



ETS Dr.GenZ Taiwan PS Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679

Accredited Testing Laboratory



A2LA Cert.No.: 2300.01

PTCRB Accredited Type Certification Test House

FCC

TEST - REPORT

FCC PART 15 for U-NII devices

FCC ID: FYLWVR100

Test report no.: W6M2602-6599-E-54

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has Passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

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Specific Conditions:

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

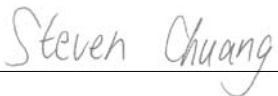
The test sample is able to work according IEEE 802.11 a,b,g.

This report is related to FCC Part 15 E (UNII device, IEEE 802.11a) only and does not cover requirements for other parts like FCC Part 15 C (e.g. for IEEE 802.11 b,g).

Tester:

10.03.2006		Orville Change	
Date	ETS-Lab.	Name	Signature

Technical responsibility for area of testing:

10.03.2006		Steven Chung	
Date	ETS	Name	Signature

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1.2 Testing laboratory

1.2.1 Location

OATS

No.5-1, Shuang Sing Village,
LiShuei Rd., Wanli Township,
Taipei County 207, Taiwan (R.O.C.)

Company

ETS Dr.Genx Taiwan PS Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.

Tel : 886-2-66068877

Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA-registration number: 2300.01

FCC filed test laboratory Reg. No. 930600

Industry Canada filed test laboratory Reg. No. IC 5679

PTCRB Accredited Type Certification Test House

1.3 Details of approval holder

Name : Sampo Corporation Digital Products R&D Center Mobile TV
R&D Division

Street : 55 Chung-Cheng Rd., Tu-Cheng City

Town : Taipei Hsien 236

Country : Taiwan

Telephone : +886-2-2267-2101

Fax : +886-2-22671782

Contact : Mr. John Chen

Telephone : +886-2-2267-2101

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1.4 Application details

Date of receipt of application : 15.02.2006

Date of receipt of test item : 15.02.2006

Date of test : from 16.02.2006 to 09.03.2006

1.5 General information of Test item

Type of test item : Wireless Multimedia System

Model Number : WVR 100A TX

Serial number : IPE-101(U)

Photos : see Annex

Technical data

Frequency band :

Band (GHz)	Operating Channel numbers	Channel center Frequency (MHz)	Supported by Test item
U-NII lower band (5.15 – 5.25)	36	5180	☒ Yes / ☐ No
	40	5200	
	44	5220	
	48	5240	
U-NII middle band (5.25 – 5.35)	52	5260	☐ Yes / ☒ No
	56	5280	
	60	5300	
	64	5320	
U-NII (new) band (5.470 – 5.725)	100	5500	☐ Yes / ☒ No
	104	5520	
	108	5540	
	112	5560	
	116	5580	
	120	5600	
	124	5620	
	128	5640	
	132	5660	
	136	5680	
	140	5700	
U-NII upper band (5.725 – 5.825)	149	5745	☒ Yes / ☐ No
	153	5765	
	157	5785	
	161	5805	
U-NII lower and middle band (5.15 – 5.35)	42	5210	☐ Yes / ☒ No
	50	5250	
	58	5290	



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Operating modes : duplex
Type of modulation : DSSS/ OFDM

Date rate (Mbits / s)	Modulation	Supported by Test item
6	BPSK	☒ Yes / ☐ No
18	QPSK	☒ Yes / ☐ No
36	16-QAM	☒ Yes / ☐ No
54	64-QAM	☒ Yes / ☐ No

Fixed point to point operation : Yes / No

Antenna : PIFA Antenna

Antenna gain : 3.26 dBi

Power supply Input : 120 VAC (ac/dc adaptor)

Output : 12 VDC

Emission designator : 25M5W7D

Host device: none

Classification :

Fixed Device	☒
Mobile Device (Human Body distance > 20cm)	☐
Portable Device (Human Body distance < 20cm)	☐

Manufacturer:
(if applicable)

Name : ./.
Street : ./.
Town : ./.
Country : ./.

1.6 Test standards

Technical standard : FCC RULES PART 15 E

Additional information:

For this report the function according IEEE 802.11a is considered only. The scheme for frequency generation, spectrum spreading, receiver parameters, synchronization procedure, and other parameters are determined by the mentioned standard above.



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2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



or

The deviations as specified in 2.5 were ascertained in the course of the tests performed.



2.2 Test environment

Temperature : 23 °C

Relative humidity content : 20 ... 75 %

Air pressure : 86 ... 103 kPa

Details of power supply : 120 VAC (ac/dc adaptor)

: 12 VDC

Extreme conditions parameters : test voltage / temp extreme min : 102VAC / -10°C
max : 138VAC / 40°C

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2.3 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2005/10/27	2006/10/26
ETSTW-CE 002	PREREULATOR MODE DC POWER SUPPLY	None	None			
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW		
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2005/10/25	2006/10/24
ETSTW-CE 005	Line-Impedance Stabilisation Network	NNBM 8126D	137	Schwarzbeck	2005/10/21	2006/10/20
ETSTW-CE 006	IMPULS-BEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2004/11/11	2006/11/10
ETSTW-CE 007	SPECTRUM ANALYZER 5GHz	FSB	849670/001	R&S		
ETSTW-CE 008	ABSORBING CLAMP	MDS 21	3469	ABSORPTIONS-MESSWANDLER-ZANGE	2005/10/24	2006/10/23
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2005/8/18	2006/8/17
ETSTW-CE 010	Comb Generator-conducted	None	None	ETS		
ETSTW-CE 011	Power Line Conducted Emission Only	None	None	ETS		
ETSTW-CE 012	Dual-Phase-V-Network	NNB-2/16Z	03/10201	Telemeter	2005/4/12	2006/4/11
ETSTW-CS 001	SIGNAL GENERATOR	SMX	849254/003	R&S	2005/10/14	2006/10/13
ETSTW-CS 002	COUPLING AND DECOUPLING NETWORK	CDN S751	19263	SCHAFFNER	2005/10/14	2006/10/13
ETSTW-CS 003	COUPLING AND DECOUPLING NETWORK	CDN T400	19820	SCHAFFNER	2005/10/14	2006/10/13
ETSTW-CS 004	COUPLING AND DECOUPLING NETWORK	CDN M016	20053	SCHAFFNER	2005/10/27	2006/10/26
ETSTW-CS 005	RF Power Amplifier	100A250A	306547	AR	2005/10/14	2006/10/13
ETSTW-CS 004	Terminal 50Ω Load	50T-116 M	None	JFW		
ETSTW-CS 004	Terminal 50Ω Load	50T-116 F	None	JFW		
ETSTW-CS 004	6 dB Attenuator	HFP-5100-3/06 N M/F	2010876106			
ETSTW-RE 001	Controller	CD 1000	C01000/154/867 /004/L	Heinrich Deisel		
ETSTW-RE 002	Function Generator	33220A	MY43004982	Agilent	2005/10/14	2006/10/13
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2005/10/24	2006/10/23
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2005/10/29	2006/10/30
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2005/10/16	2006/10/15
ETSTW-RE 008	Controller	HD100	C0100-L/047/6670703/L	Heinrich Deisel		
ETSTW-RE 009	Controller	HD100	100/341	Heinrich Deisel		
ETSTW-RE 010	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070181	MOTECH		

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ETSTW-RE 011	PROGRAMMABLE LINEAR POWER SUPPLY	LPS-305	30503070165	MOTECH		
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L		
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0036	397	K&L		
ETSTW-RE 014	DUAL TRACKING WITH 5V FIXED	GPC-3030D	None	GW		
ETSTW-RE 015	ANTENNA	HK116	841489/003	R&S		
ETSTW-RE 016	ANTENNA	HL223	848953/006	R&S		
ETSTW-RE 017	ANTENNA	HL025	352886/001	R&S		
ETSTW-RE 018	ANTENNA	AT4560	27212	AR	2004/11/8	2006/11/7
ETSTW-RE 019	ANTENNA , HORN	22240-25	121074	FM		
ETSTW-RE 020	MICROWAVE HORN ANTENNA	AT4002A	306915	AR		
ETSTW-RE 021	SWEEP GENERATOR	SWM05	835130/010	R&S	2005/10/14	2006/10/13
ETSTW-RE 022	AMPLIFIER	8447D	2944A09837	Brüel&Kjær	2005/10/14	2006/10/13
ETSTW-RE 023	Shielded room	SR 1	None	Frankonia		
ETSTW-RE 024	Anechoic Chamber	CHC 1	None	Frankonia		
ETSTW-RE 025	Anechoic Chamber	CHC 2	None	Frankonia		
ETSTW-RE 026	Open Area Test Site	10m	None	ETS		
ETSTW-RE 027	Passive Loop Antenna	6512	34563	EMCO	2004/6/30	2006/6/29
ETSTW-RE 028	Log-Periodic DipoleArray Antenna	3148	34429	EMCO	2004/6/15	2006/6/14
ETSTW-RE 029	Biconical Antenna	3109	33524	EMCO	2004/6/17	2006/6/16
ETSTW-RE 030	Double-Ridged Waveguide Horn Antenna	3117	35224	EMCO	2004/5/5	2006/5/4
ETSTW-RE 031	Comb Generator-radiated	None	None	ETS		
ETSTW-RE 032	Millivoltmeter	URV 55	849086/013	R&S	2005/10/17	2006/10/16
ETSTW-RE 033	4CH 1GHz 5GS/s DSO	WAVERUNNER 6100A	LCRY0604P14508	LeCory		
ETSTW-RE 034	Power Sensor	URV5-Z4	839313/006	R&S	2005/10/17	2006/10/16
ETSTW-RE 035	1.5GHz Active Voltage Probe	HFP1500	2332	LeCory		
ETSTW-RE 036	100MHz High Voltage Diff Probe	ADP305	3305	LeCory		
ETSTW-RE 037	Log-Periodic DipoleArray Antenna	3148	00034546	EMCO	2004/11/18	2006/11/17
ETSTW-RE 038	Log-Periodic DipoleArray Antenna	3148	00034547	EMCO	2004/11/18	2006/11/17
ETSTW-RE 039	Biconical Antenna	3110B	41760	EMCO	2004/11/18	2006/11/17
ETSTW-RE 040	Biconical Antenna	3110B	41761	EMCO	2004/11/18	2006/11/17
ETSTW-RE 041	Anechoic Chamber	CHC 3	None	Frankonia		
ETSTW-RE 042	ANTENNA	HK116	100172	R&S	2005/1/14	2007/1/13

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ETSTW-RE 043	ANTENNA	HL223	100166	R&S	2004/4/16	2006/4/15
ETSTW-RE 044	ANTENNA	HL050	100094	R&S		
ETSTW-RE 048	Triple Loop Antenna	HXYZ 9170	HXYZ 9170-134	Schwarzbeck	2005/3/22	2007/3/21
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2005/5/19	2007/5/18
ETSTW-RE 004	Attenuator 10dB	50HF-010	None	JFW		
ETSTW-RE 004	Attenuator 6dB	50HF-006	None	JFW		
ETSTW-RE 004	Attenuator 3dB	50HF-003	None	JFW		
ETSTW-RE 004	Attenuator 3dB	50HF-003	None	JFW		
ETSTW-RE 004	Attenuator 3dB	50HF-003	None	JFW		
ETSTW-RE 055	SPECTRUM ANALYZER	FSU-26	200074	R&S	2005/9/6	2006/9/5
ETSTW-RE 056	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-RE 057	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-RE 058	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-RE 059	Matching Pad (75Ω -> 50Ω)	57Z-3G	None			
ETSTW-EMI 001	HARMONICS 1000	HAR1000-1P	93	EMC-PARTNER	2005/9/11	2006/11/10
ETSTW-EMS 001	Clamp BASELSTRASSE 160 CH-4242 LAUFEN	CN-EFT1000	354	EMC-PARTNER	2004/11/2	2006/11/1
ETSTW-EMS 002	Frequency Converter	YF-6020	0308014			
ETSTW-EMS 003	EMC Immunity Test System	TRA2000IN6	579	EMC-PARTNER	2005/10/27	2006/10/26
ETSTW-EMS 004	ESD generator minizap	ESD2000	016	EMC-PARTNER	2005/10/27	2006/10/26
ETSTW-EMS 003	Attenautor (50Ω)	VERI50	051	EMC-PARTNER	2004/8/31	2006/8/30
ETSTW-EMS 003	Attenautor (1 KΩ)	VERI1K	019	EMC-PARTNER	2004/10/21	2006/10/20
ETSTW-EMS 003	20GΩ Divider	ESD-VERI-V	021	EMC-PARTNER	2004/3/17	2006/3/16
ETSTW-EMS 008	Safety Test Solutions	ELT-400	E-0039	Narda	2005/1/4	2007/1/3
ETSTW-EMS 009	Magnetic Field Antenna	MF1000-1	104	EMC-PARTNER	2004/12/3	2006/12/2
ETSTW-EMS 010	Coupling De-coupling Network	CDN-UTP8	014	EMC-PARTNER	2005/9/1	2006/8/31
ETSTW-EMS 011	Calibration Fixture	F-2031-CF-23MM	451	FCC	2005/8/11	2006/8/11
ETSTW-EMS 012	EM Injection Clamp	F-2031-23MM	476	FCC	2005/8/11	2006/8/11
ETSTW-RS 001	14" COLOR VIDEO MONITOR	TP-1480HR	P009799	TOPICA		
ETSTW-RS 002	14" COLOR VIDEO MONITOR	TP-1480HR	P009814	TOPICA		
ETSTW-RS 003	RF Power Amplifier	30S1G3	306933	AR		
ETSTW-RS 004	RF Power Amplifier	150W1000	307009	AR	2005/10/21	2006/10/20
ETSTW-RS 005	Electric Field Probe Type 8.3	2244/90.21	AF-0016	Narda	2005/9/7	2006/9/6

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ETSTW-RS 006	SIGNAL GENERATOR	SML03	101551	R&S	2005/10/21	2006/10/20
ETSTW-GSM 01	SIM Simulator	IT3	B2004-50106	ORGA	2005/9/15	2006/9/14
ETSTW-GSM 02	Universal Radio Communication Tester	CMU 200	103489	R&S	2005/11/15	2006/11/14
ETSTW-GSM 03	Agilent 8960 Test Set 1	E5515C	GB44052675	Agilent	2004/7/14	2006/7/13
ETSTW-GSM 04	Agilent 8960 Test Set 2	E5515C	GB44052665	Agilent	2004/7/14	2006/7/13
ETSTW-GSM 05	Agilent 8960 Test Set 3	E5515C	GB44052652	Agilent	2004/7/17	2006/7/16
ETSTW-GSM 06	Agilent 8960 Test Set 4	E5515C	GB44052684	Agilent	2004/7/16	2006/7/15
ETSTW-GSM 07	Agilent 8960 Test Set 5	E5515C	GB44052658	Agilent	2004/7/14	2006/7/13
ETSTW-GSM 08	Agilent 8960 Test Set 6	E5515C	GB44052666	Agilent	2004/7/16	2006/7/15
ETSTW-GSM 09	Controller PC	Dell GX 270	700F61J	Dell		
ETSTW-GSM 10	Combiner Wessex / Anite	B4605/100	053	Wessex / Anite	2004/7/14	2006/7/13
ETSTW-GSM 11	GSM 850,900,1800,1900 Test system	TS8950G		R&S	2005/11/1	2006/10/31
ETSTW-GSM 12	Acoustical Calibrator	4231	2463874	Brüel&Kjær	2005/10/31	2006/10/30
ETSTW-GSM 13	Conditioning Amplifier	2690--0S2	2437856	Brüel&Kjær		
ETSTW-GSM 14	Telephone Test Head	4602B	2465324	Brüel&Kjær		
ETSTW-GSM 15	Mouth Simulator	4227	2462516	Brüel&Kjær		
ETSTW-GSM 16	TEMP.&HUMIDITY CHAMBER	GTH-120-40-1P-U	MAA0501002	GIANT FORCE	2005/12/29	2006/12/28
ETSTW-GSM 17	ANTENNT COPLER	CMU-Z10	100988	R&S		
ETSTW-GSM 18	AUDIO ANALYZER	UPL16	100173	R&S	2005/10/29	2006/10/28
ETSTW-GSM 19	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI		
ETSTW-GSM 20	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI		
ETSTW-GSM 21	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI		
ETSTW-GSM 22	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI		
ETSTW-GSM 23	SPLITTER	4901.19.A	None	SUHNER		
ETSTW-GSM 24	Vibration Testing System	VS-100V	5494	Vibration	2005/12/20	2006/12/19
ETSTW-GSM 25	Reference Phone	N70	357927002616186	Nokia		
ETSTW-GSM 26	Reference Phone	6230	354327002906419	Nokia		

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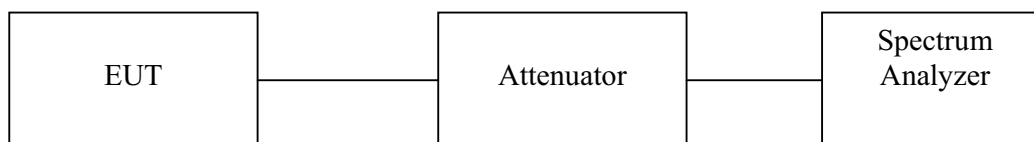
2.4 Test Procedure

The test procedures are performed following the test stands ANSI STANDARD C63.4 and Public Notice DA 02-2138 “Measurement Procedure for Peak Transmit Power in the Unlicensed National Information Infrastructure (U-NII) Bands”.

2.4.1 Emission Bandwidth, FCC 15.407 (a)

The Emission Bandwidth “B” is the bandwidth at 26dB down relative to the maximum level of the modulated carrier. The result “B” is used for determining of Peak Power Transmit limits. The measurement is performed according FCC Public Notice DA 02-2138.

The test are performed at frequency (low and high channels of EUT operating band), full rated power levels and all applicable data rates of the transmitter.



2.4.2 Peak Transmit Power, FCC 15.407 (a) (1,2,3,4)

Peak Transmit Power is the maximum transmit power as measured over an interval of time of at most 30/B or the transmission pulse duration of the device, whichever is less, under all conditions of modulation.

The applied FCC Public Notice DA 02-2138 describes three different methods to measure Peak Transmit Power.

If transmitting antenna of directional gain AG greater than 6 dBi are used, the Peak Transmit Power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Fixed point-to-point U-NII devices operating in the band 5.725 – 5.825 GHz may employ transmitting antennas with directional gain AG up to 23 dBi without any corresponding reduction.

For antenna gains greater than 23 dBi, a 1 dB reduction in Peak Transmit Power for each 1 dB of antenna gain in excess of 23 dBi would be required.

2.4.3 Peak Power Spectral Density, FCC 15.407 (a) (1,2,3,4,5)

The Peak Power Spectral Density is the maximum power spectral density, measured with a specified bandwidth, within the U-NII device operating band.

FCC Public Notice DA 02-2138 specifies two different methods for this conducted measuring at the antenna port. If the device can not be connected directly, alternative techniques can be used.

If transmitting antennas of directional gain greater than 6 dBi are used, the Peak 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 U-NII devices operating in the band 5.725 – 5.825 GHz may employ transmitting antennas with directional gain up to 23 dBi without any corresponding reduction. For antenna gains greater than 23 dBi, a 1 dB reduction in Peak Transmit Power for each 1 dB of antenna gain in excess of 23 dBi would be required.

2.4.4 Ratio of the Peak Excursion of the modulation envelope, FCC 15.407 (a)(6)

The Ratio of the Peak Excursion of the modulation envelope to the Peak Transmit Power shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

The used measured method is described in FCC Public Notice DA 02-2138.

2.4.5 Peak Emission outside the frequency bands of operation, FCC 15.205, 15.209, 15.407 (b)

Peak Emission outside the frequency band of operation are called Spurious Emission in this test report. Here the spurious emissions are measured as field strength values. The given power value limits of -27 dBm and -17 dBm are calculated to field strength values of 68.23 dB μ V/m and 78.23 dB μ V/m for 3 m measuring distance. This procedure can simplify the necessary comparison with field strength based limits for the restricted band according 15.205; 15.209.

For frequencies above 26 GHz a measuring distance of 1 m is used with values corrected accordingly.

The test procedure used is ANSI STANDARD C63.4-2003 using a spectrum analyzer. The bandwidth of the spectrum analyzer is 100 kHz for the frequency range of 30 MHz to 1 GHz and 1 dB above a microvolt at the output of the antenna.

The Field Strength is established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB μ V) to the antenna correction factors supplied by the antenna manufacturer.

The antenna correction factors are stated in terms of dB.

Example :

Freq (MHz)	METER READING + ACF + CABLELOSS (to the receiver) = FS
33	20 dB μ V + 10.36 dB + 6 dB = 36.36 dB μ V/m @3m

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The test sample is Placed on a table 80 cm high and with dimension of 1 m by 1.5 m (non metallic table). The test sample is placed in the center of the table. The table used for radiated measurements is capable of continuous rotation. The spectrum is scanned from 30 MHz to 10th harmonic of the fundamental or 40 GHz, whichever is over.

Peak reading is taken in three (3) orthogonal planes and highest reading.

When an emission is found, the table is rotated to produce the maximum signal strength. At this point, the antenna is raised and lowered from 1m to 4m. the antenna is placed in both the horizontal and vertical planes.

2.4.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. Applications shall include in their application for equipment authorization a description of how this requirement is met.

2.4.7 Reserved, FCC 15.407 (d)

2.4.8 Indoor Operation, Restriction, FCC 15.407 (e)

U-NII device that operates in the band 5.15 – 5.25 GHz band will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations.

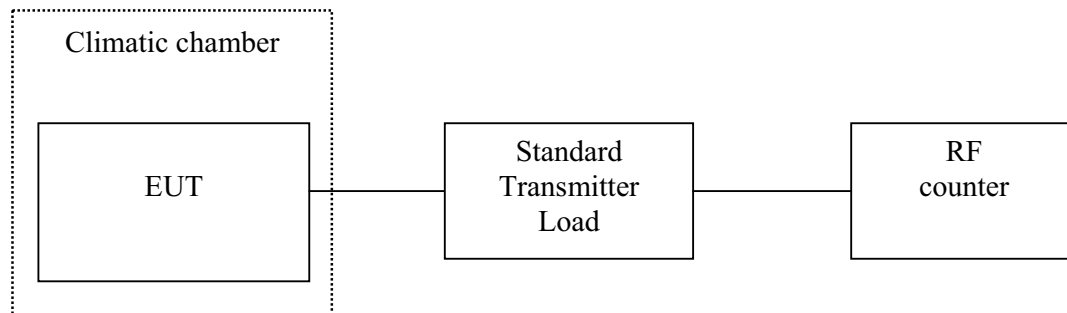
2.4.9 Radio Frequency Radiation Exposure, FCC 15.407 (f)

U-NII device are subject to the radio frequency exposure requirements specified in FCC Part 1.1307(b), Part 2.1091 and Part 2.1093, as appropriate. All equipment shall be considered to operate in a “general population/uncontrolled” environment.

Applicants shall include in their application of how this requirement is met.

2.4.10 Frequency Stability, FCC 15.407 (g)

Frequency Stability of a U-NII device means that an intended emission is maintained within the band of operation under all conditions of operation as specified in the user manual.



A plot of the emission at the band edge, with the transmitting frequency tuned to band edge channel, may be required for devices which do not utilize a standard carrier that may be measured.

2.4.11 Spurious Emission related to AC power line, FCC 15.107, 15.207

The power line conducted interference measurement follows ANSI STANDARD C63.4- using a 50 μ H LISN. The bandwidth of the measurement receiver is 10 kHz. Both lines are observed in the frequency range 150 kHz to 30 MHz.

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3 Test results (enclosure)

TEST CASE	Para. Number	Required	Customer Declaration	Test passed	Test failed
Emission Bandwidth	15.407(a)	☒	☐	☒	☐
Peak Transmit Power	15.407(a)(1,2,3,4)	☒	☐	☒	☐
Peak Power Spectral Density	15.407(a)(1,2,4,5)	☒	☐	☒	☐
Ratio of Peak Excursion of the modulation envelope	15.407(a)(6)	☒	☐	☒	☐
Band edge	15.407(b) (1,2,3,4)	☒	☐	☒	☐
Peak Emission outside the frequency band of operation	15.205,15.209,15.407(b)	☒	☐	☒	☐
Automatic Discontinuation of transmission	15.407(c)	☒	☒	☐	☐
Indoor Operation Restriction	15.407(e)	☒	☒	☐	☐
Radio Frequency Exposure	15.407(f)	☒	☒	☐	☐
Frequency Stability	15.407(g)	☒	☐	☒	☐
Radiated Emission from Digital Part And Receiver L.O.	15.109	☒	☐	☒	☐
Spurious Emission related to AC power line	15.107, 15.207	☒	☐	☒	☐

The follows is intended to leave blank.

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3.1 Emission Bandwidth. FCC 15.407 (a)

	Emission Bandwidth (MHz)					
Data rate	Channel					
Mbit/s	36	40	48	149	153	161
6	25.016025641	24.735576923	25.520833333	24.679487179	24.903846154	24.847756410
18	24.623397436	24.455128205	25.072115385	24.230769231	24.847756410	24.679487179
36	23.782051282	23.894230769	24.174679487	23.613782051	23.501602564	24.006410256
54	23.894230769	24.006410256	23.277243590	23.838141026	24.174679487	23.613782051

Test equipment used: ETSTW-RE004

Comments: See attached diagrams for examples.

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3.2 Peak Transmit Power, FCC 15.407 (a) (1,2,3,4)

This measurement is performed according Method 3 of Public Notice DA 02-2138 for Peak Transmit Power measurement.

	Peak Transmit Power (dBm)					
Data rate	Channel					
Mbit/s	36	40	48	149	153	161
6	12.75	13.02	12.79	10.38	12.04	11.95
18	12.29	12.48	12.06	9.95	11.80	10.72
36	11.24	11.87	11.32	8.40	8.20	10.33
54	9.02	9.15	8.59	6.56	6.46	8.58

Limits for Peak Transmit Power			
Frequency f (GHz)	dBm	dBm	Remarks
	Fix value	B related value	For B = 20 MHz
5.15 – 5.25	17	17	4 dBm + 10log B
5.25 – 5.35	24	24	11 dBm + 10log B
5.725 – 5.825	30	30	17 dBm + 10log B
5.15 – 5.35	17 - (AG – 6 dB)	17 - (AG – 6 dB)	For AG > 6 dBi
5.25 – 5.35	24 - (AG – 6 dB)	24 - (AG – 6 dB)	For AG > 6 dBi
5.725 – 5.825	30 - (AG – 23 dB)	30 - (AG – 23 dB)	For AG > 23 dBi
			AG – antenna gain

Test equipment used: ETSTW-RE004

Comments: See attached diagrams for examples.

Registration number: W6M20602-6599-E-54

FCC ID: FYLWVR100

3.3 Peak Power Spectral Density, FCC 15.407 (a) (1,2,4,5)

This measurement is performed according Method 2 of Public Notice DA 02-2138 for Peak Power Spectral Density measurement.

	Peak Power Spectral Density (dBm)					
Data rate	Channel					
Mbit/s	36	40	48	149	153	161
6	-4.65	-4.84	-3.72	-3.29	-3.94	-4.61
18	-11.83	-11.89	-12.21	-10.57	-10.71	-12.55
36	-21.38	-19.42	-21.46	-20.24	-22.03	-19.79
54	-23.29	-24.19	-25.18	-25.07	-24.84	-27.27

Limits Power Spectral Density		
Frequency f (GHz)	dBm/MHz	Remarks
5.15 – 5.25	4	Conducted
5.25 – 5.35	11	Conducted
5.725 – 5.825	17	Conducted
5.15 – 5.35	4 - (AG – 6 dB)	For AG > 6 dBi
5.25 – 5.35	11 - (AG – 6 dB)	For AG > 6 dBi
5.725 – 5.825	17 - (AG – 23 dB)	For AG > 23 dBi
		AG – antenna gain

Test equipment used: ETSTW-RE004

Comments: See attached diagrams for examples.

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3.4 Ratio of the Peak Excursion of the modulation envelope, FCC 15.407 (a)(6)

	Ratio of the Peak Excursion of the modulation envelope (dBm)					
Data rate	Channel					
Mbit/s	36	40	48	149	153	161
6	8.64	8.72	9.74	9.39	8.30	10.25
18	10.75	11.12	11.04	12.30	11.06	11.05
36	10.27	10.25	10.39	12.96	10.71	11.50
54	12.06	11.94	11.89	10.20	11.73	10.60

Limit		
	dB	Remarks
Ratio of Peak Excursion	13	Across any 1 MHz BW or the emission bandwidth

Test equipment used: ETSTW-RE004

Comments: See attached diagrams for examples.

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3.5 Peak Emission outside the frequency bands of operation, FCC 15.205, 15.209, 15.407 (b)

Summary table with radiated data of the test plots

Ch 36

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	170.020040	7.97	14.97	PK	36.19	43.52	7.33	188
	249.699399	27.88	13.79	PK	41.67	46	4.33	128
	1997.995992	43.43	-3.39	PK	40.04	67.09	27.05	256
	5435.711423	30.04	14.91	PK	44.95	54.0	9.05	113
	15547.094188	36.03	15.69	PK	51.72	54.0	2.28	66

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	22.65	13.72	PK	36.37	43.52	7.15	211
	249.88114469	31.92	13.79	PK	45.71	46	0.29	121
	249.88114469	29.33	13.79	QP	43.12	46	2.88	121
	3452.905812	42.9	0.42	PK	43.32	67.09	23.77	105
	5120.040080	39.37	4.01	PK	43.38	54.0	10.62	132
	5435.711423	32.37	4.01	PK	43.38	54.0	6.8	99
	15535.070140	33.93	15.69	PK	49.62	54.0	4.38	89

Ch 40

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	98.476954	25.0	11.42	PK	36.42	67.09	30.67	118
	249.699399	27.69	13.79	PK	41.48	46	4.52	133
	1997.995922	42.54	-3.39	PK	39.15	67.09	27.94	277
	5435.711423	31.37	14.91	PK	46.28	54.0	7.72	98
	15655.310621	35.52	15.69	PK	51.21	54.0	2.79	62

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	20.48	13.72	PK	34.20	43.52	9.32	191
	249.98194389	31.53	13.79	PK	45.32	46	0.68	132
	249.98194389	29.09	13.79	QP	42.88	46	3.12	132
	3482.965932	42.71	0.49	PK	43.20	67.09	20.89	188
	5120.040080	38.52	4.01	PK	42.53	54.0	11.47	92
	5435.711423	33.81	14.91	PK	48.72	54.0	5.28	73

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Ch 48

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	169.679359	21.85	14.97	PK	36.83	43.52	6.69	148
	249.699399	27.98	13.97	PK	41.77	46	4.23	137
	1997.995992	42.84	-3.39	PK	39.45	67.09	27.64	268
	5435.711423	31.11	14.91	PK	46.02	54.0	7.98	83
	15667.334669	35.84	15.69	PK	51.53	54.0	2.47	77

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	22.08	13.72	PK	35.80	43.52	7.72	198
	249.99198397	32.08	13.79	PK	45.87	46	0.13	138
	249.99198397	28.90	13.79	QP	42.69	46	3.31	138
	3482.965932	42.24	0.94	PK	43.18	67.09	23.91	112
	5120.040080	38.52	4.01	PK	42.53	54.0	11.47	76
	5435.711423	33.55	14.91	PK	48.46	54.0	5.54	83

Ch 149

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	81.783567	25.03	9.95	PK	34.98	67.09	32.11	135
	499.799599	21.47	19.81	PK	41.28	67.09	25.81	308
	749.899800	16.98	24.68	PK	41.66	67.09	25.43	88
	3831.663327	48.68	2.19	PK	50.87	54	3.13	271
	5716.553106	44.67	4.64	PK	49.31	67.09	17.78	309

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	21.61	13.72	PK	35.33	43.52	8.19	221
	499.799599	22.69	19.81	PK	42.50	67.09	24.59	333
	746.693387	20.28	24.68	PK	44.96	67.09	22.13	74
	3831.663327	46.78	2.19	PK	48.97	54	5.03	243
	5720.0	48.61	4.64	PK	53.25	67.09	13.84	318

Ch 153

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	78.036072	26.5	9.94	PK	36.44	67.09	30.65	126
	499.799599	21.53	19.81	PK	41.34	67.09	25.75	309
	749.899800	17.30	24.68	PK	41.98	67.09	25.11	83
	3843.687375	44.02	2.20	PK	46.22	54	7.78	241
	5440.801603	39.71	4.41	PK	44.12	54	9.88	321

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	22.23	13.72	PK	35.95	43.52	7.57	215
	499.799599	22.15	19.81	PK	41.96	67.09	25.13	331
	2424.849699	41.32	1.18	PK	42.50	67.09	14.59	102
	3843.687375	47.92	2.20	PK	50.12	54	3.88	256
	5440.801603	44.05	4.41	PK	48.46	54	5.54	312

Ch 161

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	79.398798	27.78	9.95	PK	37.73	67.09	29.36	112
	499.799599	21.98	19.81	PK	41.79	67.09	25.3	318
	749.899800	18.60	24.68	PK	43.28	67.09	23.81	63
	3873.747495	43.06	2.28	PK	45.35	54	8.66	257
	5825.0	44.02	5.61	PK	49.63	67.09	17.46	298

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	22.5	13.72	PK	36.22	43.52	7.3	215
	499.799599	22.89	19.81	PK	42.70	67.09	24.39	322
	749.899800	17.22	24.68	PK	41.90	67.09	25.19	98
	3873.747495	47.09	2.28	PK	49.37	54	4.63	263
	5825.0	45.43	5.61	PK	51.04	67.09	16.05	311

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Freq. – Frequency Range:

1:	30	-	200 MHz
2:	200	-	1000 MHz
3:	1	-	4 GHz
4:	4	-	8 GHz
5:	8	-	12 GHz
6:	12	-	17 GHz
7:	17	-	26.5 GHz

All not in the table noted test results are more than 20 dB below the relevant limits.

All other not noted test polts do not contain significant test results in relation to the limits.

TEST RESULT (Transmitter): The unit DOES meet the FCC requirements.

Limits			
Frequency f (GHz)	dBm/MHz	dB μ V/m	Remarks
Restricted bands below 960 MHz		acc. § 15.209	
Restricted bands above 960 MHz		54	for 5.15 – 5.25 GHz transmitters
$f < 5.15 - 5.25 < f$	-27	(68.23)	for 5.25 – 5.35 GHz Transmitters
$f < 5.25 - 5.35 < f$	-27	(68.23)	for 5.725 – 5.825 GHz transmitters
$f < 5.715 - 5.725 < f$	-27	(68.23)	for 5.725 – 5.825 GHz
$5.715 < f < 5.725$	-17	(88.23)	transmitters
$5.825 < f < 5.835$	-17	(88.23)	for 5.725 – 5.825 GHz

Comment: see attached diagrams

Test equipment used: ETSTW-RE 003, ETSTW-RE 015, ETSTW-RE 016, ETSTW-RE 017, ETSTW-RE 024

3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

This function will be declared by manufacturer.

3.7 Reserved, FCC 15.407 (d)**3.8 Indoor Operation Restriction, FCC 15.407 (e)**

This equipment has to be declared by manufacturer of the final product as content of the user manual.

3.9 Radio Frequency Radiation Exposure, FCC 15.407 (f)

Because the intended use of the test sample as a fixed device a theoretical MPE related evaluation As an example is done below, for information purposes.

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF field and applicable limits.

The prediction for power density in the far-field of the antenna can be made by the general equation below.

The equation is generally accurate in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4\pi R^2}$$

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain G = AG-D

Item	Unit	Value	Remarks
P	mW	20.04472	Peak value
D	dB		
AG	dBi	2.2	
G		3.26	Calculated Value
R	cm	20	Assumed value
S	mW/cm ²	0.008773	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm ²)
1500 – 100.000	1,0

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3.10 Frequency Stability, FCC 15.407 (g)

Voltage (%)	Voltage (V)	Temperature (°C)	Measured frequency (GHz)					
			Ch : 36	Ch : 40	Ch : 48	Ch : 149	Ch : 153	Ch : 161
100 %	120	+20 (Tnom)	5.1802093	5.2001387	5.2401513	5.7451965	5.7650965	5.8051282
115 % (1)	138	+40 (Tmax)	5.1802045	5.2001455	5.2402174	5.7452269	5.7652180	5.8052369
85 % (1)	102	+40 (Tmax)	5.1802038	5.2001441	5.2402195	5.7452248	5.7652147	5.8052162
115 % (1)	138	-10 (Tmin)	5.1802066	5.2000948	5.2401546	5.7451496	5.7651793	5.8051698
85 % (1)	102	-10 (Tmin)	5.1802053	5.2000839	5.2401542	5.7451591	5.7651975	5.8051785
Max. deviation KHz			+20.66	+14.55	+21.95	+22.69	+21.8	+23.69
%			39.88	27.98	41.89	39.50	37.81	40.81
battery endpoint	-	--						

The displayed frequency stability will ensure that emission is maintained within the band of operation.

Test equipment used: ETSTW-CE 009, ETSTW-RE004

Comment: Temperature range is determined by manufacturer

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3.11 Radiated Emissions from Receiver Section of Transceiver

FCC Rule: 15.109

Summary table with radiated data of the test plots

(RX)

Ch 36

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	84.509018	27.50	9.89	PK	37.39	40	2.61	124
	249.699399	27.14	13.79	PK	40.93	46	5.07	132
	1997.995992	39.27	-3.39	PK	35.90	54	18.1	282
	3254.509018	36.37	0.41	PK	36.78	54	17.22	92

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	21.94	13.72	PK	35.66	43.5	7.84	208
	250.01202405	31.78	13.79	PK	45.57	46	0.43	148
	250.01202405	27.67	13.79	QP	41.46	46	4.54	148
	1977.995992	38.78	-3.39	PK	35.39	54	18.61	279
	3470.941884	37.24	0.48	PK	37.72	54	16.28	83

Ch 40

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	79.739479	28.18	9.24	PK	37.42	40	2.58	134
	249.699399	28.48	13.79	PK	42.27	46	3.73	126
	1977.995992	40.11	-3.39	PK	36.72	54	17.28	263
	3470.941884	38.53	0.48	PK	39.01	54	14.99	113

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	22.10	13.72	PK	35.82	43.5	7.68	228
	250.01202405	31.53	13.79	PK	45.32	46	0.68	128
	250.01202405	28.09	13.79	QP	41.88	46	4.12	128
	1977.995992	38.25	-3.39	PK	34.86	54	19.14	285
	3470.941884	38.19	0.48	PK	38.67	54	15.33	108

Registration number: W6M20602-6599-E-54

FCC ID: FYLWVR100

Ch 48

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	79.058116	28.62	9.24	PK	37.86	40	2.14	149
	249.699399	27.43	13.79	PK	41.22	46	4.78	121
	1977.995992	40.34	-3.39	PK	36.95	54	17.05	286
	3470.941884	39.03	0.48	PK	39.51	54	14.49	98

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.05010	22.68	13.72	PK	36.40	43.5	7.1	234
	249.699399	29.53	13.79	PK	43.32	46	2.68	131
	738.677355	18.97	24.81	PK	43.78	46	2.22	131
	1977.995992	37.17	-3.39	PK	33.78	54	20.22	278

Ch 149

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	125.050100	21.68	13.72	PK	35.40	43.5	8.10	218
	499.799599	18.61	21.47	PK	40.08	46	5.92	315
	749.899800	22.85	16.98	PK	39.83	46	6.17	79
	3494.988980	37.69	0.54	PK	38.23	54	15.77	258

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	21.95	13.72	PK	35.67	43.5	7.83	221
	499.799599	18.37	21.47	PK	39.84	46	6.16	321
	749.899800	23.71	16.98	PK	40.69	46	5.31	78
	3494.988980	38.86	0.54	PK	39.40	54	14.6	261

Ch 153

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	167.975952	21.4	15.08	PK	36.48	43.5	7.02	296
	499.799599	20.45	19.81	PK	40.26	46	5.74	174
	749.899800	16.13	24.68	PK	40.81	46	5.19	196
	2124.248497	37.55	-3.28	PK	34.27	54	19.73	318
	3452.905812	37.5	0.42	PK	37.92	54	16.08	236

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	125.050100	21.54	13.72	PK	35.26	43.5	8.24	221
	499.799599	19.63	21.47	PK	41.10	46	4.9	318
	738.677355	26.05	16.98	PK	43.03	46	2.97	79
	3843.687375	38.48	2.20	PK	40.68	54	13.32	248

Ch 161

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
V	79.398798	28.04	9.95	PK	37.99	43.5	5.51	105
	499.799599	19.94	19.81	PK	39.75	46	6.25	156
	1745.490982	42.74	-5.28	PK	37.46	54	16.54	311
	3260.521042	37.28	0.28	PK	37.56	54	16.44	78

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuV)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)
H	156.733467	21.51	15.41	PK	36.92	43.5	6.58	273
	499.799599	20.8	19.81	PK	40.61	46	5.39	164
	1977.995992	37.31	-3.12	PK	34.19	54	19.81	176

Registration number: W6M20602-6599-E-54

FCC ID: FYLWVR100

Digital

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)	Antenna Height (cm)
V	123.783124	23.62	13.58	PK	37.21	43.5	6.29	178	284
	249.9819433	29.8	13.79	PK	43.59	46	2.41	132	278
	328.734128	26.54	16.08	PK	42.62	46	3.38	248	312

Antenna Polarization	Frequency Marker (MHz)	Corrected Reading (dBuv)	Correction Factor (dB)	Detector	Test Result (dBuV/m)	Compliance Limit (dBuV/m)	Margin (dB)	Table Azimuth (degree)	Antenna Height (cm)
H	162.183427	25.32	15.51	PK	40.83	43.5	2.67	312	268
	329.732481	27.78	16.09	QP	43.87	46	2.13	232	284
	573.312481	21.67	21.51	PK	43.18	46	2.82	133	312

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (microvolts/meter)	Field Strength (dBmicrovolts/meter)
30 – 88	100	40.0
88 – 216	150	43.5
216 – 960	200	46.0
Above 960	500	54.0

Test equipment used: ETSTW-RE 015, ETSTW-RE 016, ETSTW-RE 017, ETSTW-CS 001, ETSTW-RE 026, ETSTW-RE 003, ETSTW-RE 025

Comment: see attached diagram

Registration number: W6M20602-6599-E-54

FCC ID: FYLWVR100

3.12 Spurious Emissions related to AC power line, FCC 15.107, 15.207

Conducted :

Frequency	Level	
	quasi-peak	average
150 kHz	lower limit line	lower limit line

LISN Type	Frequency Marker (MHz)	Corrected Reading (dB μ V)	Correction Factor (dB)	Detector	Test Result (dB μ V)	Compliance Limit (dB μ V)	Margin
N	0.17	44.3	10.1	QP	54.4	65.0	10.6
	0.17	22.2	10.1	AV	32.3	55.0	22.7
	3.43	24.2	10.1	QP	34.3	56.0	21.7
	3.43	14.3	10.1	AV	24.4	46.0	21.6
	9.87	18.1	10.1	QP	28.2	60.0	31.8
	9.87	8.1	10.1	AV	18.2	50.0	31.8

LISN Type	Frequency Marker (MHz)	Corrected Reading (dB μ V)	Correction Factor (dB)	Detector	Test Result (dB μ V)	Compliance Limit (dB μ V)	Margin
L1	0.17	44.9	10.1	QP	55.0	65.0	10.0
	0.17	23.0	10.1	AV	33.1	55.0	21.9
	3.42	21.7	10.1	QP	31.8	56.0	24.2
	3.42	8.2	10.1	AV	18.3	46.0	27.7
	9.87	19.8	10.1	QP	29.9	60.0	30.1
	9.87	9.5	10.1	AV	19.6	50.0	30.4

Limits:

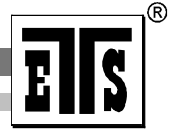
Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	quasi-peak	average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Test equipment used: ETSTW-CE 004, ETSTW-CE 001, ETSTW-RE 023

Comment: see attached diagram

Appendix

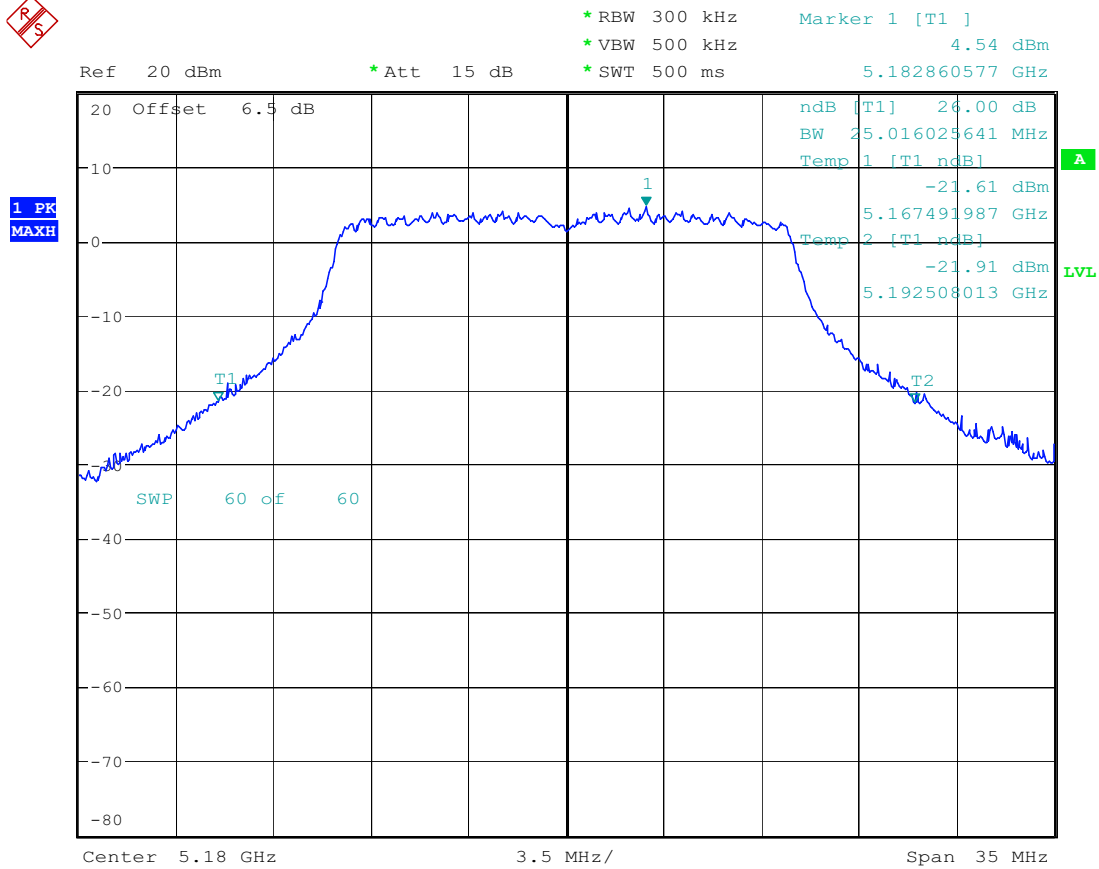
- A Emission Bandwidth
- B Peak Transmit Power
- C Peak Power Spectral Density
- D Ratio of Peak Excursion of the modulation envelope
- E Band edge
- F Peak Emission outside the frequency band of operation
- G Frequency Stability
- H Radiated Emissions from Receiver Section of Transceiver
- I Spurious Emission related to AC power line
- J Pictures



Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

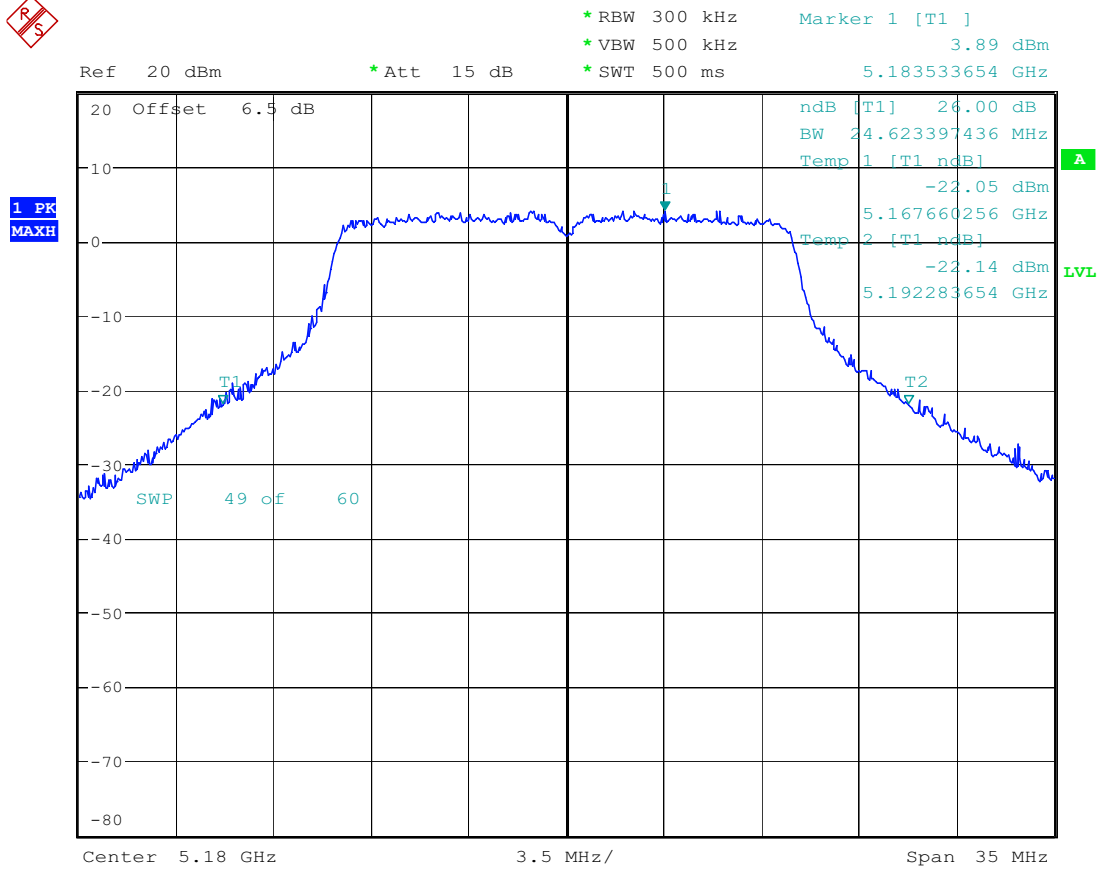
Appendix A

Emission Bandwidth



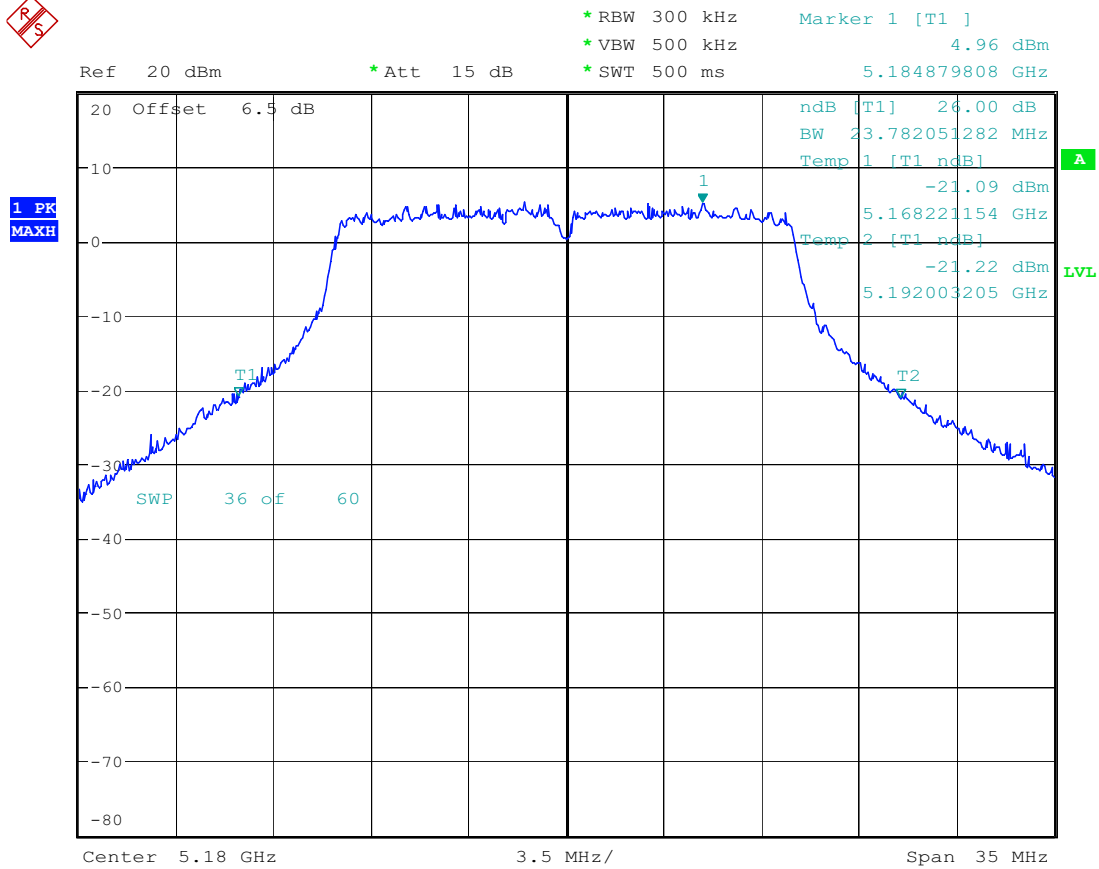
11A CH36 EMISSION BANDWIDTH 6Mbps

Date: 18.FEB.2006 10:24:25



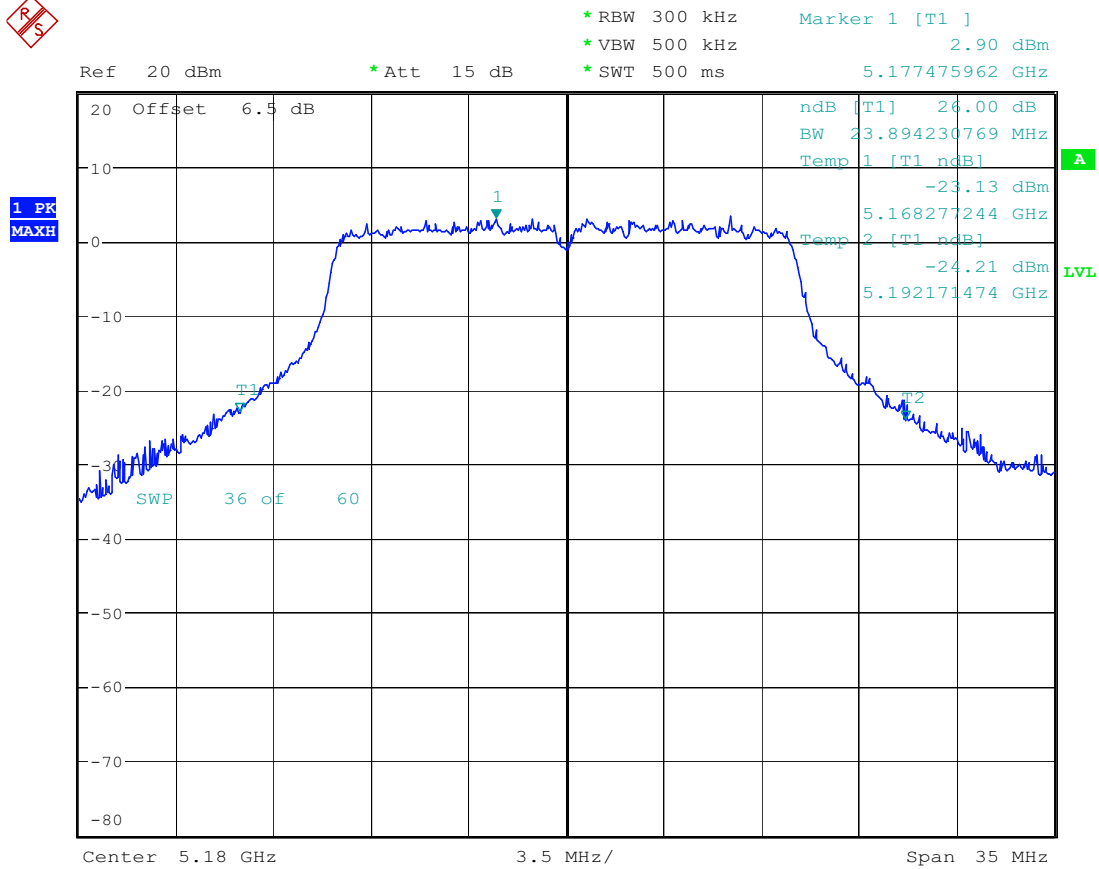
11A CH36 EMISSION BANDWIDTH 18Mbps

Date: 18.FEB.2006 10:25:35



11A CH36 EMISSION BANDWIDTH 36Mbps

Date: 18.FEB.2006 10:27:33

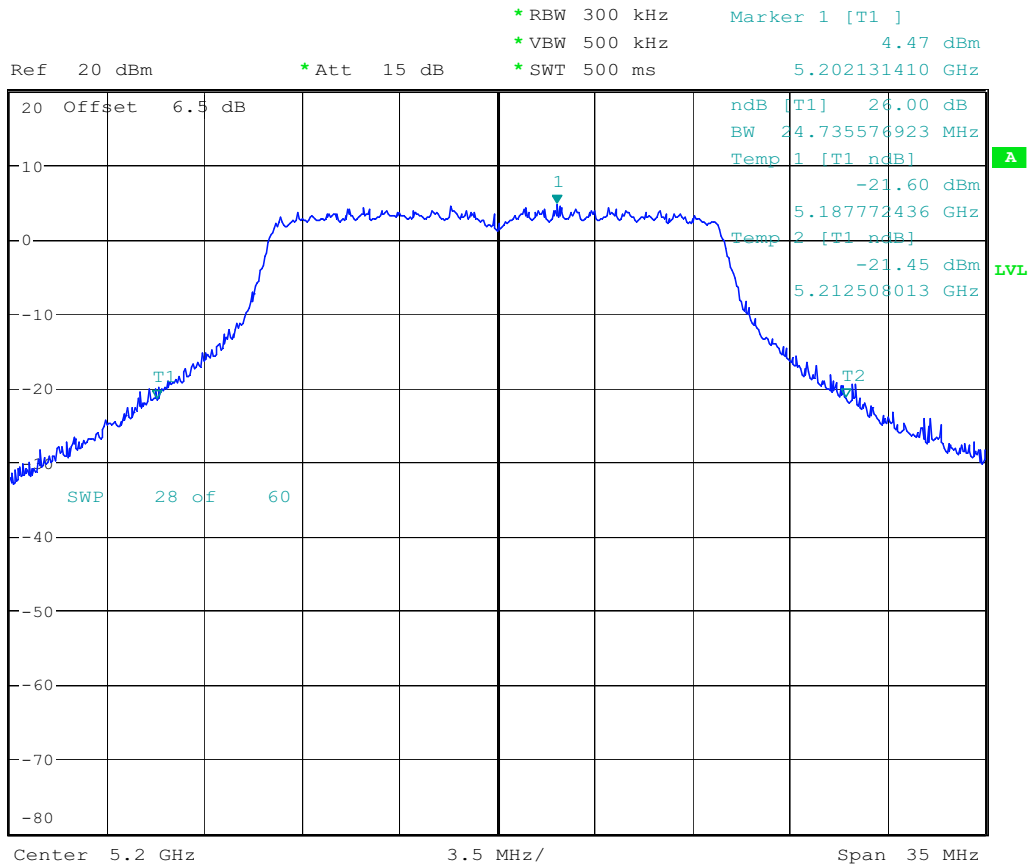


11A CH36 EMISSION BANDWIDTH 54Mbps

Date: 18.FEB.2006 10:39:35

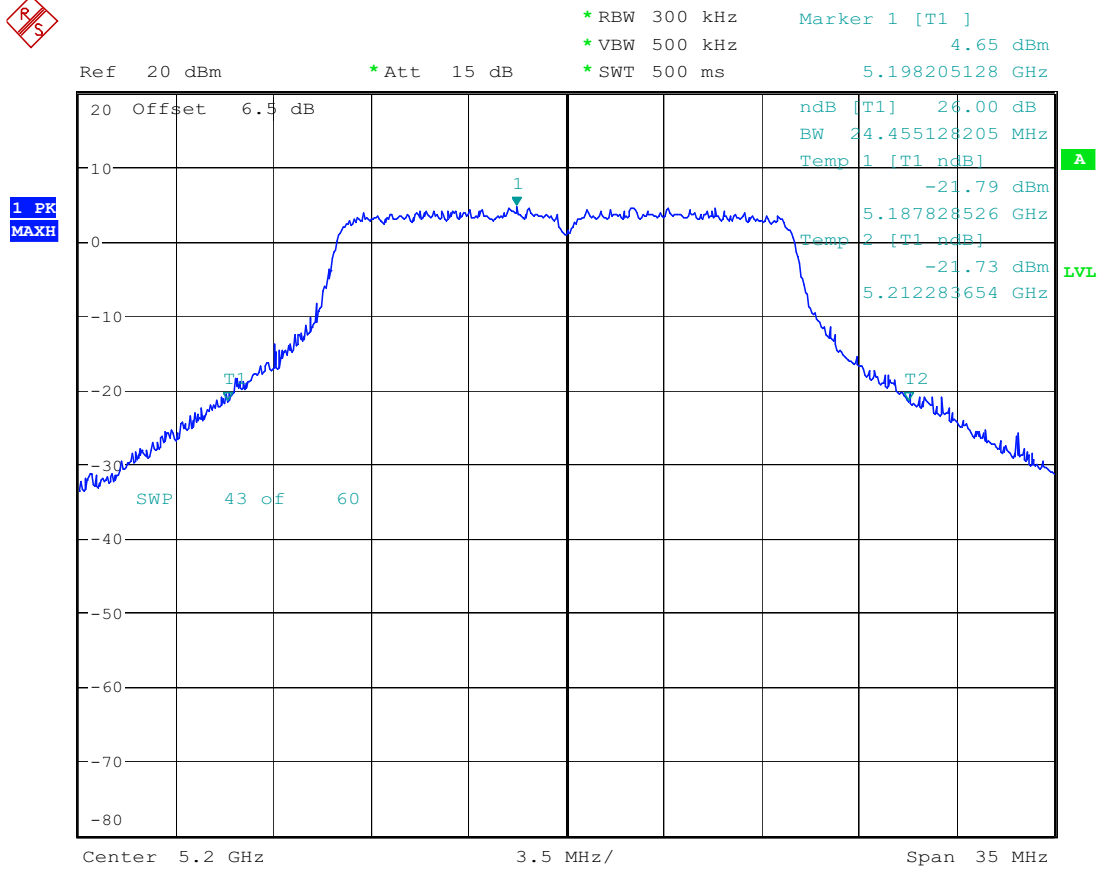


1 PK
MAXH



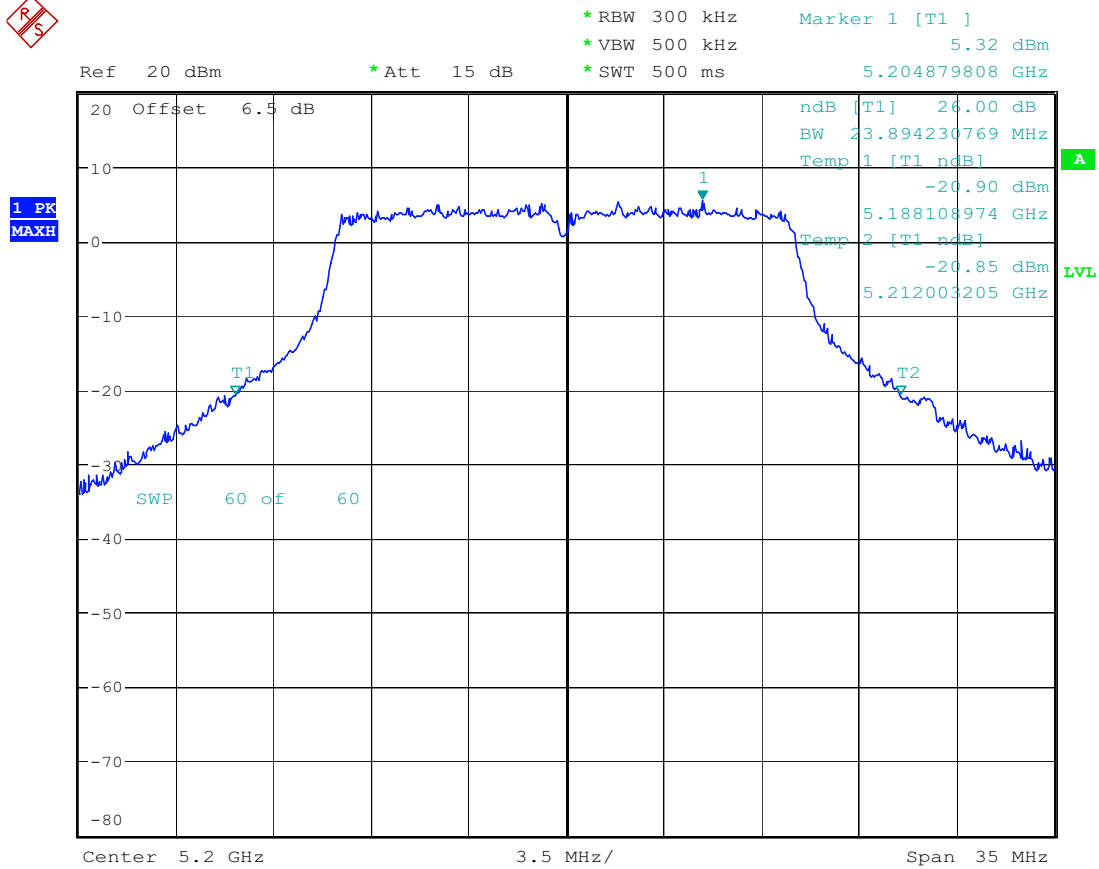
11A CH40 EMISSION BANDWIDTH 6Mbps

Date: 18.FEB.2006 11:05:25



11A CH40 EMISSION BANDWIDTH 18Mbps

Date: 18.FEB.2006 11:04:21

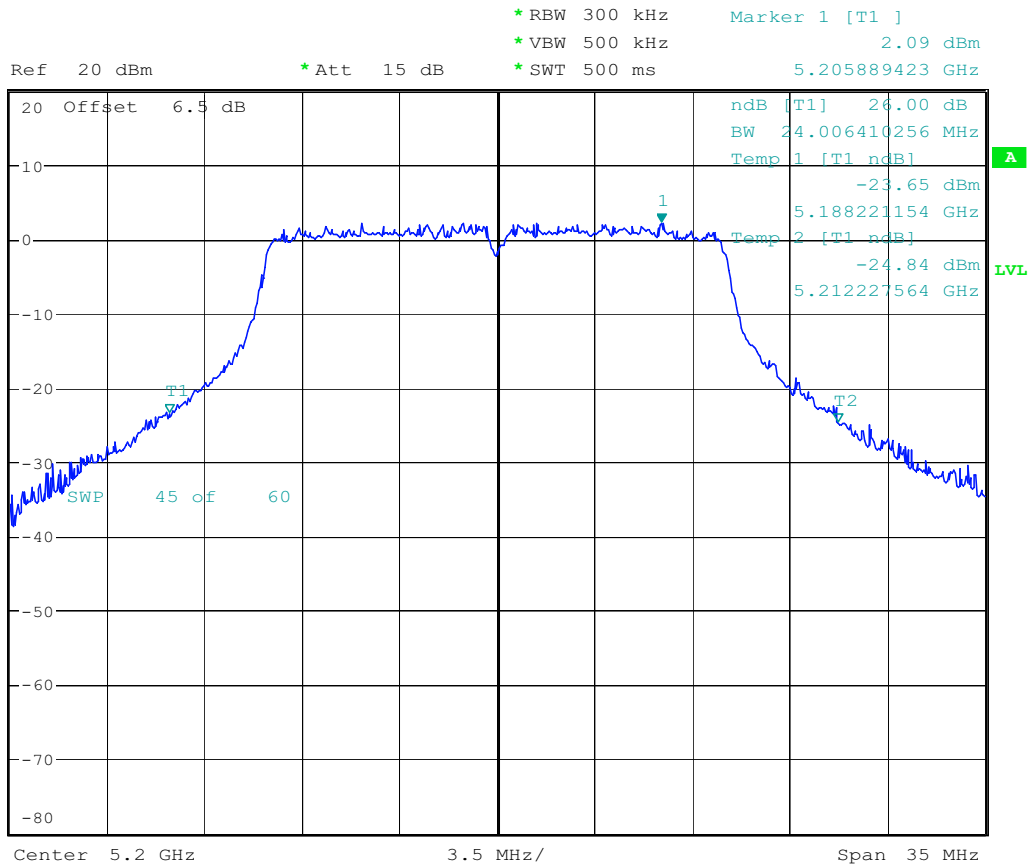


11A CH40 EMISSION BANDWIDTH 36Mbps

Date: 18.FEB.2006 10:55:50

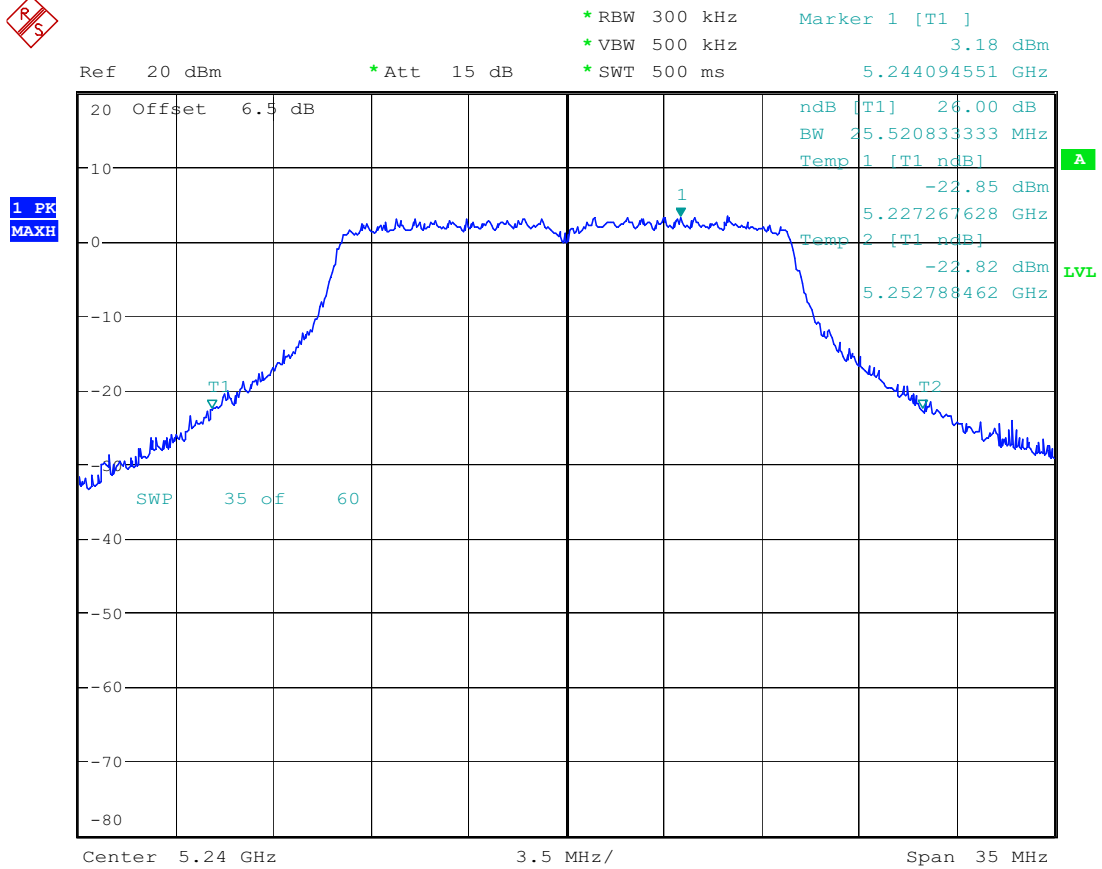


1 PK
MAXH



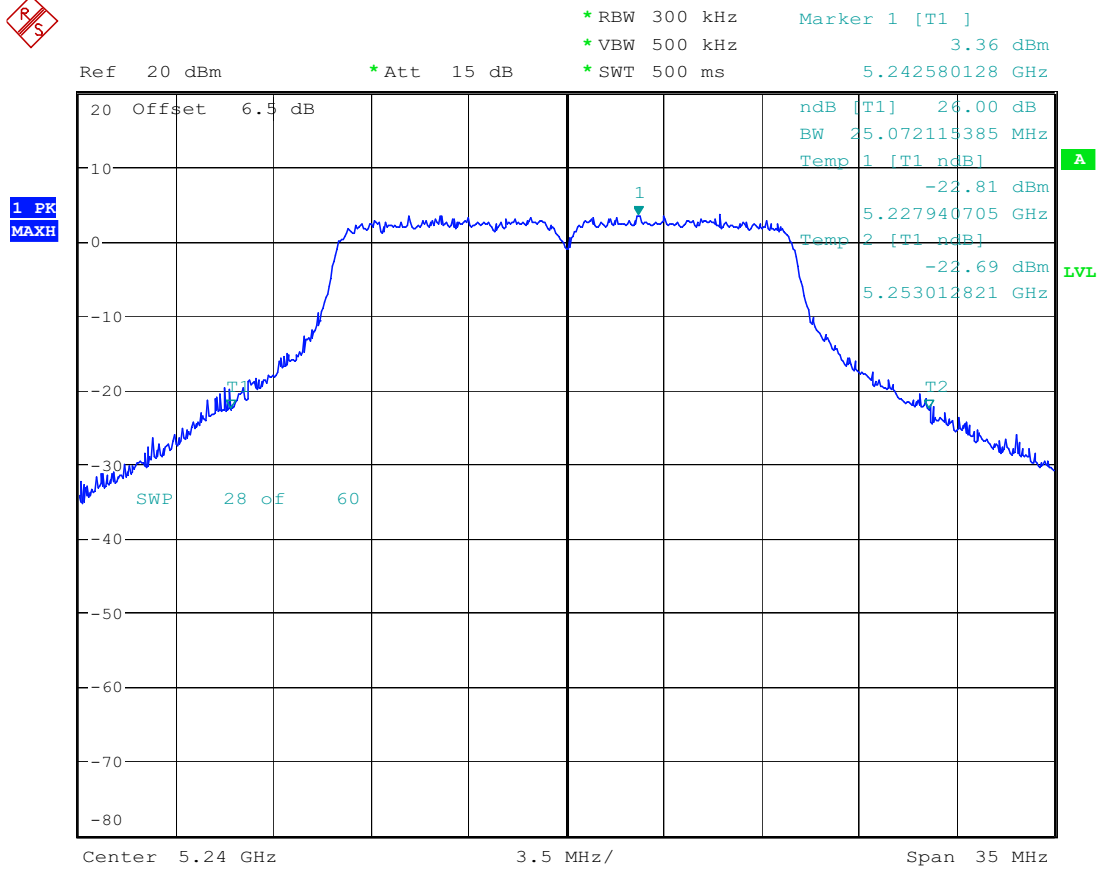
11A CH40 EMISSION BANDWIDTH 54Mbps

Date: 18.FEB.2006 10:52:06



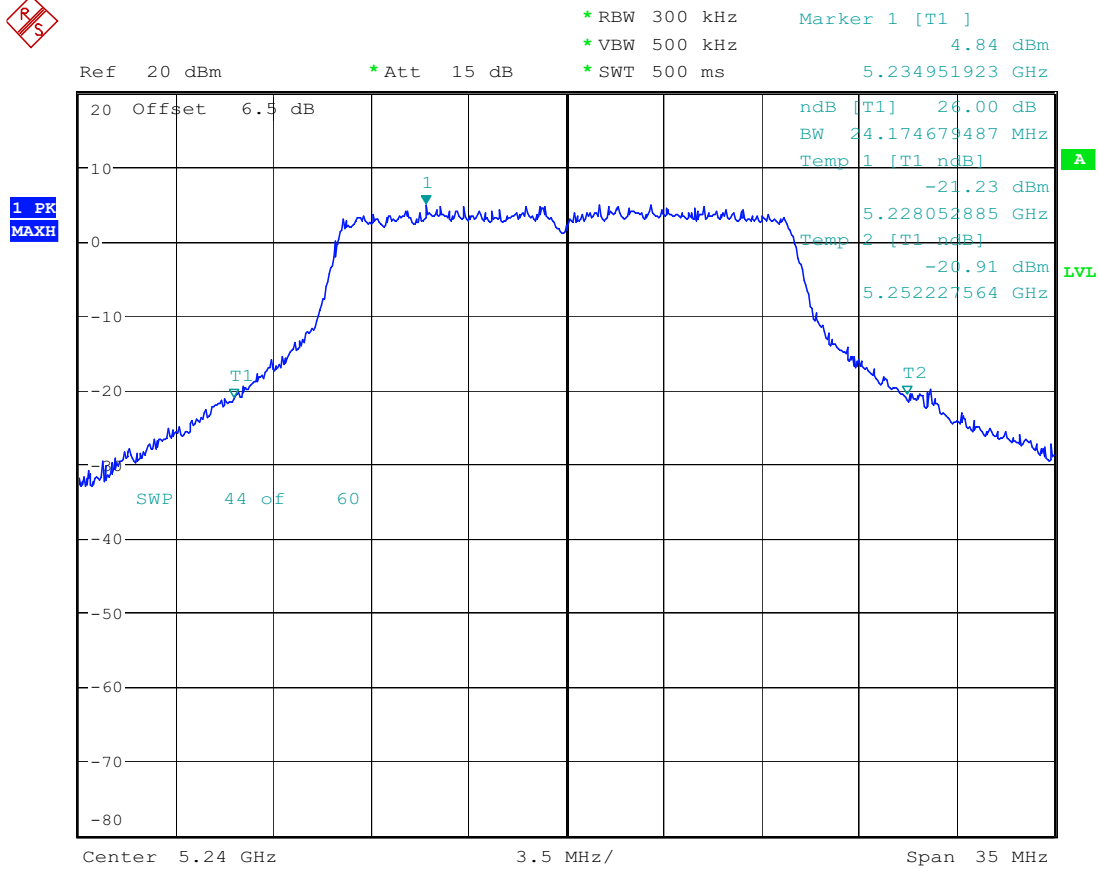
11A CH48 EMISSION BANDWIDTH 6Mbps

Date: 18.FEB.2006 11:07:21



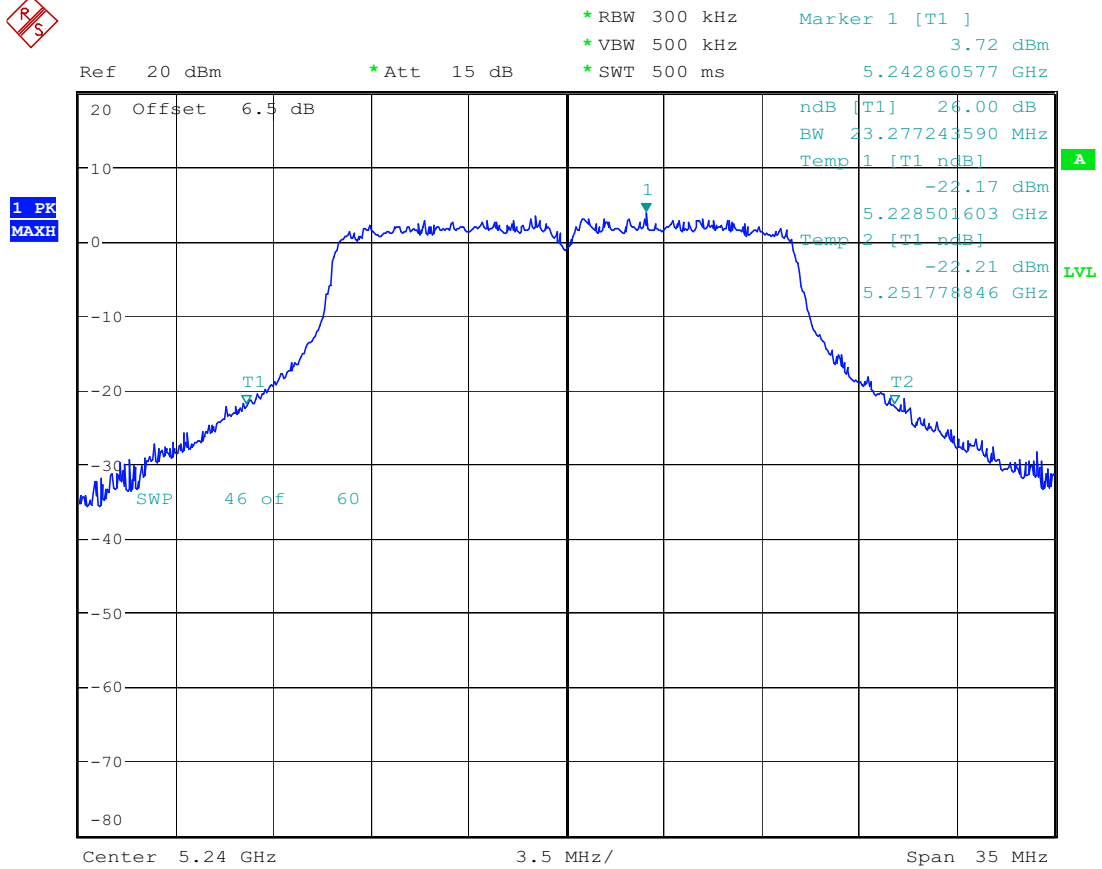
11A CH48 EMISSION BANDWIDTH 18Mbps

Date: 18.FEB.2006 11:09:37



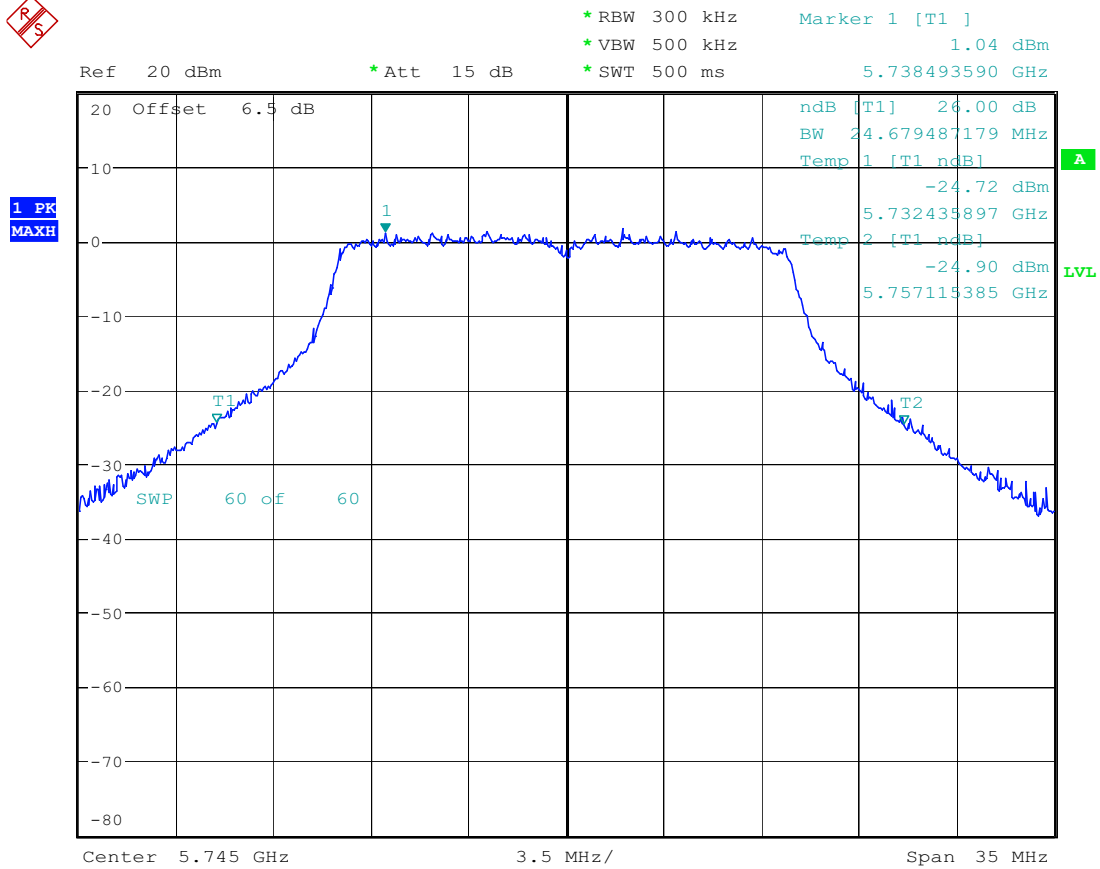
11A CH48 EMISSION BANDWIDTH 36Mbps

Date: 18.FEB.2006 11:10:49



11A CH48 EMISSION BANDWIDTH 54Mbps

Date: 18.FEB.2006 11:18:15

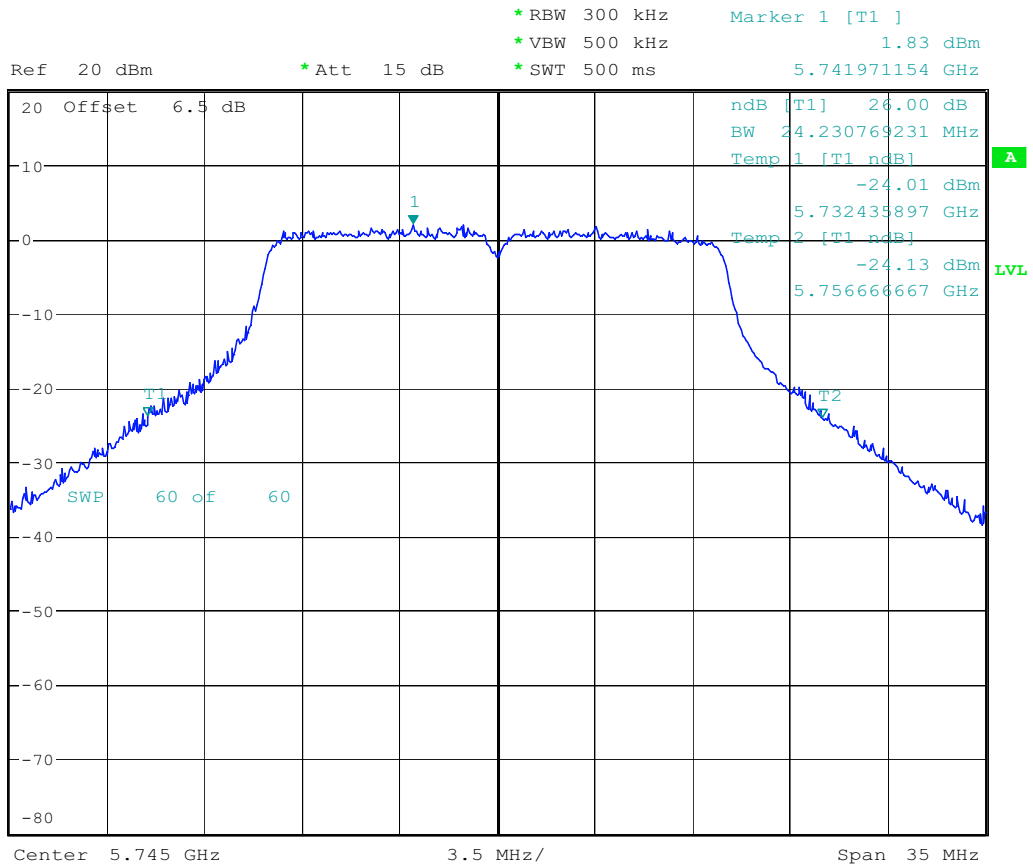


11A CH149 EMISSION BANDWIDTH 6Mbps

Date: 18.FEB.2006 12:05:00



1 PK
MAXH

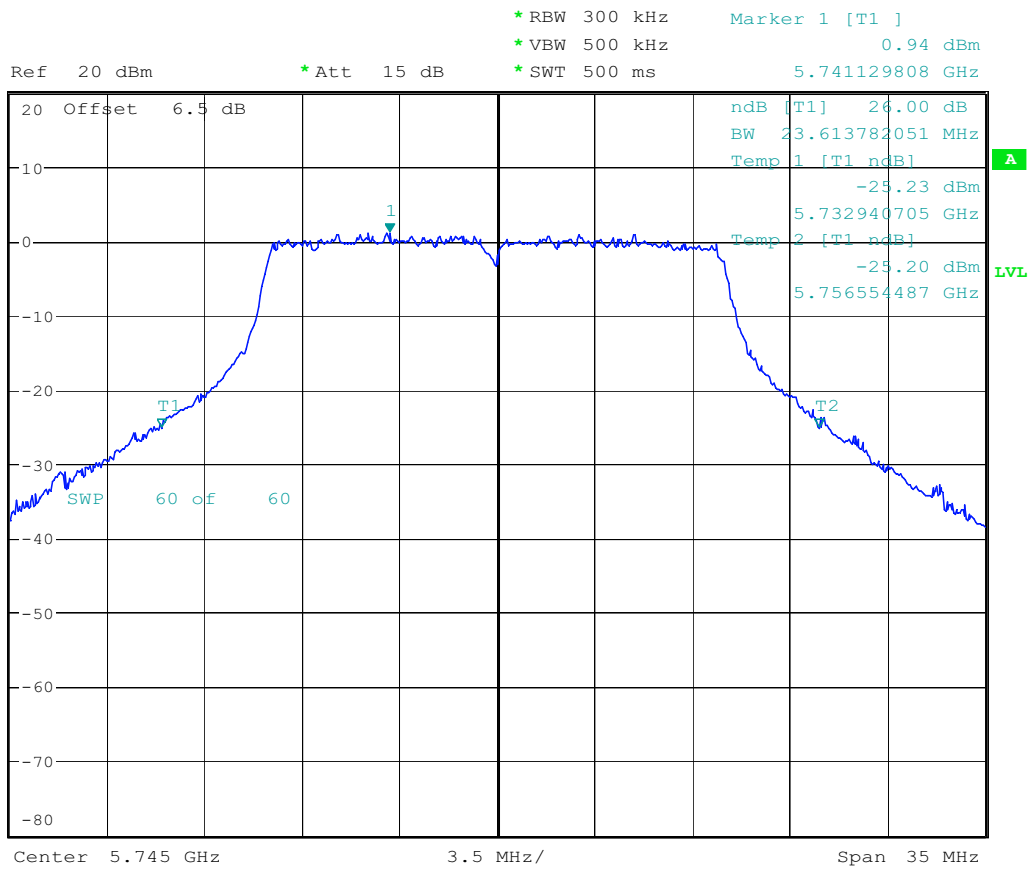


11A CH149 EMISSION BANDWIDTH 18Mbps

Date: 18.FEB.2006 12:25:38

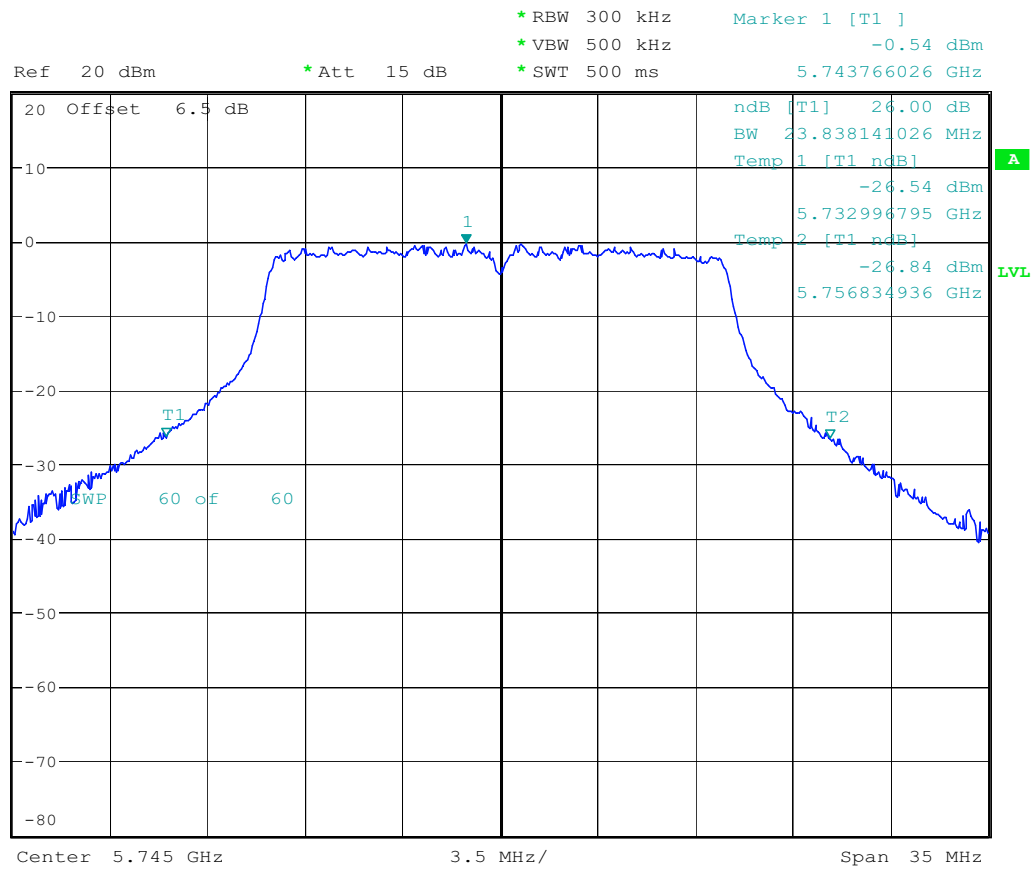


1 PK
MAXH



11A CH149 EMISSION BANDWIDTH 36Mbps

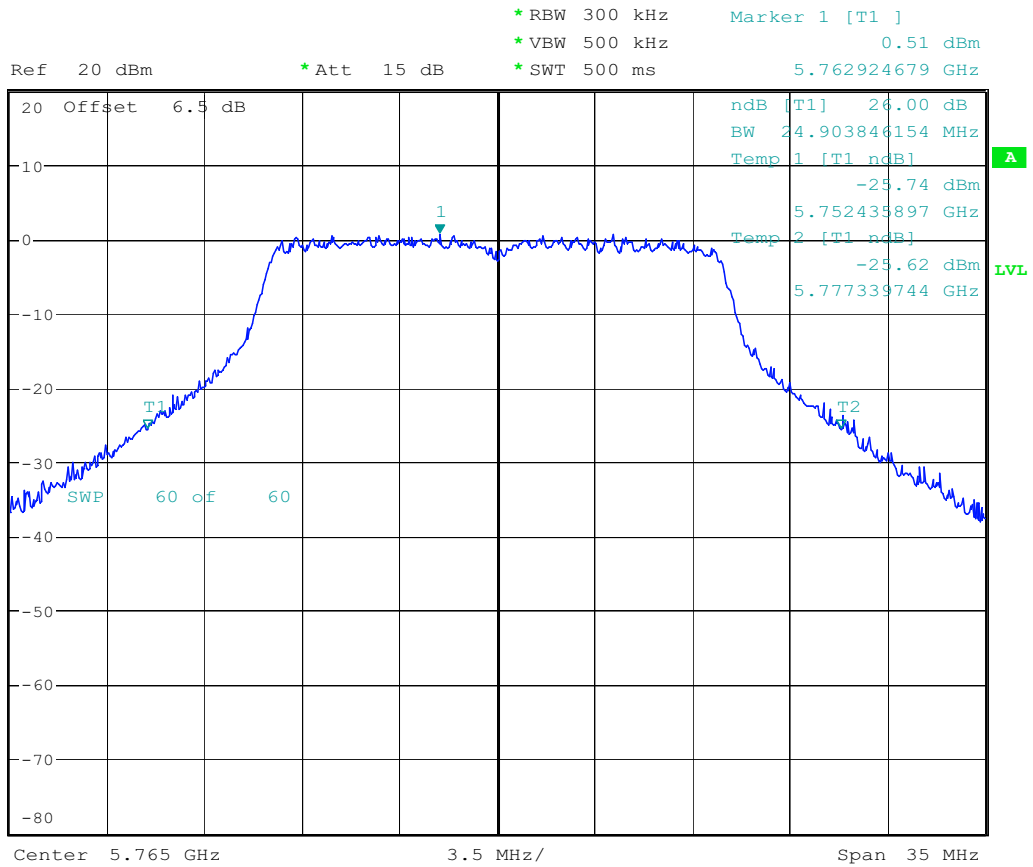
Date: 18.FEB.2006 12:36:51



Date: 18.FEB.2006 12:48:42



1 PK
MAXH

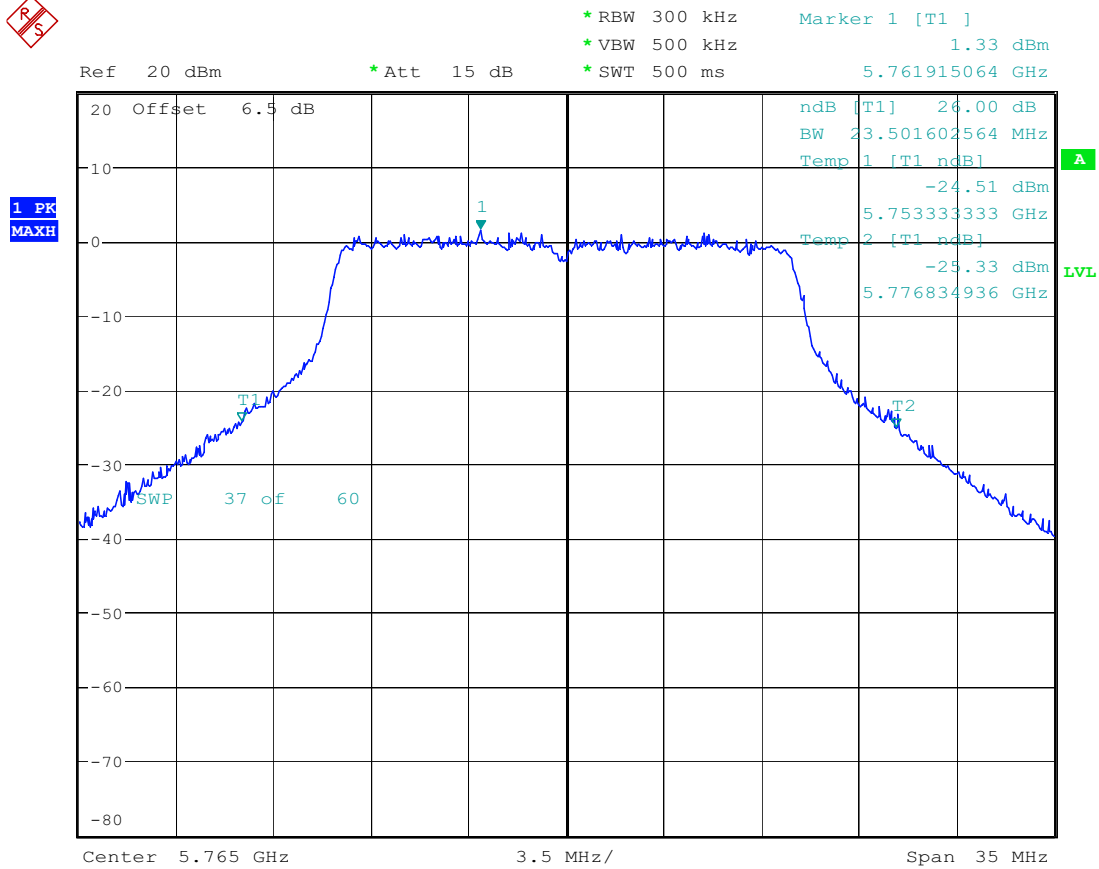


11A CH153 EMISSION BANDWIDTH 6Mbps

Date: 18.FEB.2006 14:37:39



Date: 18.FEB.2006 13:33:24

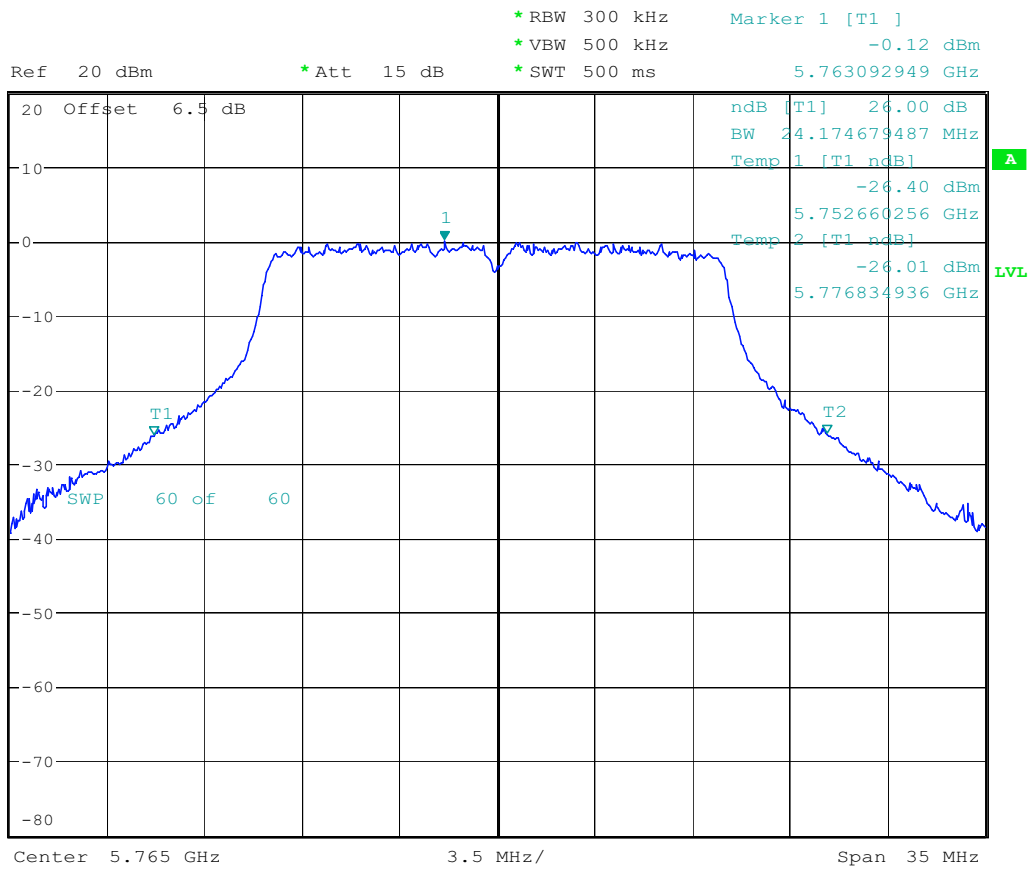


11A CH153 EMISSION BANDWIDTH 36Mbps

Date: 18.FEB.2006 13:15:22

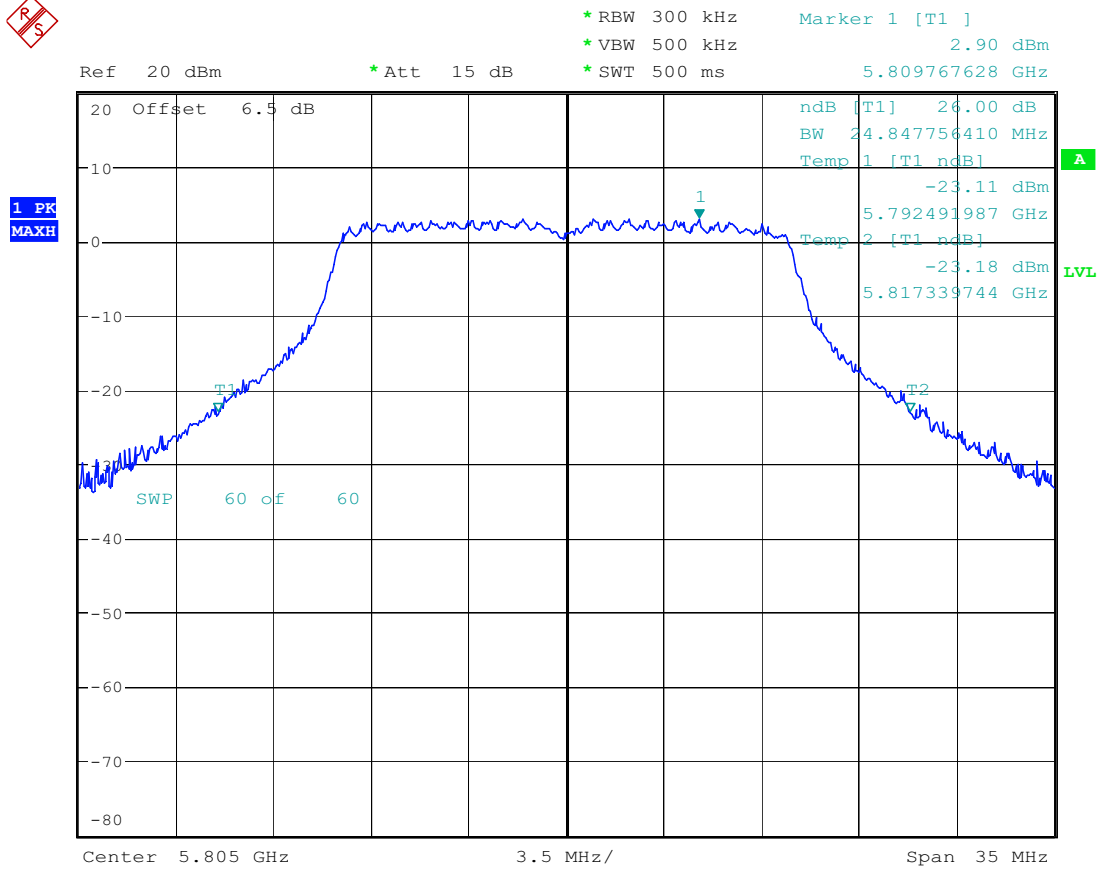


1 PK
MAXH



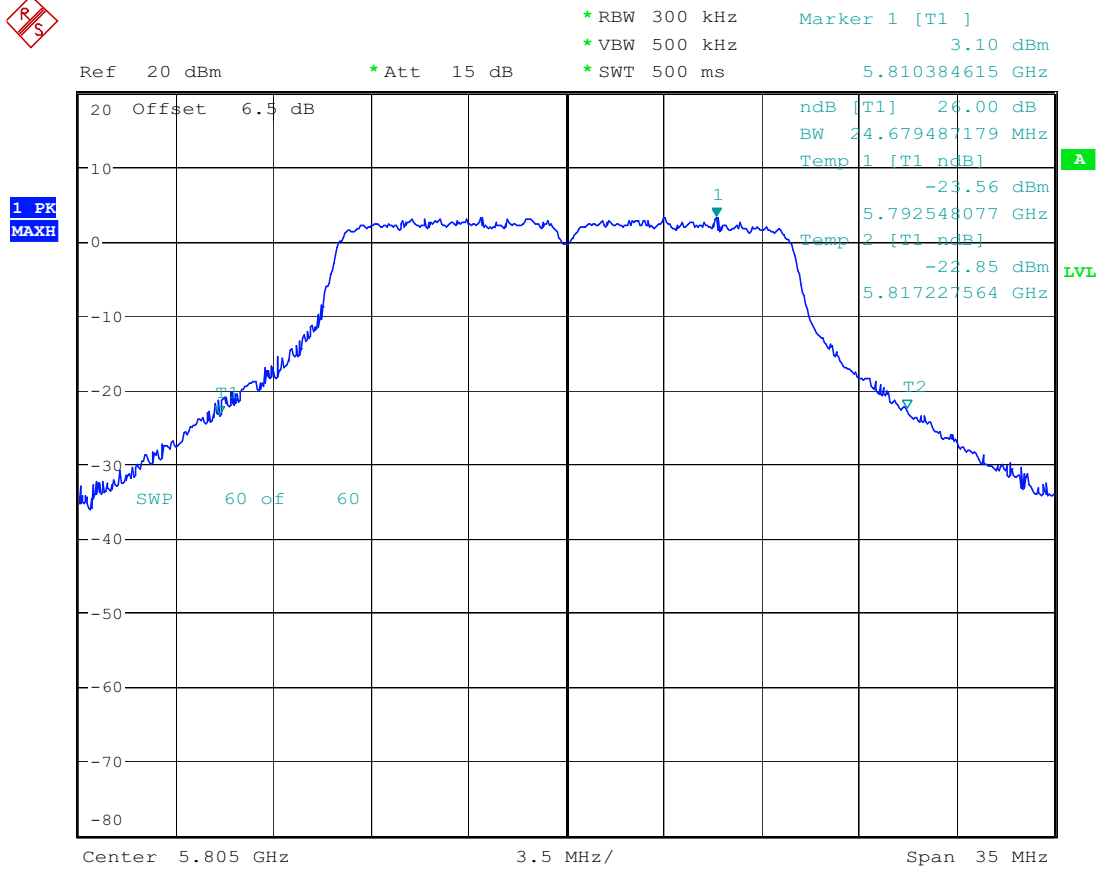
11A CH153 EMISSION BANDWIDTH 54Mbps

Date: 18.FEB.2006 13:01:49



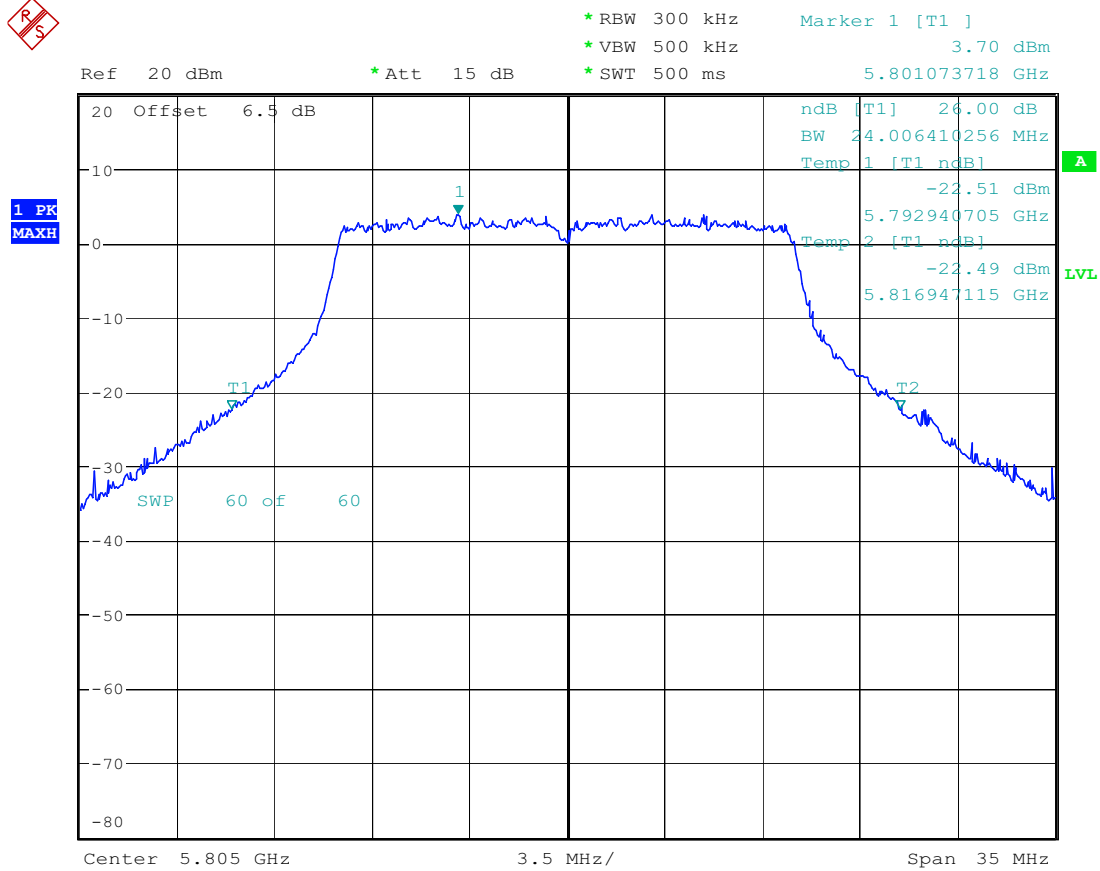
11A CH161 EMISSION BANDWIDTH 6Mbps

Date: 18.FEB.2006 14:51:02



11A CH161 EMISSION BANDWIDTH 18Mbps

Date: 18.FEB.2006 15:03:21

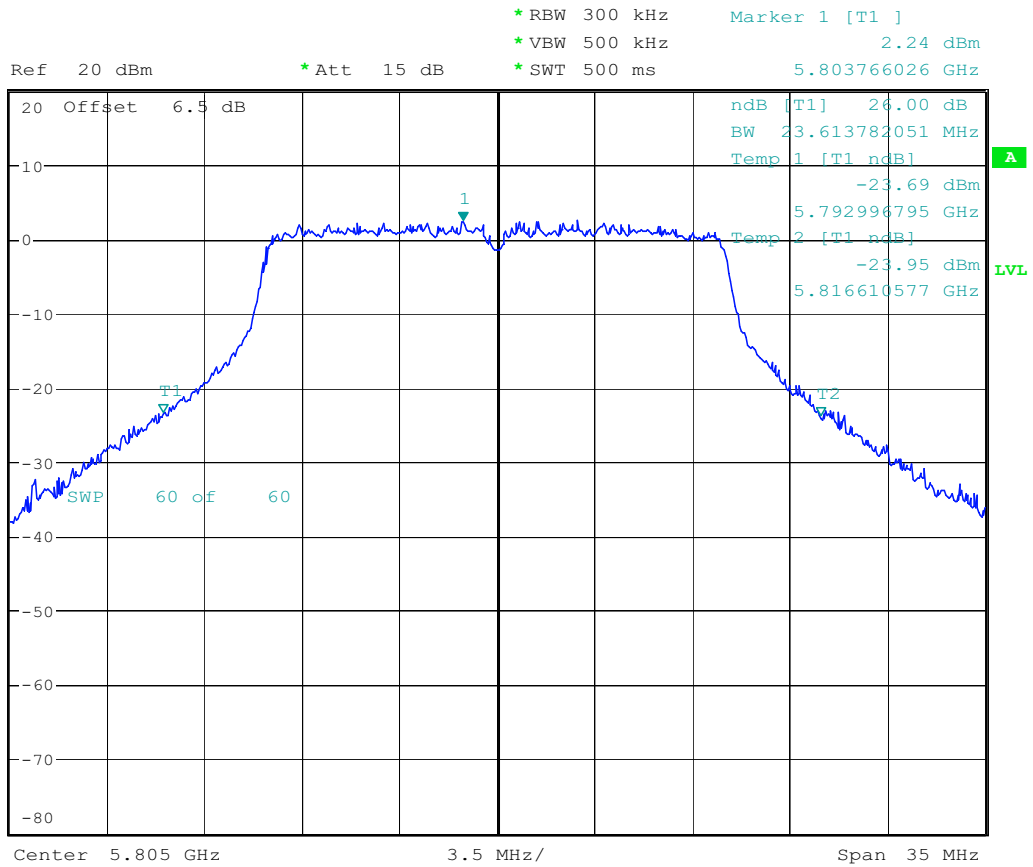


11A CH161 EMISSION BANDWIDTH 36Mbps

Date: 18.FEB.2006 15:13:00



1 PK
MAXH



11A CH161 EMISSION BANDWIDTH 54Mbps

Date: 18.FEB.2006 15:23:30



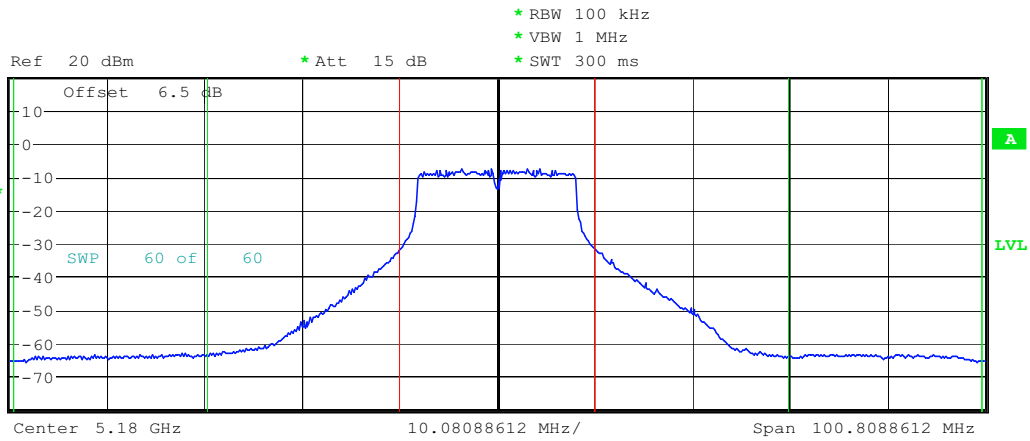
Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

Appendix B

Peak Transmit Power



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 12.75 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.92 dB

Spacing 20 MHz Upper -31.98 dB

Alternate Channel

Bandwidth 20 MHz Lower -54.55 dB

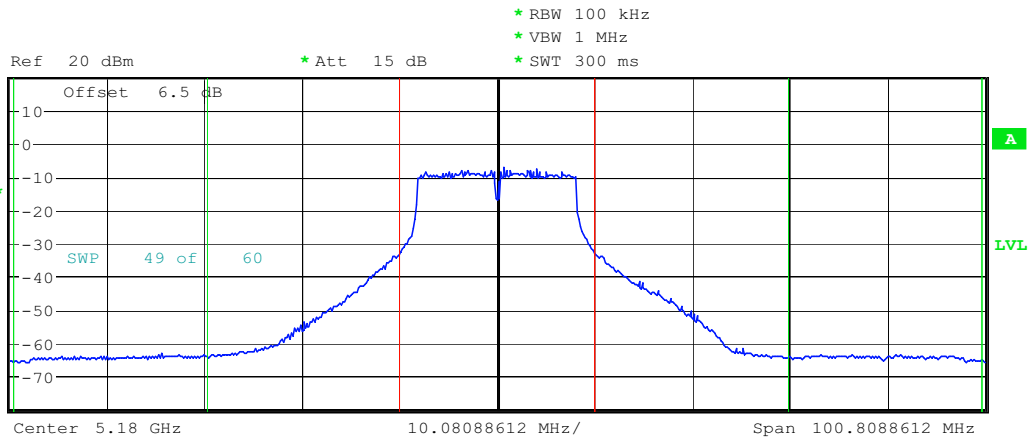
Spacing 40 MHz Upper -54.32 dB

11A CH36 PEAK TRANSMIT POWER 6Mbps

Date: 18.FEB.2006 15:45:37



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 12.29 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -33.07 dB

Spacing 20 MHz Upper -32.33 dB

Alternate Channel

Bandwidth 20 MHz Lower -54.30 dB

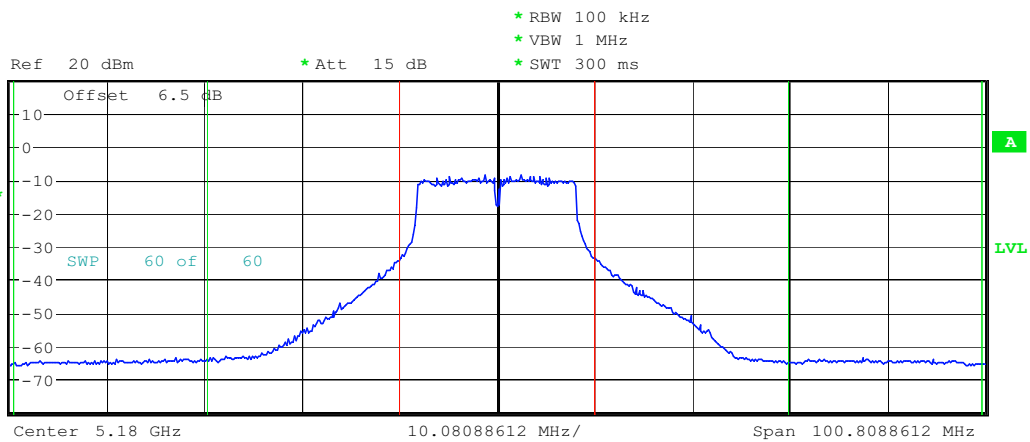
Spacing 40 MHz Upper -54.07 dB

11A CH36 PEAK TRANSMIT POWER 18Mbps

Date: 18.FEB.2006 15:42:42



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 11.24 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -33.25 dB

Spacing 20 MHz Upper -32.37 dB

Alternate Channel

Bandwidth 20 MHz Lower -53.58 dB

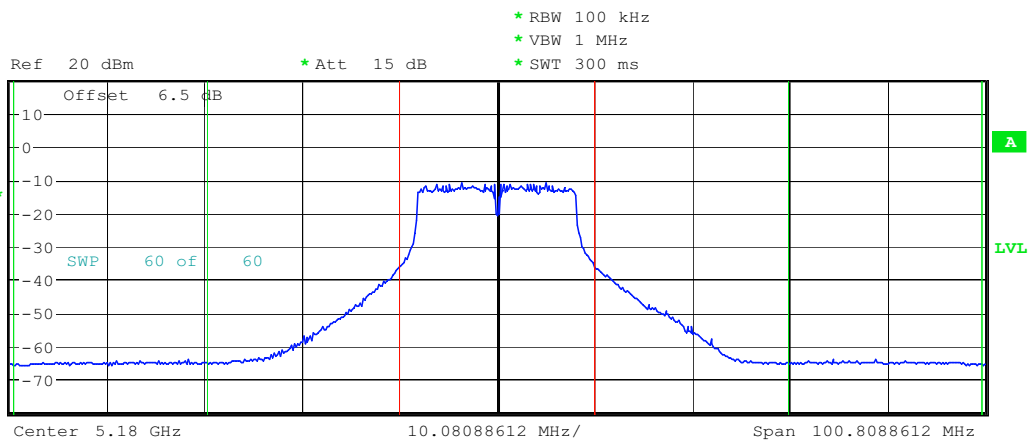
Spacing 40 MHz Upper -53.46 dB

11A CH36 PEAK TRANSMIT POWER 36Mbps

Date: 18.FEB.2006 15:40:32



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 9.02 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -33.53 dB
Spacing 20 MHz Upper -32.57 dB

Alternate Channel

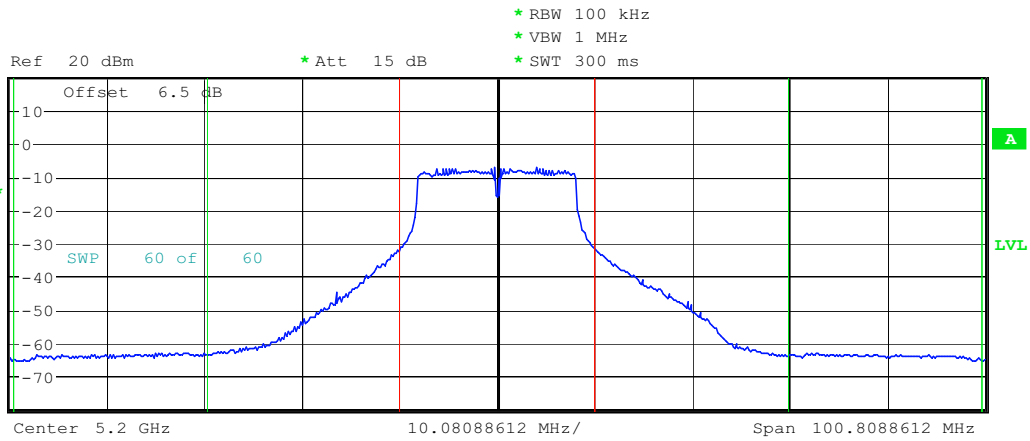
Bandwidth 20 MHz Lower -51.75 dB
Spacing 40 MHz Upper -51.57 dB

11A CH36 PEAK TRANSMIT POWER 54Mbps

Date: 18.FEB.2006 15:39:12



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 13.02 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.79 dB

Spacing 20 MHz Upper -32.01 dB

Alternate Channel

Bandwidth 20 MHz Lower -54.51 dB

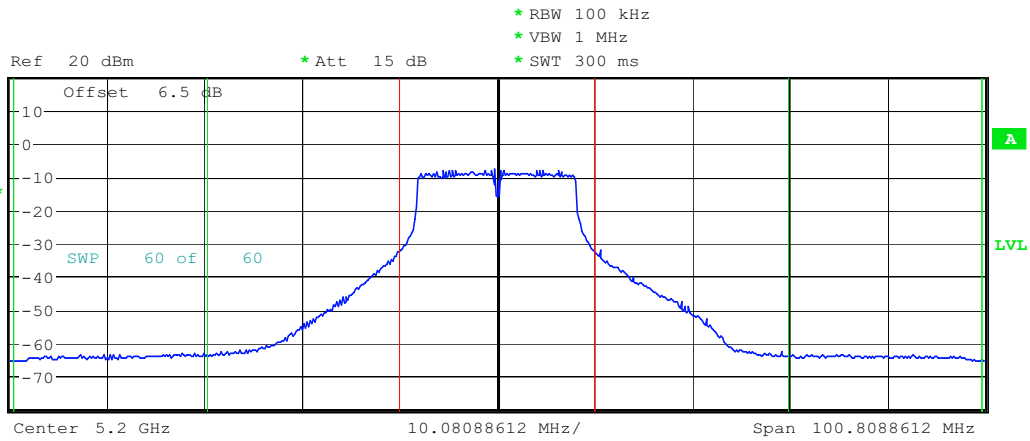
Spacing 40 MHz Upper -54.46 dB

11A CH40 PEAK TRANSMIT POWER 6Mbps

Date: 18.FEB.2006 15:49:07



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 12.48 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -33.05 dB

Spacing 20 MHz Upper -32.11 dB

Alternate Channel

Bandwidth 20 MHz Lower -54.24 dB

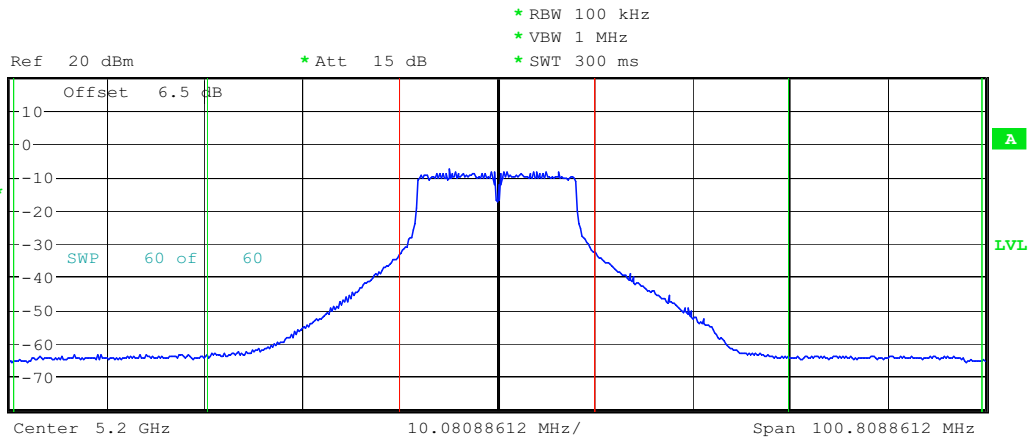
Spacing 40 MHz Upper -54.21 dB

11A CH40 PEAK TRANSMIT POWER 18Mbps

Date: 18.FEB.2006 15:50:32



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	11.87 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-33.15 dB
Spacing	20 MHz	Upper	-32.04 dB

Alternate Channel

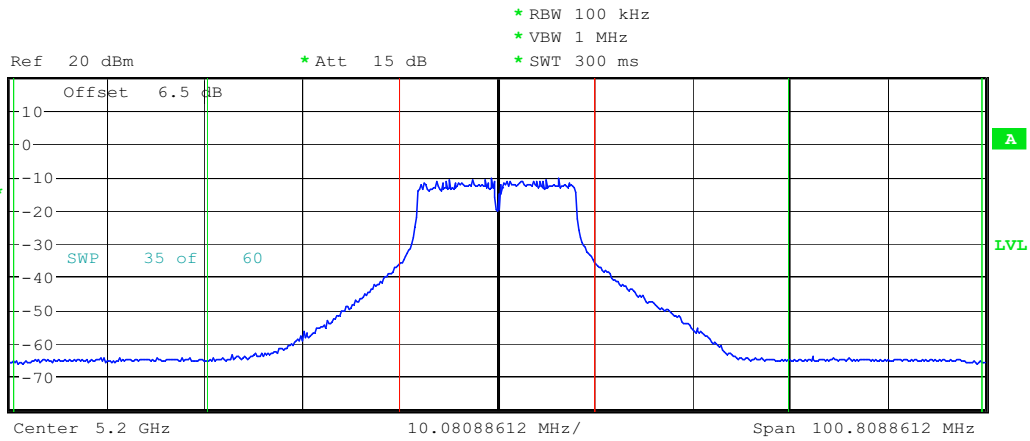
Bandwidth	20 MHz	Lower	-53.85 dB
Spacing	40 MHz	Upper	-53.81 dB

11A CH40 PEAK TRANSMIT POWER 36Mbps

Date: 18.FEB.2006 15:53:23



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	9.15 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-33.41 dB
Spacing	20 MHz	Upper	-32.28 dB

Alternate Channel

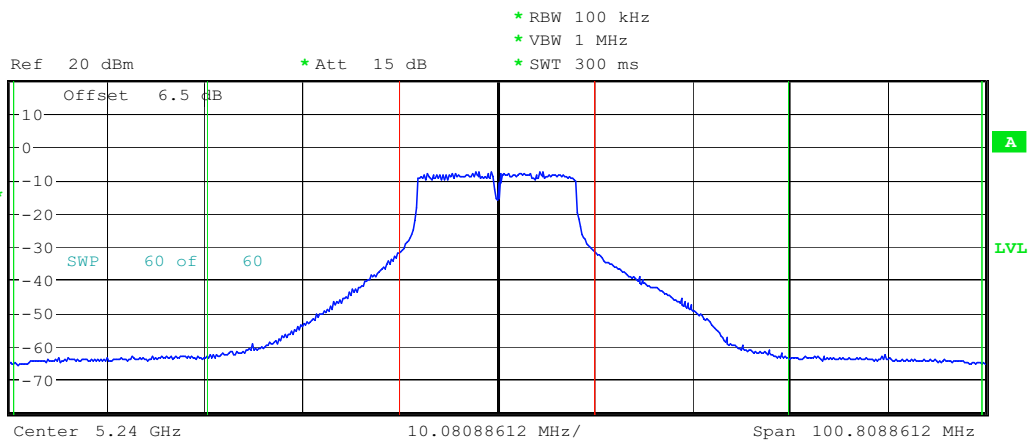
Bandwidth	20 MHz	Lower	-51.89 dB
Spacing	40 MHz	Upper	-51.81 dB

11A CH40 PEAK TRANSMIT POWER 54Mbps

Date: 18.FEB.2006 15:54:36



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 12.79 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.60 dB

Spacing 20 MHz Upper -31.38 dB

Alternate Channel

Bandwidth 20 MHz Lower -54.34 dB

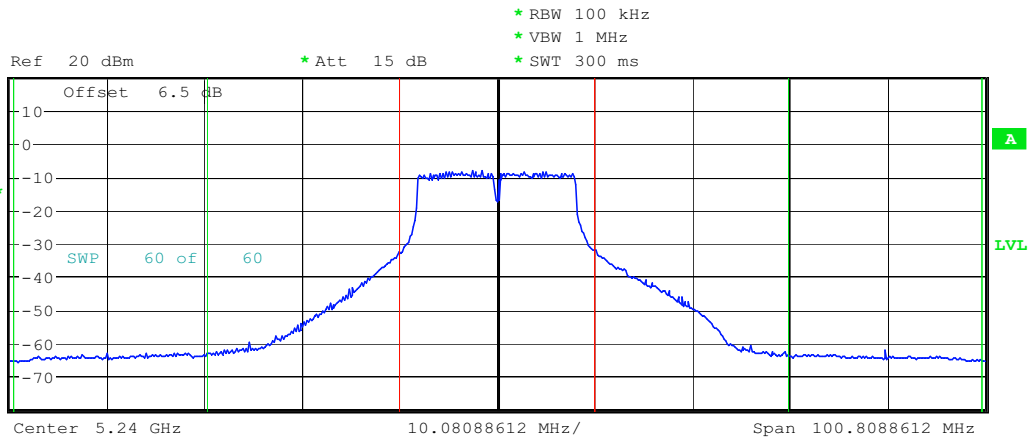
Spacing 40 MHz Upper -54.38 dB

11A CH48 PEAK TRANSMIT POWER 6Mbps

Date: 18.FEB.2006 16:03:31



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	12.06 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-32.75 dB
Spacing	20 MHz	Upper	-31.23 dB

Alternate Channel

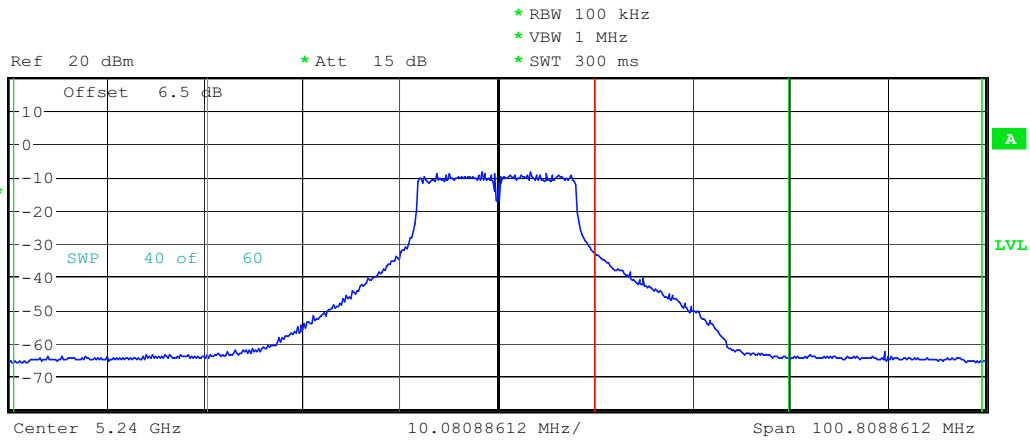
Bandwidth	20 MHz	Lower	-53.83 dB
Spacing	40 MHz	Upper	-53.87 dB

11A CH48 PEAK TRANSMIT POWER 18Mbps

Date: 18.FEB.2006 16:02:05



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	11.32 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-32.66 dB
Spacing	20 MHz	Upper	-31.16 dB

Alternate Channel

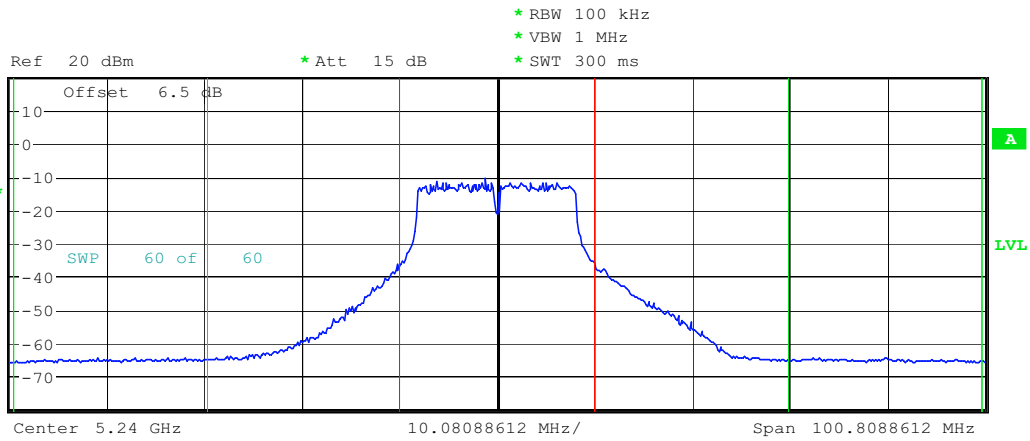
Bandwidth	20 MHz	Lower	-53.41 dB
Spacing	40 MHz	Upper	-53.47 dB

11A CH48 PEAK TRANSMIT POWER 36Mbps

Date: 18.FEB.2006 15:59:08



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 8.59 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -33.56 dB

Spacing 20 MHz Upper -32.35 dB

Alternate Channel

Bandwidth 20 MHz Lower -51.41 dB

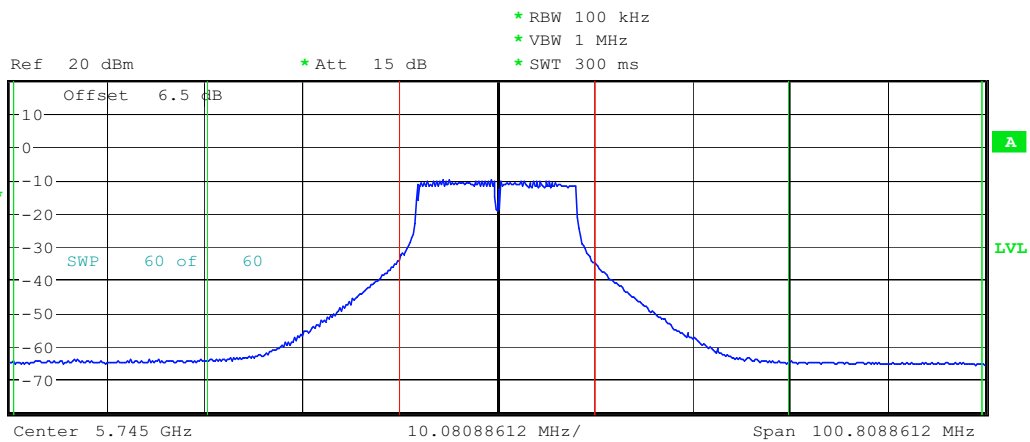
Spacing 40 MHz Upper -51.36 dB

11A CH48 PEAK TRANSMIT POWER 54Mbps

Date: 18.FEB.2006 15:57:59



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 10.38 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.47 dB

Spacing 20 MHz Upper -33.76 dB

Alternate Channel

Bandwidth 20 MHz Lower -52.66 dB

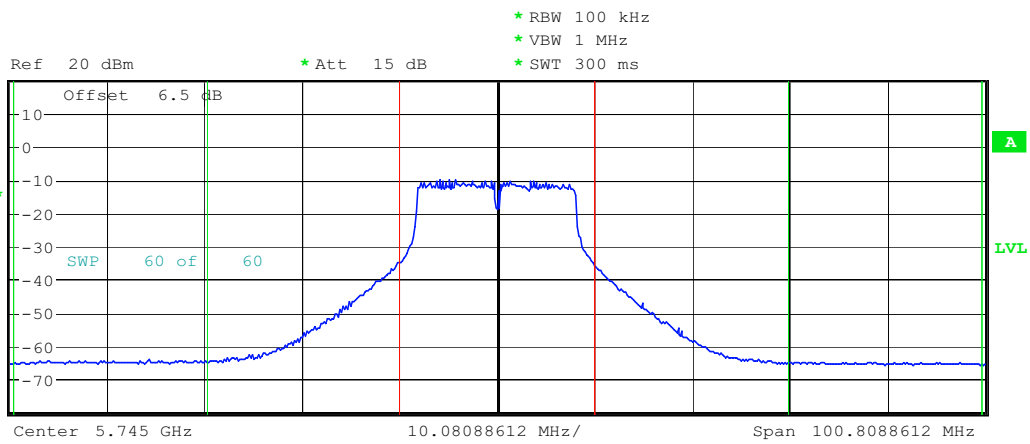
Spacing 40 MHz Upper -53.10 dB

11A CH149 PEAK TRANSMIT POWER 6Mbps

Date: 18.FEB.2006 12:11:56



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 9.95 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.73 dB
Spacing 20 MHz Upper -33.96 dB

Alternate Channel

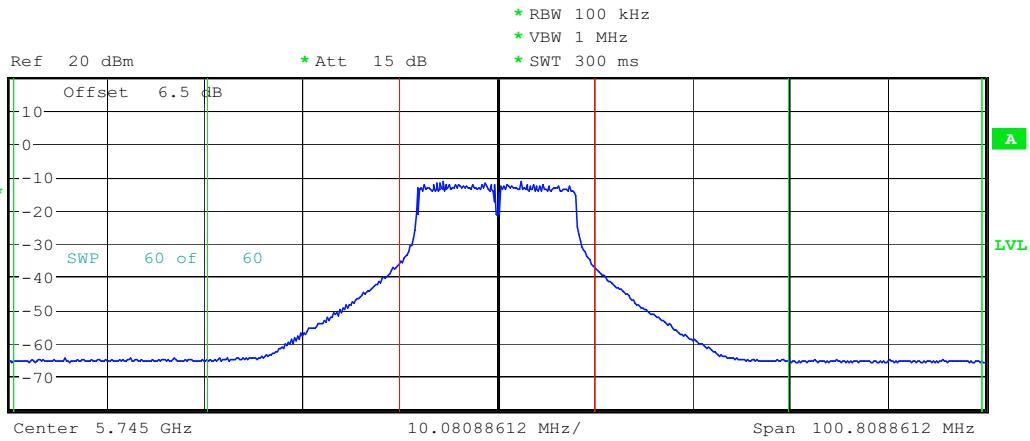
Bandwidth 20 MHz Lower -52.38 dB
Spacing 40 MHz Upper -52.77 dB

11A CH149 PEAK TRANSMIT POWER 18Mbps

Date: 18.FEB.2006 12:27:35



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 8.40 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.35 dB
Spacing 20 MHz Upper -33.63 dB

Alternate Channel

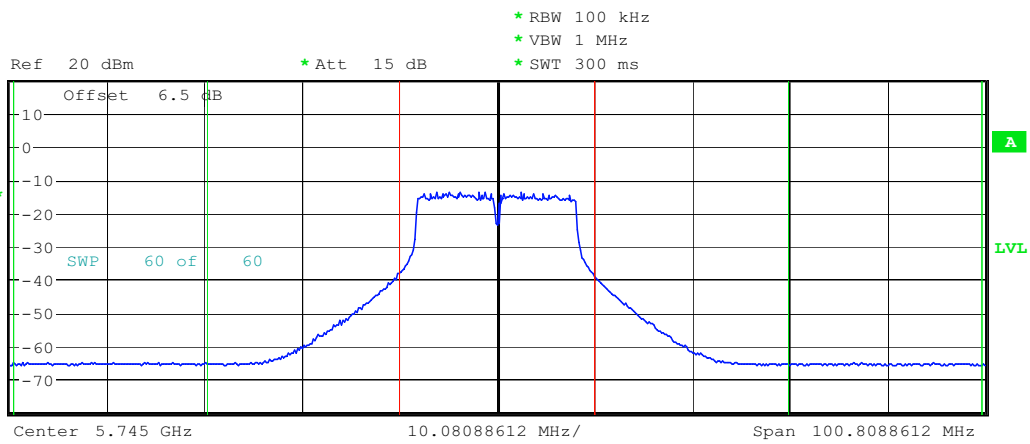
Bandwidth 20 MHz Lower -51.20 dB
Spacing 40 MHz Upper -51.46 dB

11A CH149 PEAK TRANSMIT POWER 36Mbps

Date: 18.FEB.2006 12:35:13



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	6.56 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-32.82 dB
Spacing	20 MHz	Upper	-33.90 dB

Alternate Channel

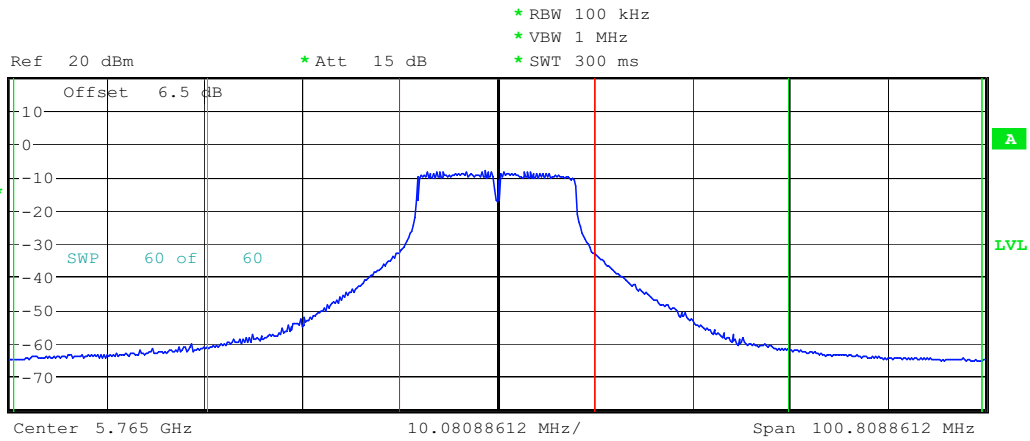
Bandwidth	20 MHz	Lower	-49.52 dB
Spacing	40 MHz	Upper	-49.63 dB

11A CH149 PEAK TRANSMIT POWER 54Mbps

Date: 18.FEB.2006 12:54:45



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	12.04 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-32.28 dB
Spacing	20 MHz	Upper	-32.95 dB

Alternate Channel

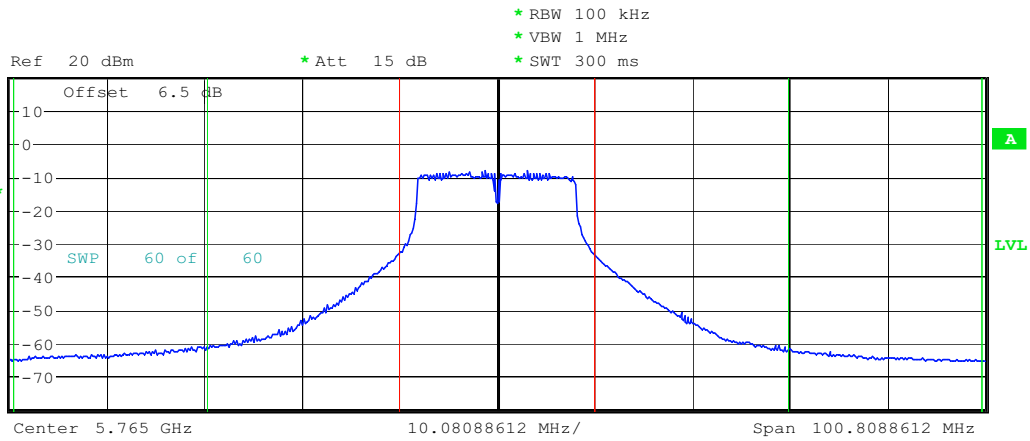
Bandwidth	20 MHz	Lower	-52.82 dB
Spacing	40 MHz	Upper	-53.59 dB

11A CH153 PEAK SPECTRAL DENSITY 6Mbps

Date: 18.FEB.2006 14:43:29



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	11.80 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-32.55 dB
Spacing	20 MHz	Upper	-33.21 dB

Alternate Channel

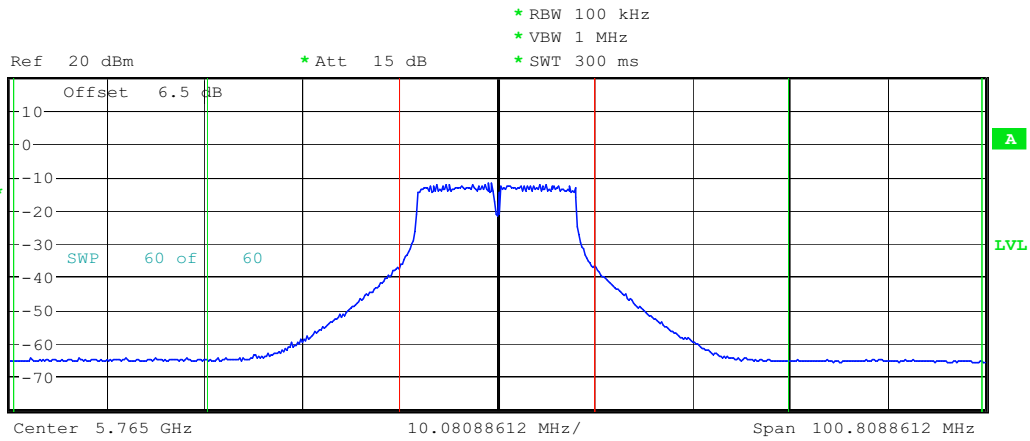
Bandwidth	20 MHz	Lower	-52.74 dB
Spacing	40 MHz	Upper	-53.49 dB

11A CH153 PEAK TRANSMIT POWER 18Mbps

Date: 18.FEB.2006 13:34:46



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	8.20 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-33.01 dB
Spacing	20 MHz	Upper	-33.70 dB

Alternate Channel

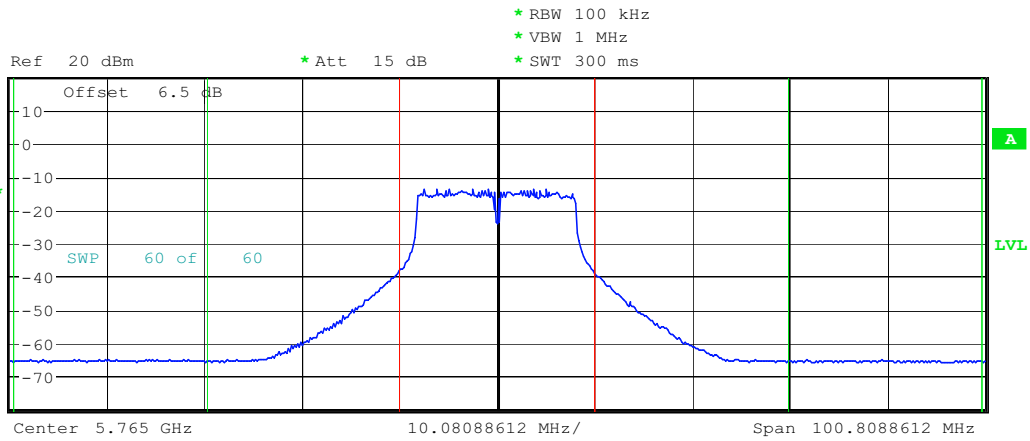
Bandwidth	20 MHz	Lower	-50.88 dB
Spacing	40 MHz	Upper	-51.16 dB

11A CH153 PEAK TRANSMIT POWER 36Mbps

Date: 18.FEB.2006 13:16:57



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 6.46 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.83 dB

Spacing 20 MHz Upper -33.54 dB

Alternate Channel

Bandwidth 20 MHz Lower -49.37 dB

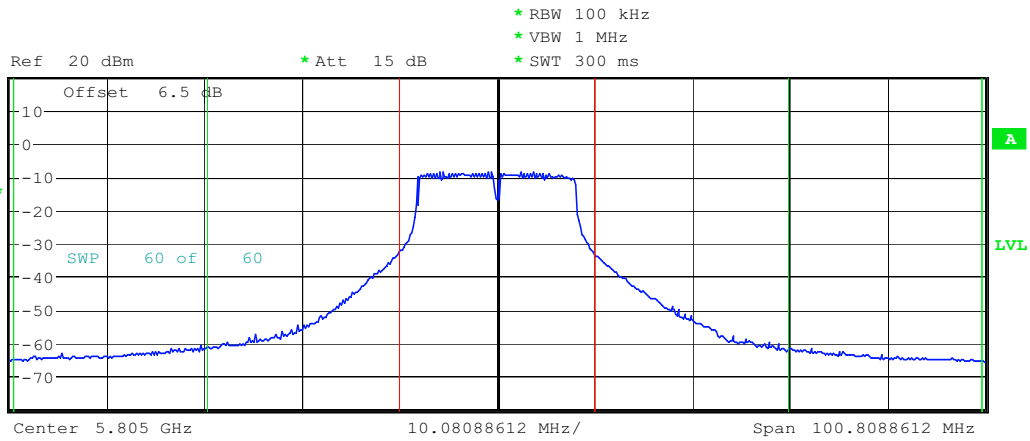
Spacing 40 MHz Upper -49.53 dB

11A CH153 PEAK TRANSMIT POWER 54Mbps

Date: 18.FEB.2006 12:59:39



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 11.95 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -32.79 dB
Spacing 20 MHz Upper -33.01 dB

Alternate Channel

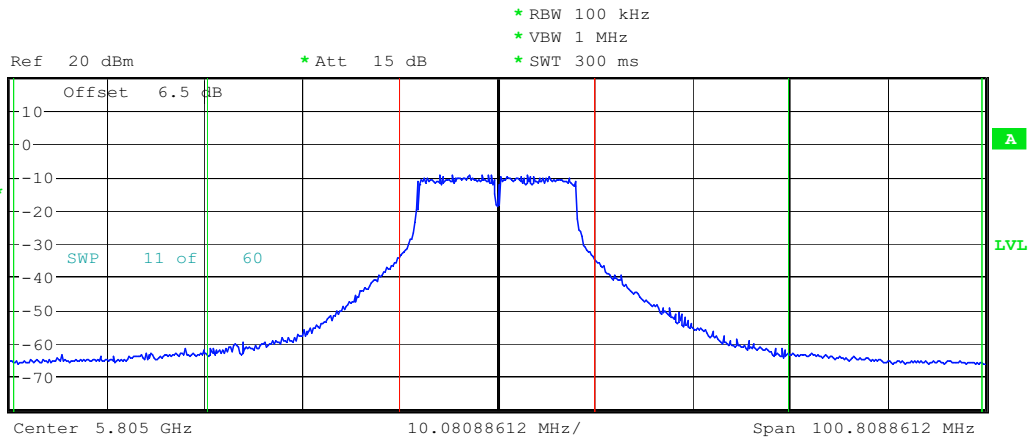
Bandwidth 20 MHz Lower -53.01 dB
Spacing 40 MHz Upper -53.43 dB

11A CH161 PEAK TRANSMIT POWER 6Mbps

Date: 18.FEB.2006 14:49:30



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 10.72 dBm

Adjacent Channel

Bandwidth 20 MHz Lower -33.14 dB

Spacing 20 MHz Upper -33.43 dB

Alternate Channel

Bandwidth 20 MHz Lower -52.73 dB

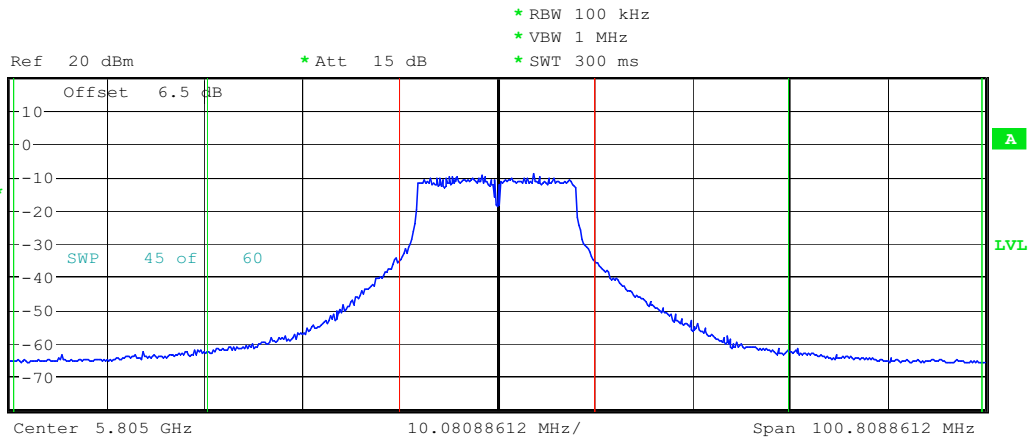
Spacing 40 MHz Upper -53.10 dB

11A CH161 PEAK TRANSMIT POWER 18Mbps

Date: 18.FEB.2006 15:07:37



1 RM
MAXH



Tx Channel

Bandwidth	20 MHz	Power	10.33 dBm
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Adjacent Channel

Bandwidth	20 MHz	Lower	-33.02 dB
Spacing	20 MHz	Upper	-33.39 dB

Alternate Channel

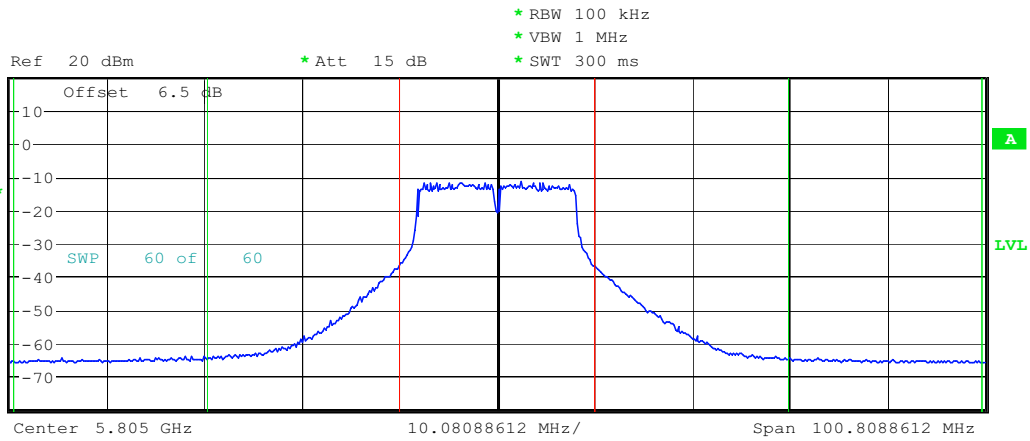
Bandwidth	20 MHz	Lower	-52.21 dB
Spacing	40 MHz	Upper	-52.48 dB

11A CH161 PEAK TRANSMIT POWER 36Mbps

Date: 18.FEB.2006 15:09:11



1 RM
MAXH



Tx Channel

Bandwidth 20 MHz Power 8.58 dBm

Adjacent Channel

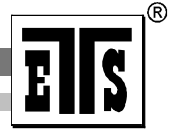
Bandwidth 20 MHz Lower -33.24 dB
Spacing 20 MHz Upper -33.31 dB

Alternate Channel

Bandwidth 20 MHz Lower -51.35 dB
Spacing 0 MHz Upper -51.50 dB

11A CH161 PEAK TRANSMIT POWER 54Mbps

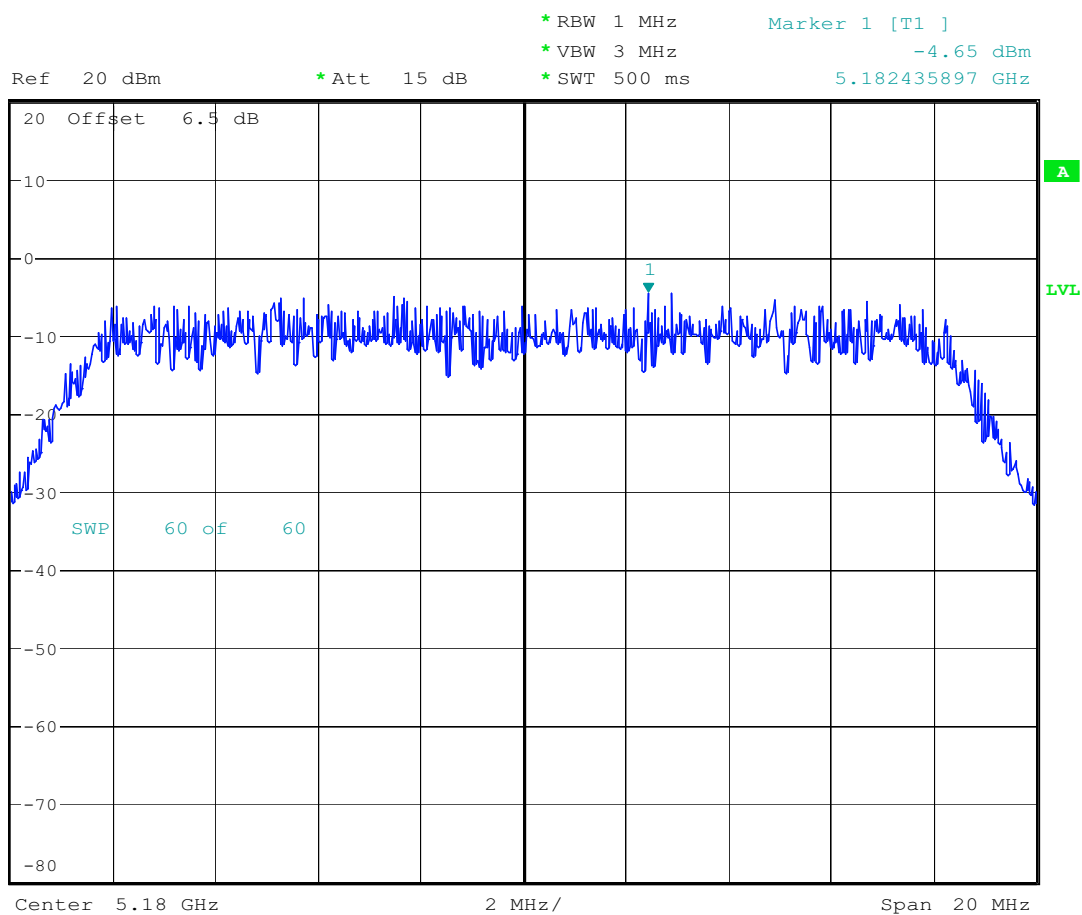
Date: 18.FEB.2006 15:25:26



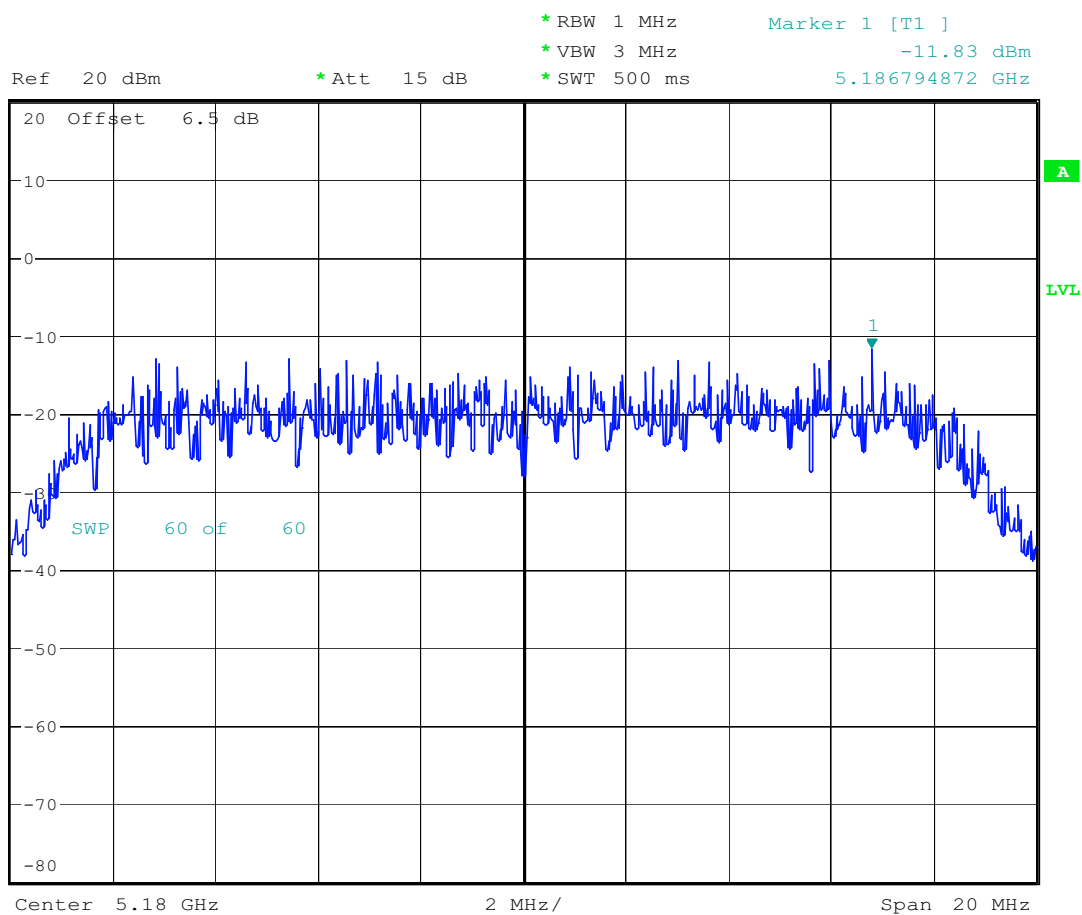
Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

Appendix C

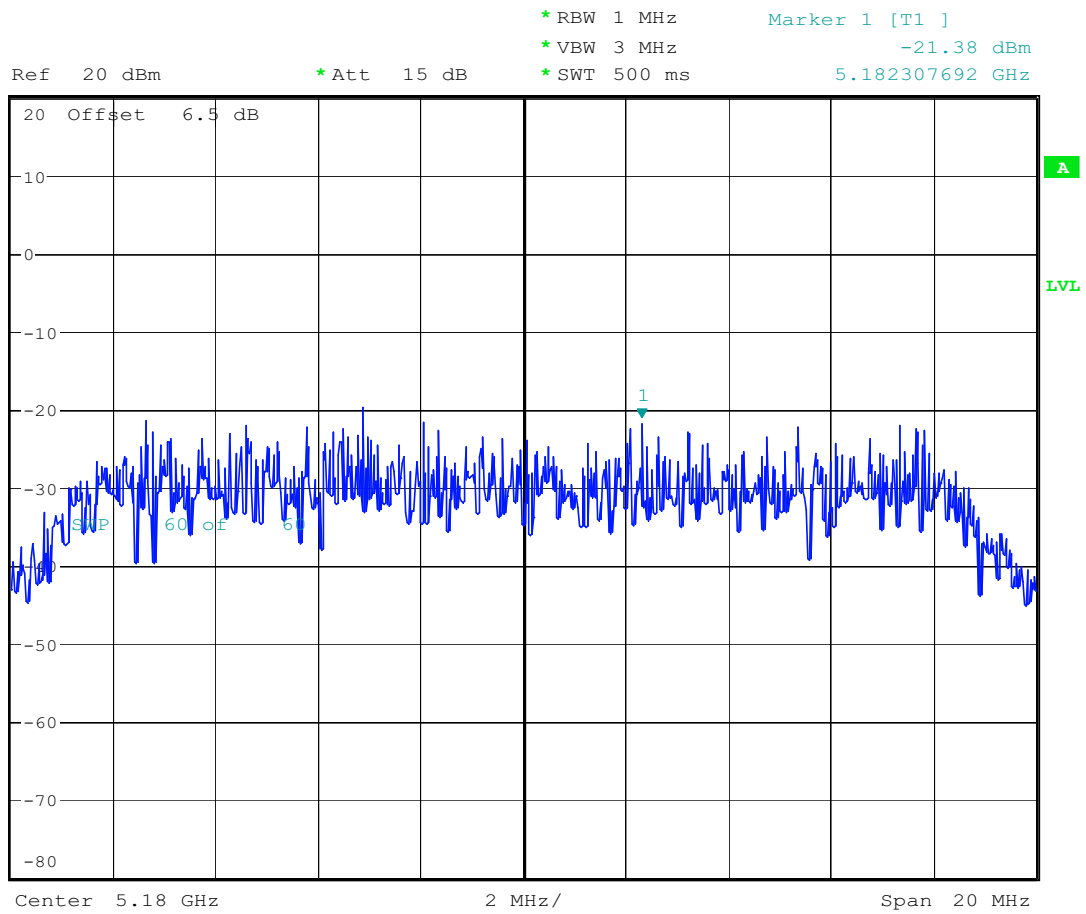
Peak Power Spectral Density



Date: 24.FEB.2006 04:43:26

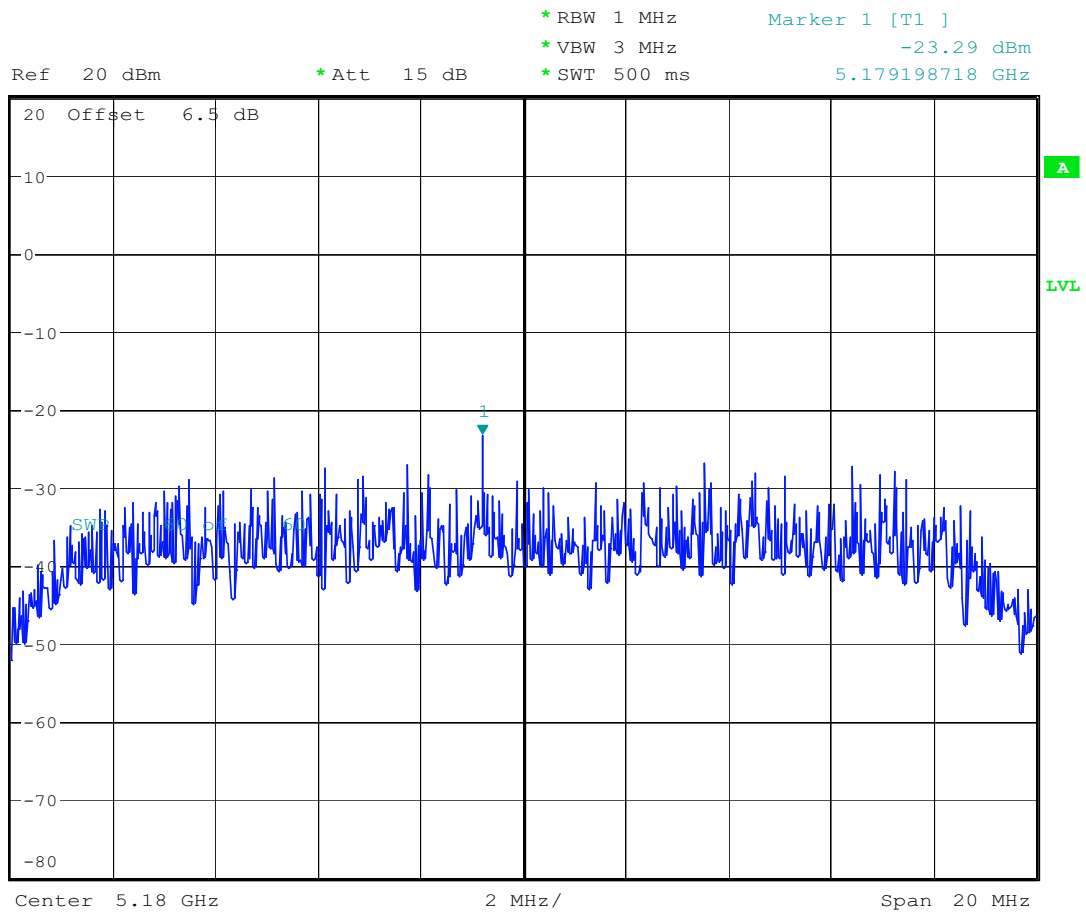


Date: 24.FEB.2006 05:26:02



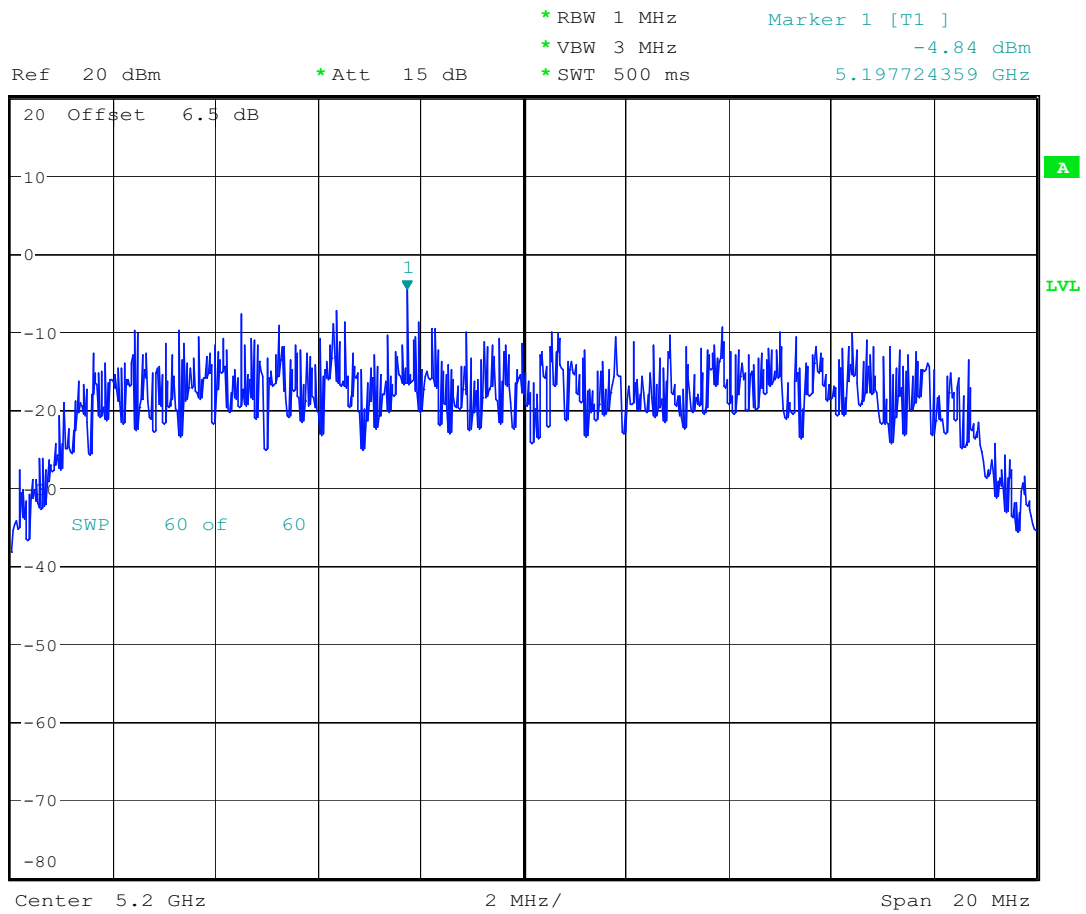
11A CH36 PEAK POWER SPECTRAL DENSITY 36Mbps

Date: 24.FEB.2006 05:10:05



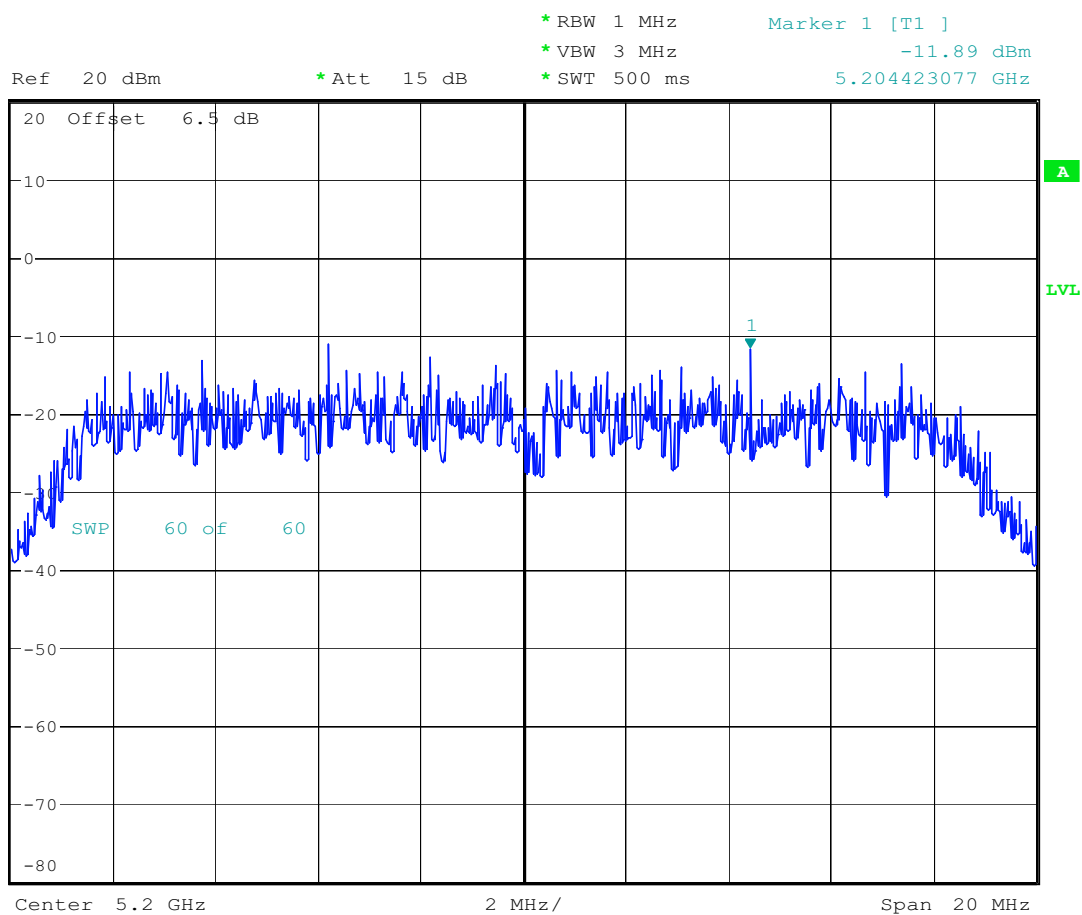
11A CH36 PEAK POWER SPECTRAL DENSITY 54Mbps

Date: 24.FEB.2006 05:04:28

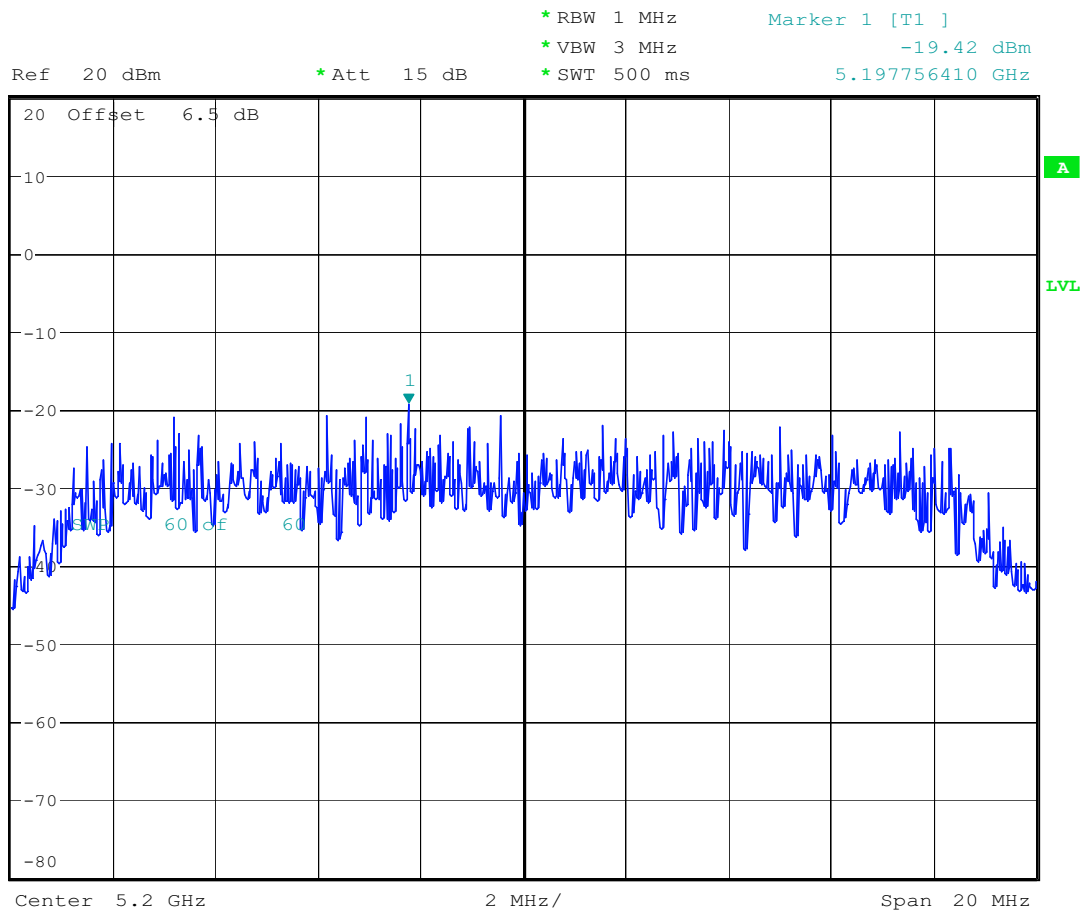


11A CH40 PEAK POWER SPECTRAL DENSITY 6Mbps

Date: 24.FEB.2006 05:19:11

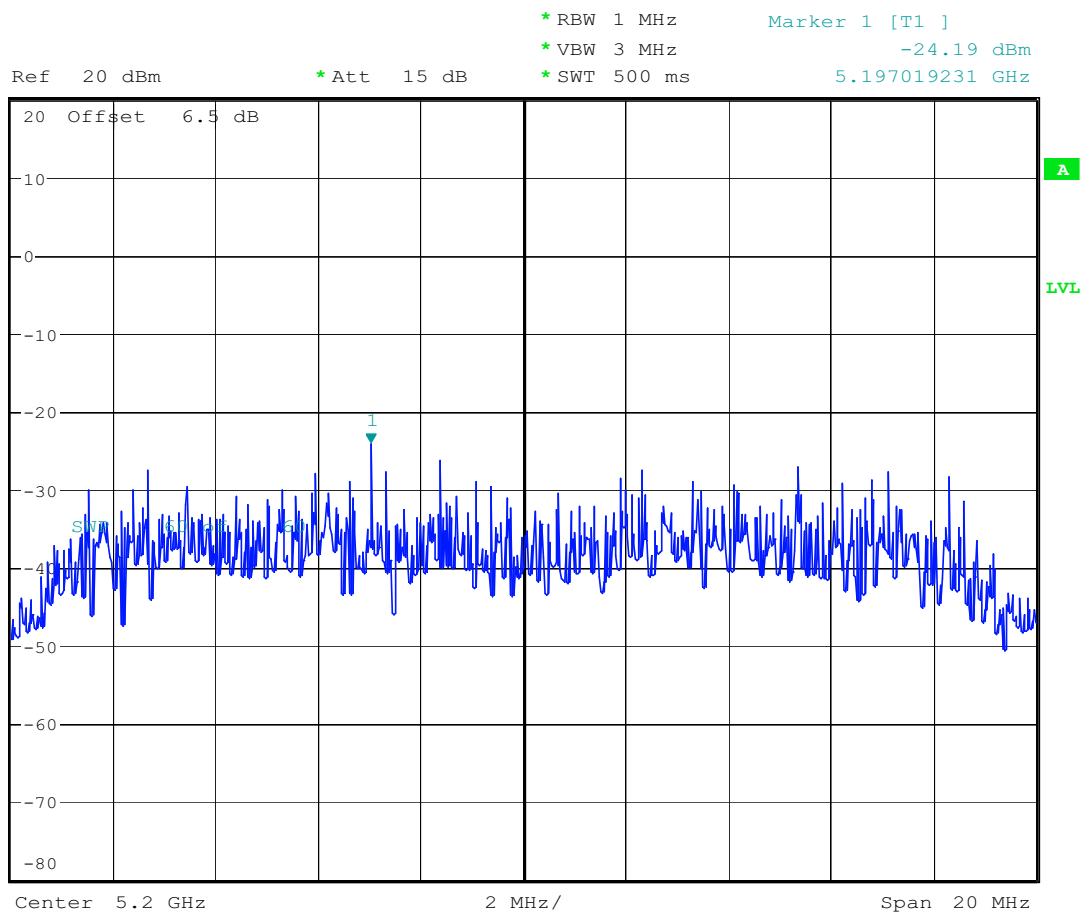


Date: 24.FEB.2006 05:29:45



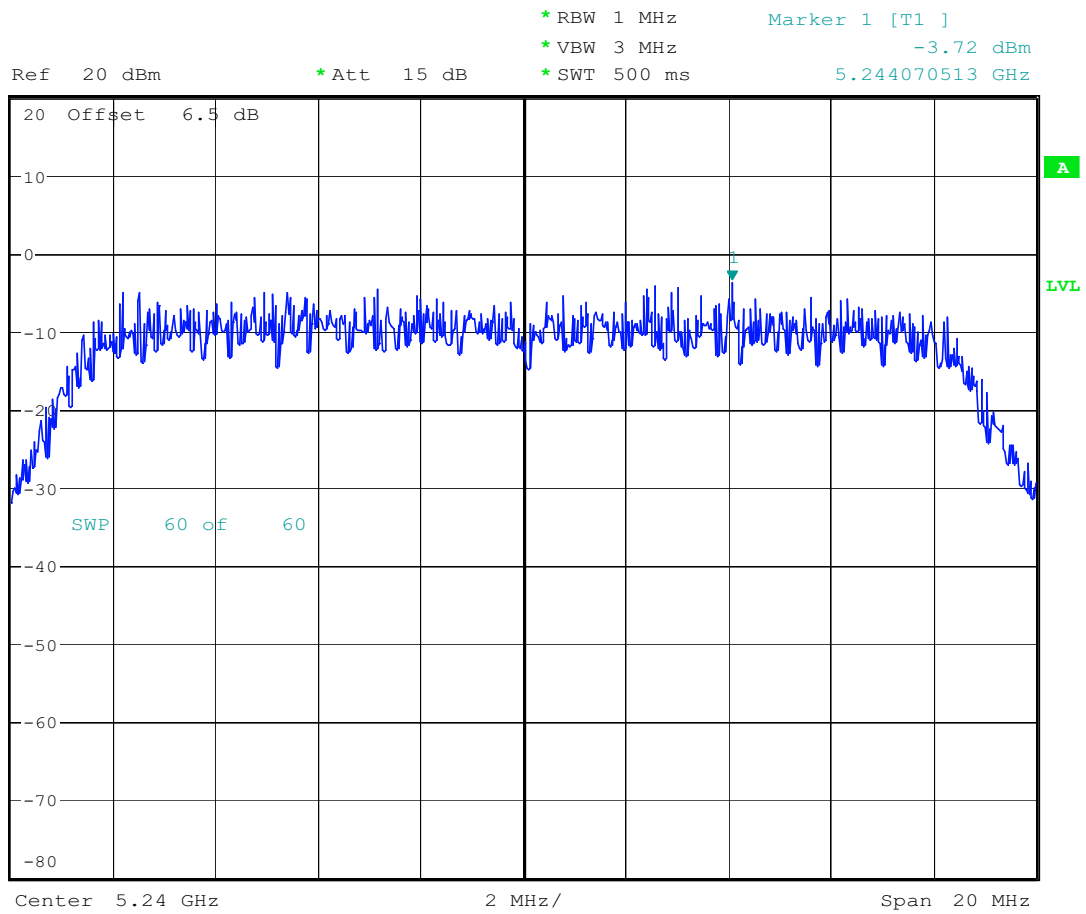
11A CH40 PEAK POWER SPECTRAL DENSITY 36Mbps

Date: 24.FEB.2006 05:12:16



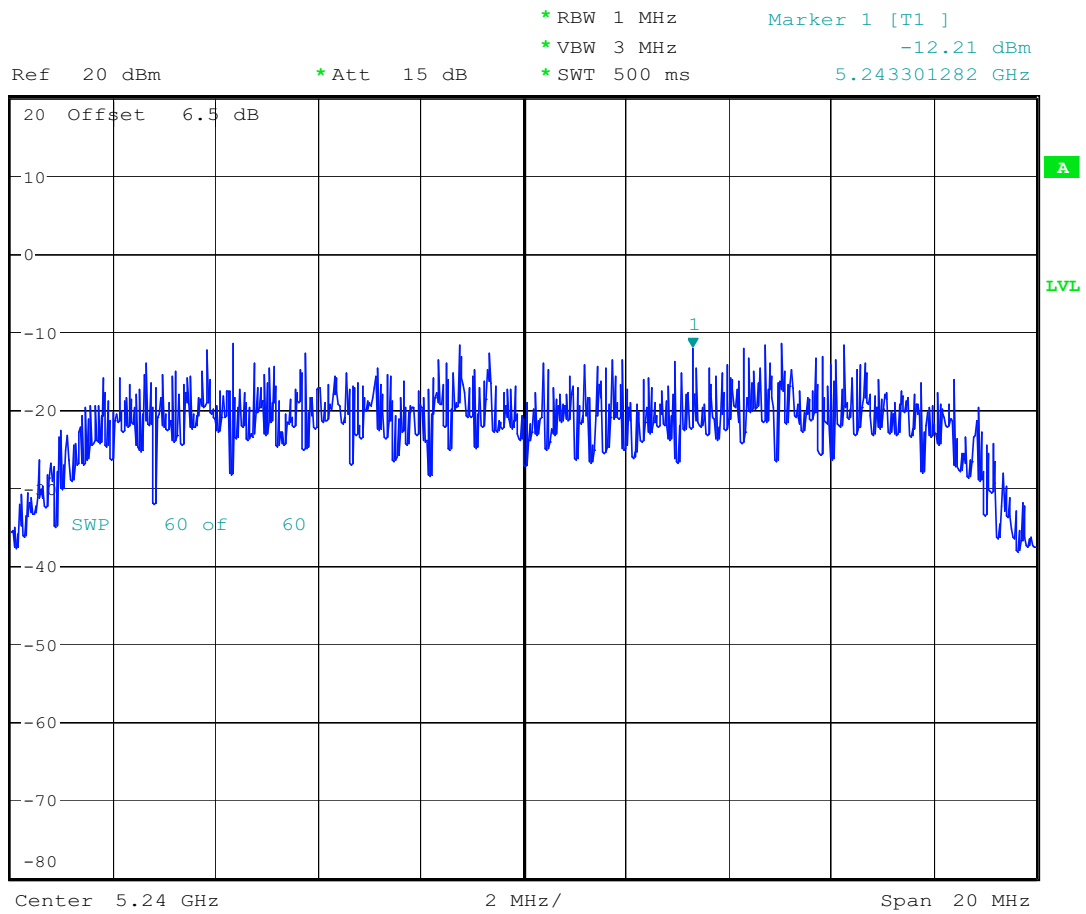
11A CH40 PEAK POWER SPECTRAL DENSITY 54Mbps

Date: 24.FEB.2006 05:02:24



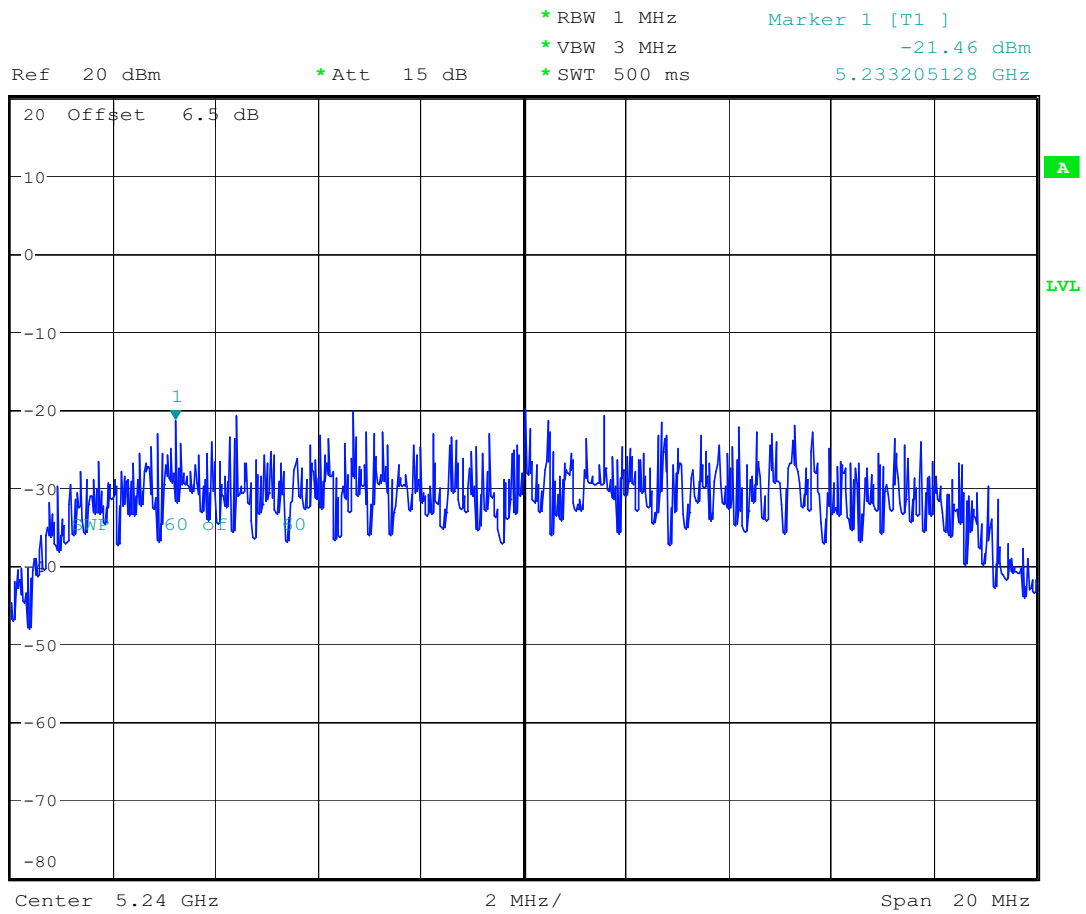
11A CH48 PEAK POWER SPECTRAL DENSITY 6Mbps

Date: 24.FEB.2006 06:59:43



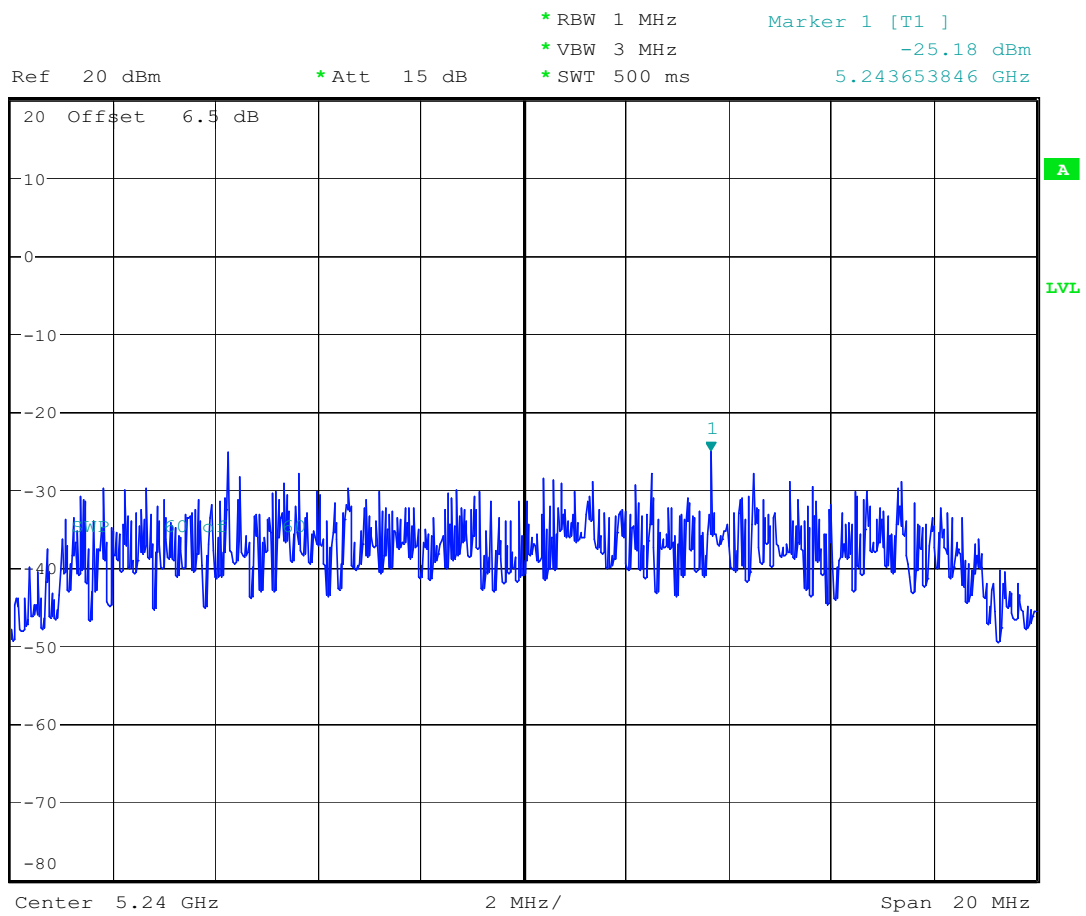
11A CH48 PEAK POWER SPECTRAL DENSITY 18Mbps

Date: 24.FEB.2006 05:54:44



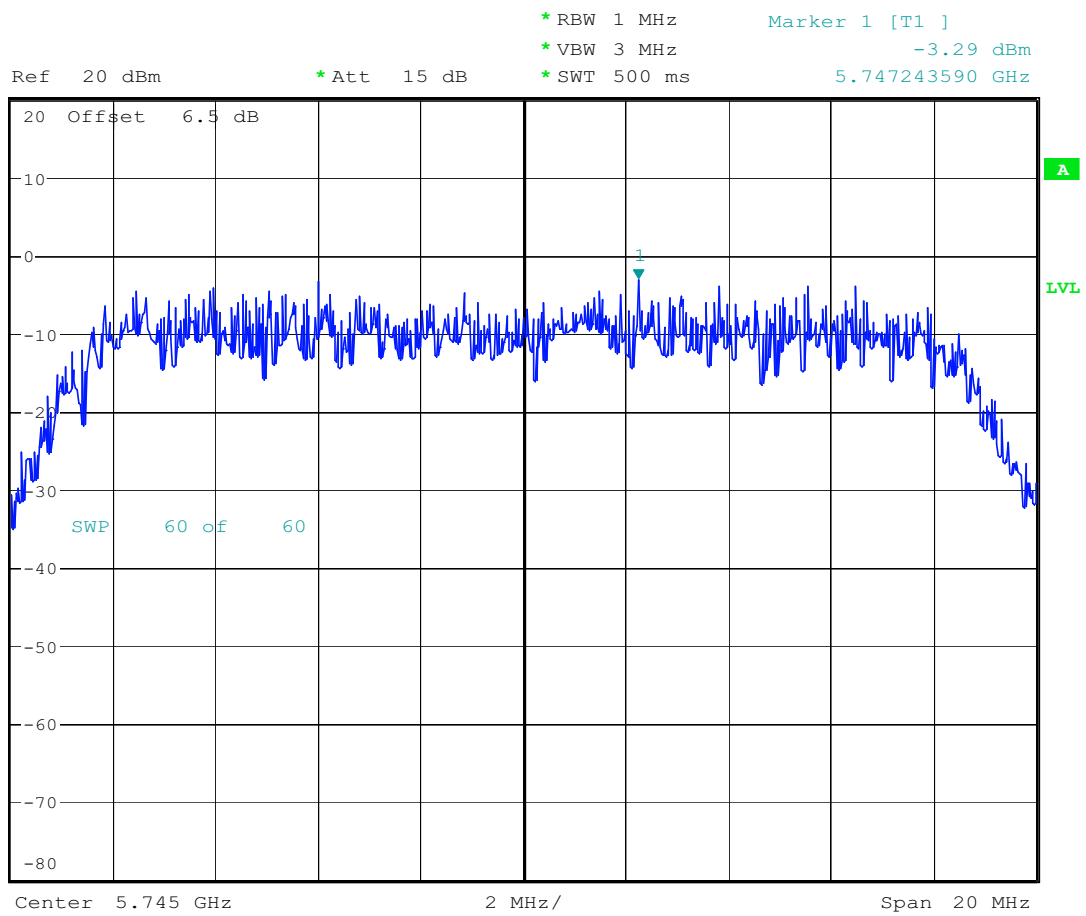
11A CH48 PEAK POWER SPECTRAL DENSITY 36Mbps

Date: 24.FEB.2006 05:46:58



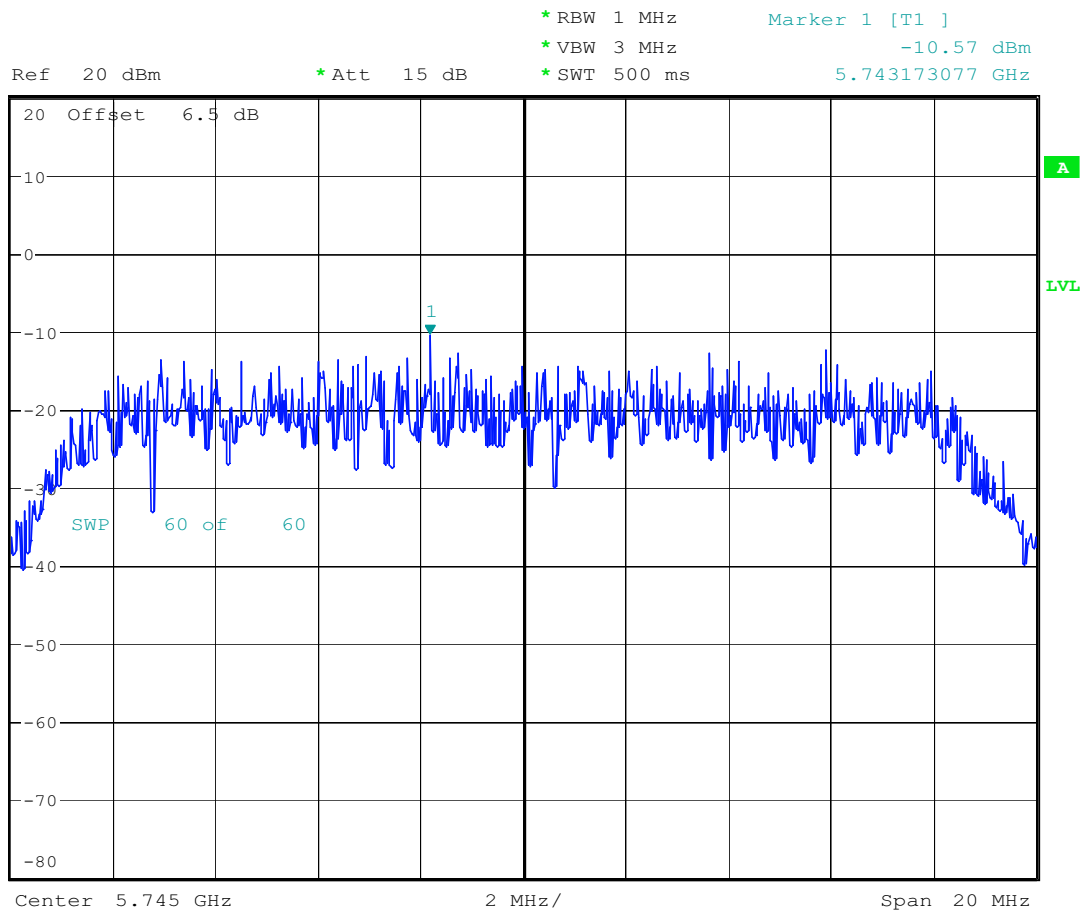
11A CH48 PEAK POWER SPECTRAL DENSITY 54Mbps

Date: 24.FEB.2006 05:36:11



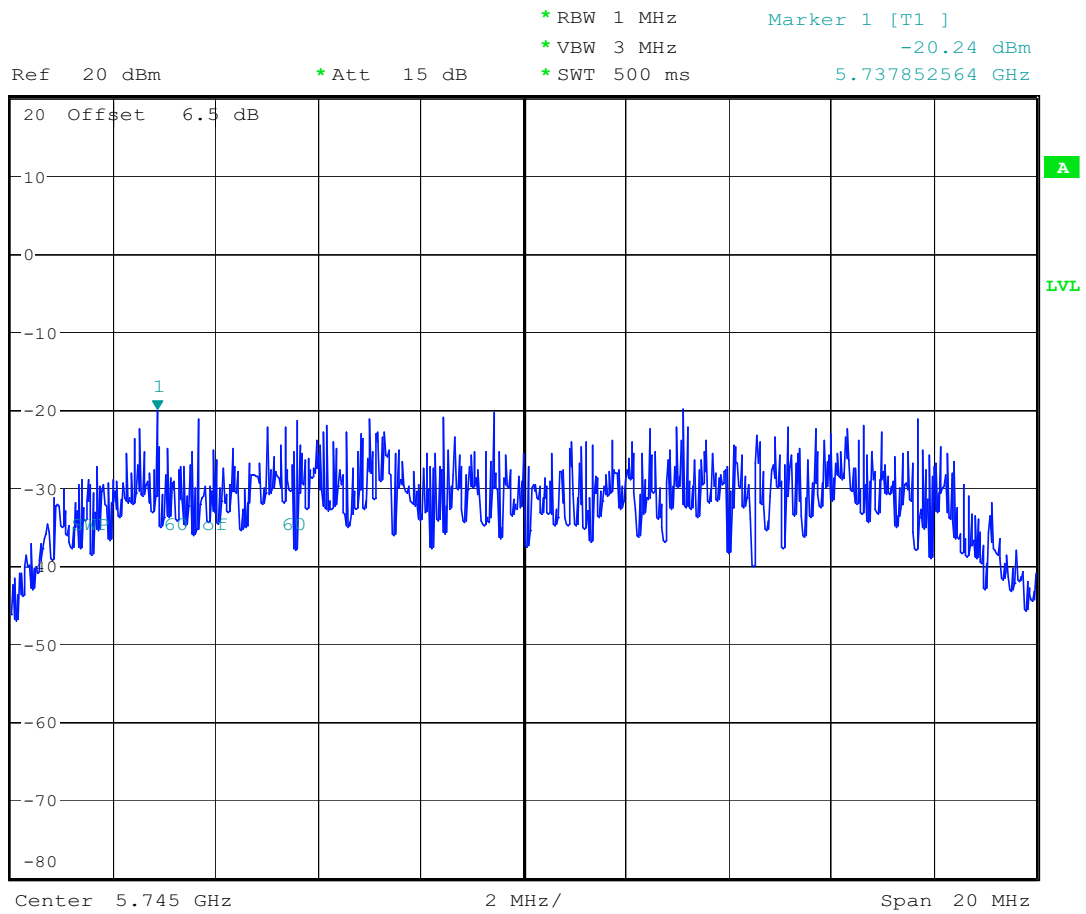
11A CH149 PEAK POWER SPECTRAL DENSITY 6Mbps

Date: 24.FEB.2006 06:03:14



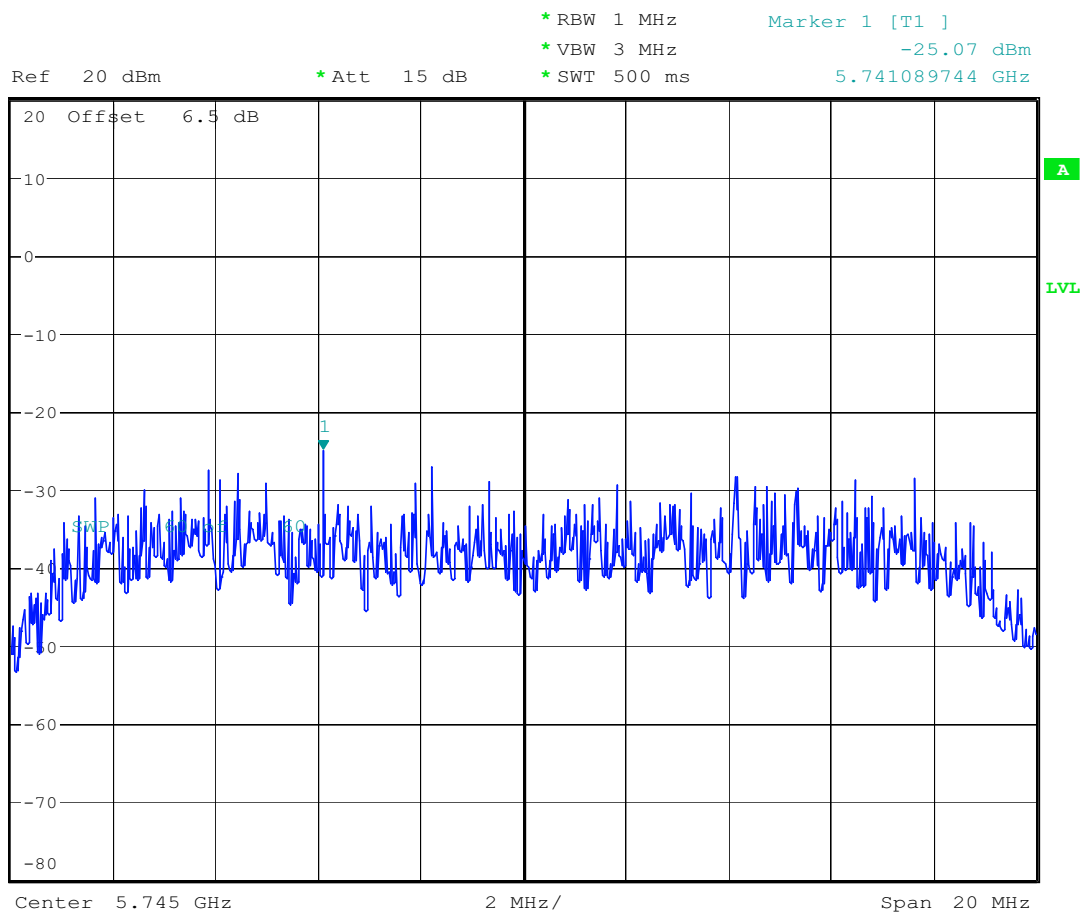
11A CH149 PEAK POWER SPECTRAL DENSITY 18Mbps

Date: 24.FEB.2006 06:04:58



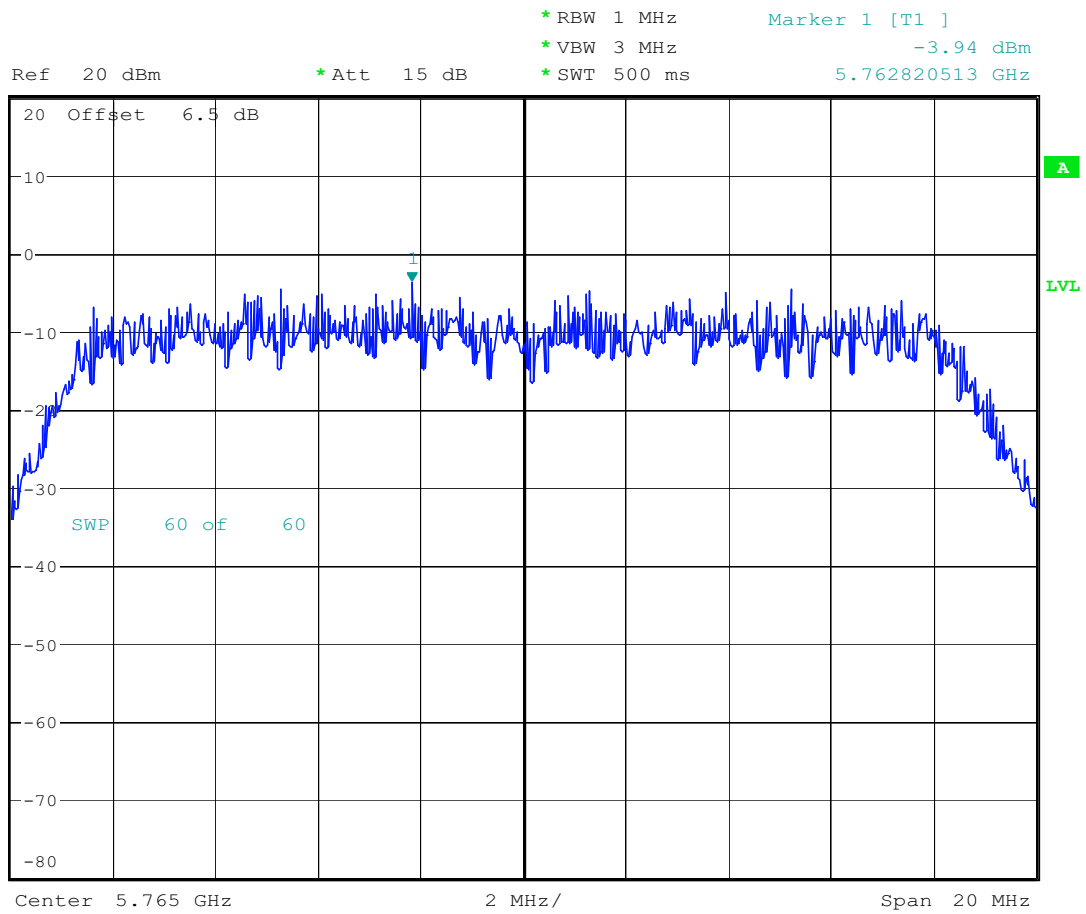
11A CH149 PEAK POWER SPECTRAL DENSITY 36Mbps

Date: 24.FEB.2006 06:06:42



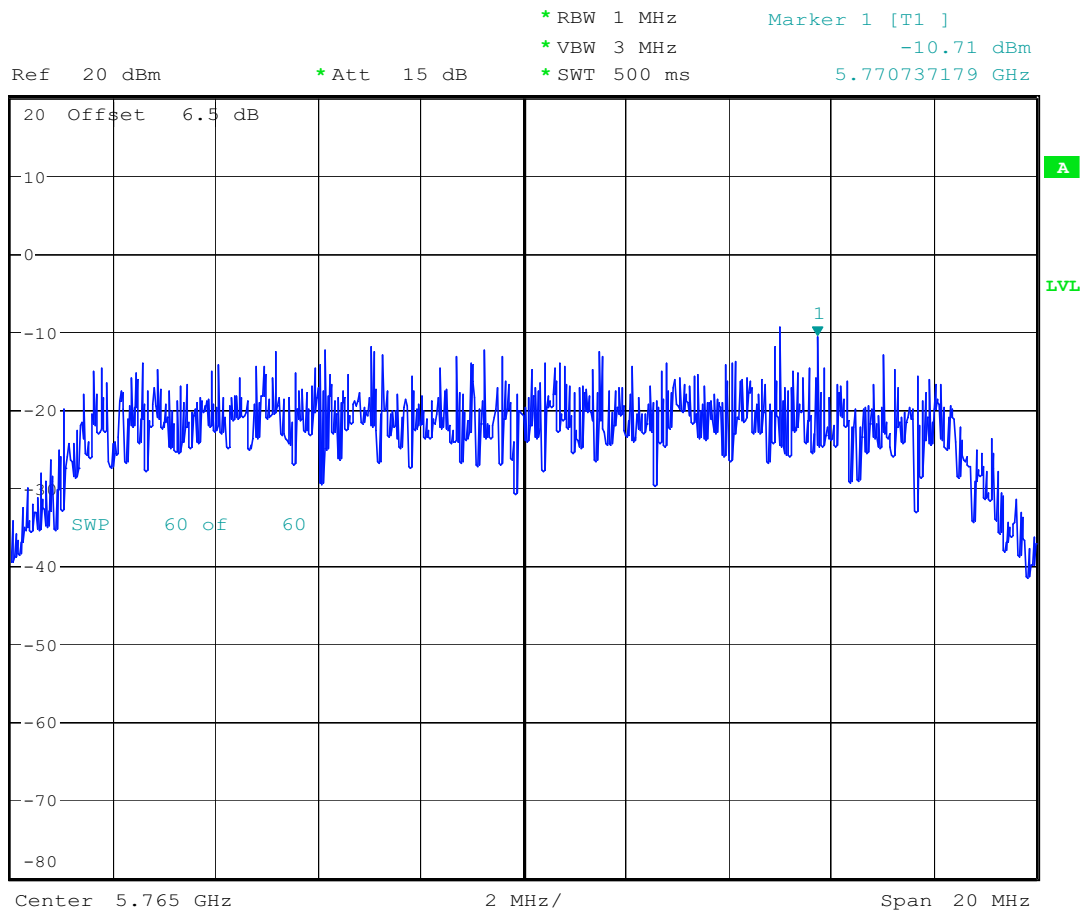
11A CH149 PEAK POWER SPECTRAL DENSITY 54Mbps

Date: 24.FEB.2006 06:09:11



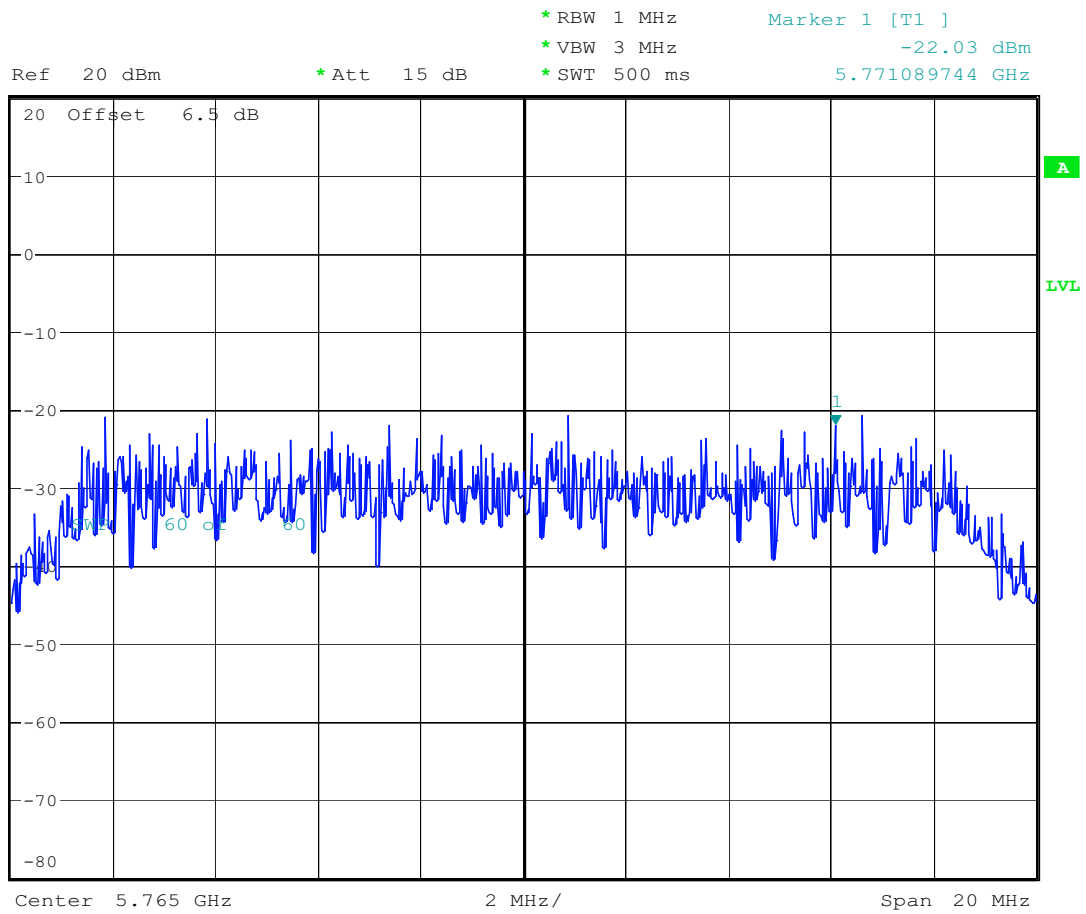
11A CH153 PEAK POWER SPECTRAL DENSITY 6Mbps

Date: 24.FEB.2006 06:35:05



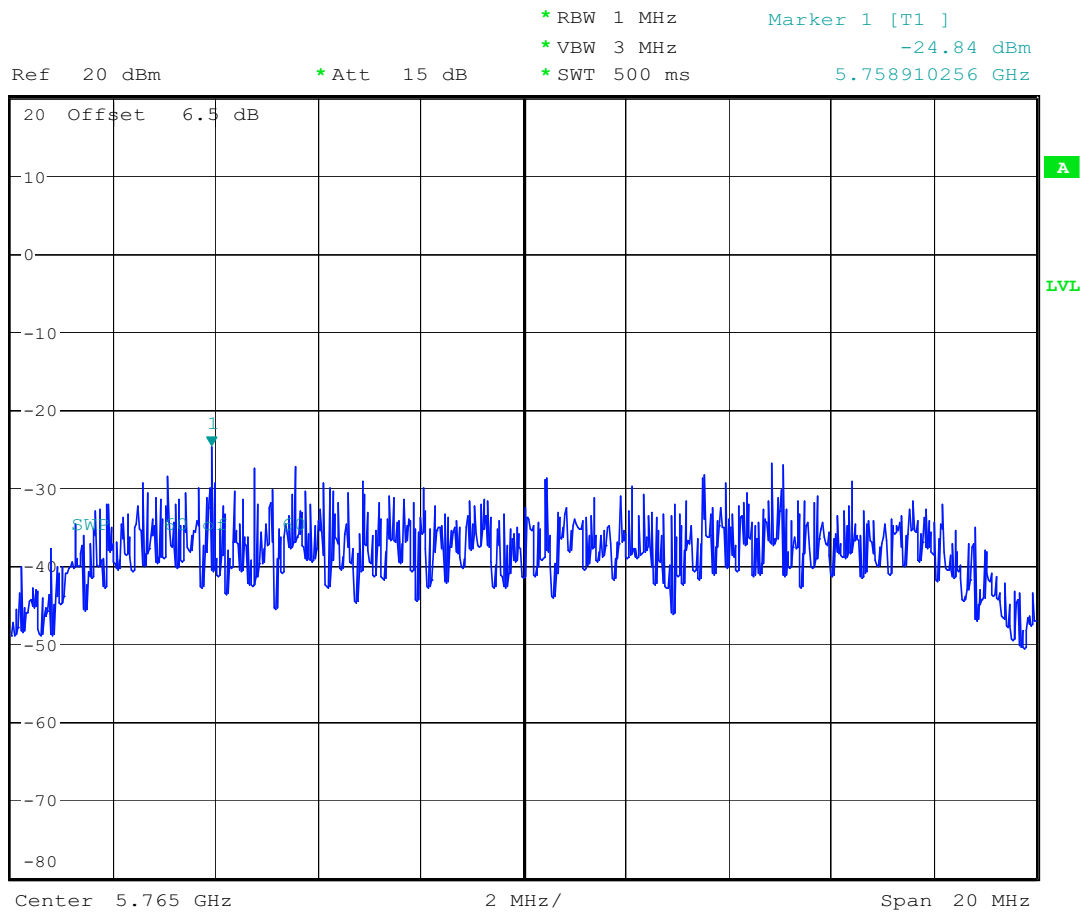
11A CH153 PEAK POWER SPECTRAL DENSITY 18Mbps

Date: 24.FEB.2006 06:30:32



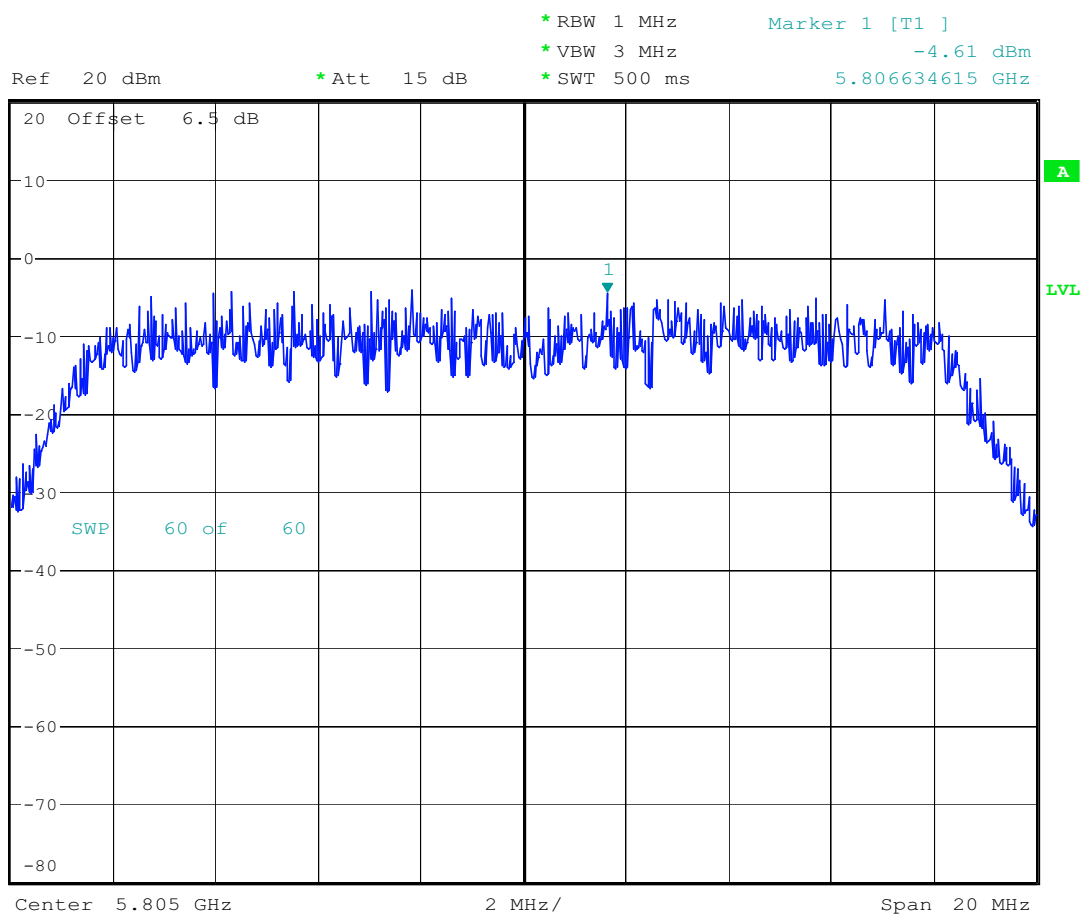
11A CH153 PEAK POWER SPECTRAL DENSITY 36Mbps

Date: 24.FEB.2006 06:20:10

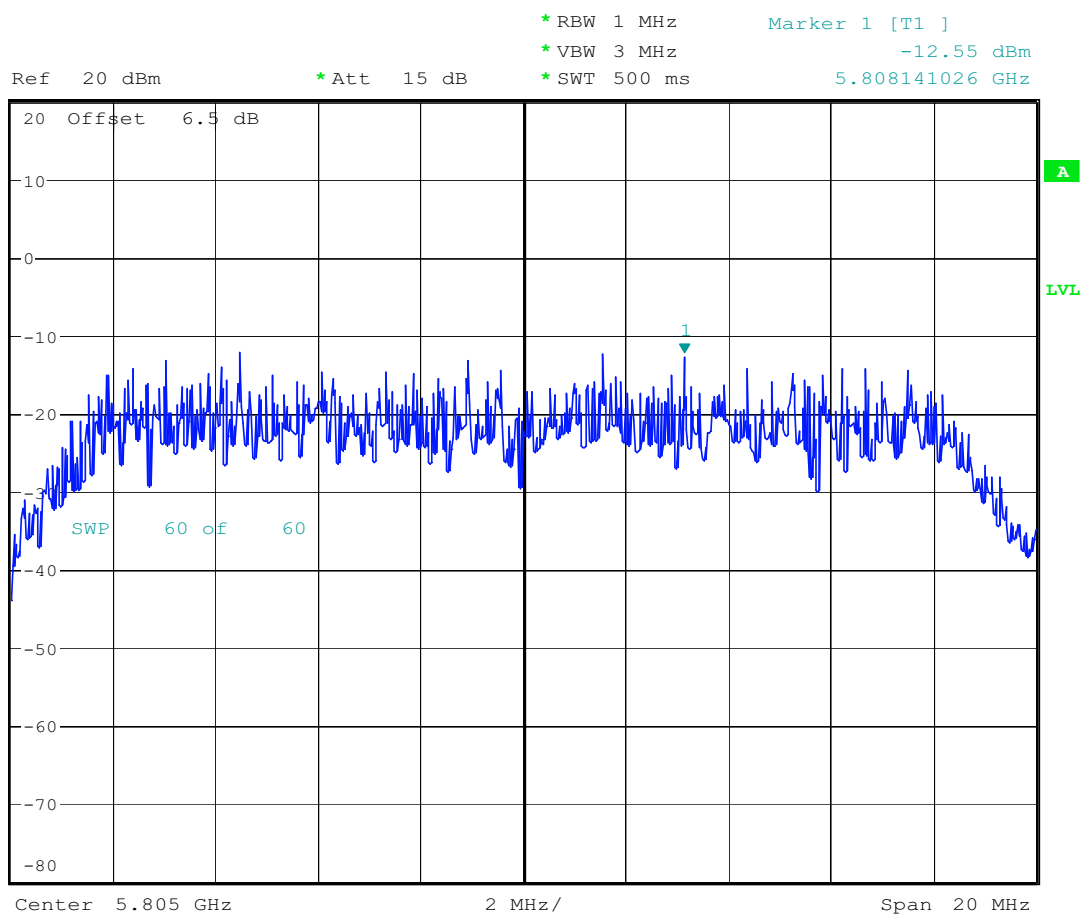


11A CH153 PEAK POWER SPECTRAL DENSITY 54Mbps

Date: 24.FEB.2006 06:17:07

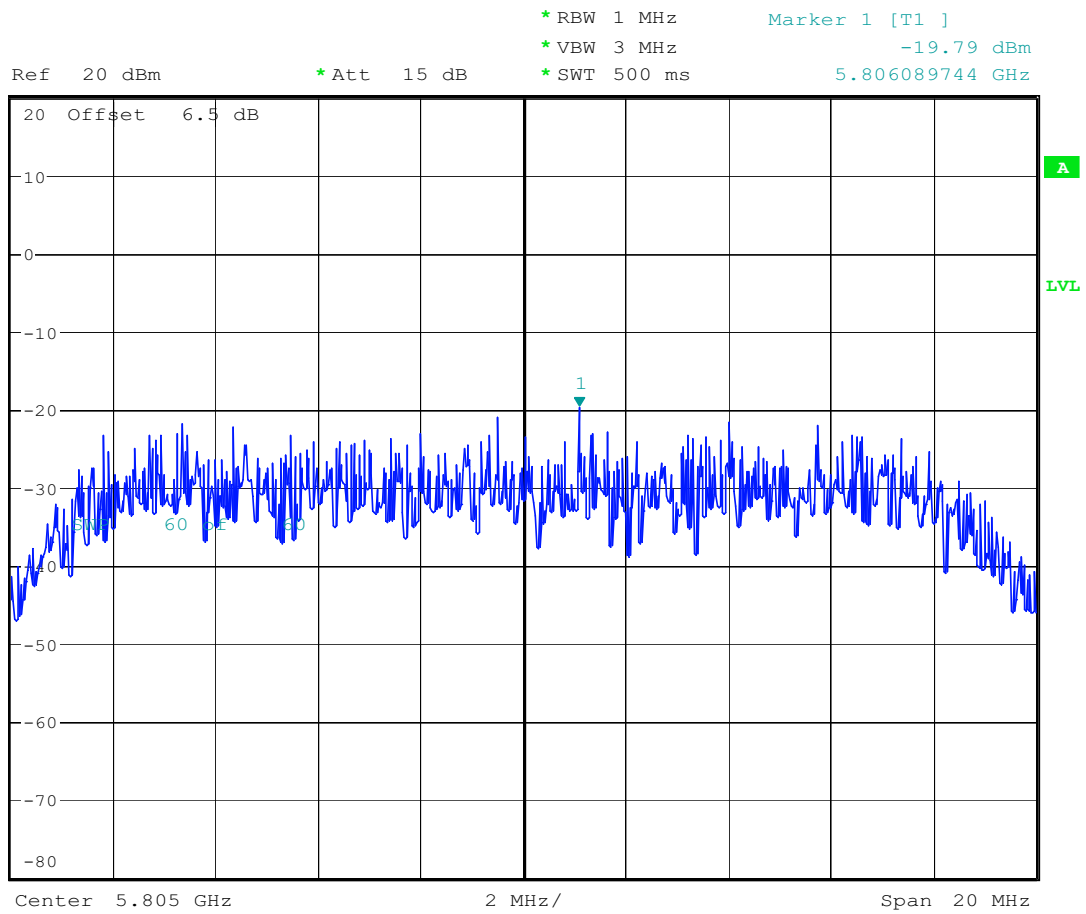


Date: 24.FEB.2006 06:37:23



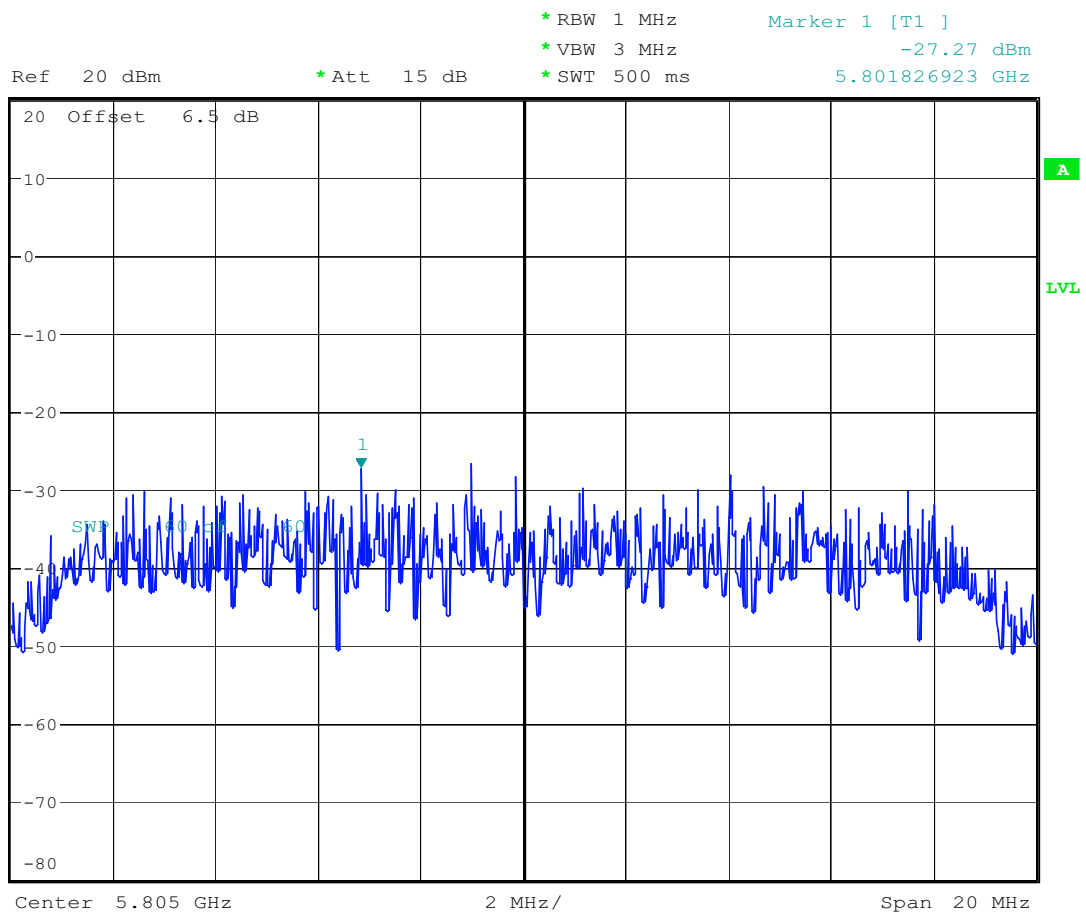
11A CH161 PEAK POWER SPECTRAL DENSITY 18Mbps

Date: 24.FEB.2006 06:40:21



11A CH161 PEAK POWER SPECTRAL DENSITY 36Mbps

Date: 24.FEB.2006 06:45:08



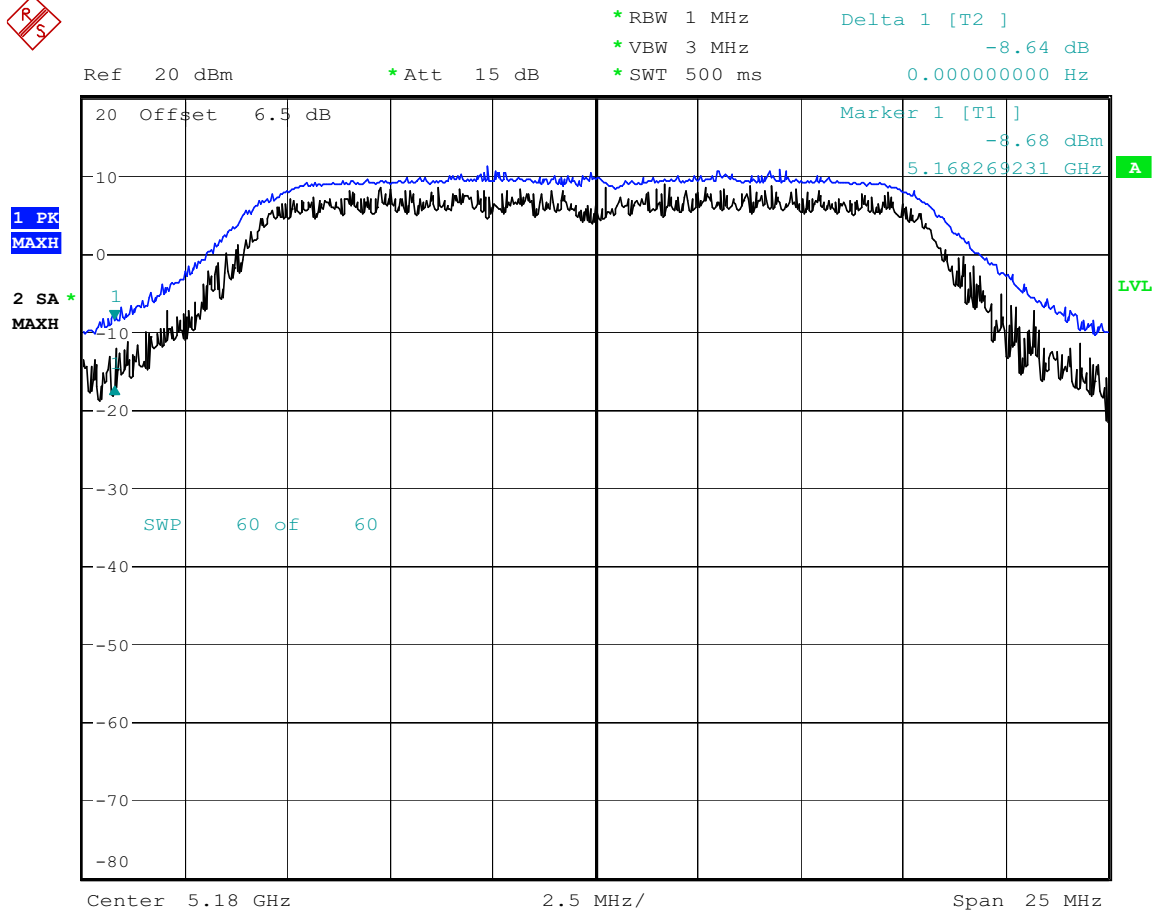
11A CH161 PEAK POWER SPECTRAL DENSITY 54Mbps

Date: 24.FEB.2006 06:47:59



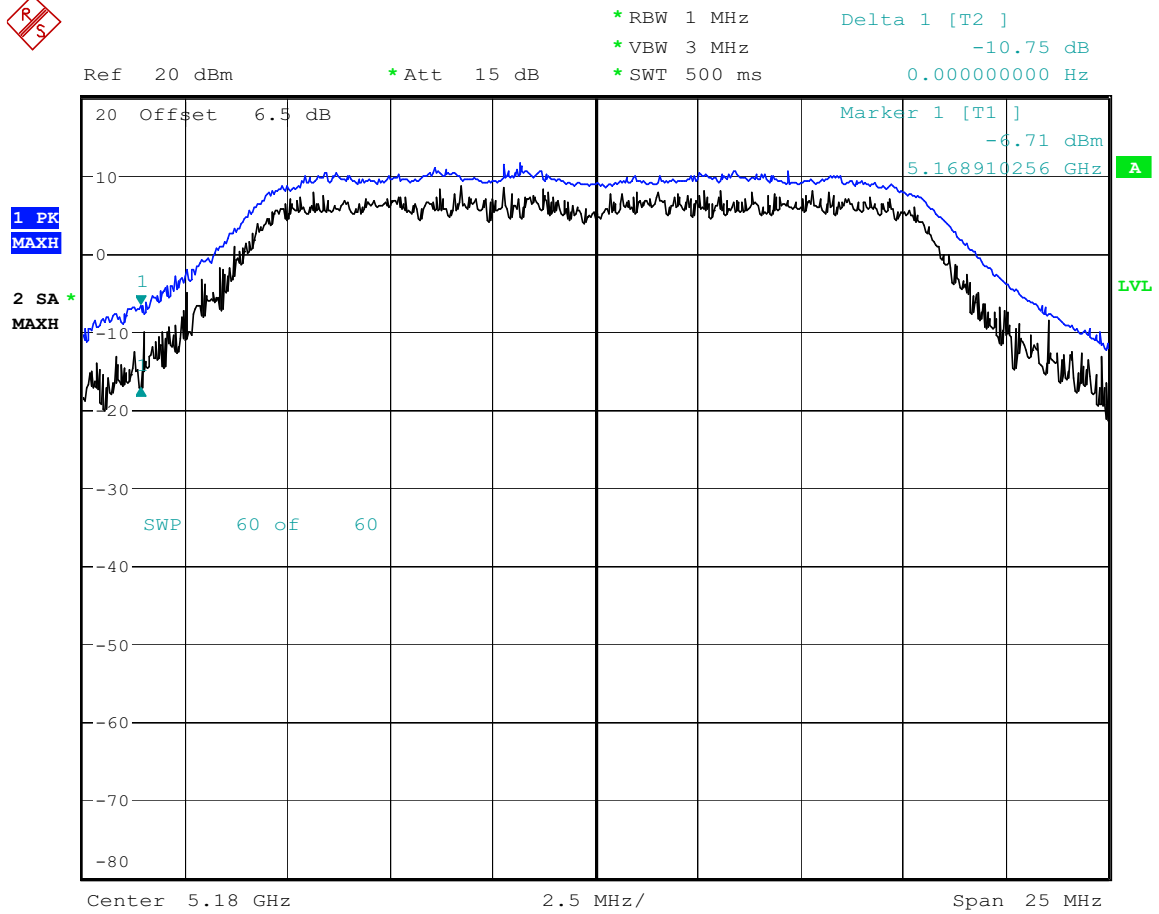
Appendix D

Ratio of Peak Excursion of the modulation envelope



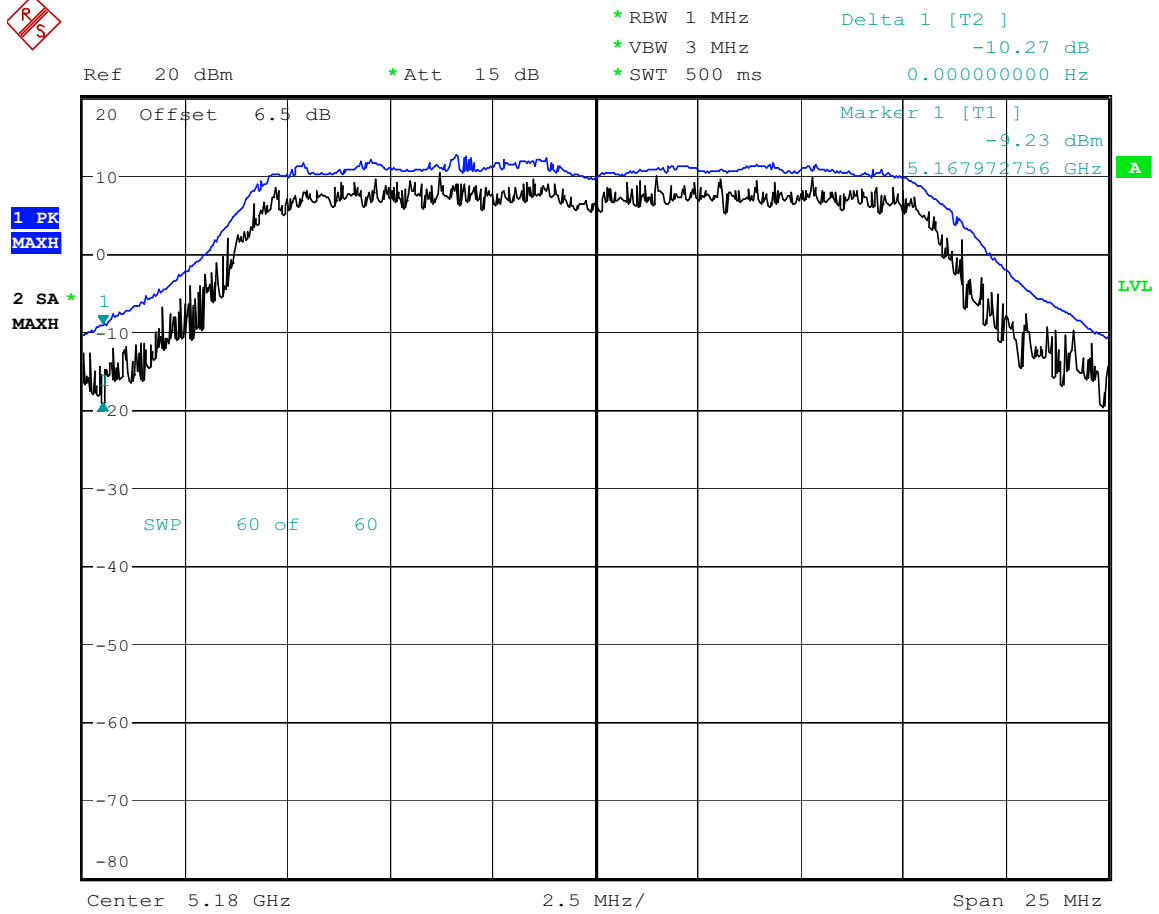
11A CH36 PEAK POWER EXCURSION 6Mbps

Date: 18.FEB.2006 09:53:38



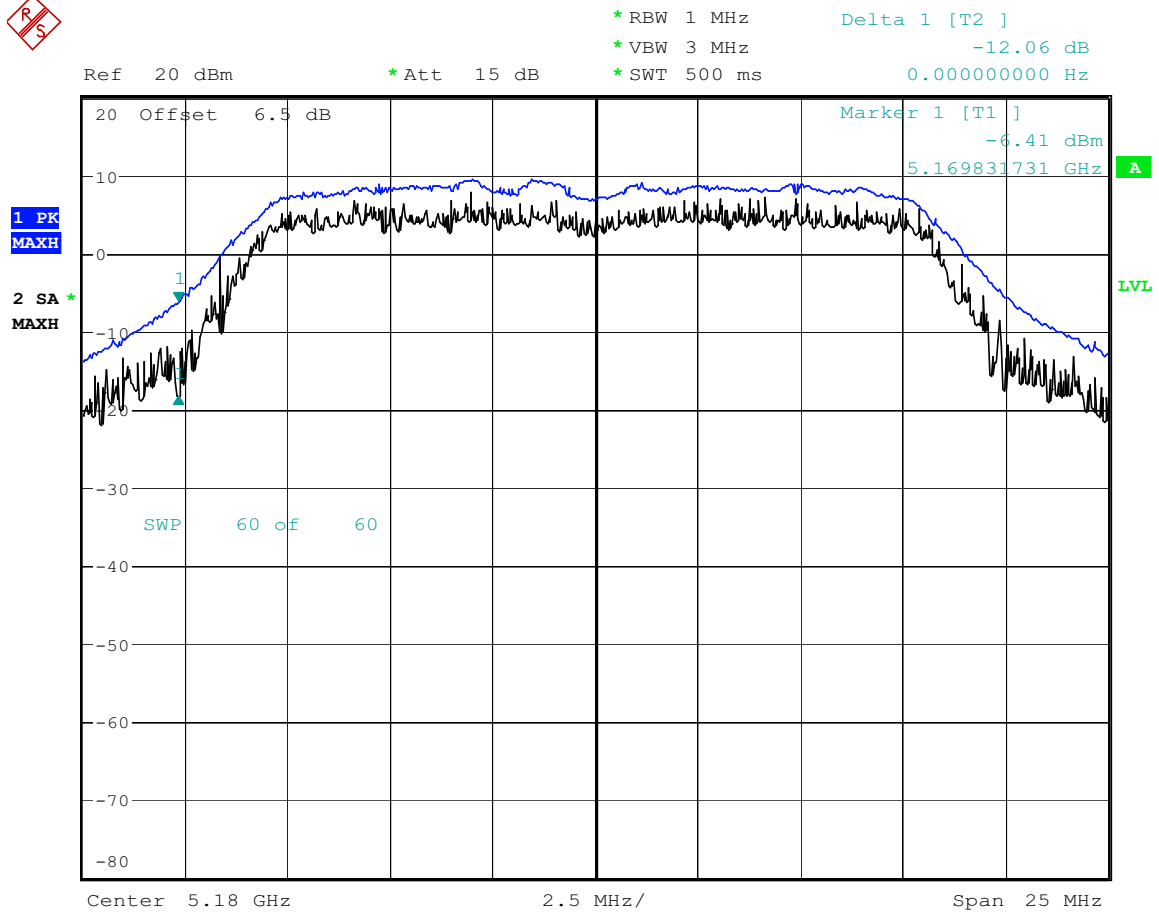
11A CH36 PEAK POWER EXCURSION 18Mbps

Date: 18.FEB.2006 09:50:17



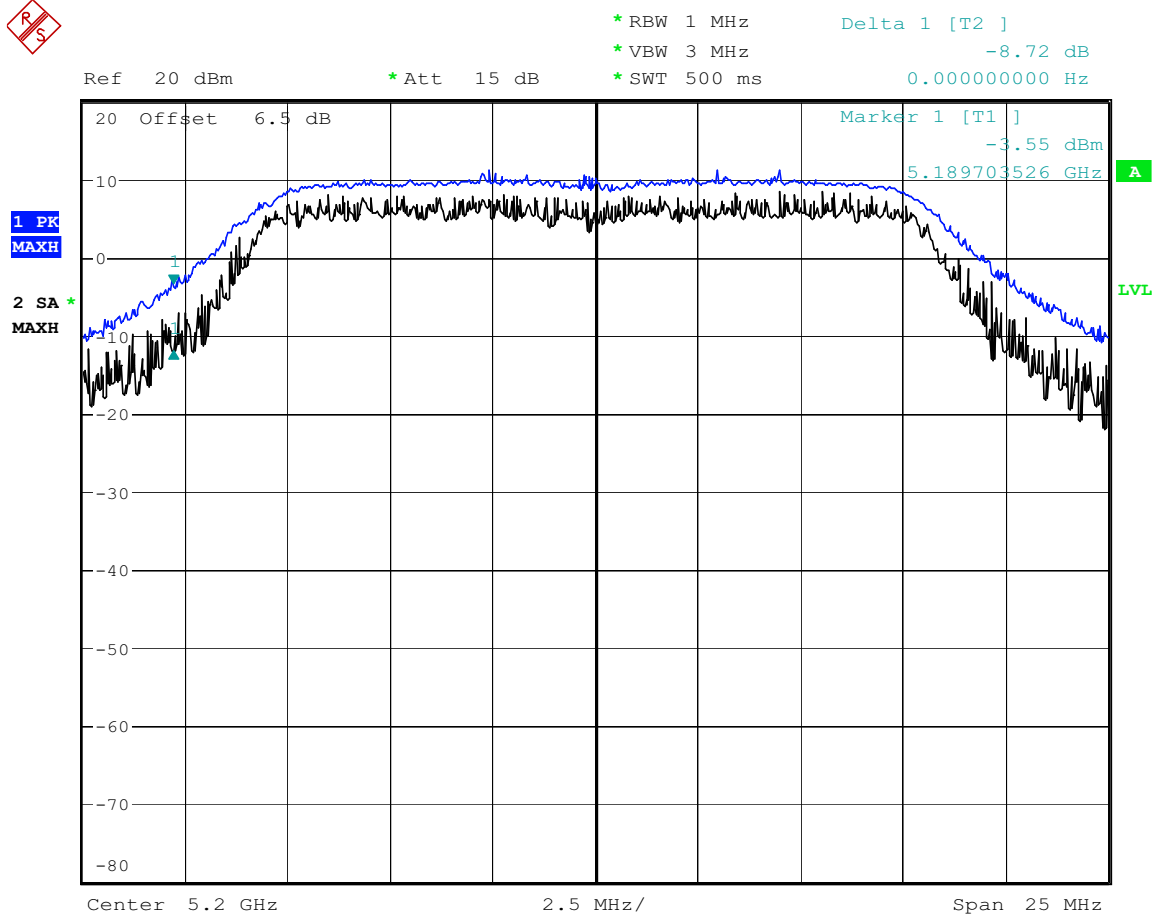
11A CH36 PEAK POWER EXCURSION 36Mbps

Date: 24.FEB.2006 04:48:31



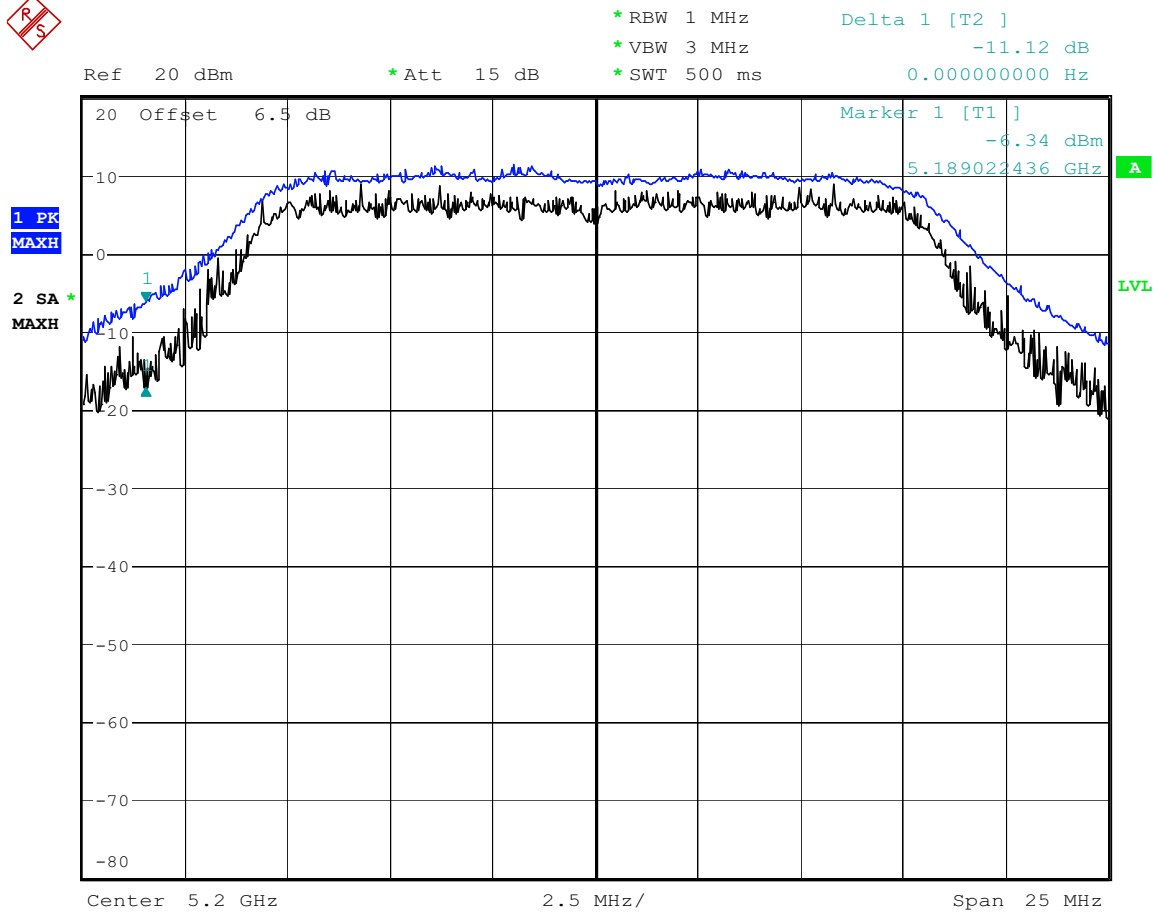
11A CH36 PEAK POWER EXCURSION 54Mbps

Date: 18.FEB.2006 09:44:04



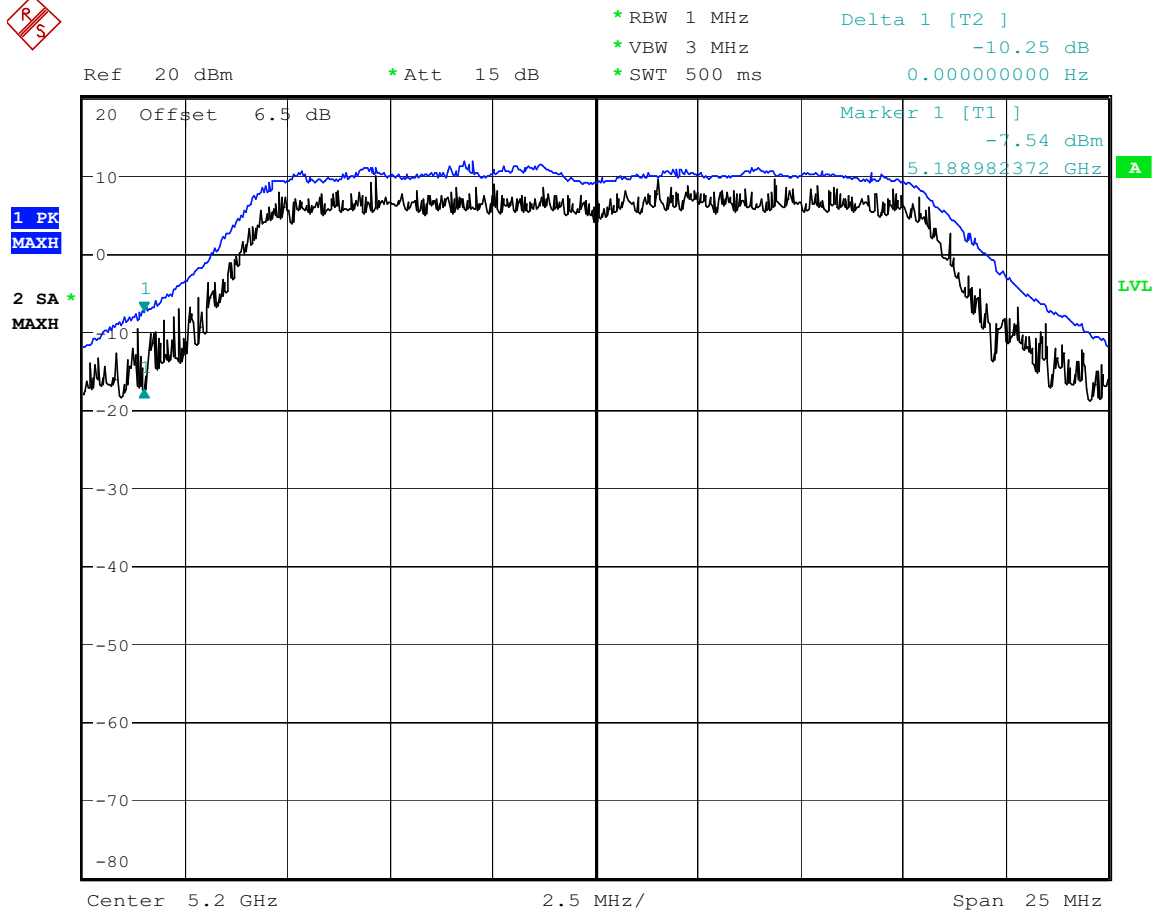
11A CH40 PEAK POWER EXCURSION 6Mbps

Date: 18.FEB.2006 09:31:54



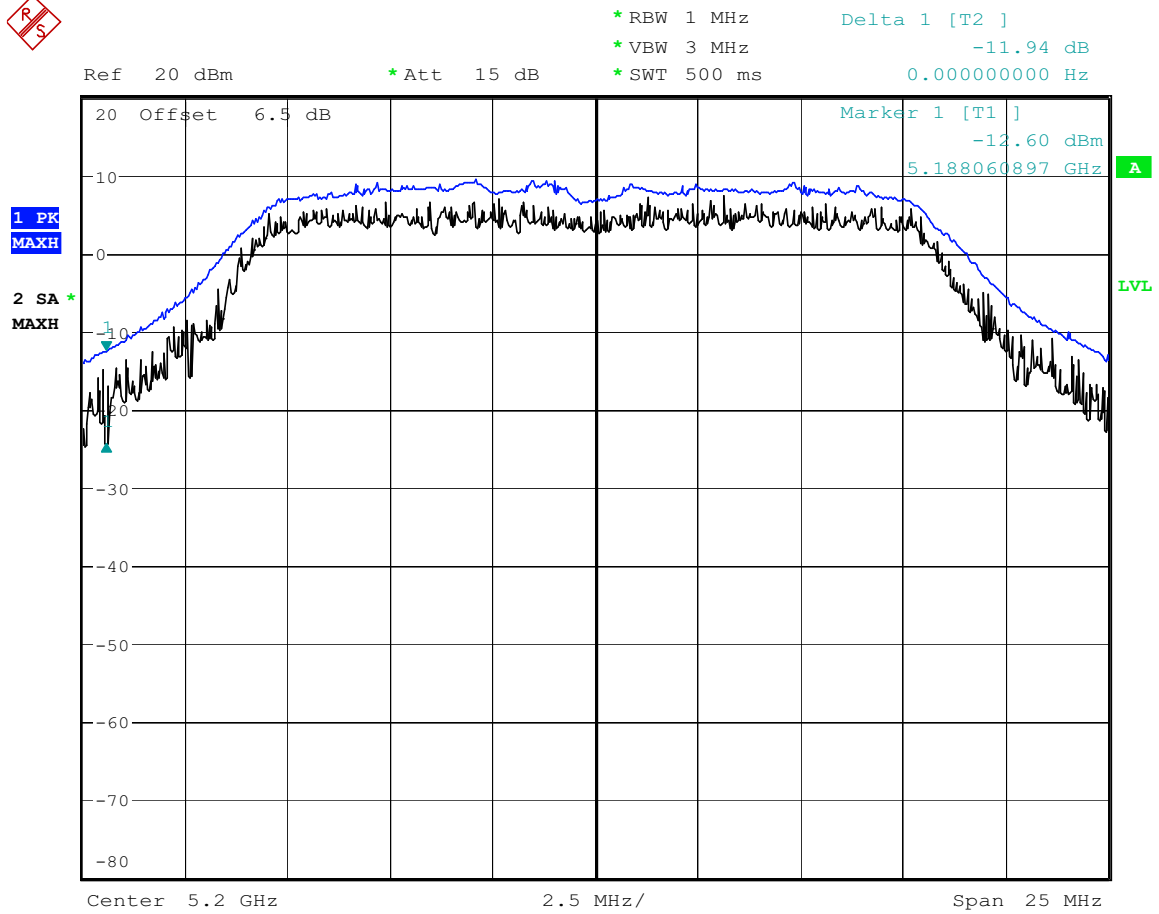
11A CH40 PEAK POWER EXCURSION 18Mbps

Date: 18.FEB.2006 09:36:12



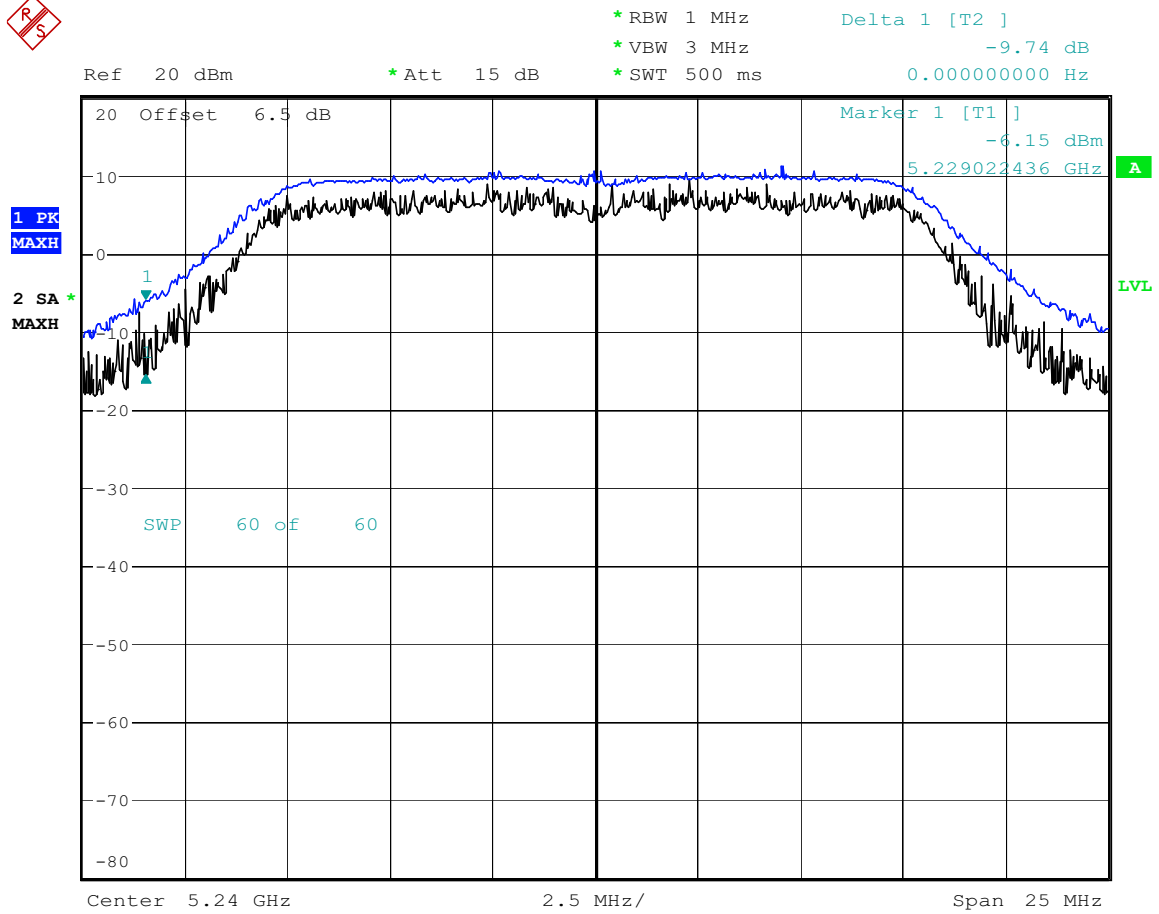
11A CH40 PEAK POWER EXCURSION 36Mbps

Date: 18.FEB.2006 09:38:38



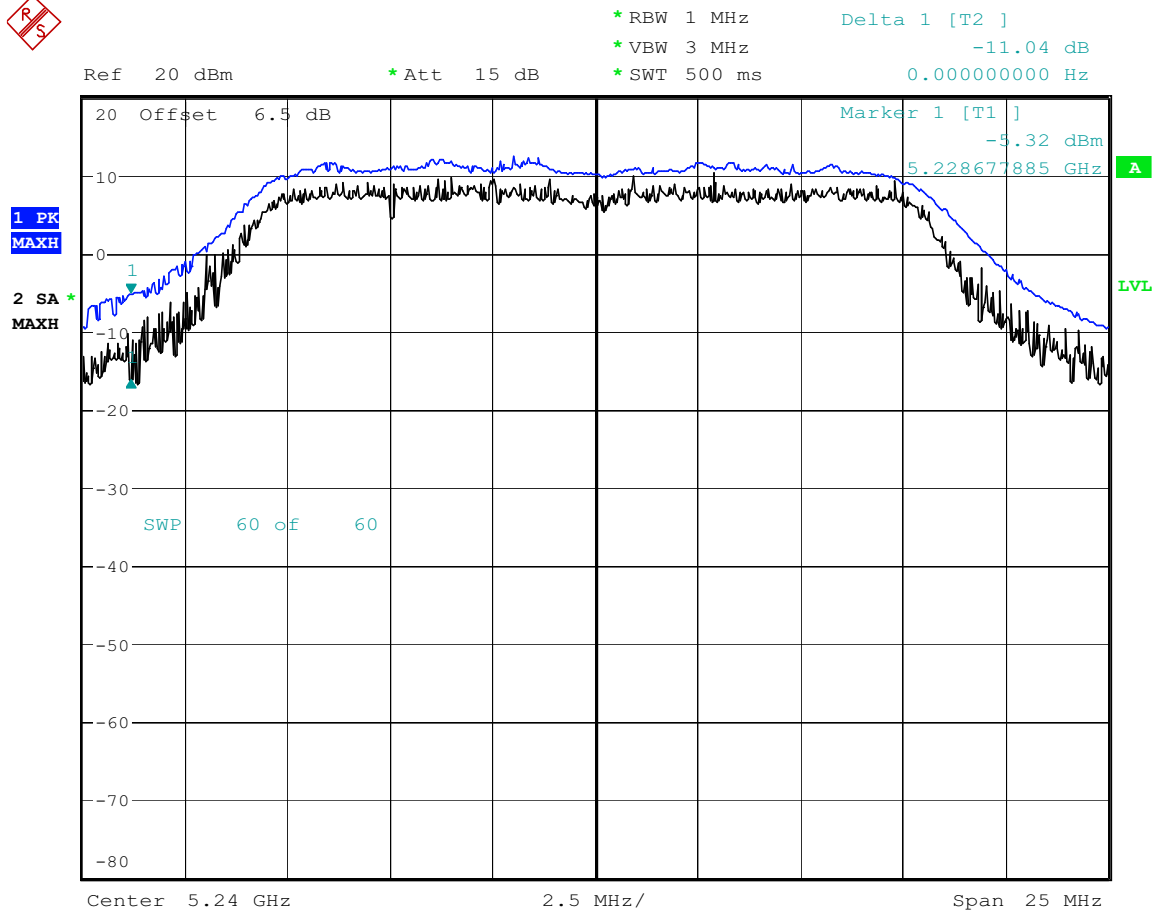
11A CH40 PEAK POWER EXCURSION 54Mbps

Date: 18.FEB.2006 09:41:29



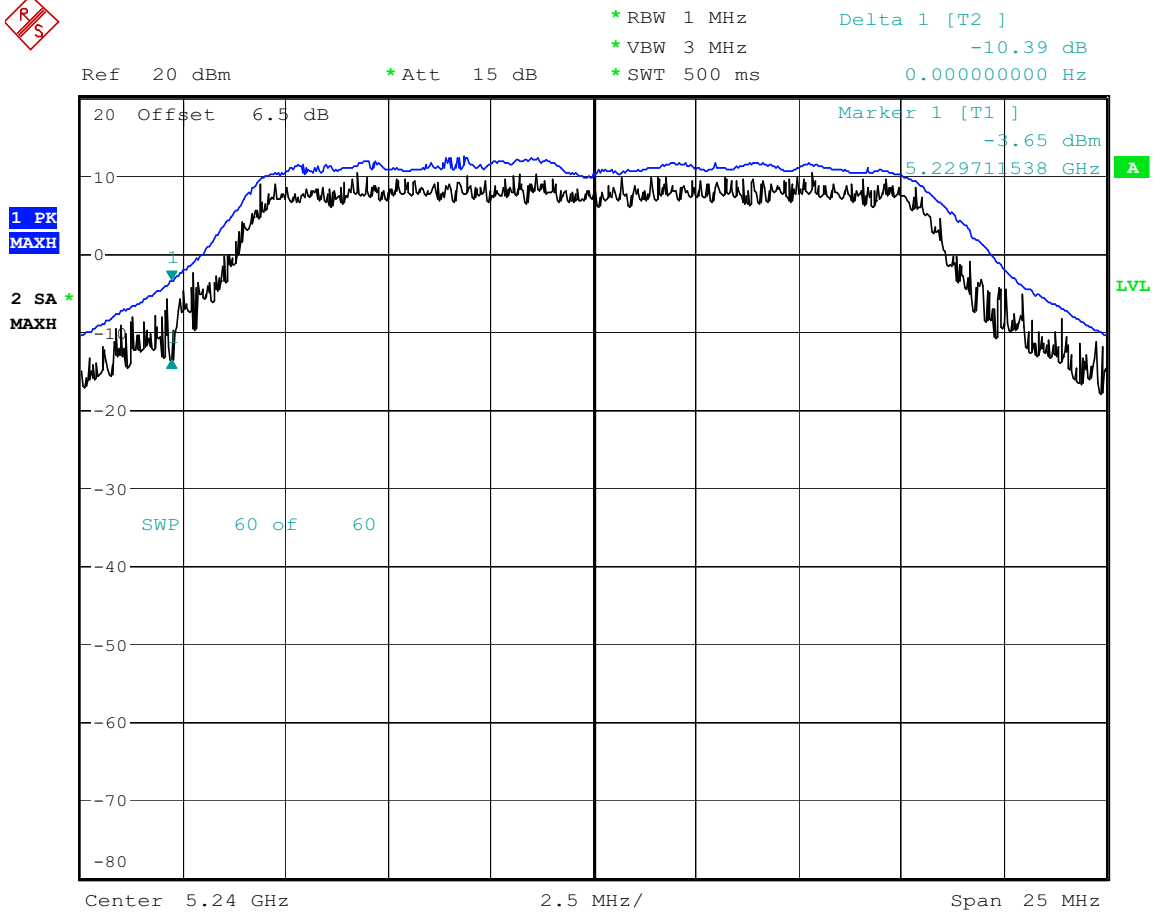
11A CH48 PEAK POWER EXCURSION 6Mbps

Date: 18.FEB.2006 09:29:56



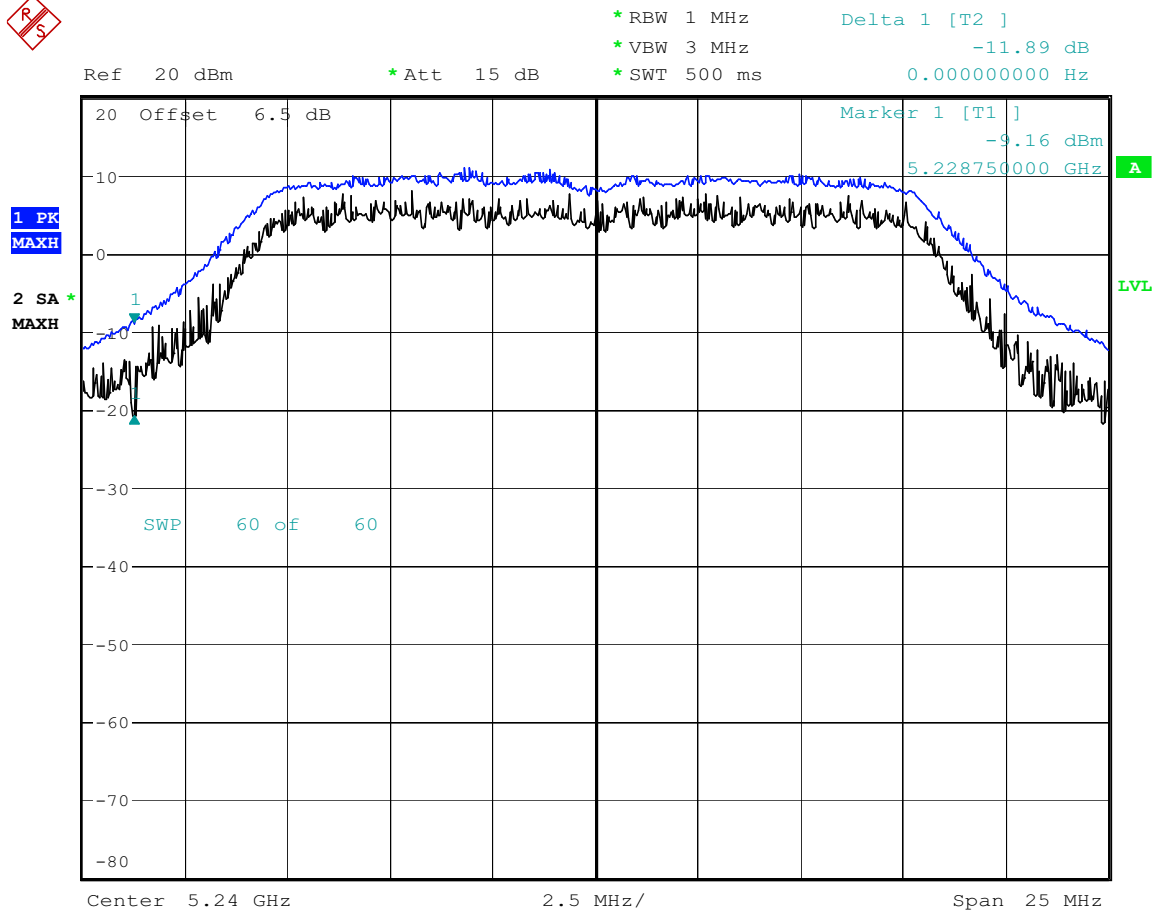
11A CH48 PEAK POWER EXCURSION 18Mbps

Date: 24.FEB.2006 05:57:37



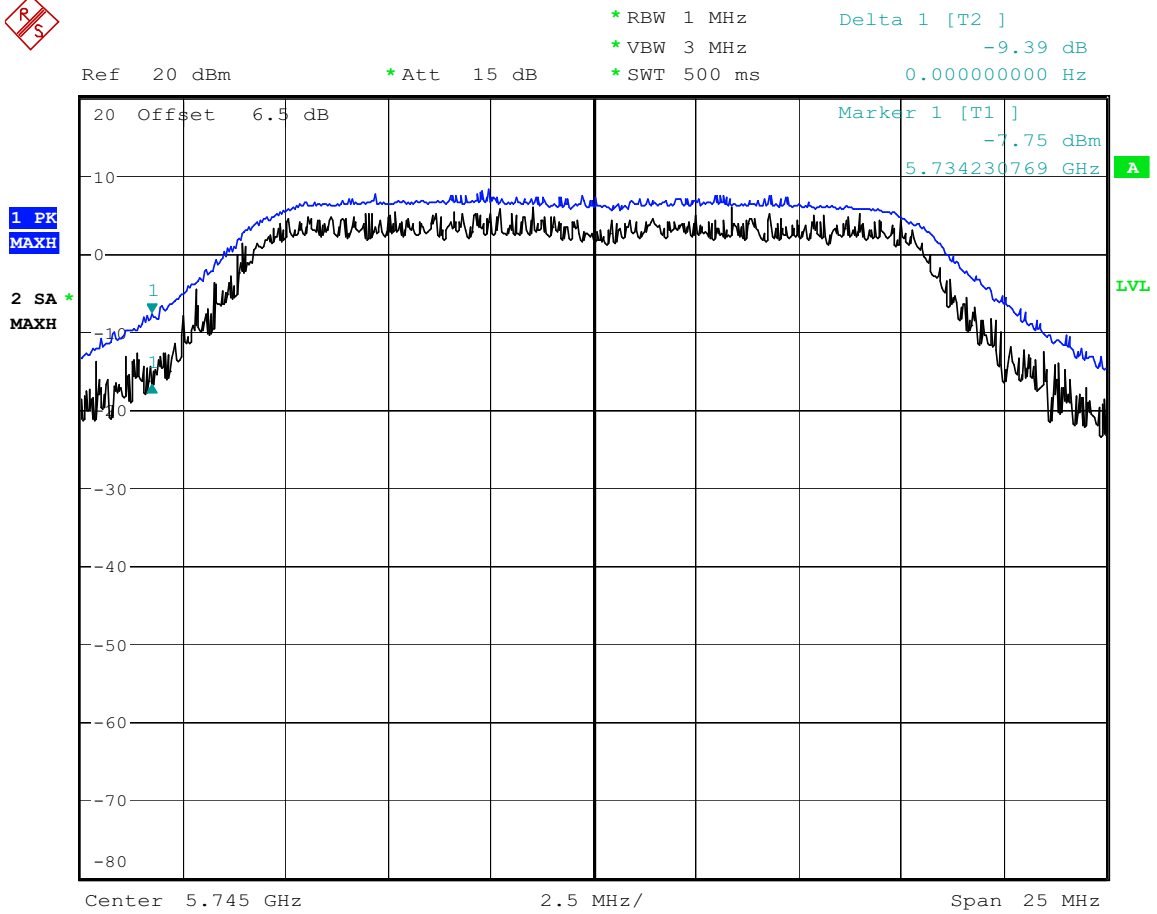
11A CH48 PEAK POWER EXCURSION 36Mbps

Date: 24.FEB.2006 05:44:45



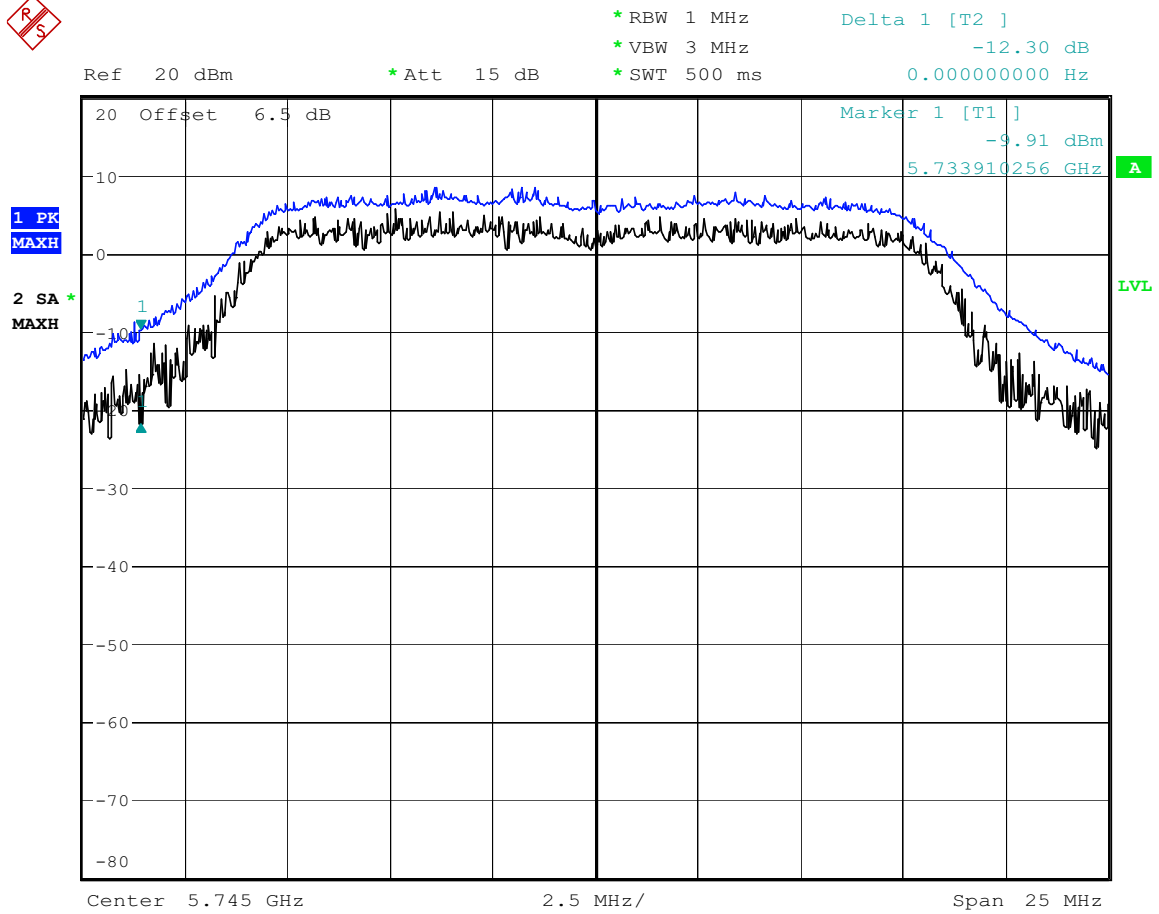
11A CH48 PEAK POWER EXCURSION 54Mbps

Date: 24.FEB.2006 05:38:22



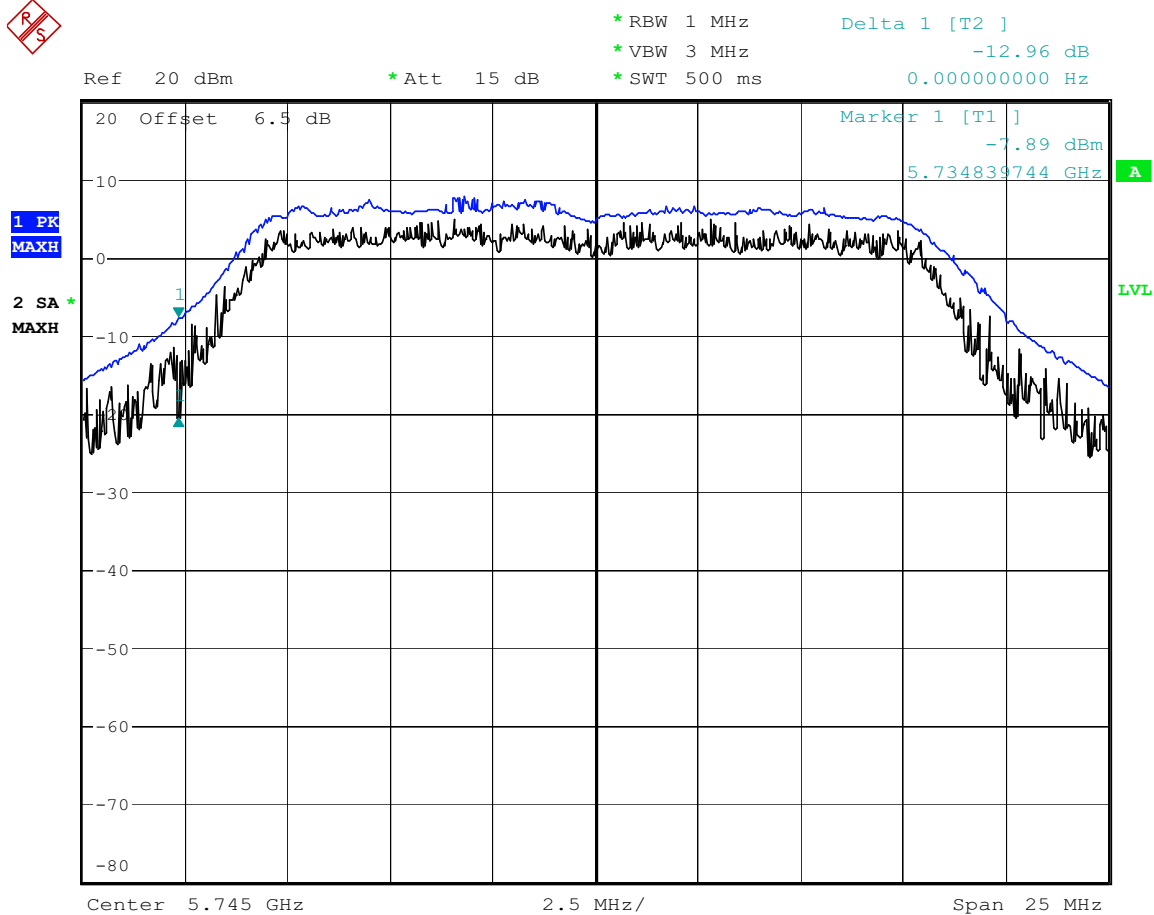
11A CH149 PEAK POWER EXCURSION 6Mbps

Date: 18.FEB.2006 12:20:49



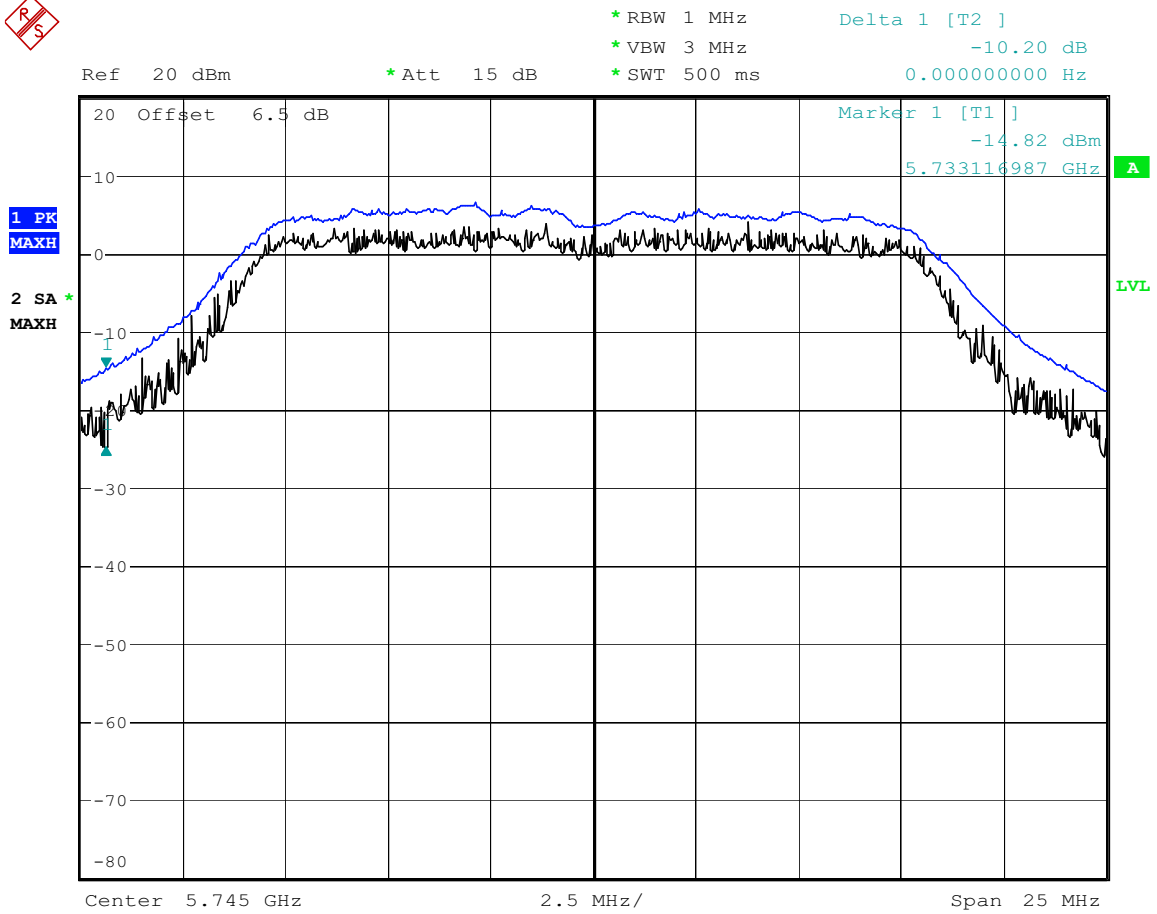
11A CH149 PEAK POWER EXCURSION 18Mbps

Date: 18.FEB.2006 12:23:18



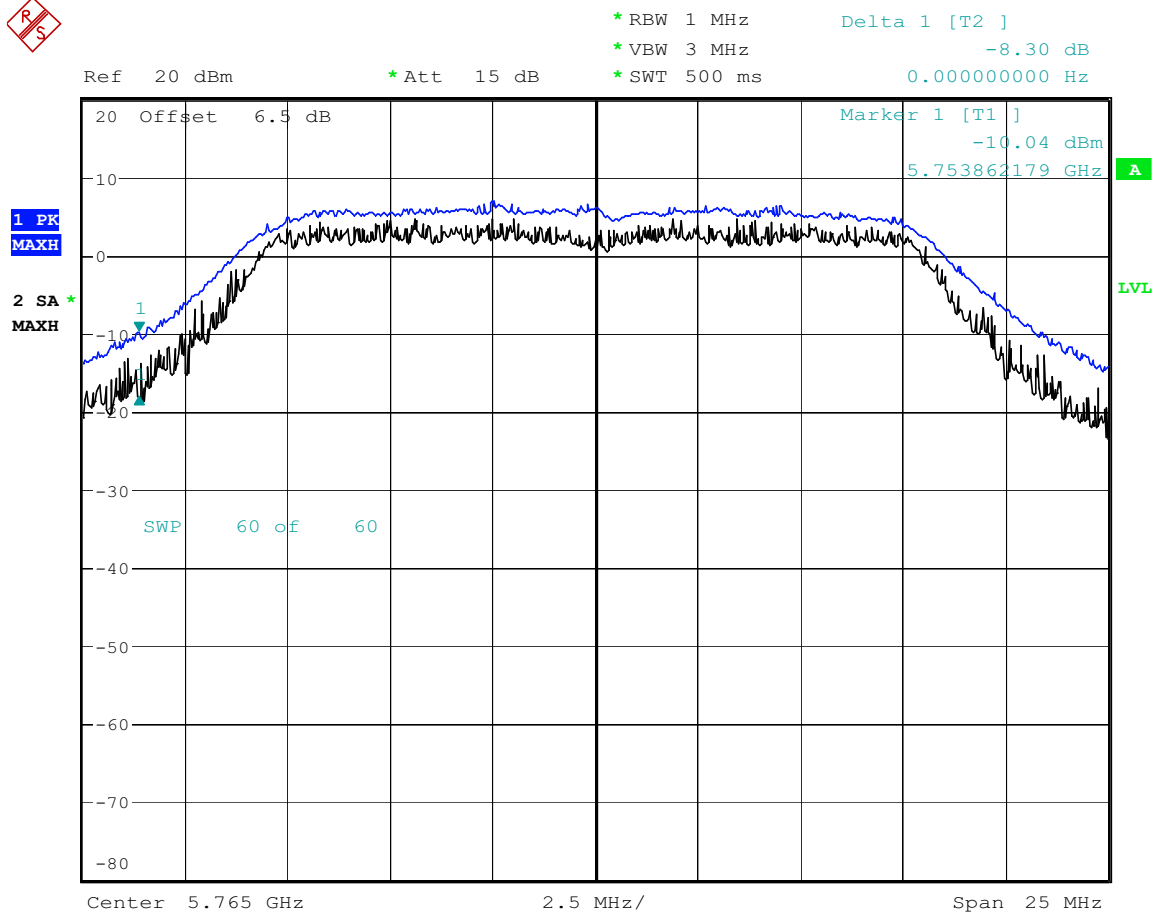
11A CH149 PEAK POWER EXCURSION 36Mbps

Date: 18.FEB.2006 12:42:03



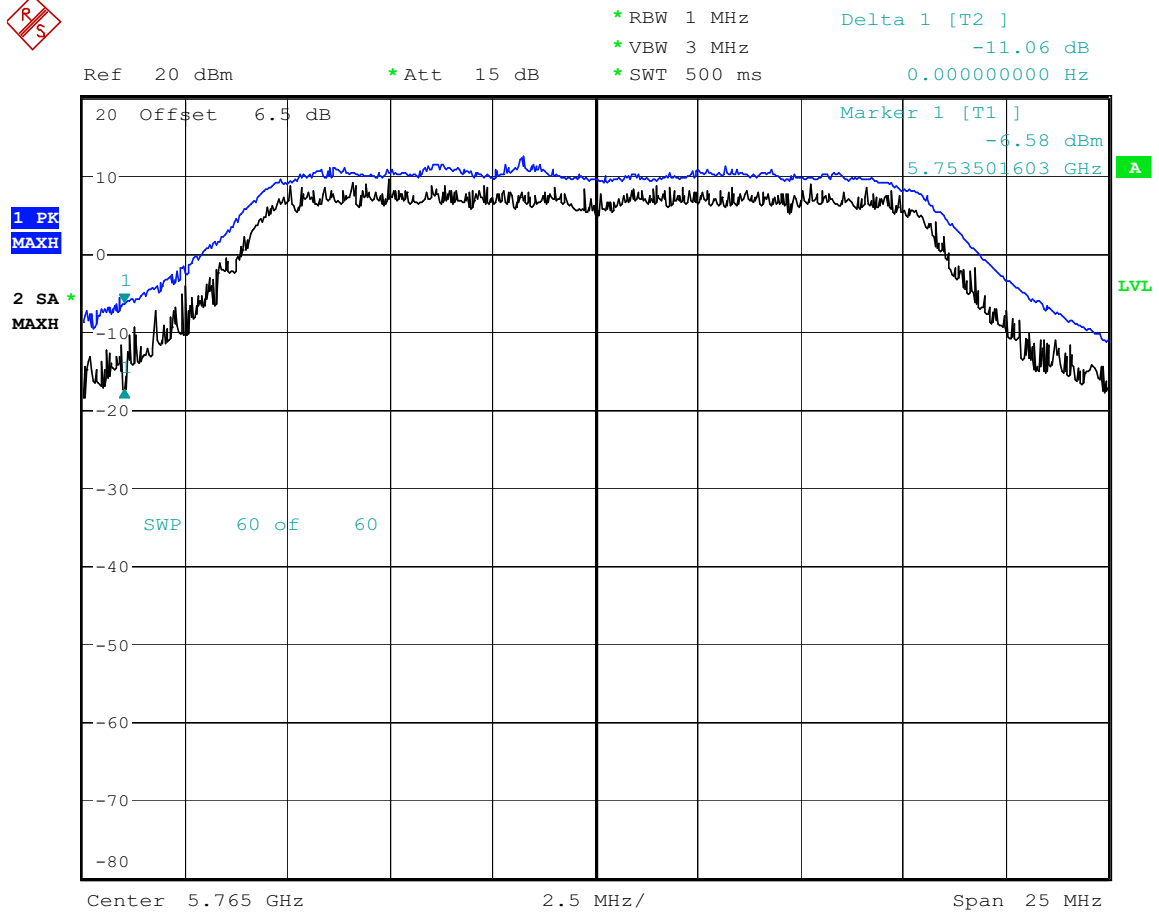
11A CH149 PEAK POWER EXCURSION 54Mbps

Date: 18.FEB.2006 12:46:44



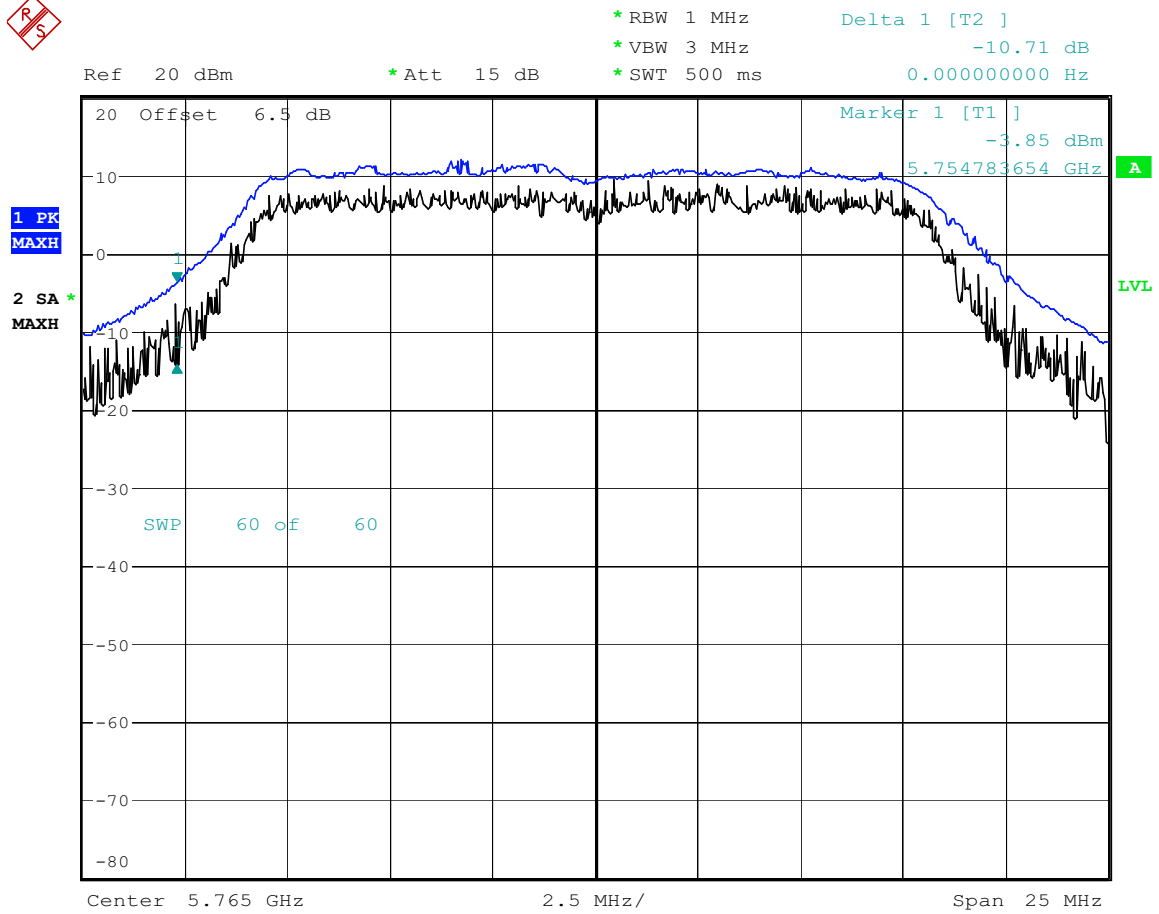
11A CH153 PEAK POWER EXCURSION 6Mbps

Date: 18.FEB.2006 14:36:12



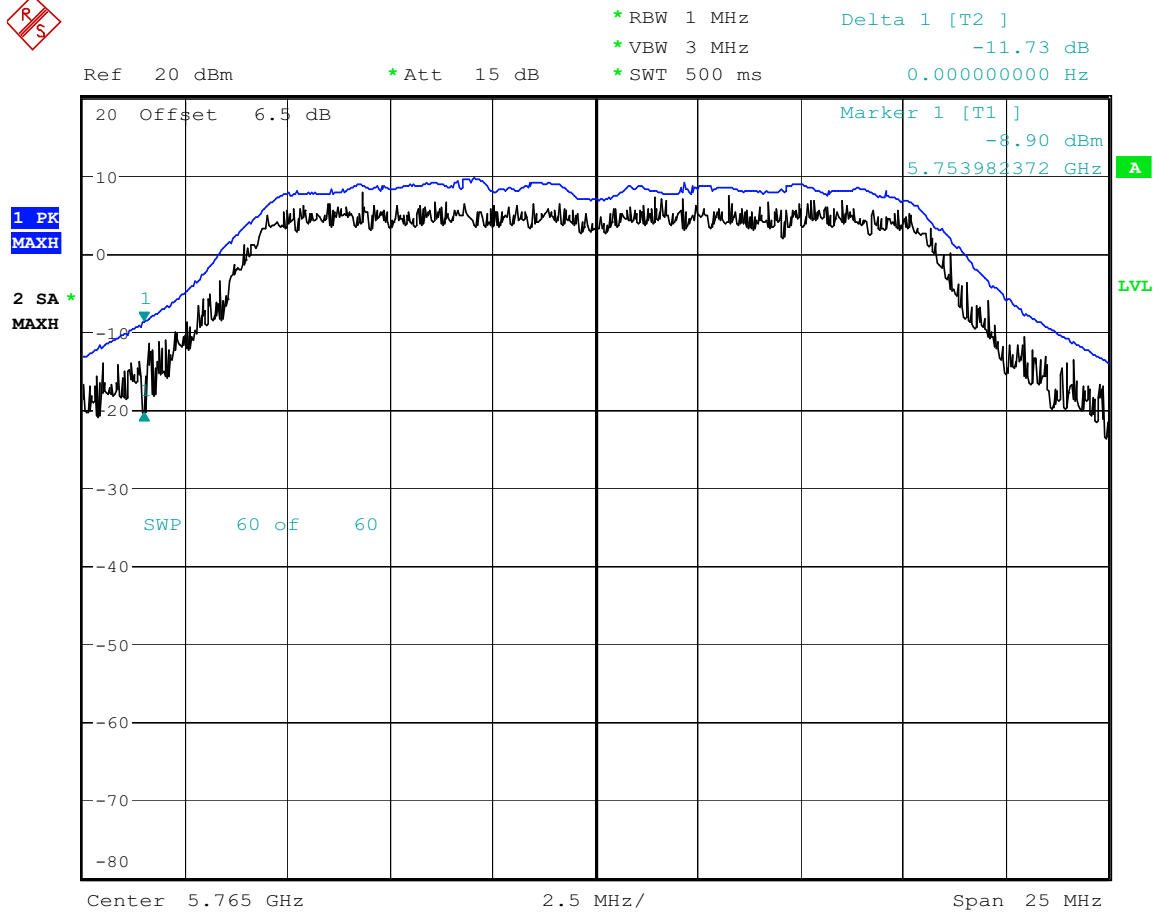
11A CH153 PEAK POWER EXCURSION 18Mbps

Date: 24.FEB.2006 06:26:53



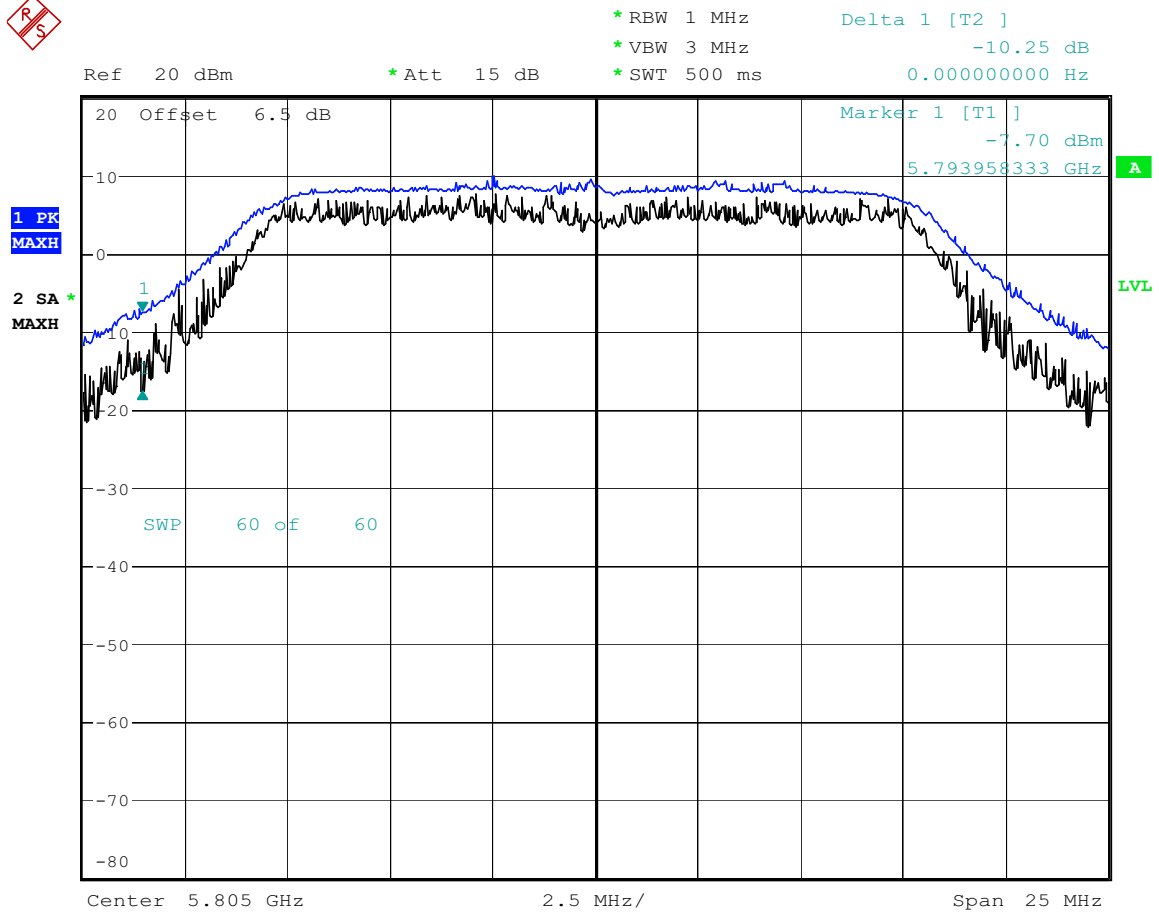
11A CH153 PEAK POWER EXCURSION 36Mbps

Date: 24.FEB.2006 06:23:23



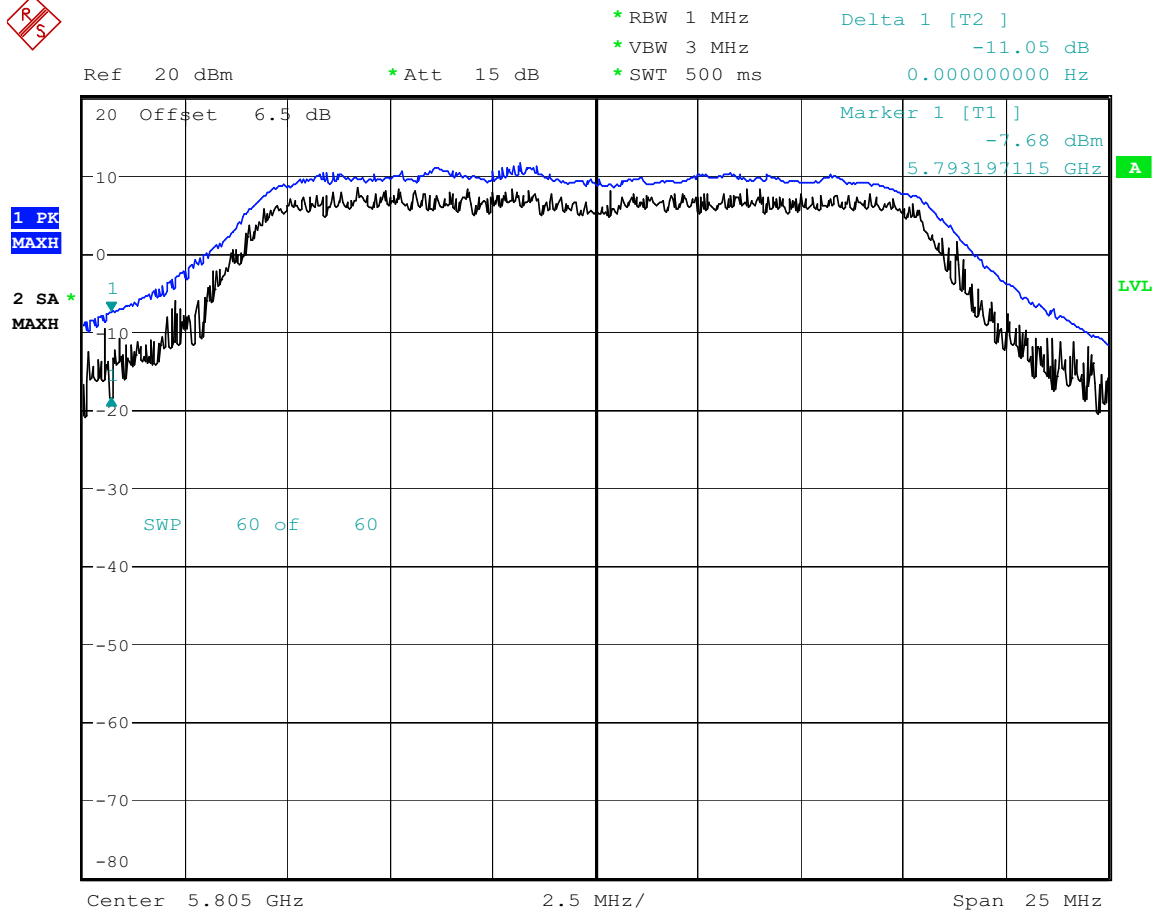
11A CH153 PEAK POWER EXCURSION 54Mbps

Date: 24.FEB.2006 06:13:59



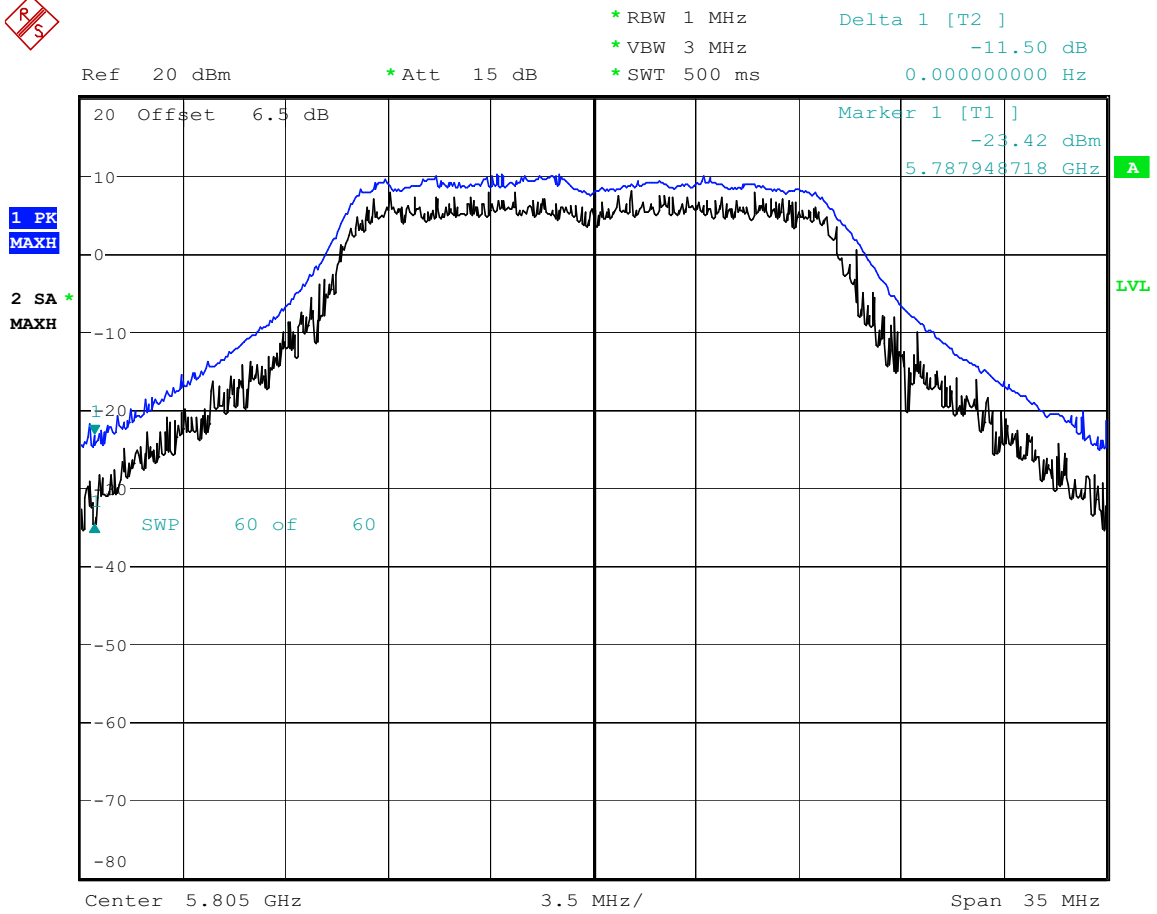
11A CH161 PEAK POWER EXCURSION 6Mbps

Date: 18.FEB.2006 14:54:31



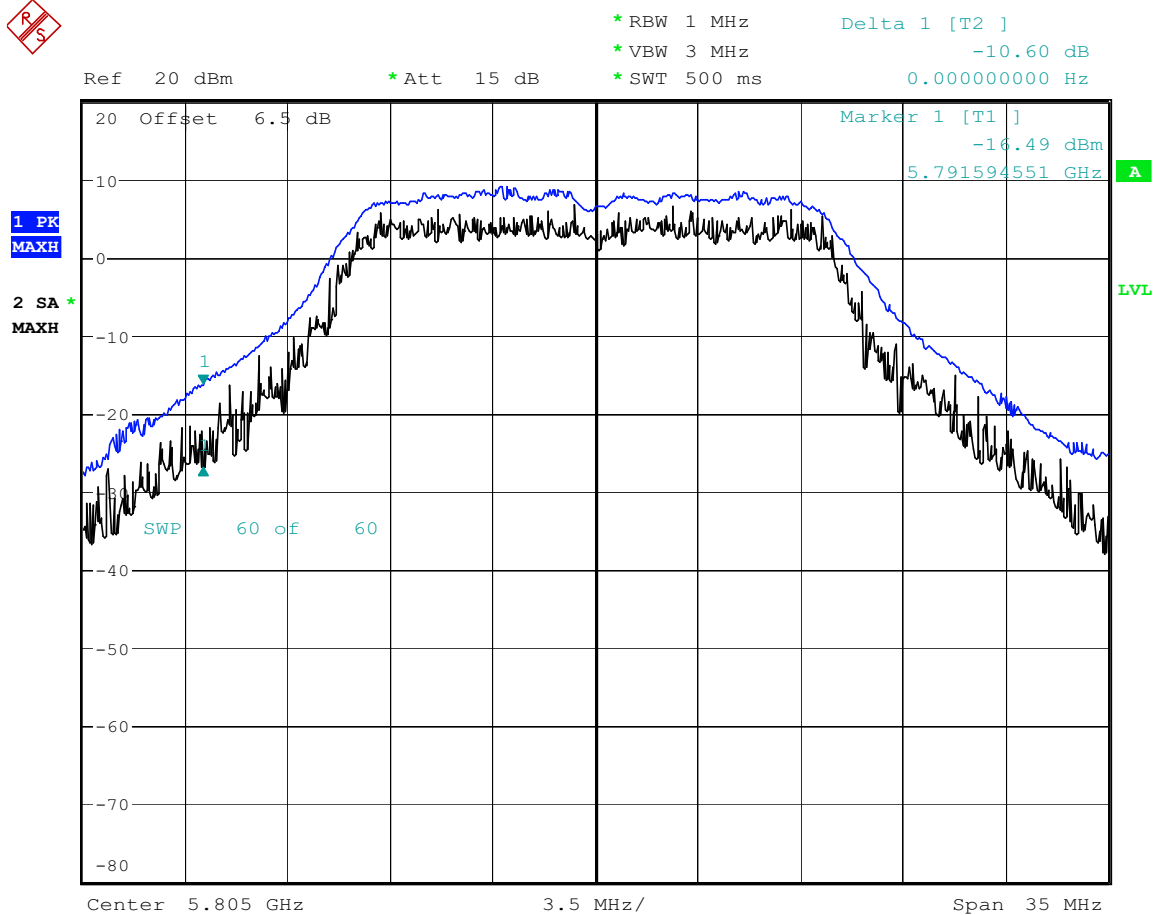
11A CH161 PEAK POWER EXCURSION 18Mbps

Date: 24.FEB.2006 06:42:15



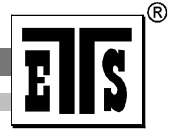
11A CH161 PEAK POWER EXCURSION 36Mbps

Date: 18.FEB.2006 15:16:31



11A CH161 PEAK POWER EXCURSION 54Mbps

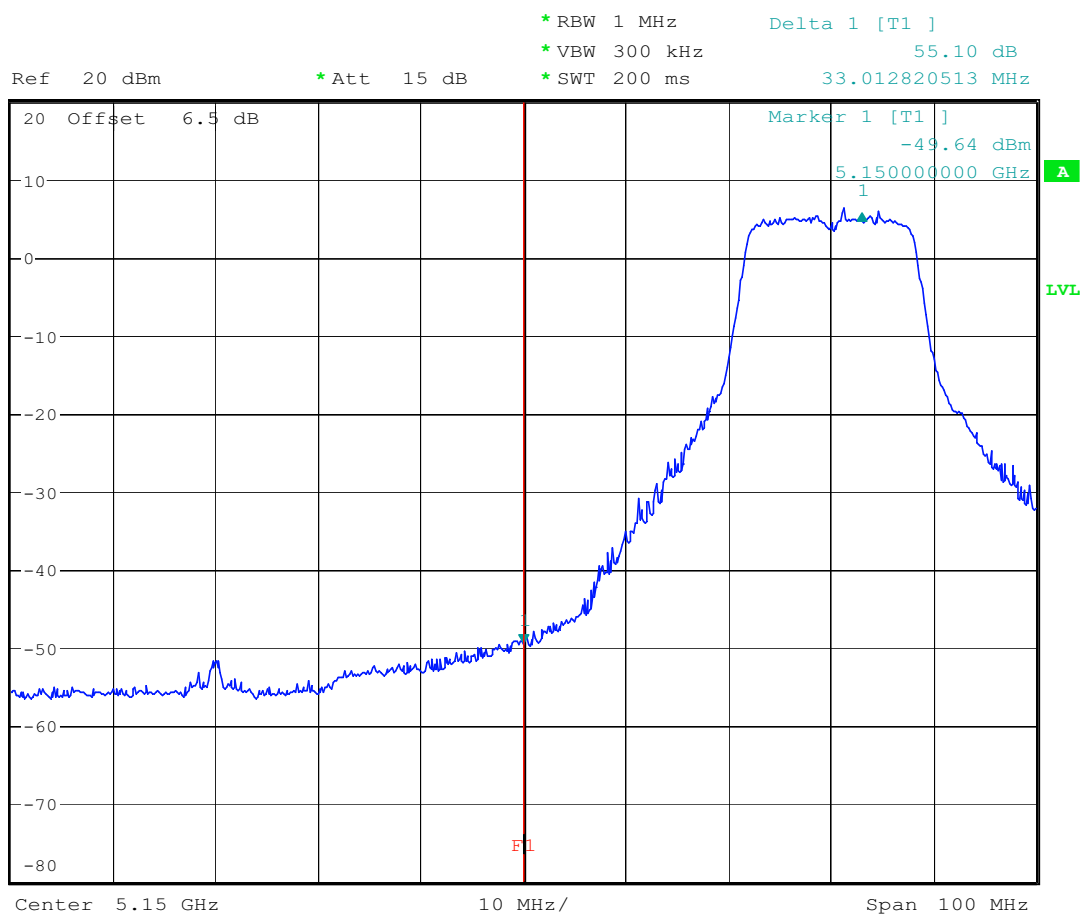
Date: 18.FEB.2006 15:20:32



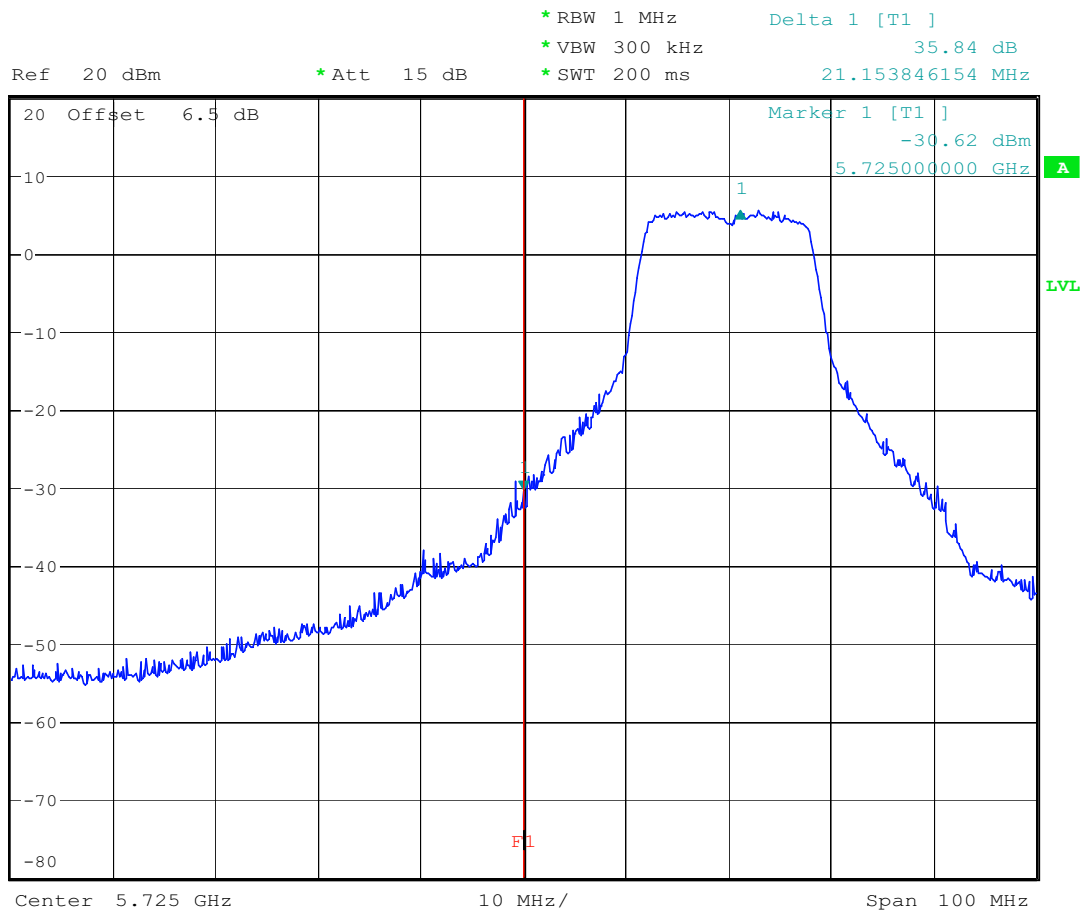
Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

Appendix E

Band edge

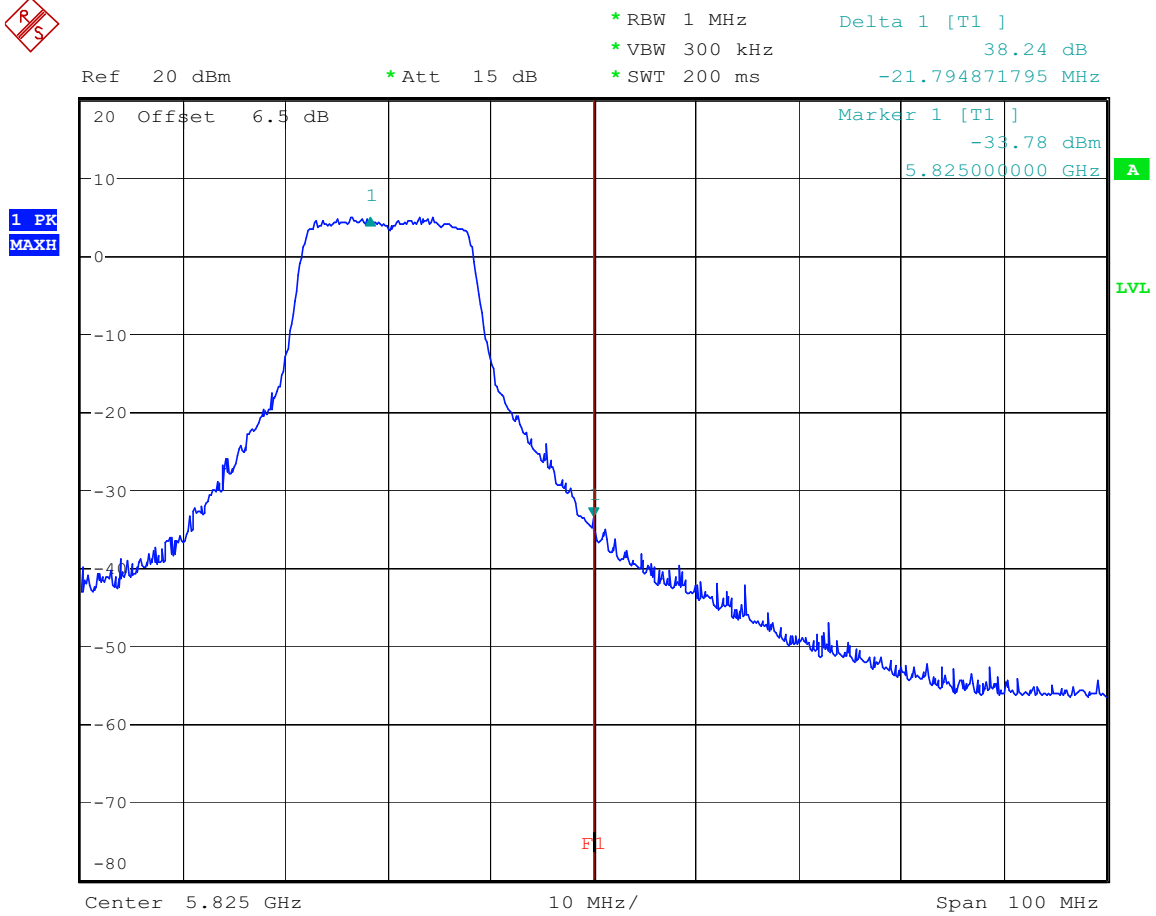


Date: 18.FEB.2006 16:11:09



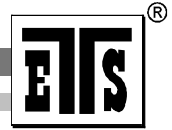
11A CH149 BANDEDGE

Date: 18.FEB.2006 16:12:16



11A CH161 BANDEDGE

Date: 18.FEB.2006 16:14:50



Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

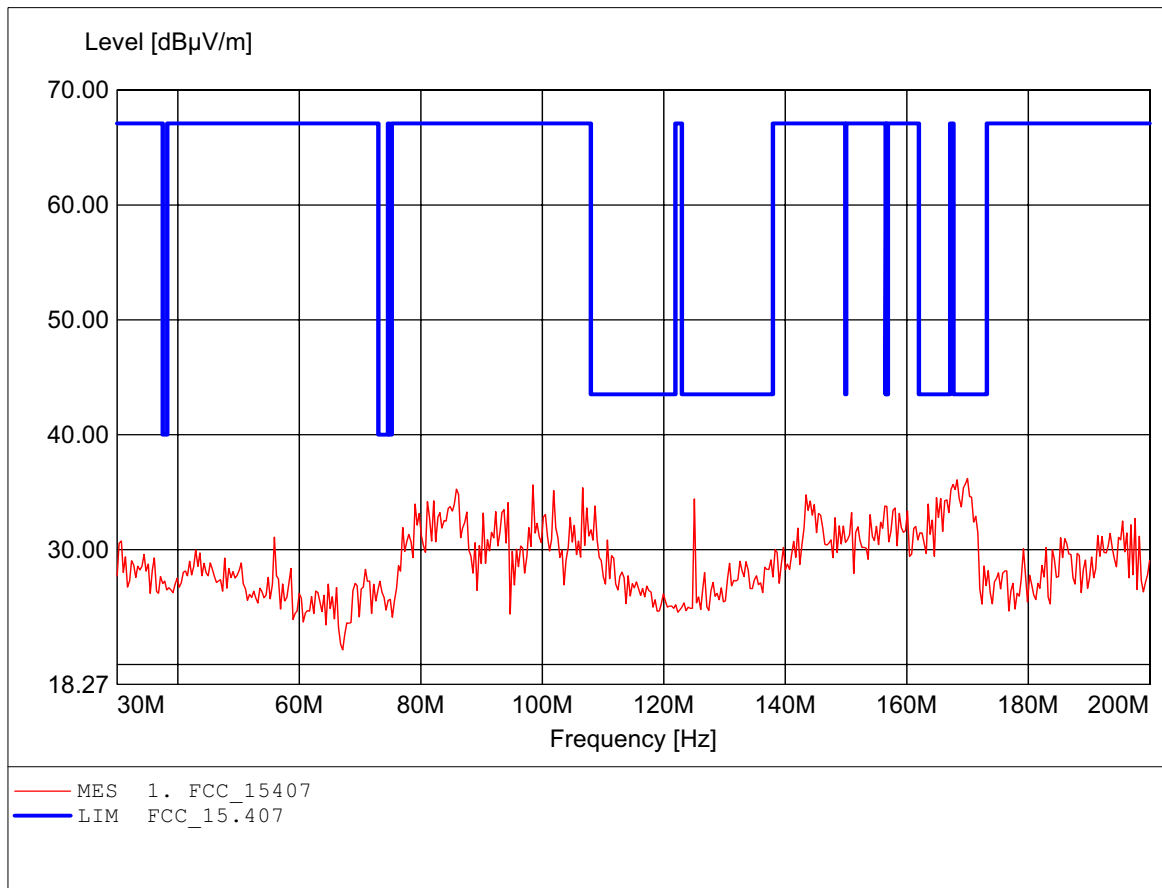
Appendix F

Peak Emission outside the frequency band of operation

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

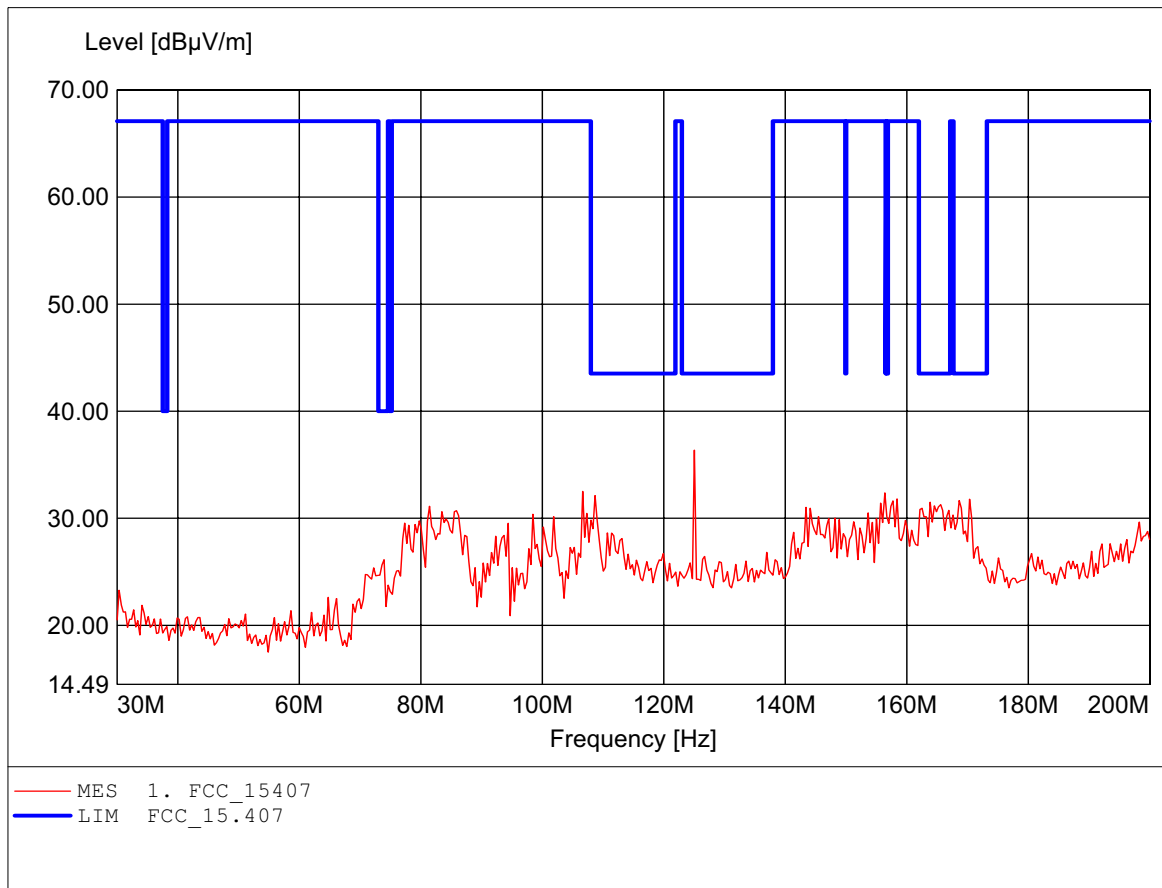
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 170.020MHz, Emax: 36.19dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

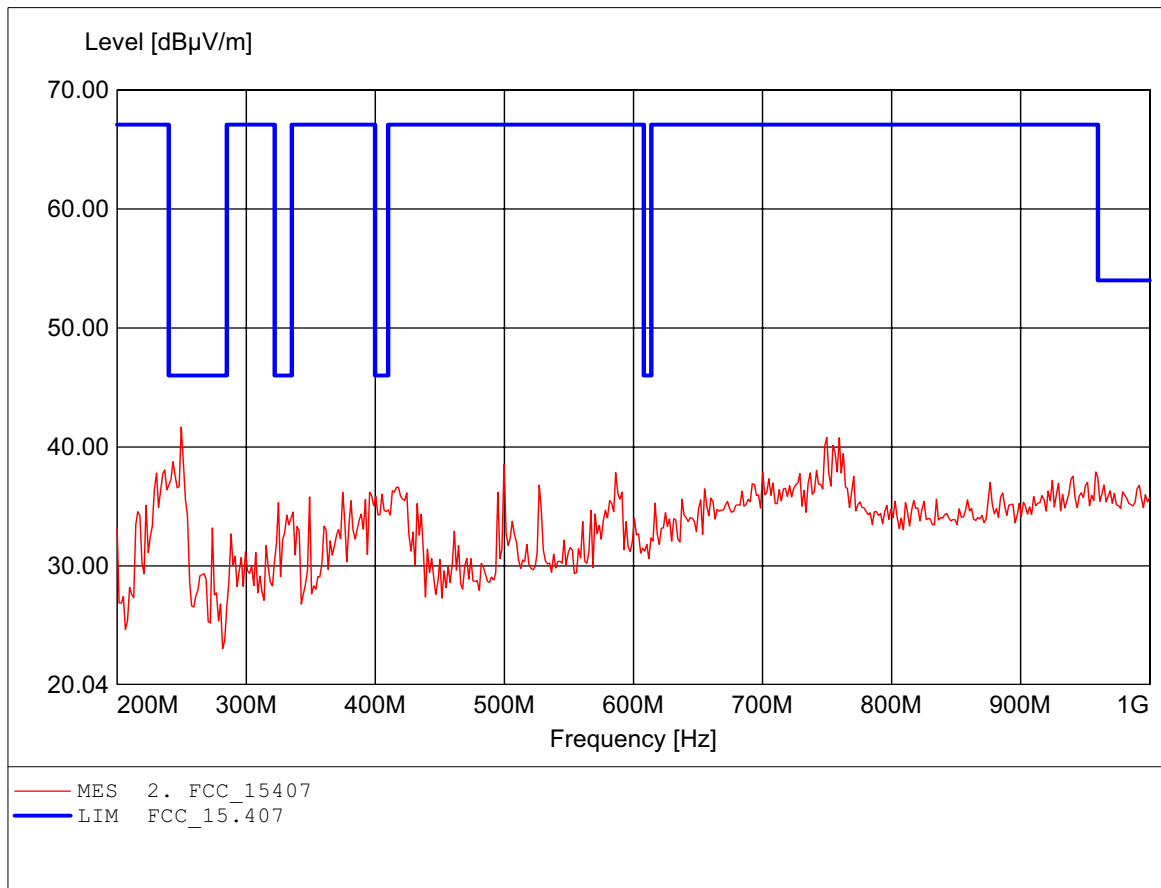
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 125.050MHz, Emax: 36.37dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

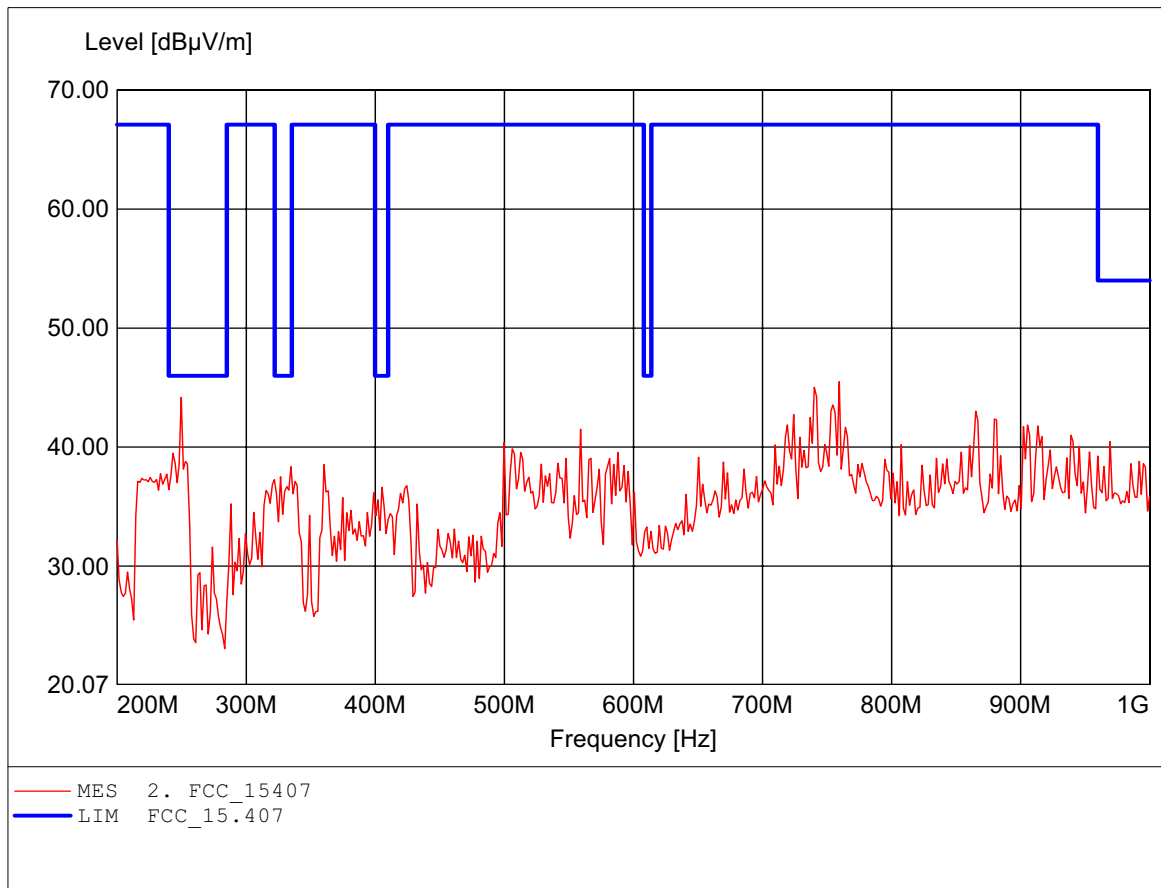
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 249.699MHz, Emax: 41.67dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

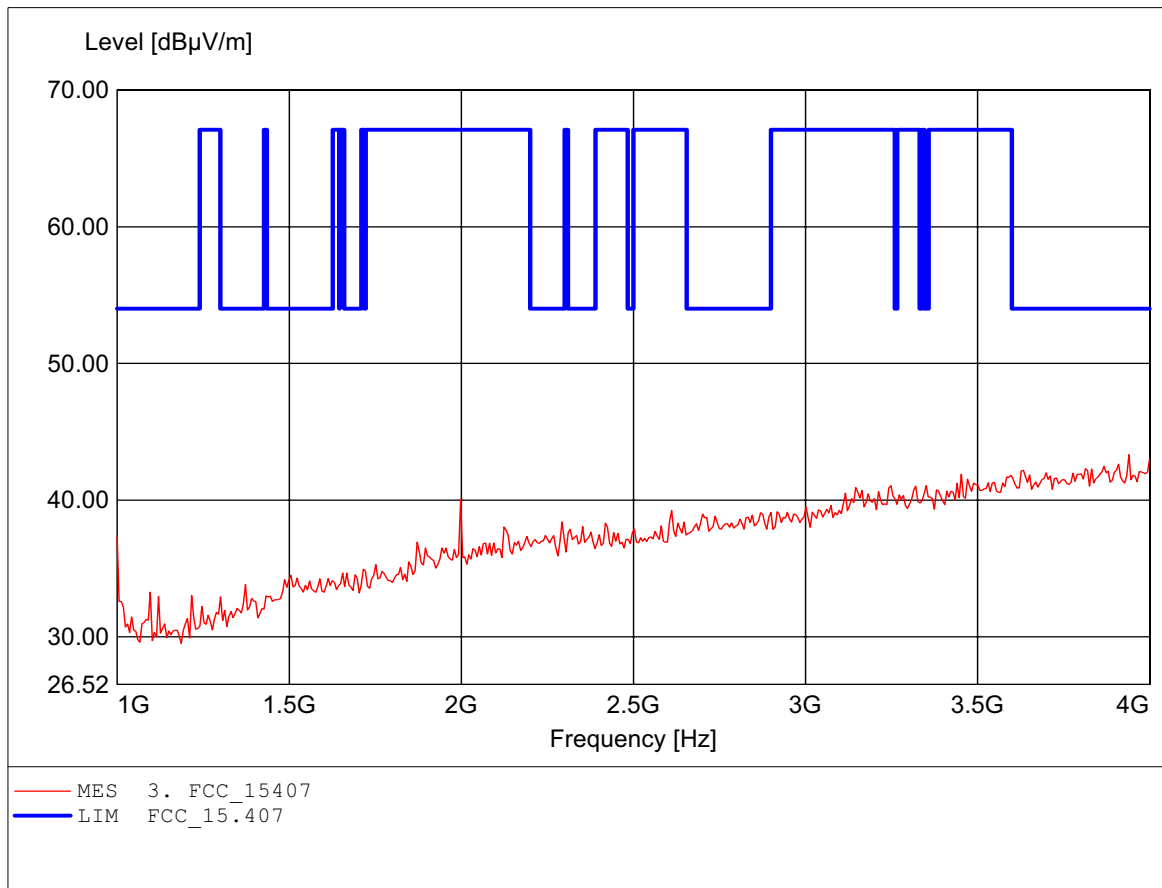
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 759.519MHz, Emax: 45.50dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

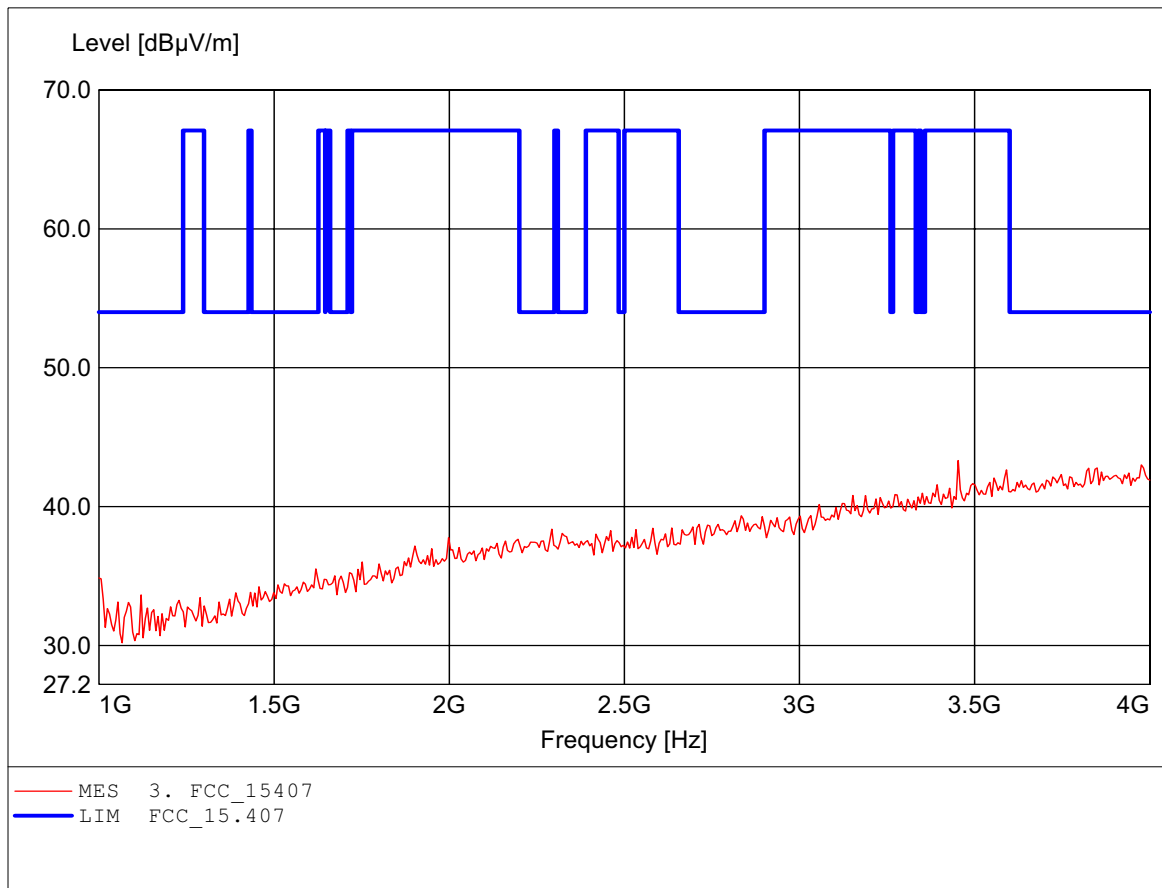
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.940GHz, Emax: 43.32dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

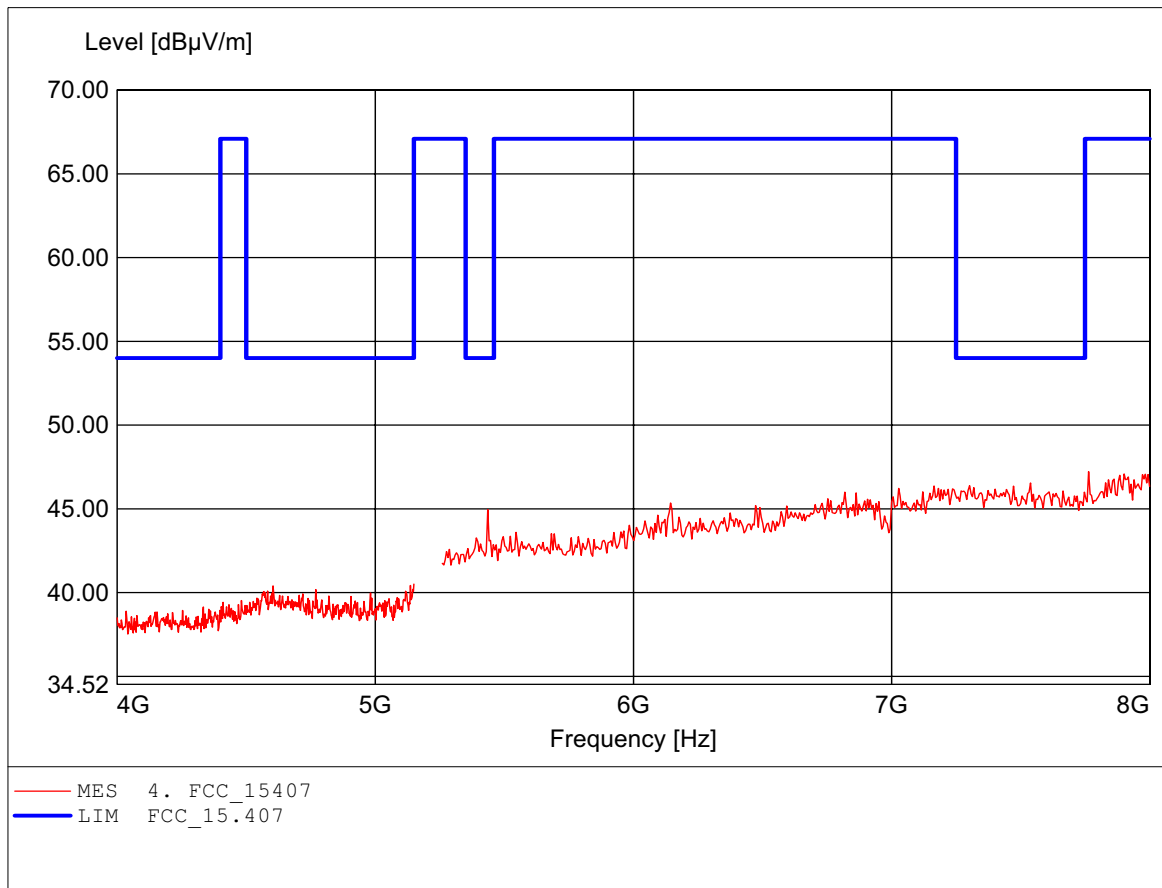
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.453GHz, Emax: 43.32dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

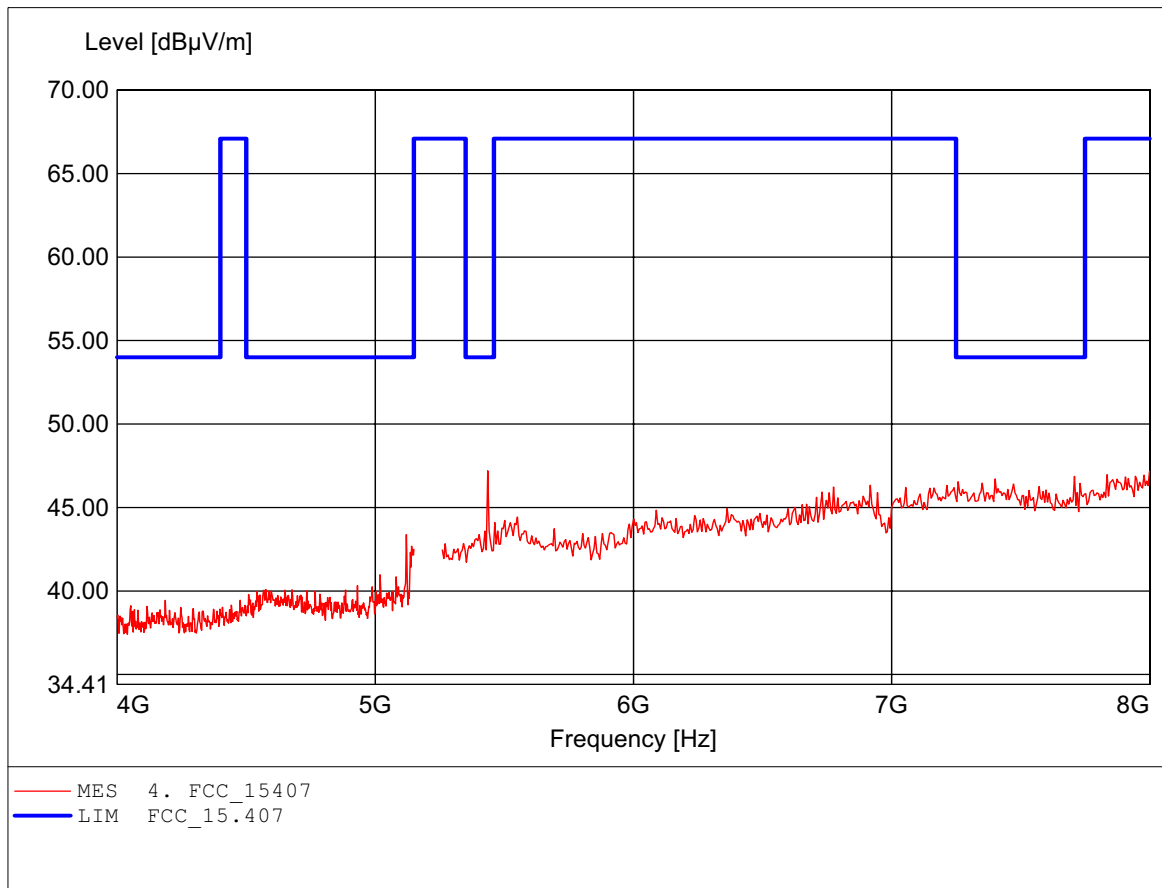
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.764GHz, Emax: 47.21dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

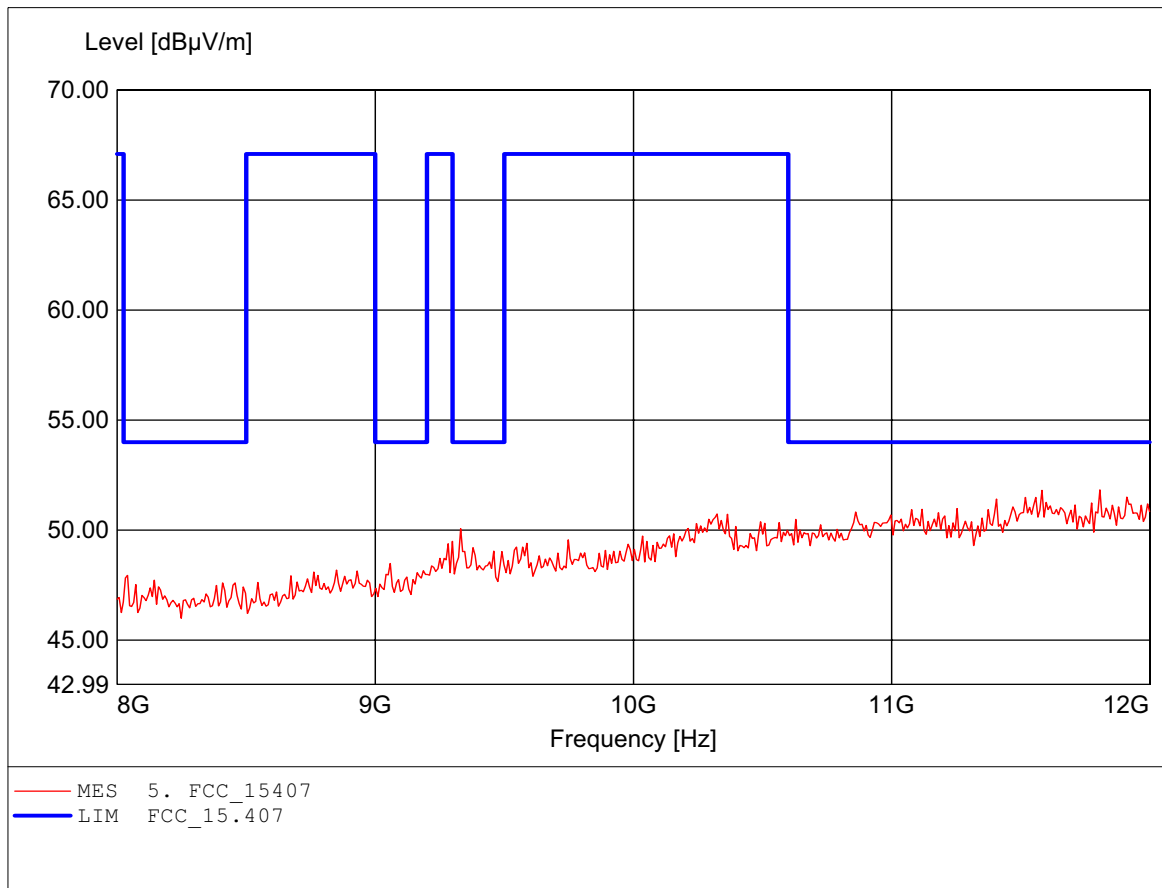
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.436GHz, Emax: 47.20dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

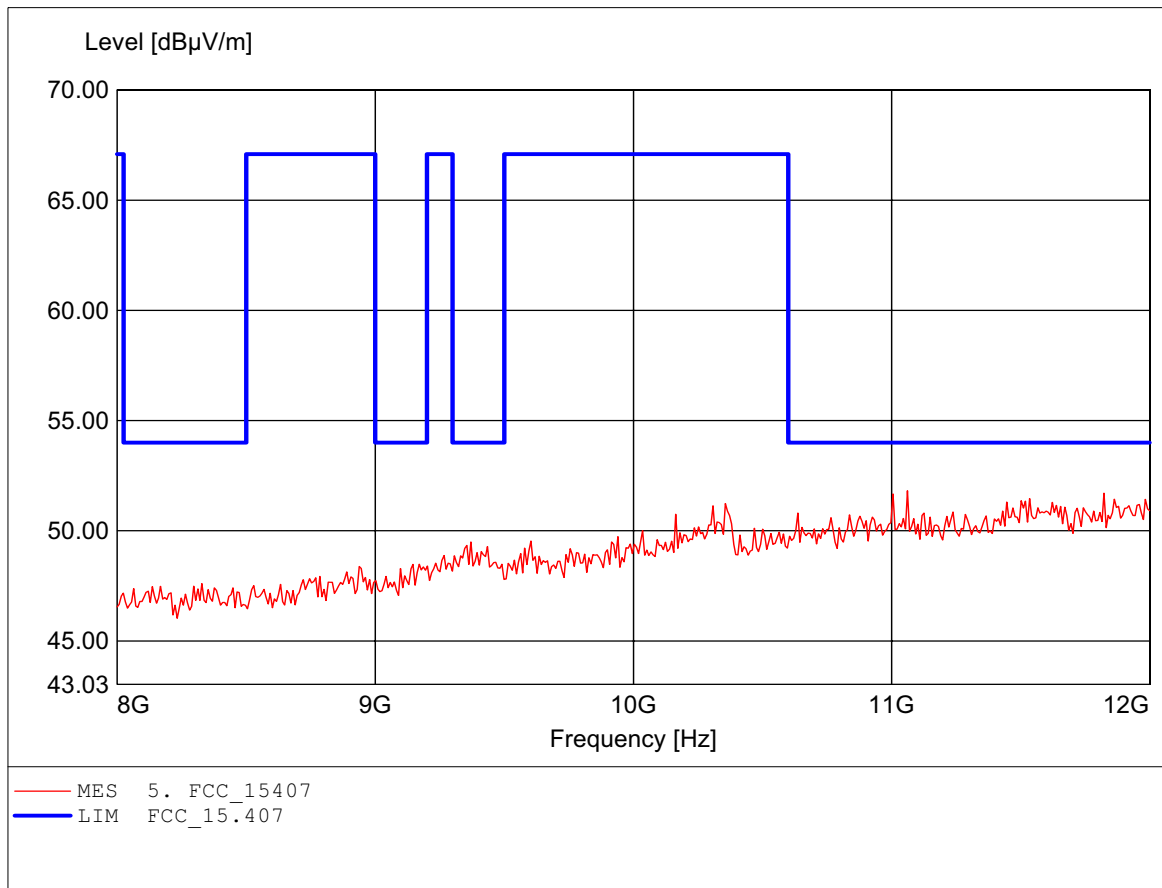
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.808GHz, Emax: 51.83dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

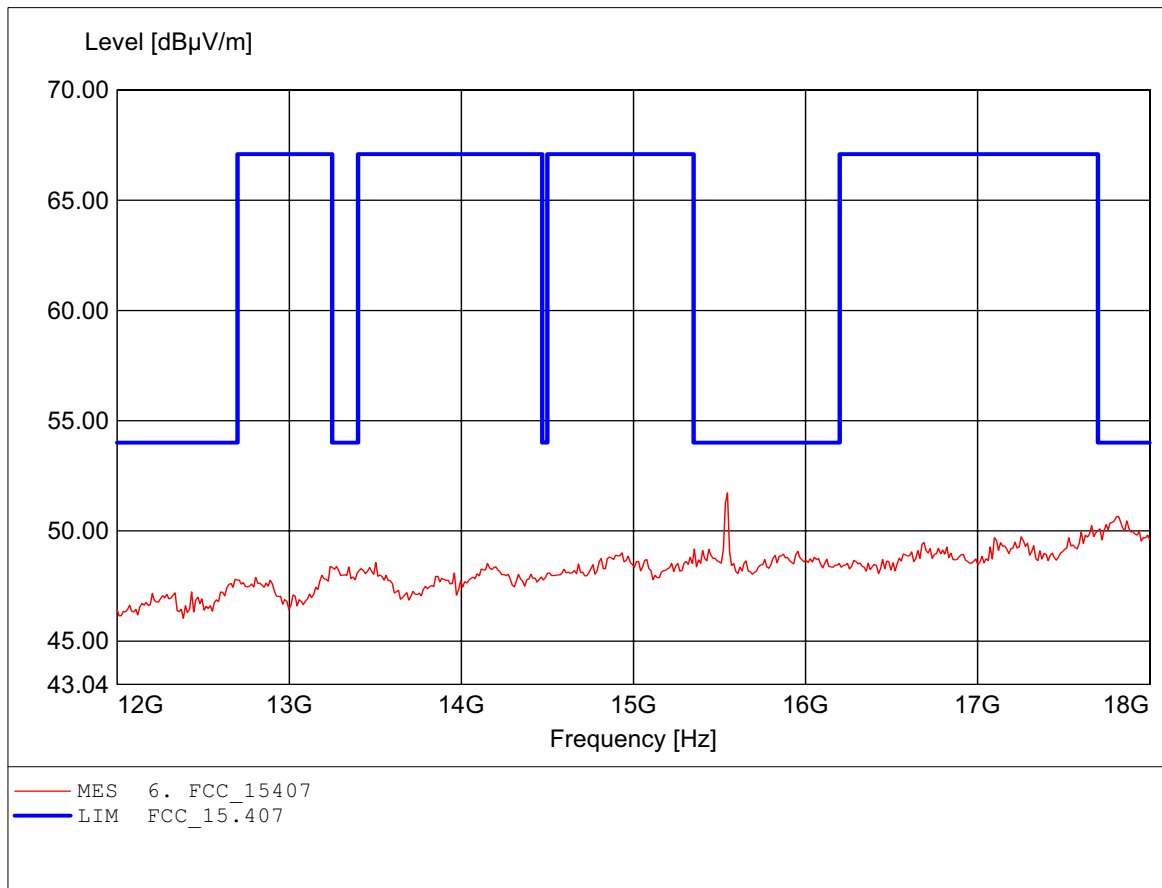
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.062GHz, Emax: 51.82dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

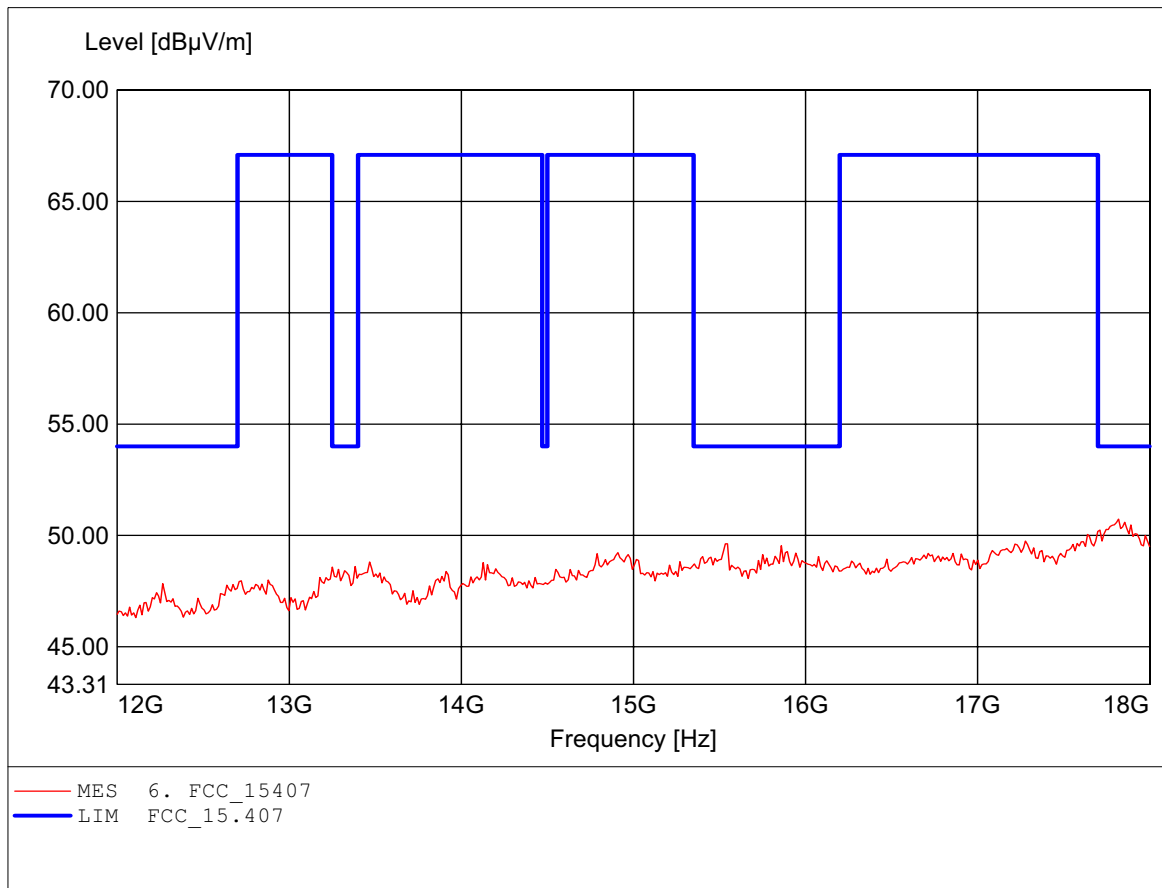
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 15.547GHz, Emax: 51.72dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

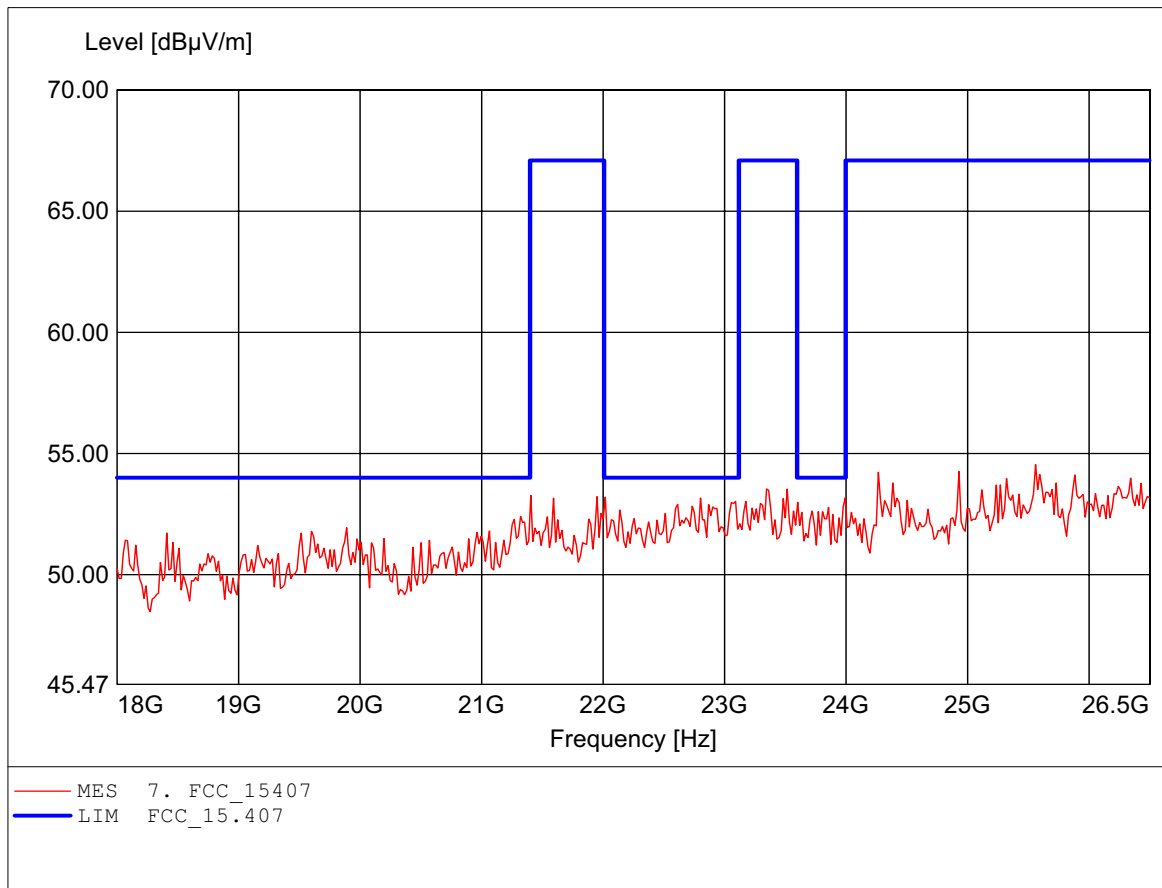
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.820GHz, Emax: 50.73dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

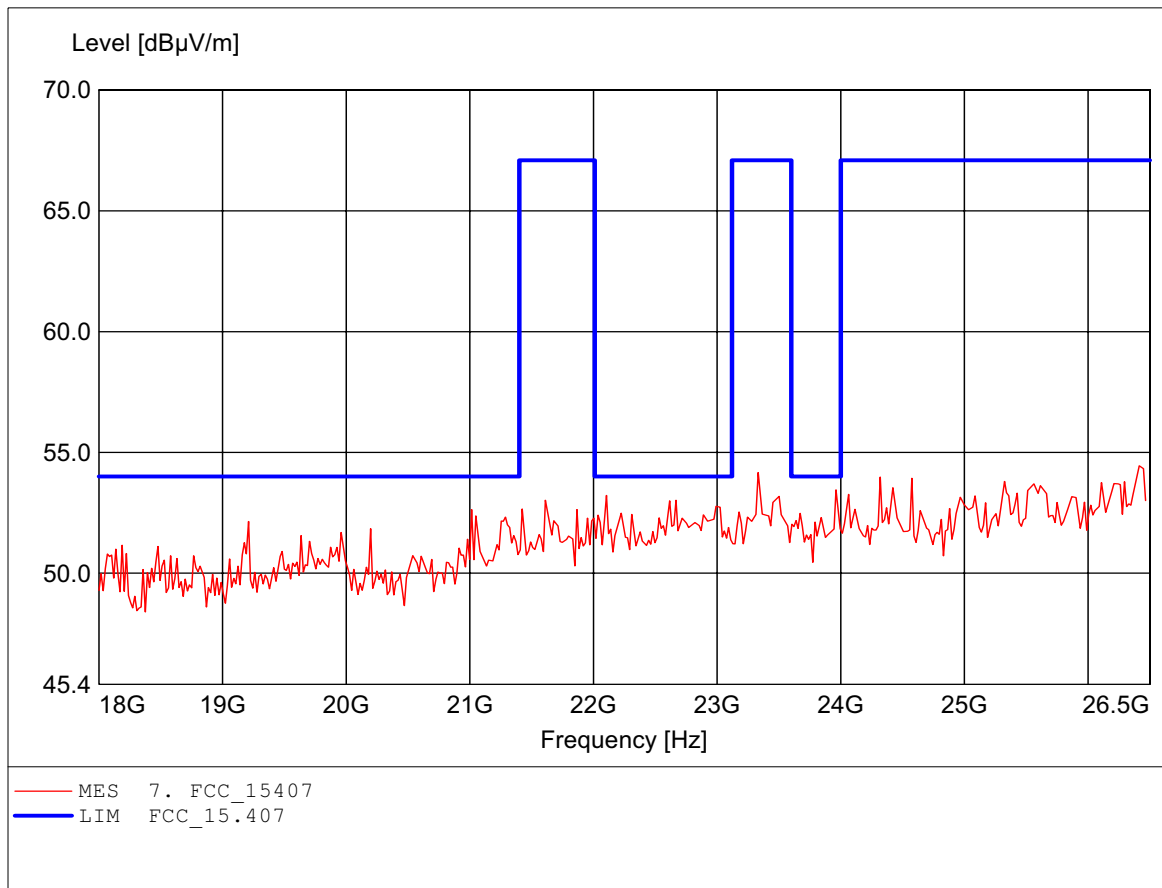
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.563GHz, Emax: 54.54dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

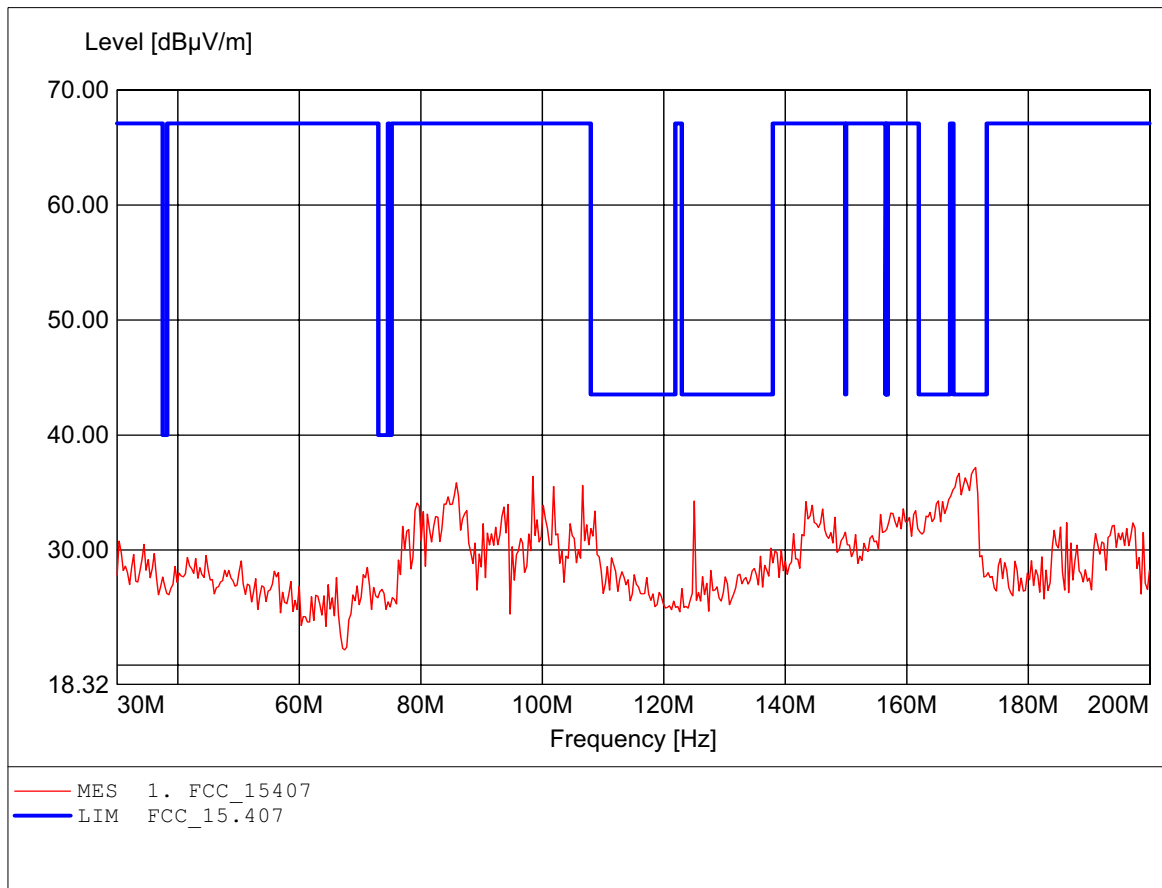
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.415GHz, Emax: 54.45dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

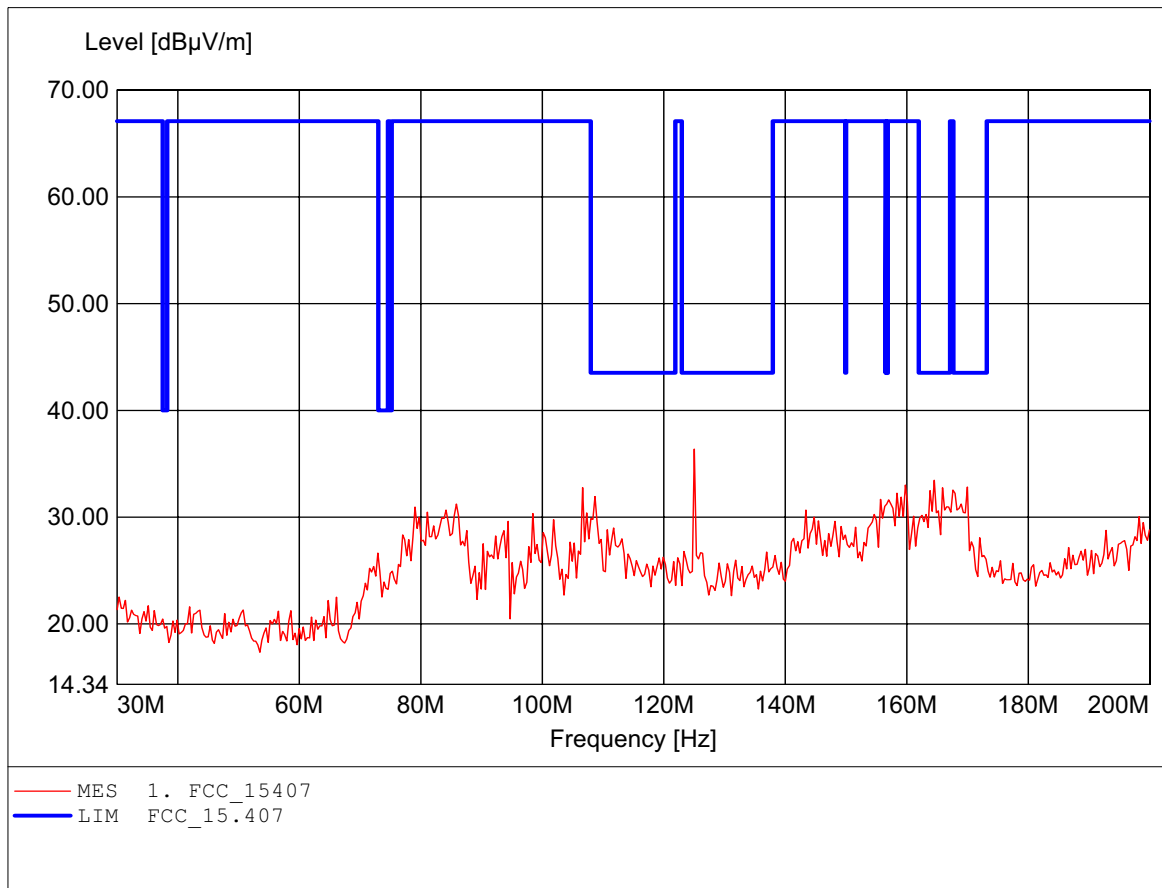
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 171.383MHz, Emax: 37.18dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

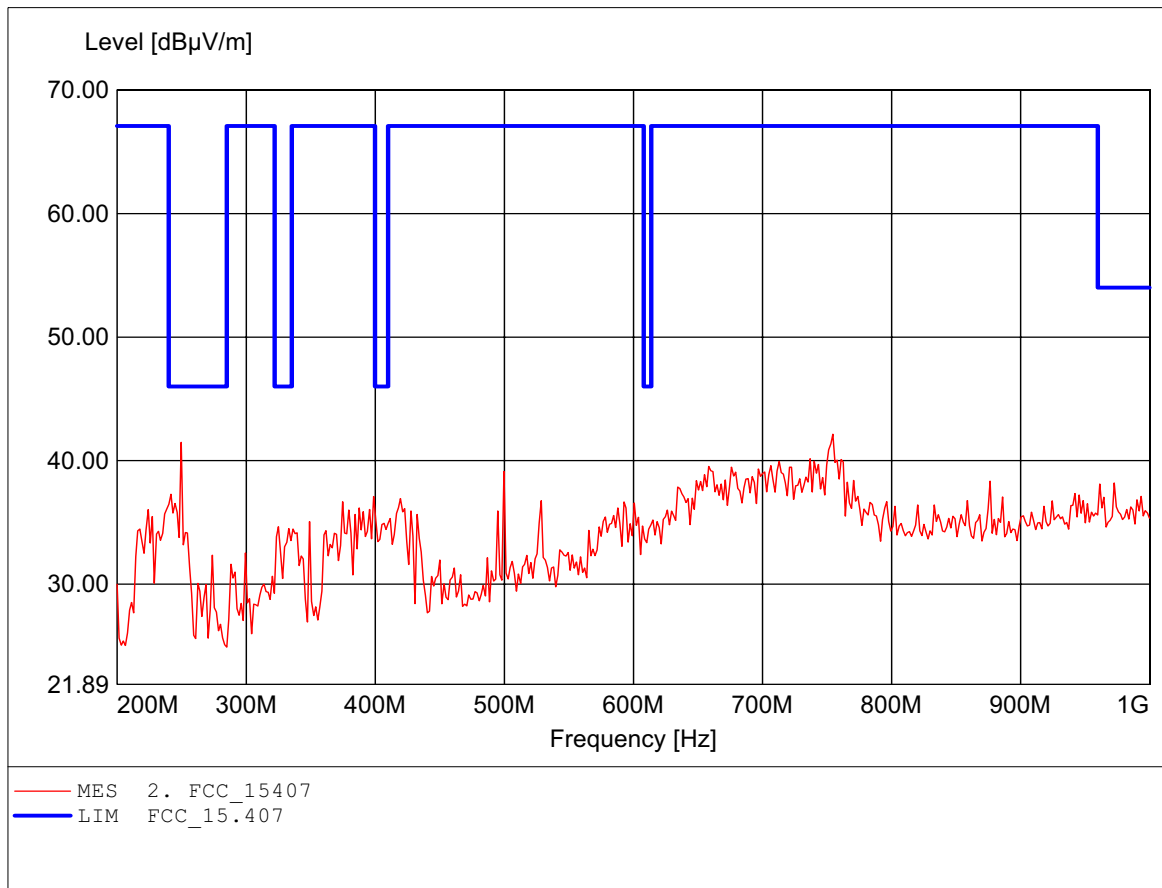
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 125.050MHz, Emax: 36.37dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

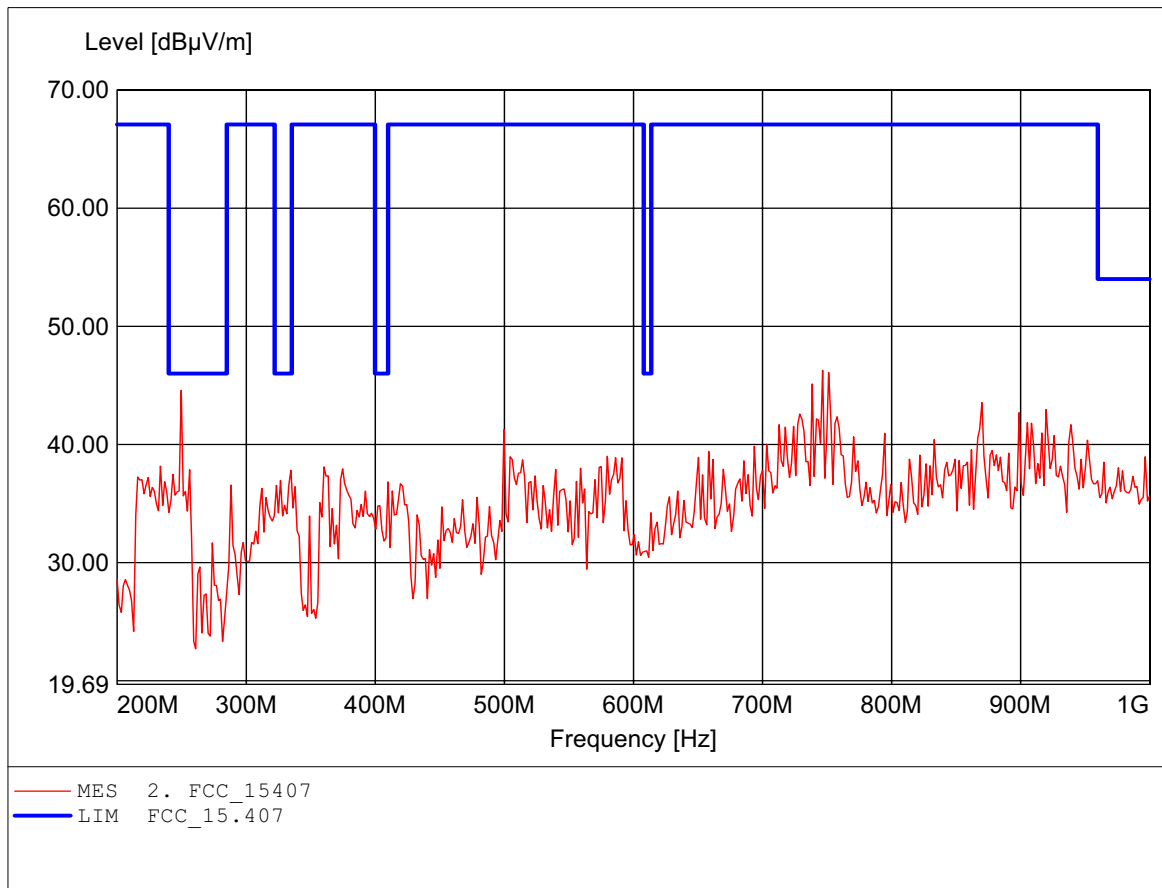
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 754.709MHz, Emax: 42.14dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

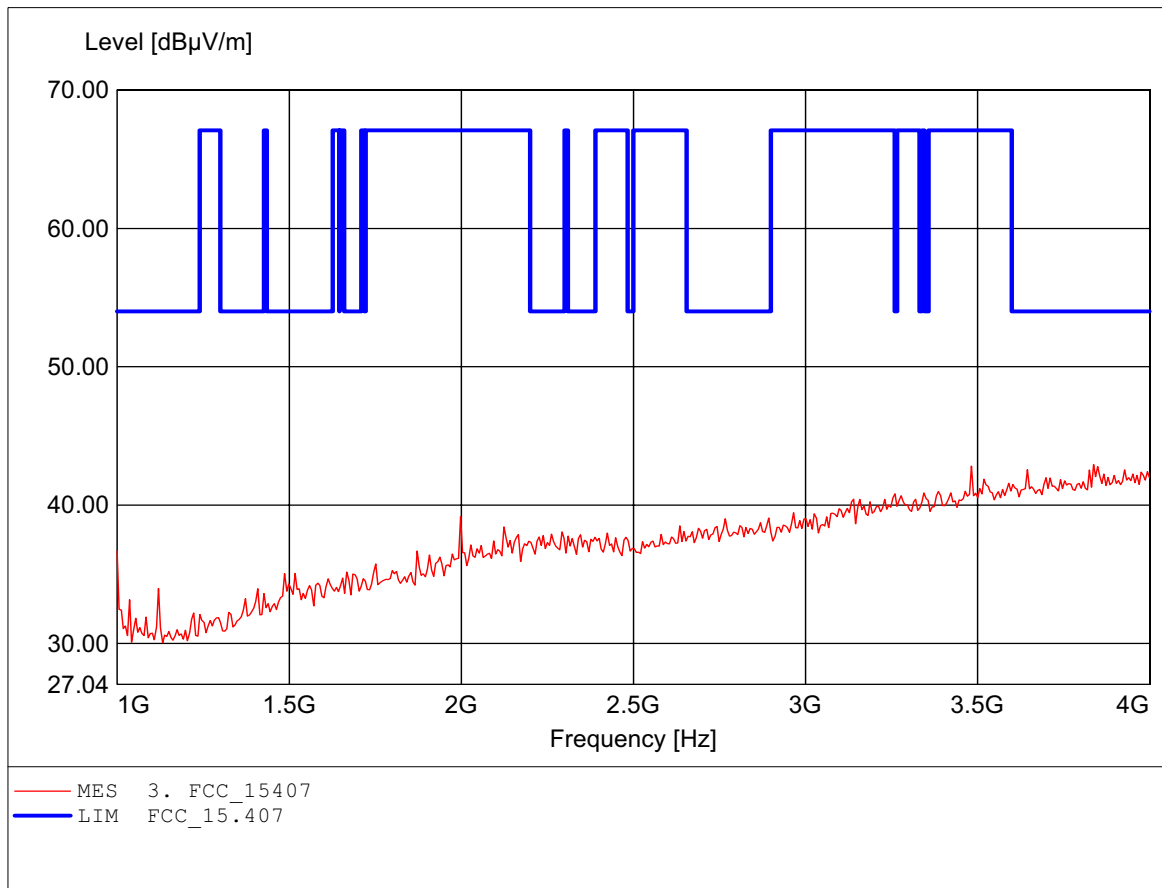
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 746.693MHz, Emax: 46.28dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

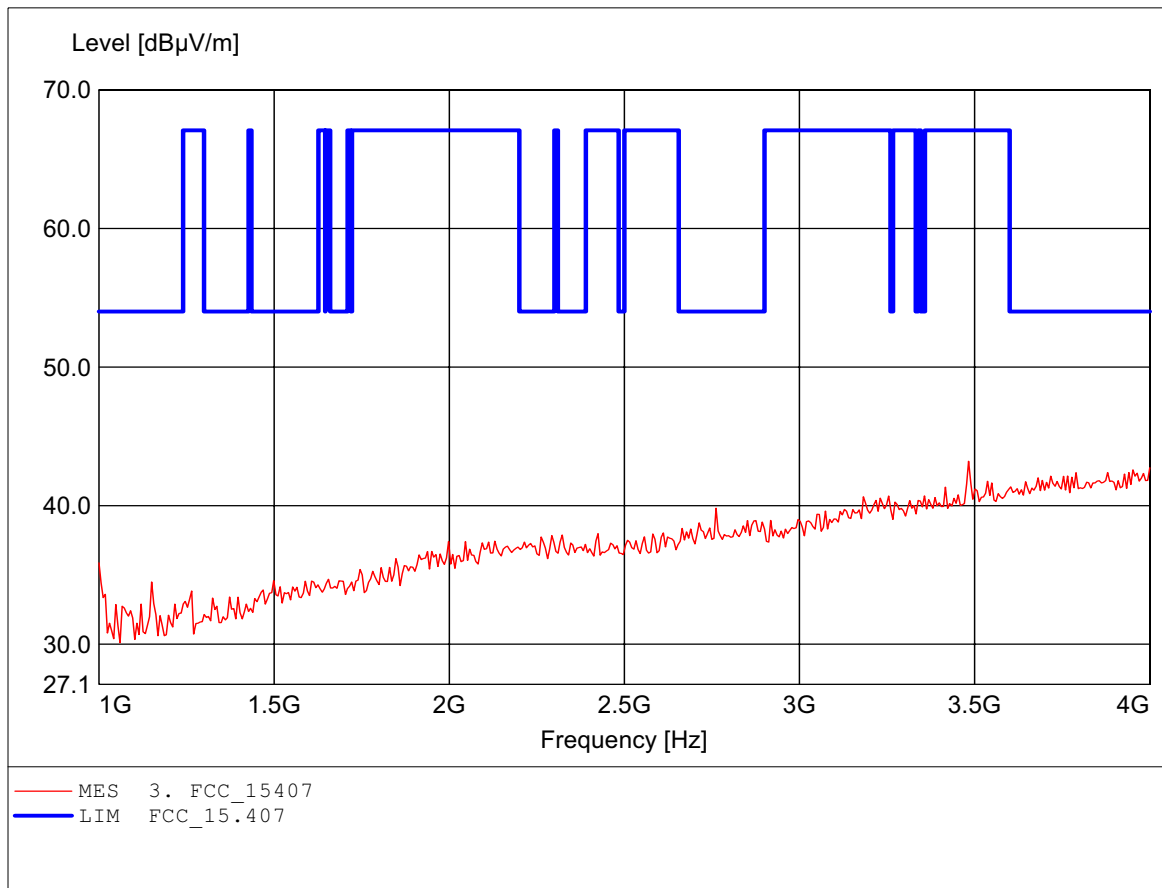
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.838GHz, Emax: 42.93dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

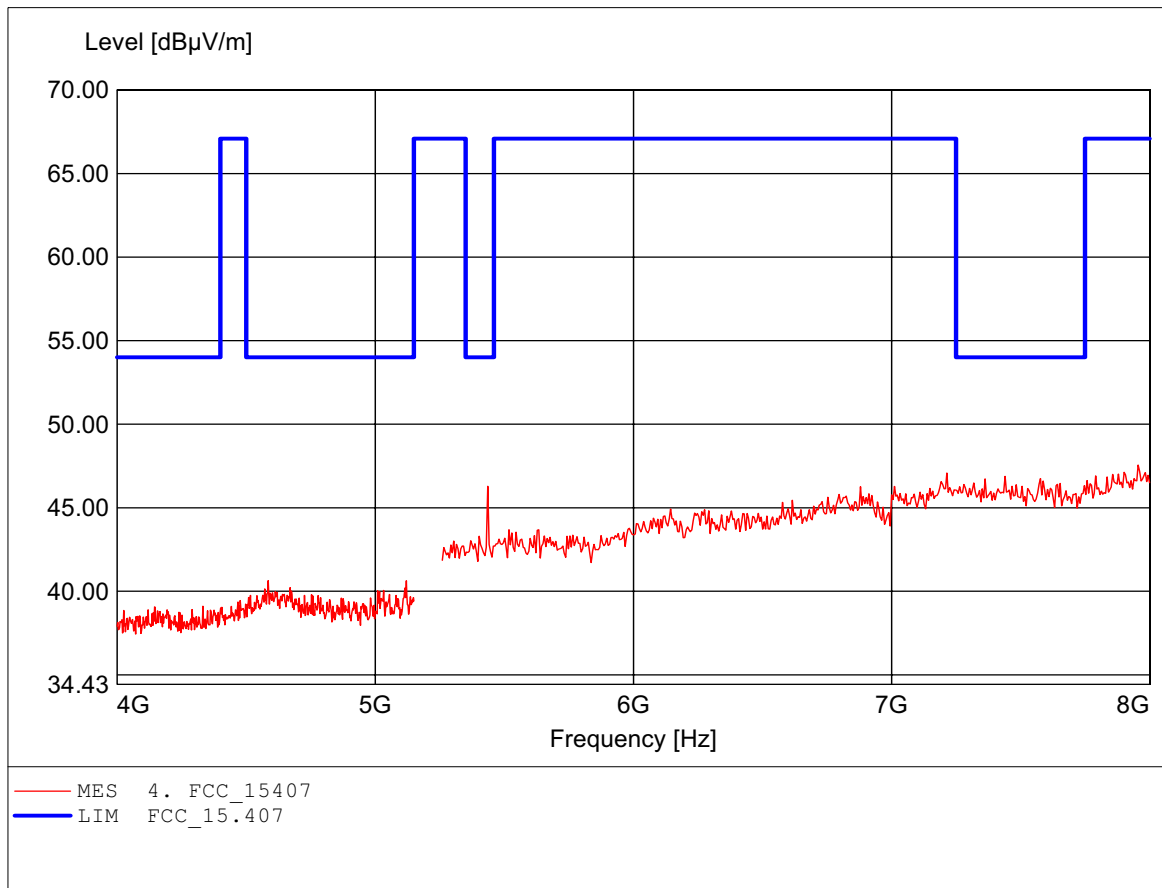
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.483GHz, Emax: 43.20dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

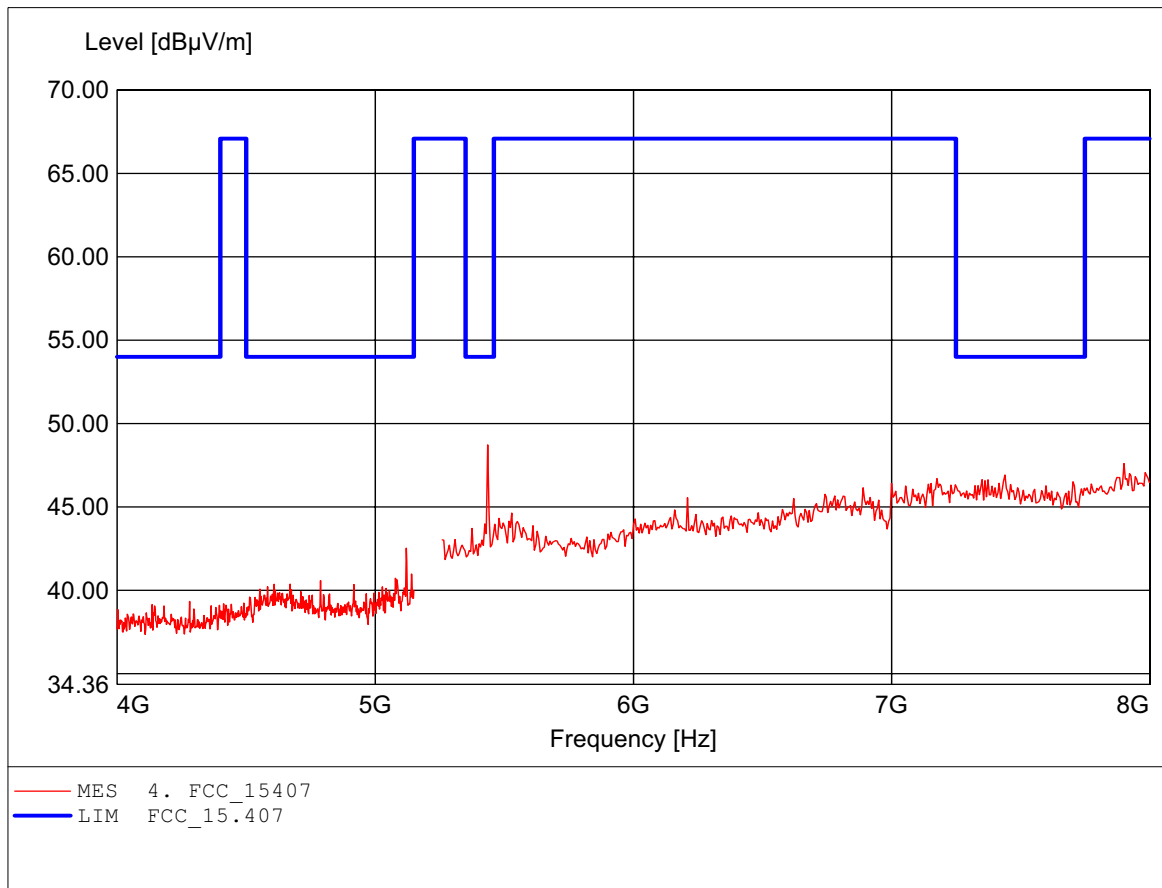
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.956GHz, Emax: 47.55dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

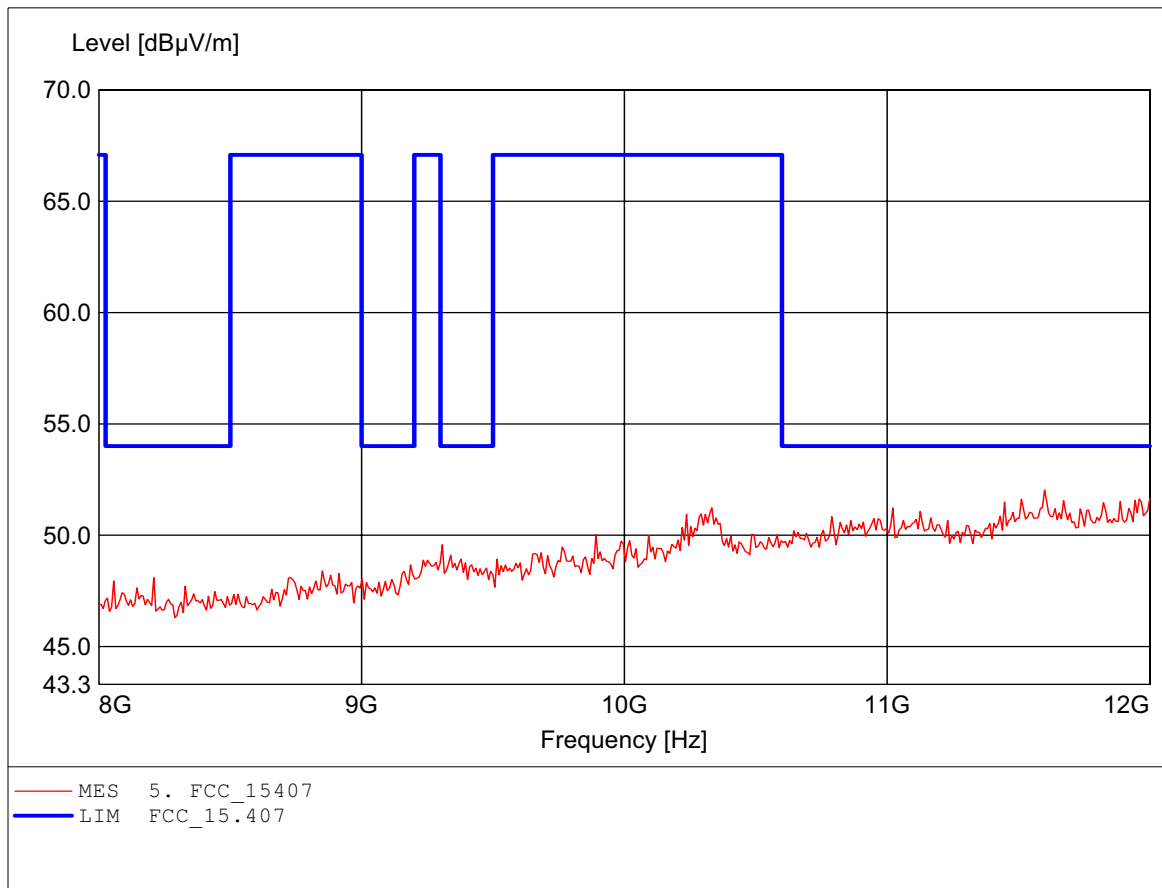
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.436GHz, Emax: 48.72dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

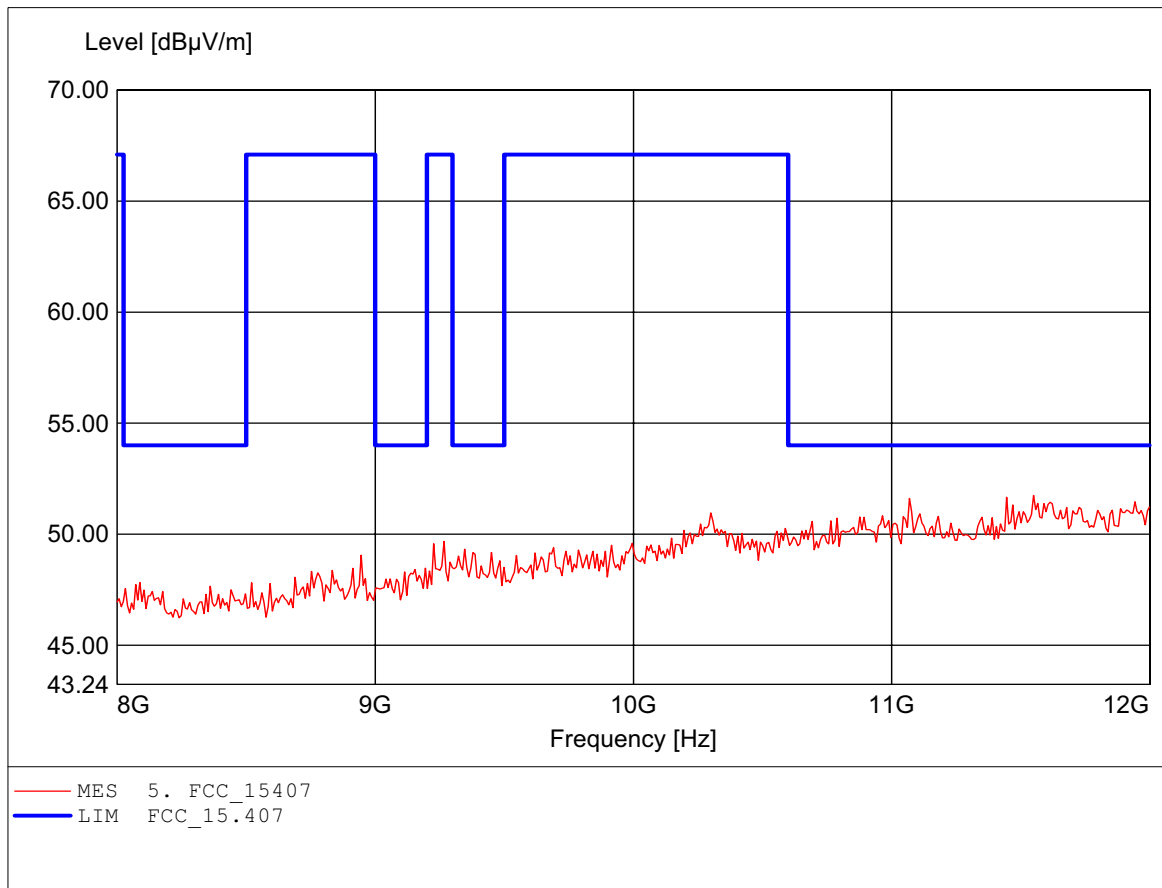
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.599GHz, Emax: 52.03dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

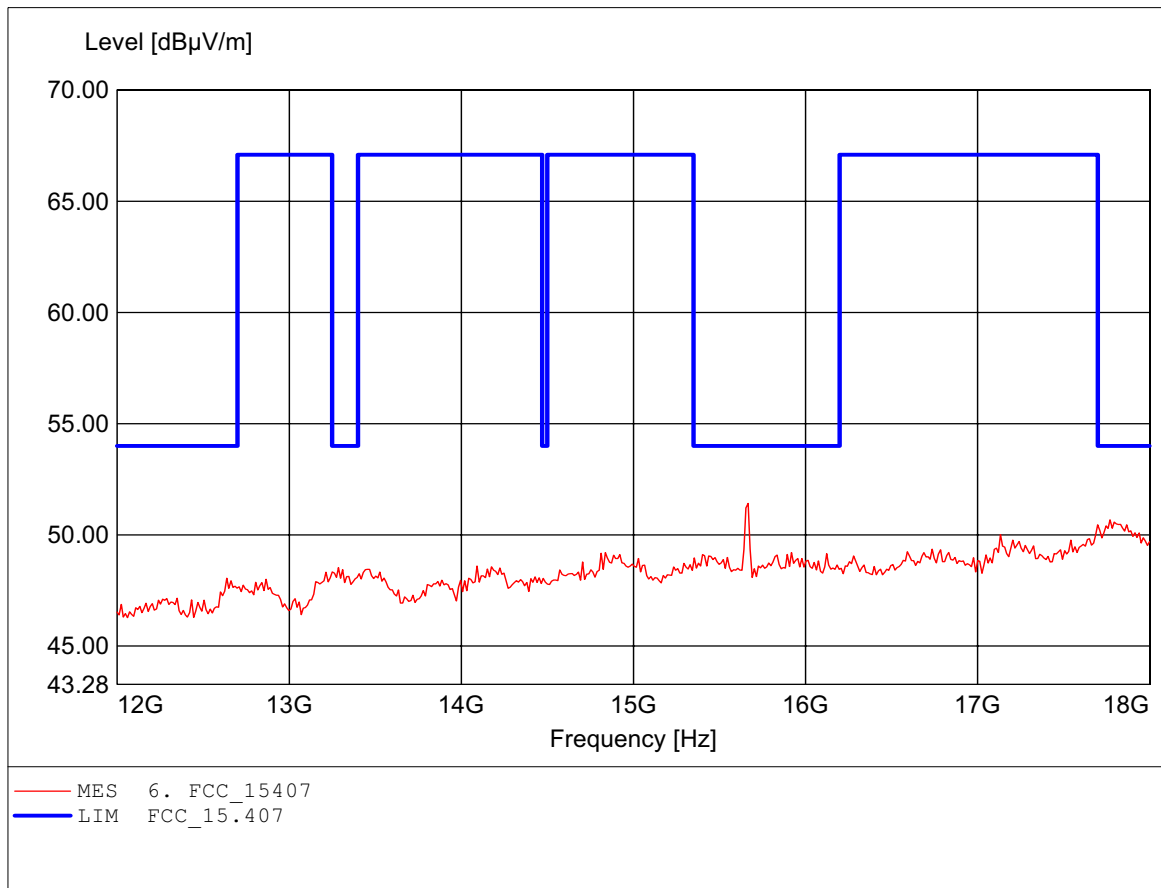
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.551GHz, Emax: 51.75dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

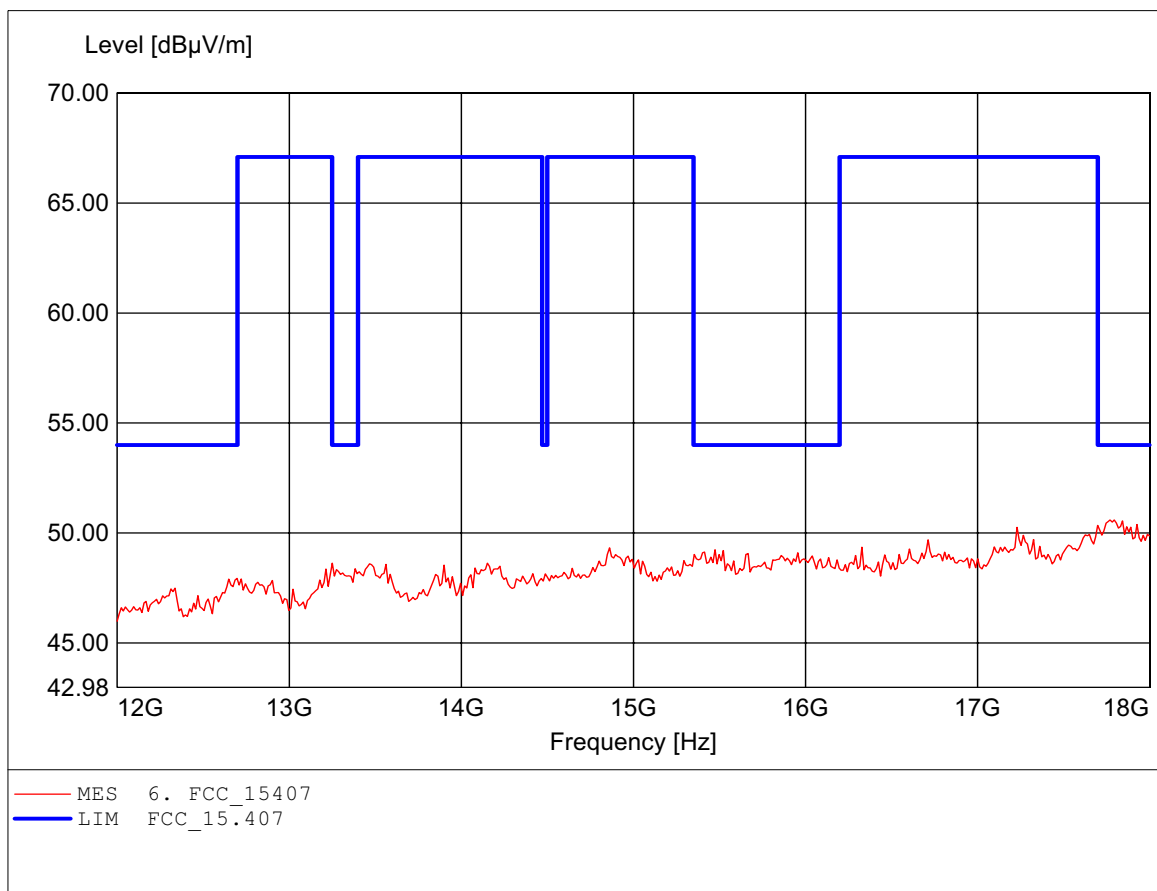
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 15.667GHz, Emax: 51.41dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

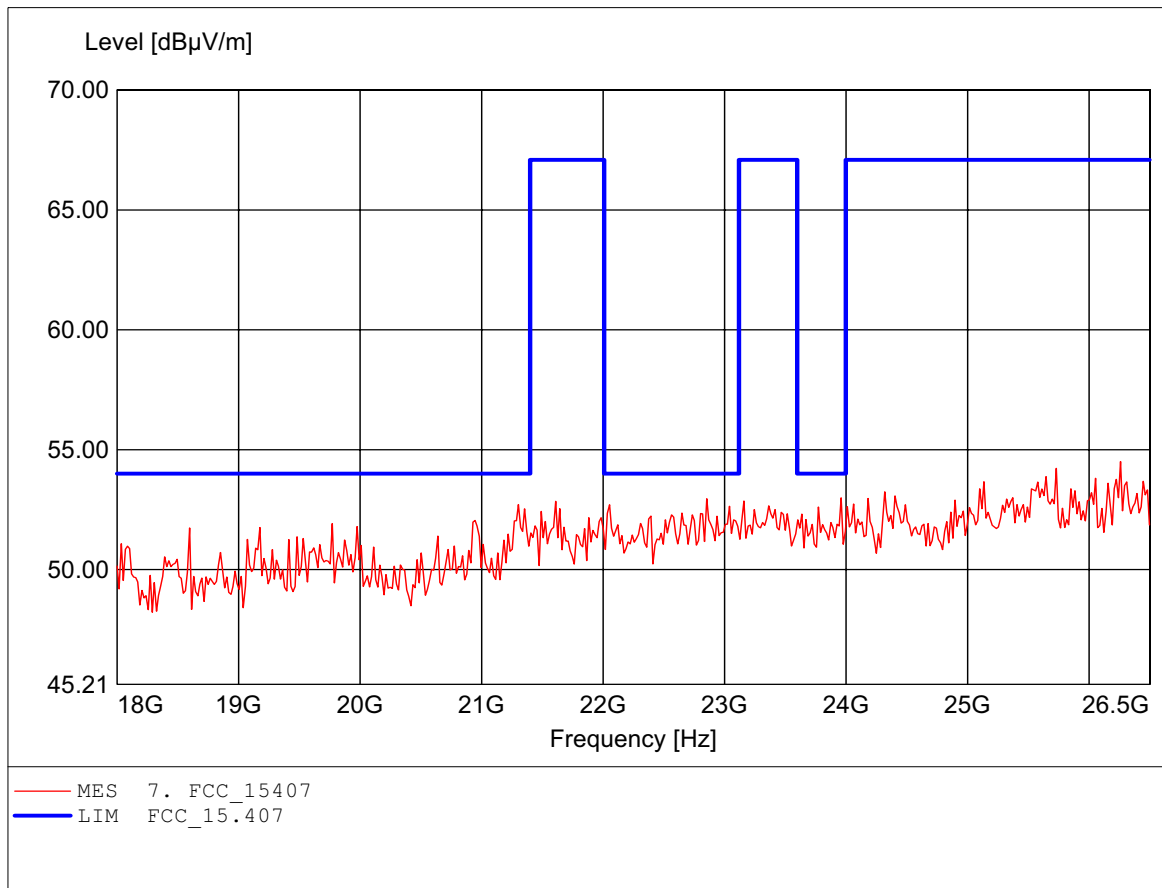
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.772GHz, Emax: 50.59dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

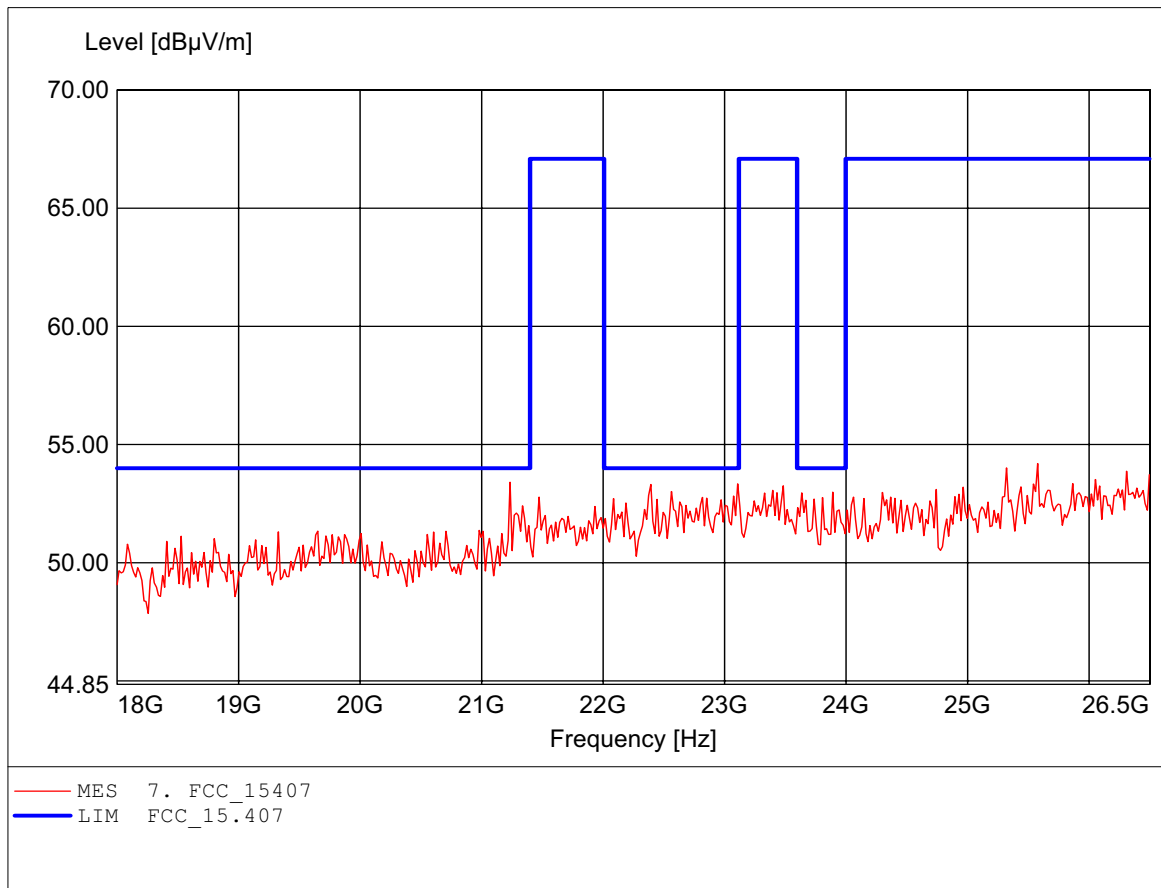
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.262GHz, Emax: 54.50dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

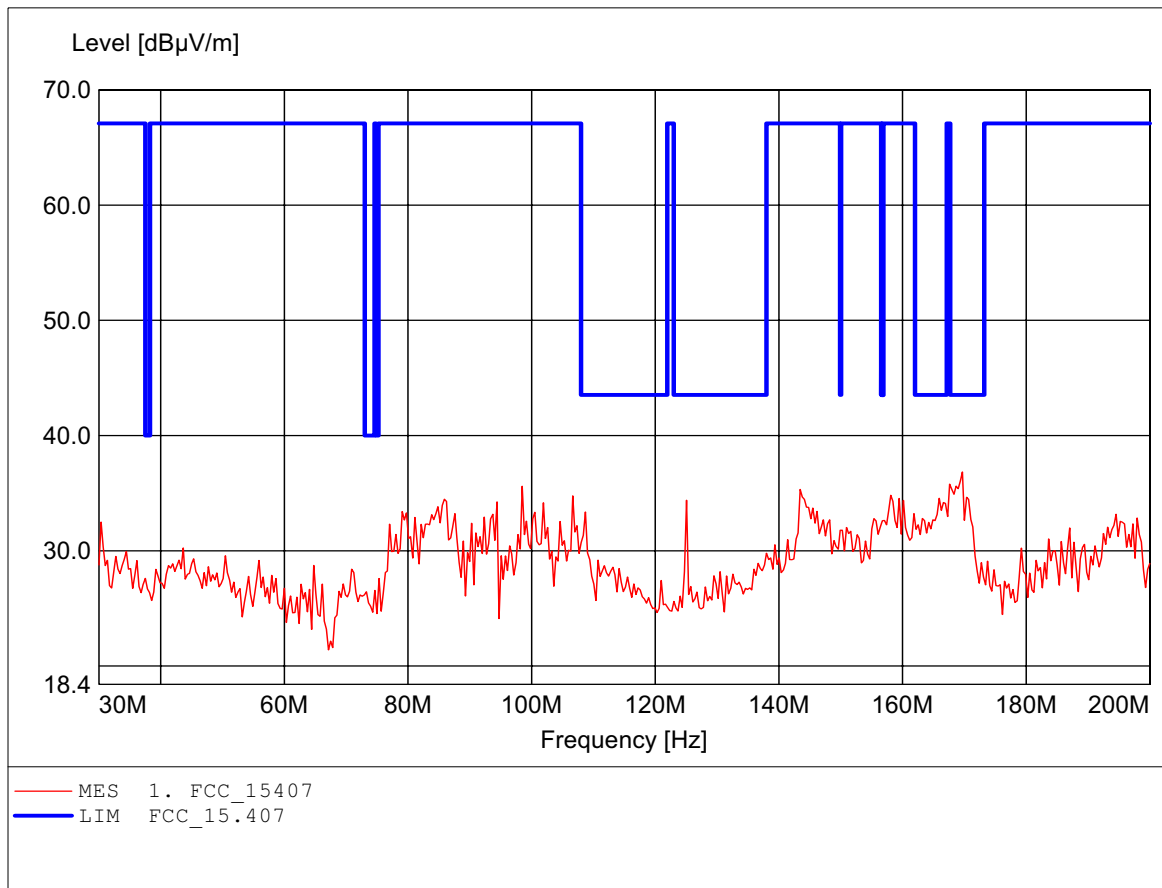
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.580GHz, Emax: 54.19dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

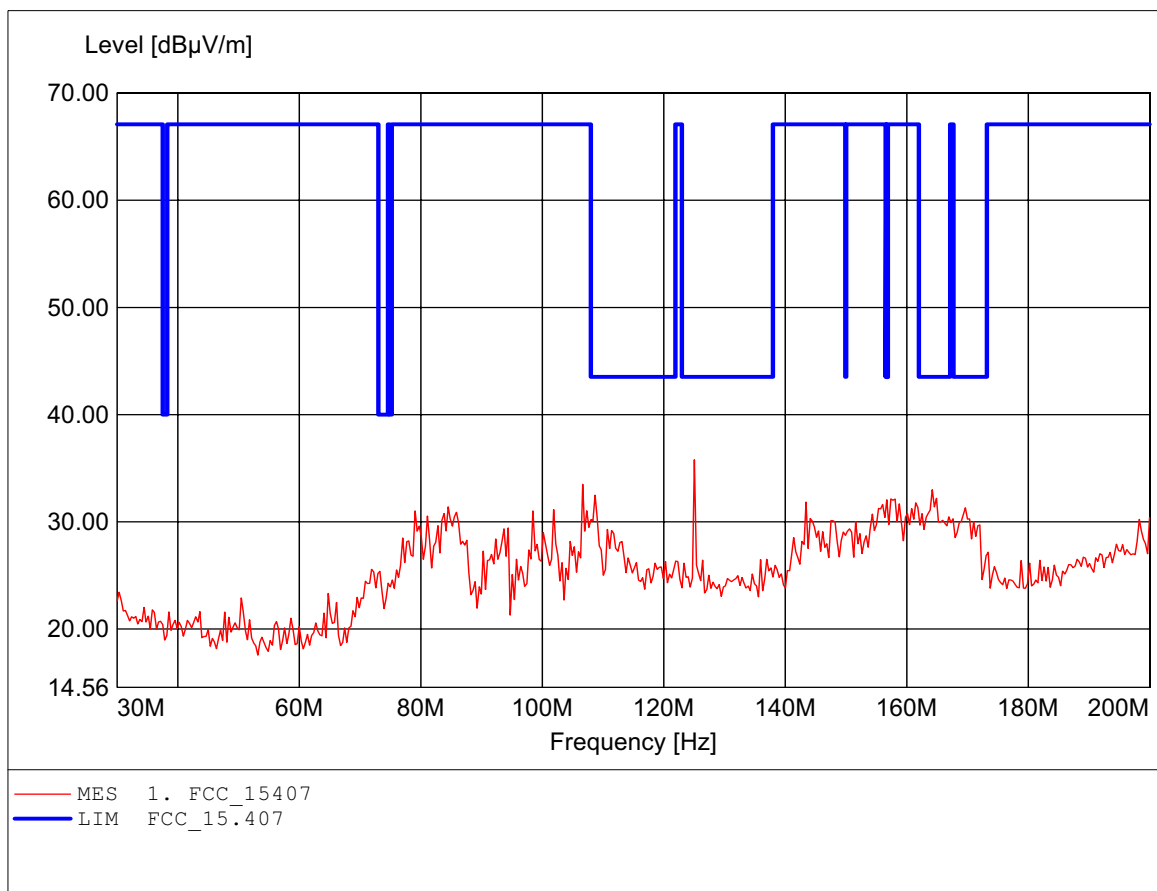
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 169.679MHz, Emax: 36.83dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

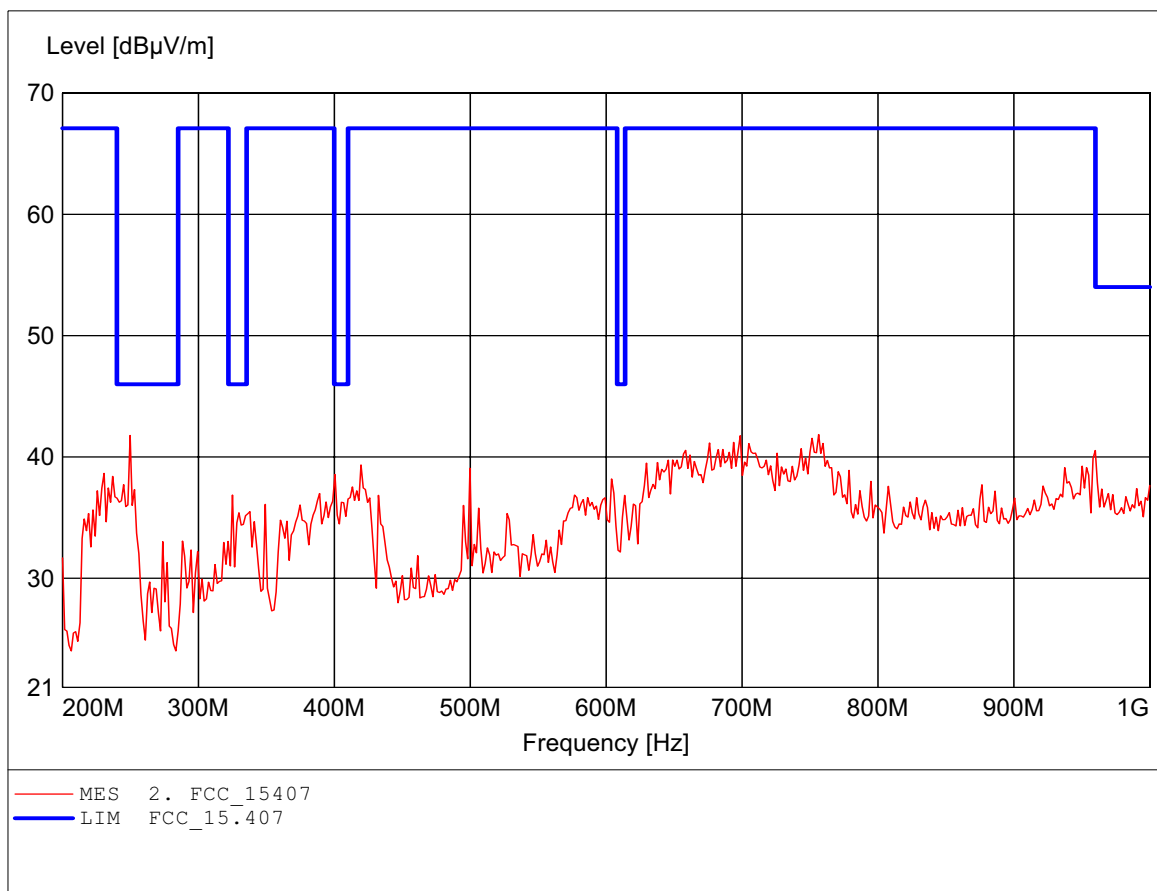
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 125.050MHz, Emax: 35.80dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

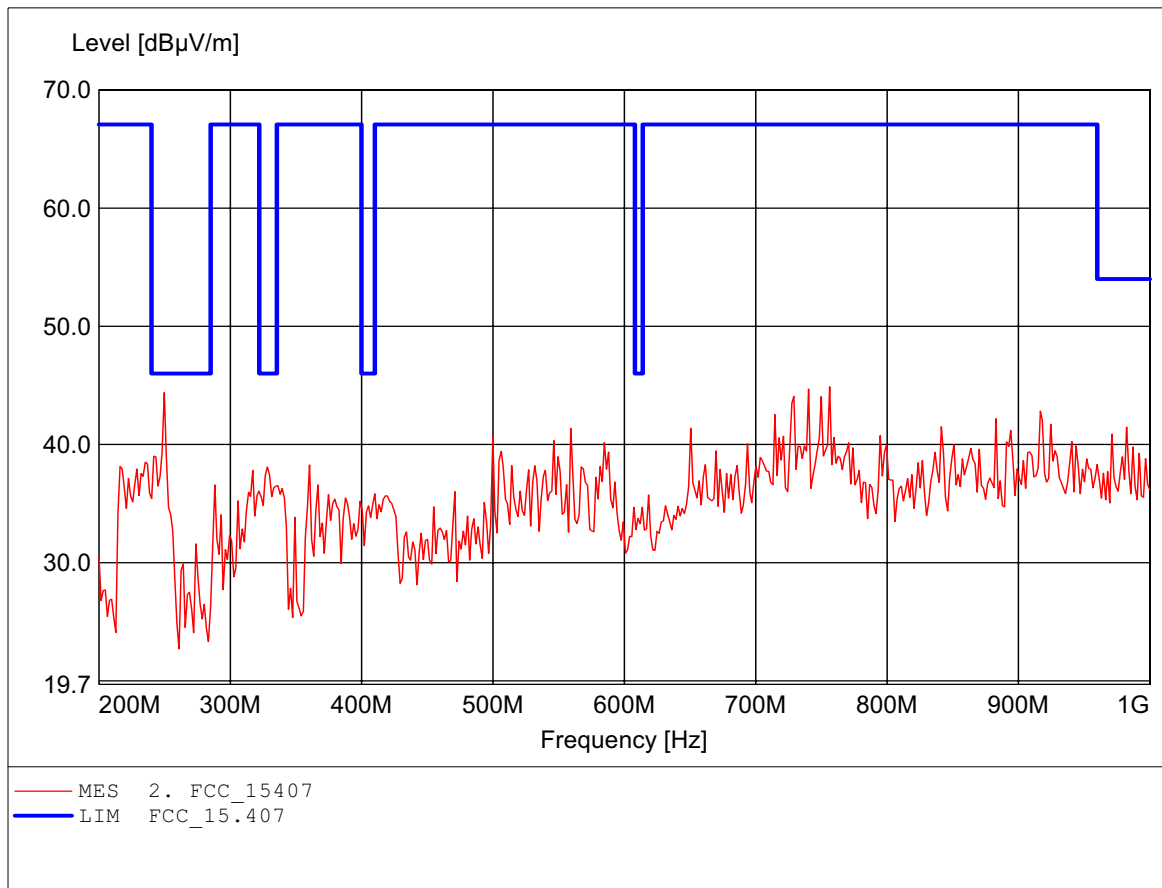
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 756.313MHz, Emax: 41.84dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

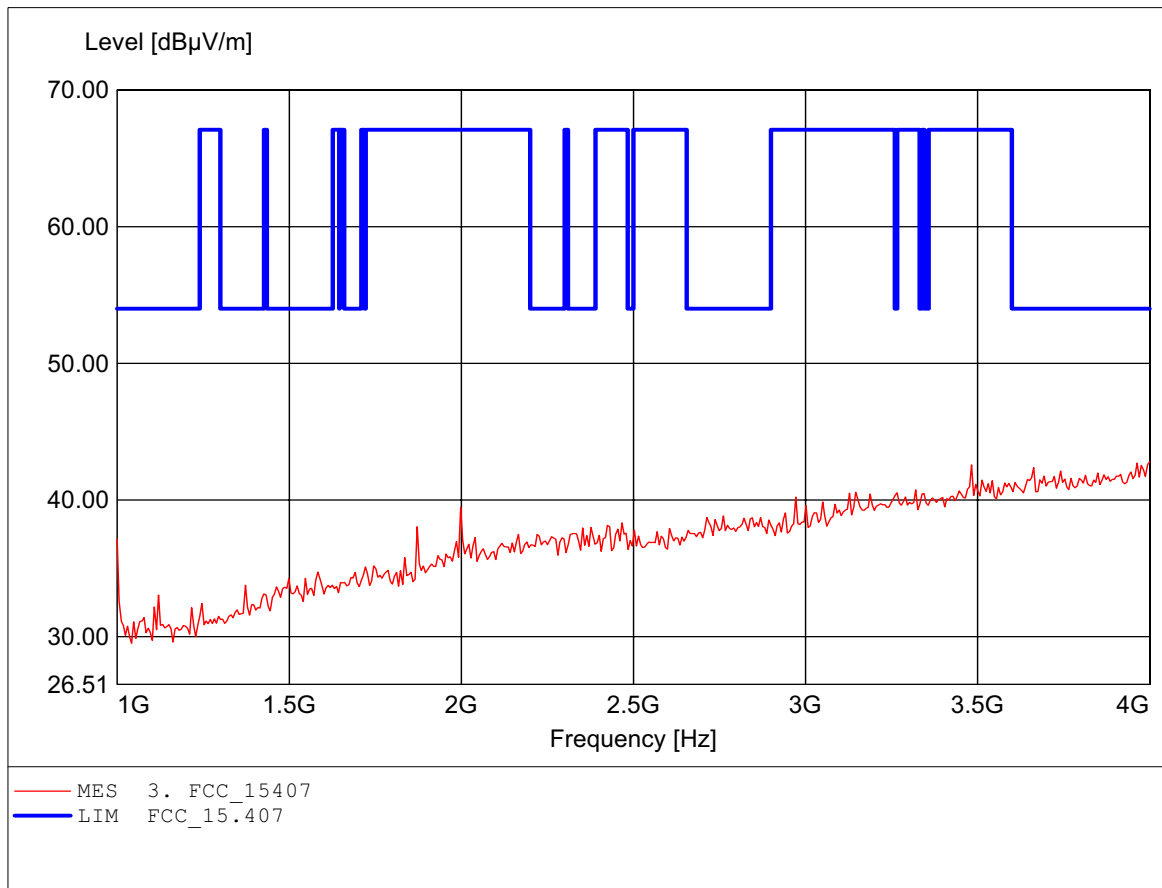
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 756.313MHz, Emax: 44.88dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

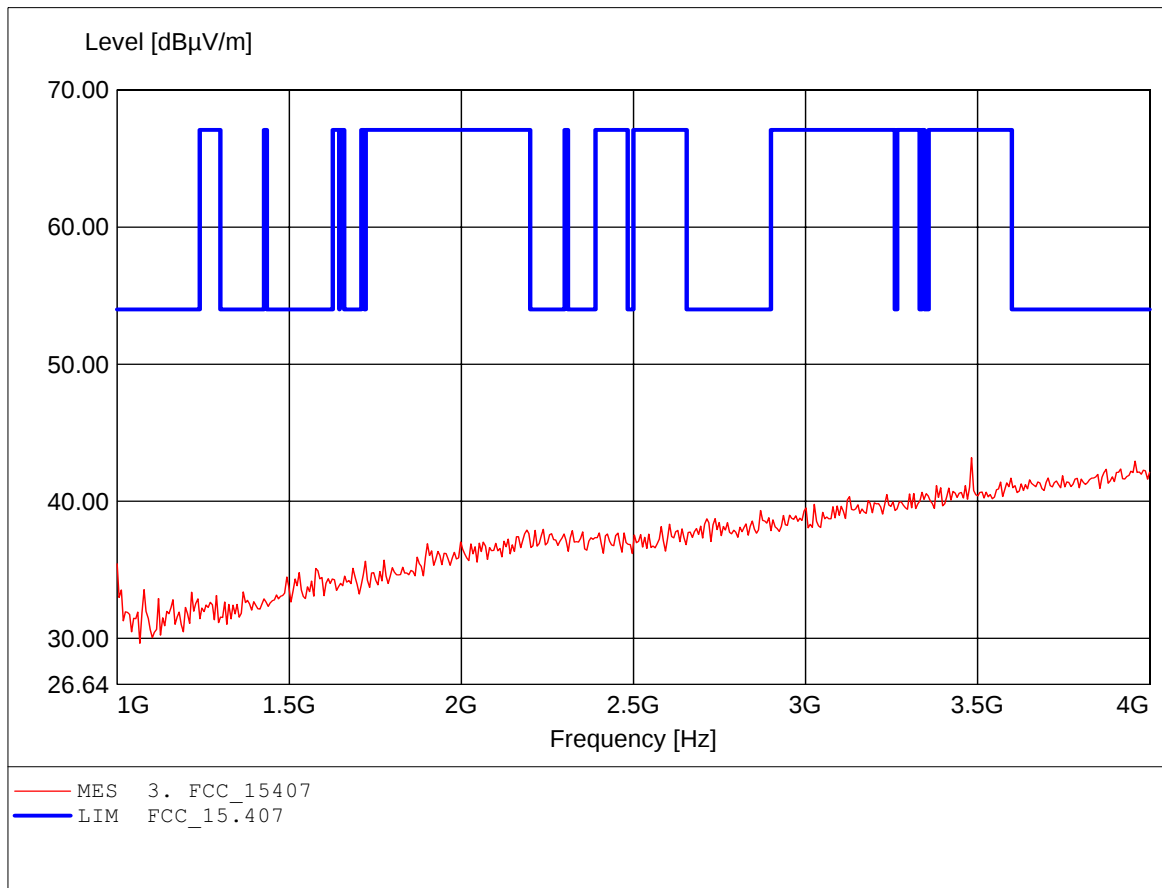
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 4.000GHz, Emax: 42.80dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

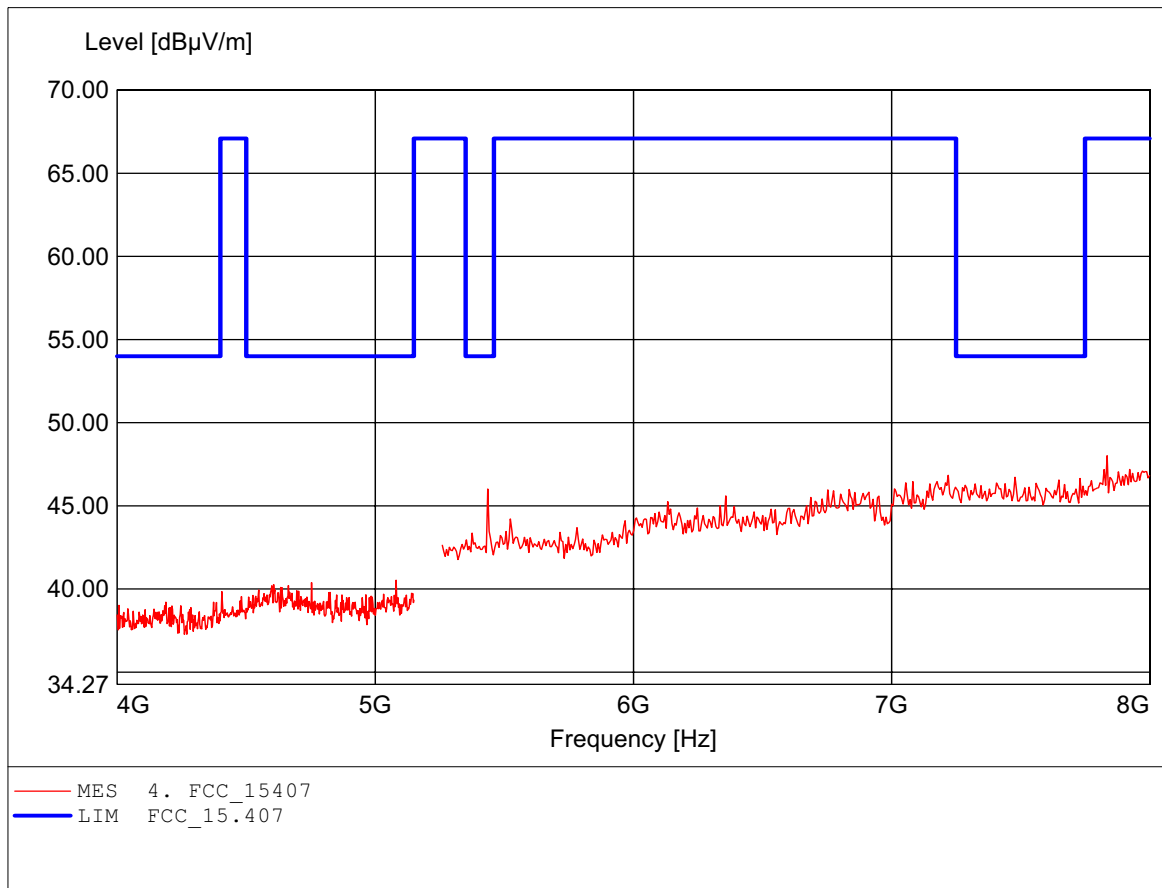
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.483GHz, Emax: 43.18dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

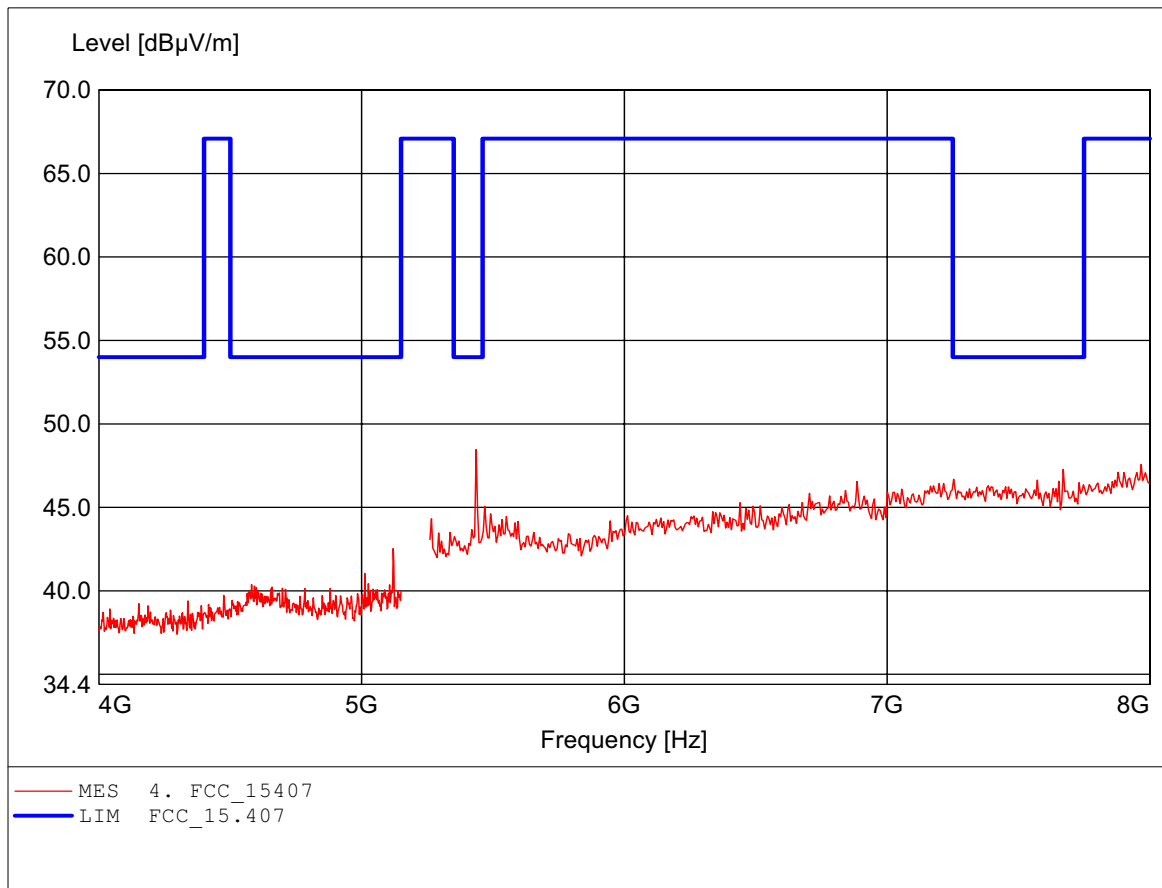
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.835GHz, Emax: 48.02dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

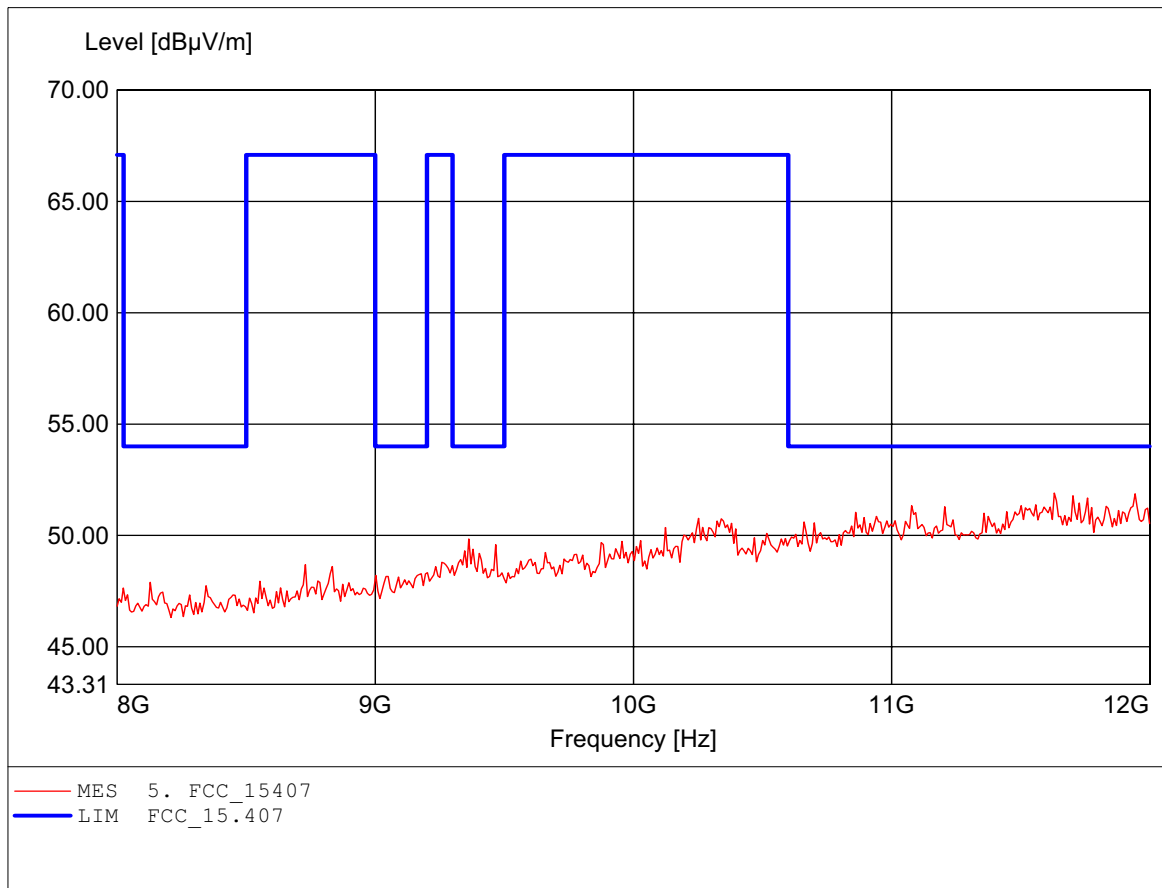
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.436GHz, Emax: 48.46dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

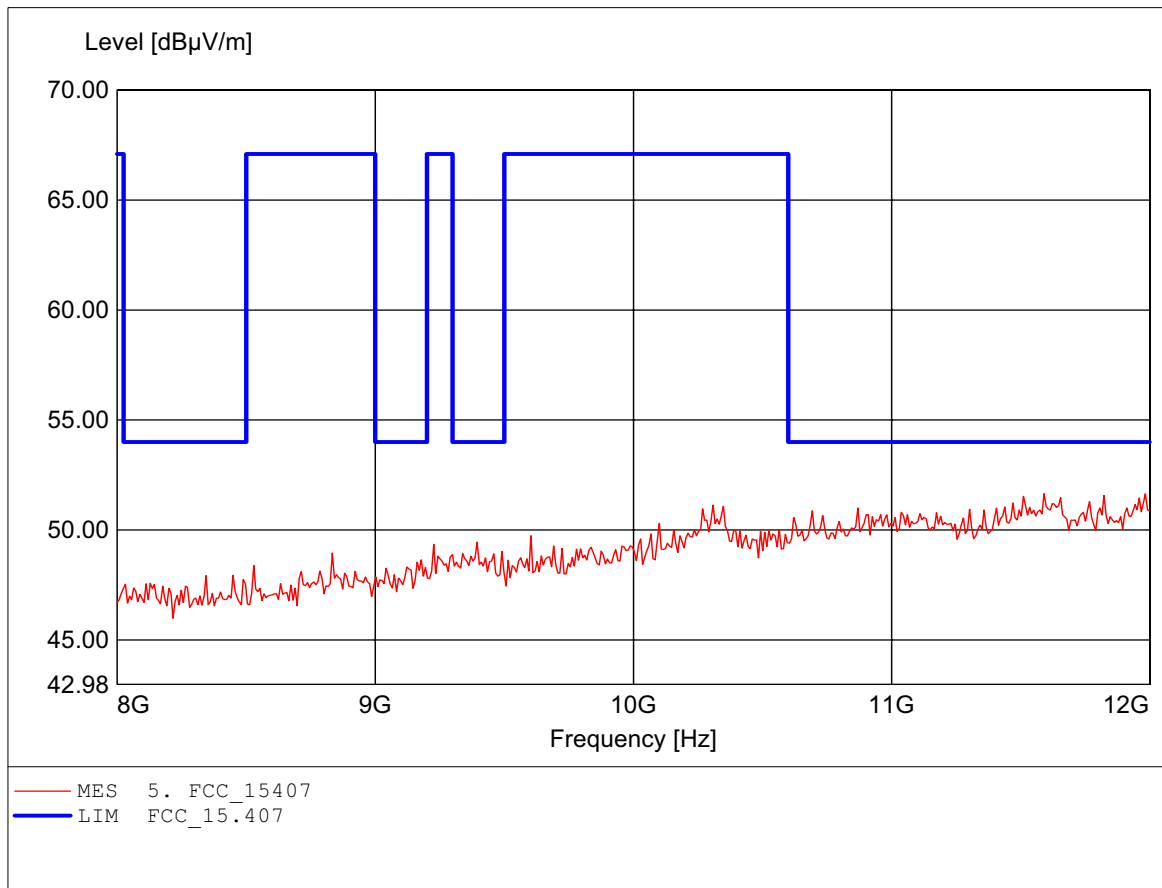
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.631GHz, Emax: 51.90dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

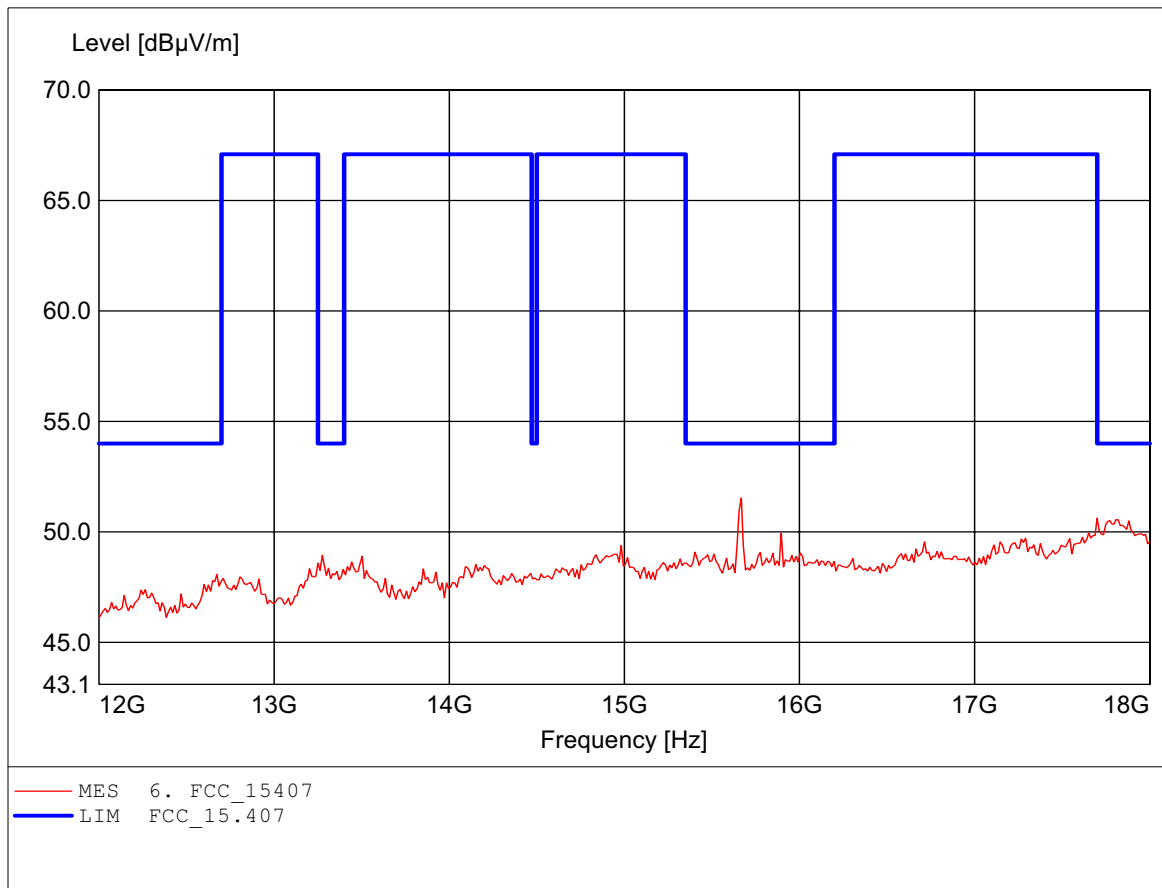
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.591GHz, Emax: 51.65dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

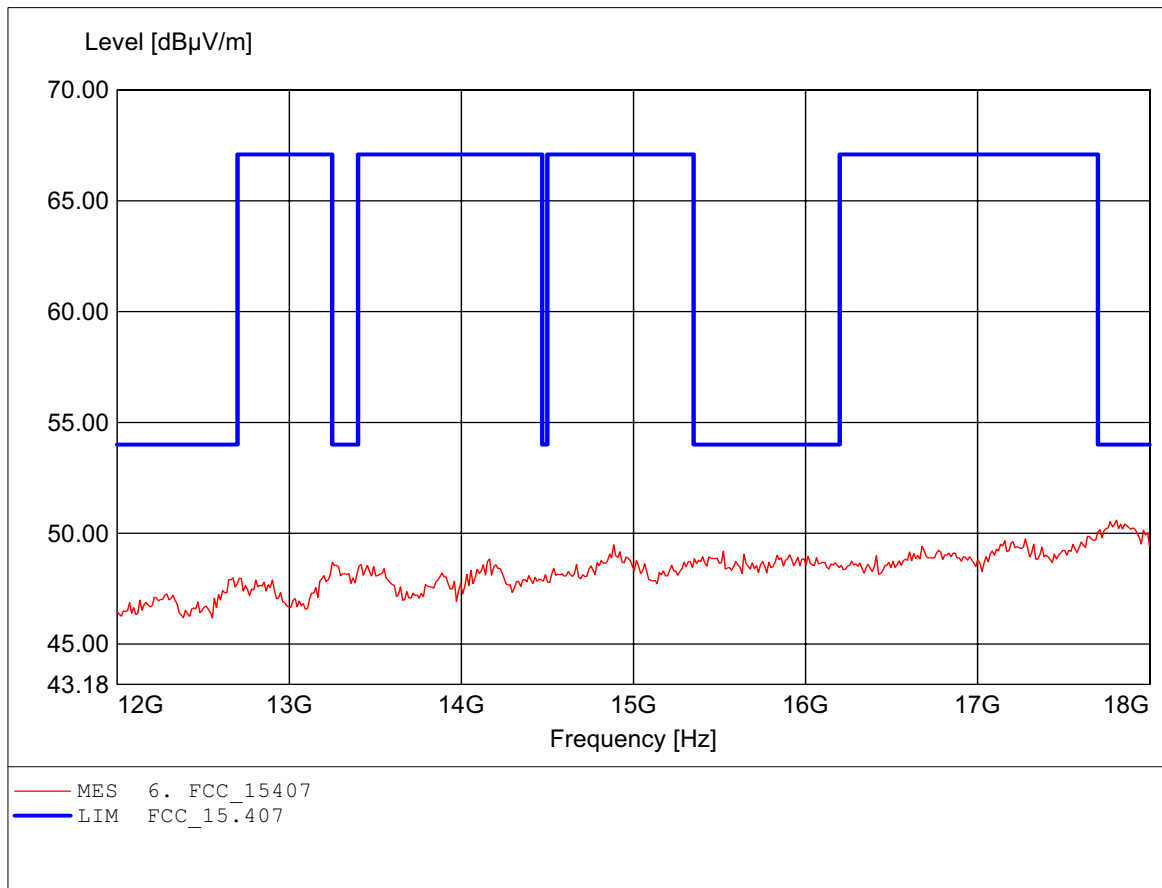
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 15.667GHz, Emax: 51.53dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

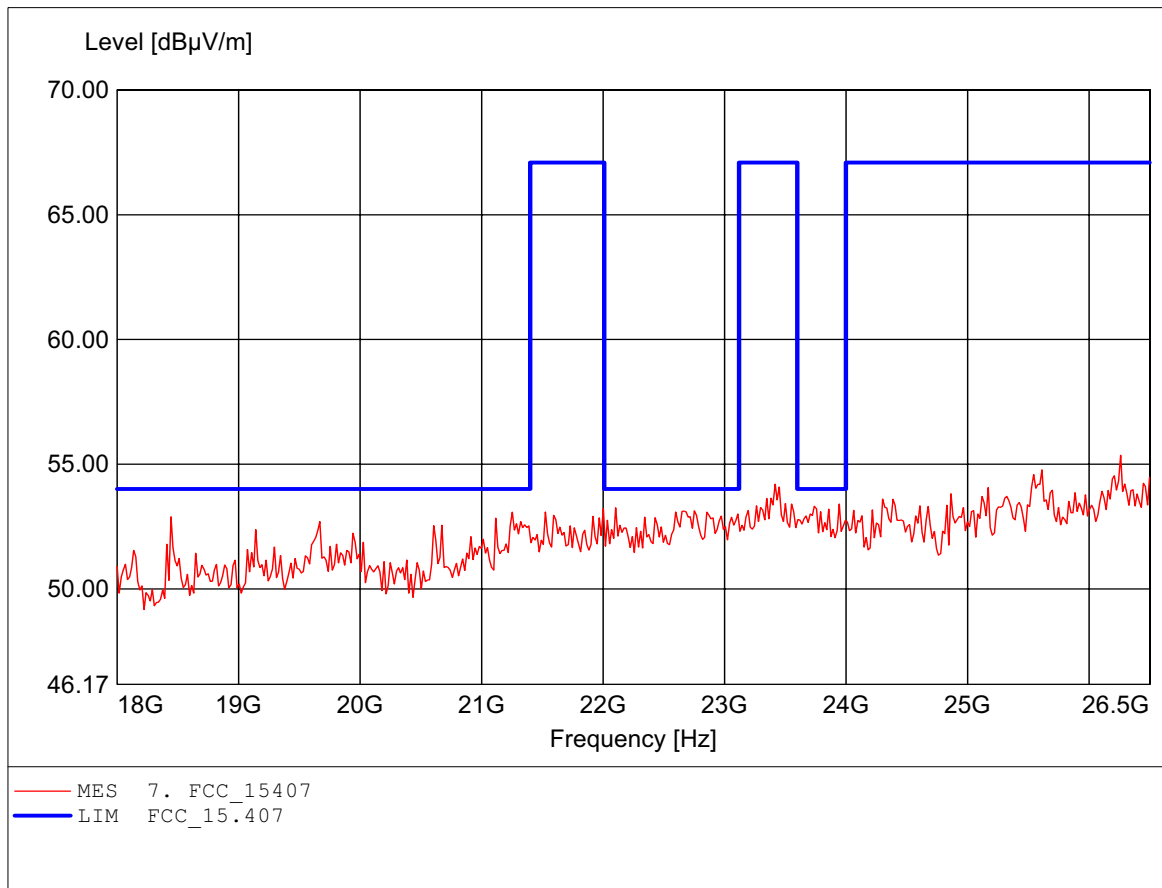
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.808GHz, Emax: 50.59dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

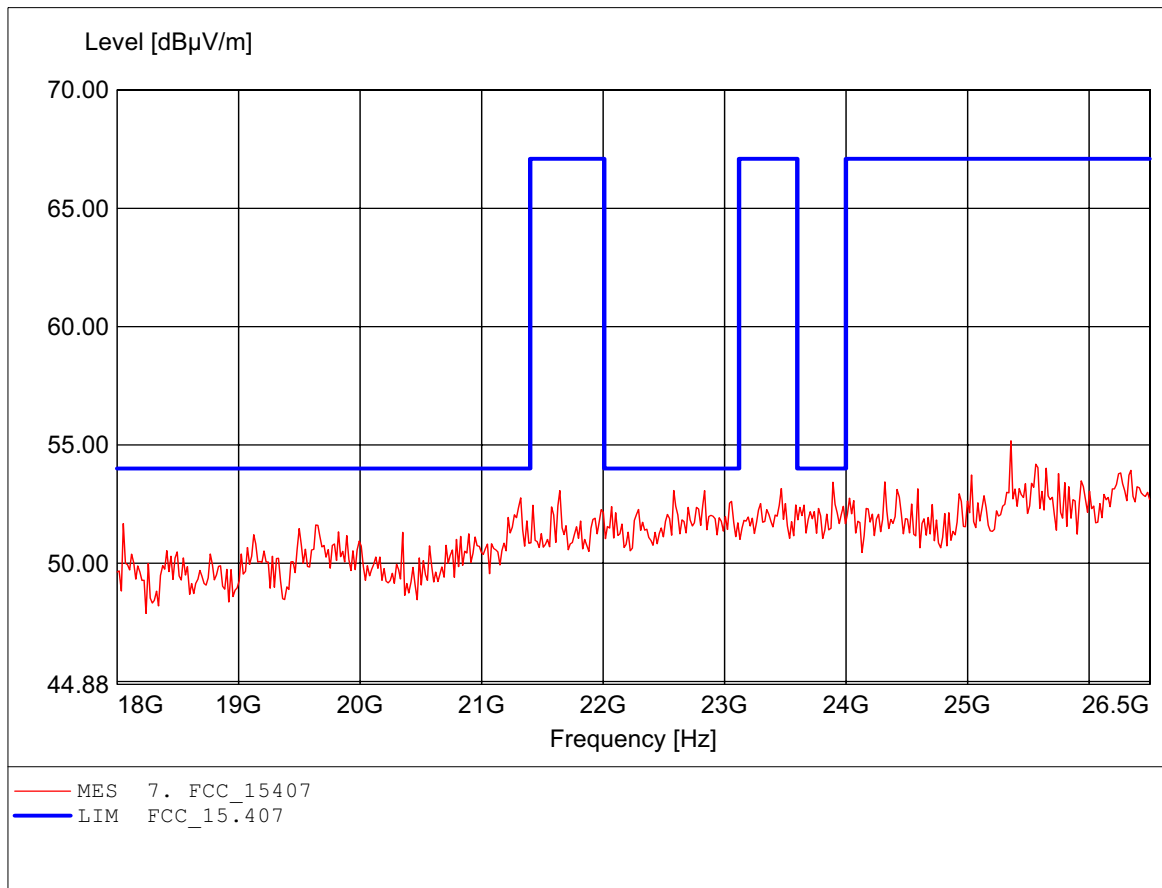
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.262GHz, Emax: 55.35dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

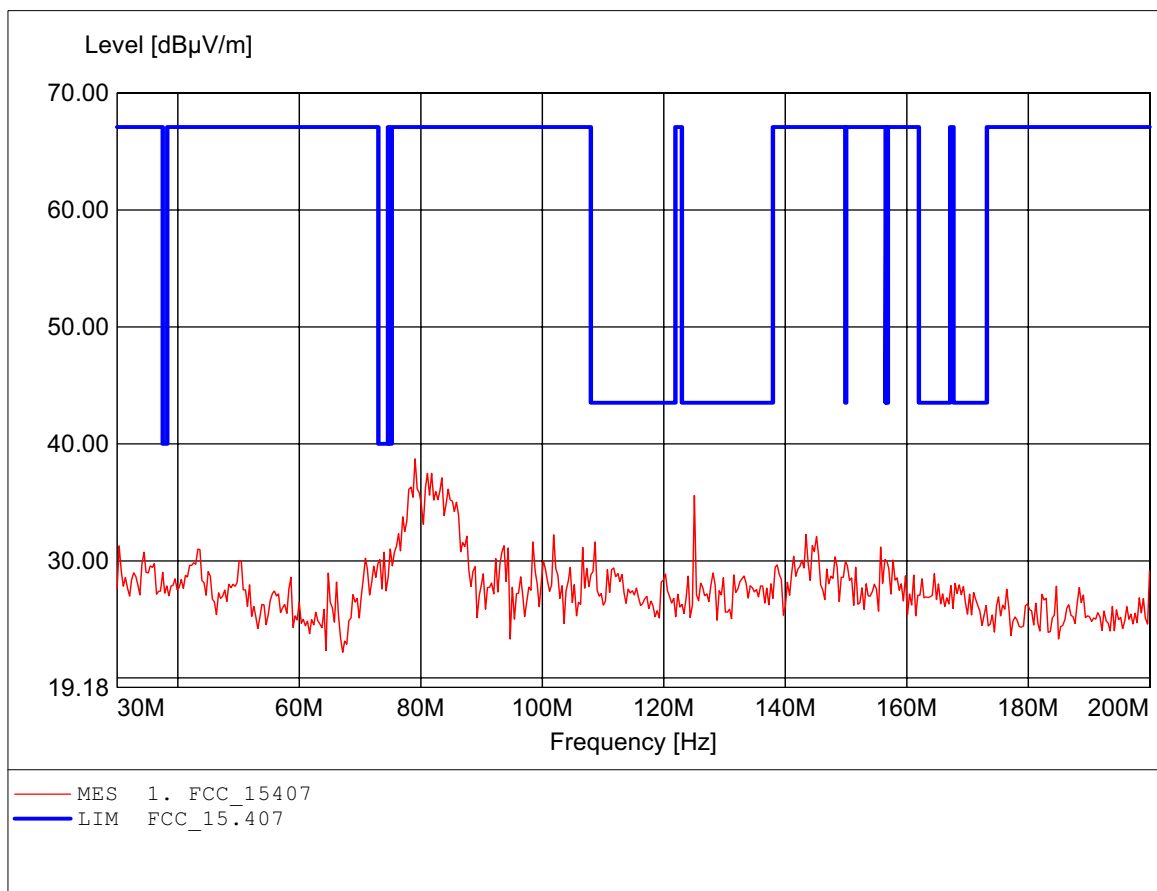
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.359GHz, Emax: 55.17dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

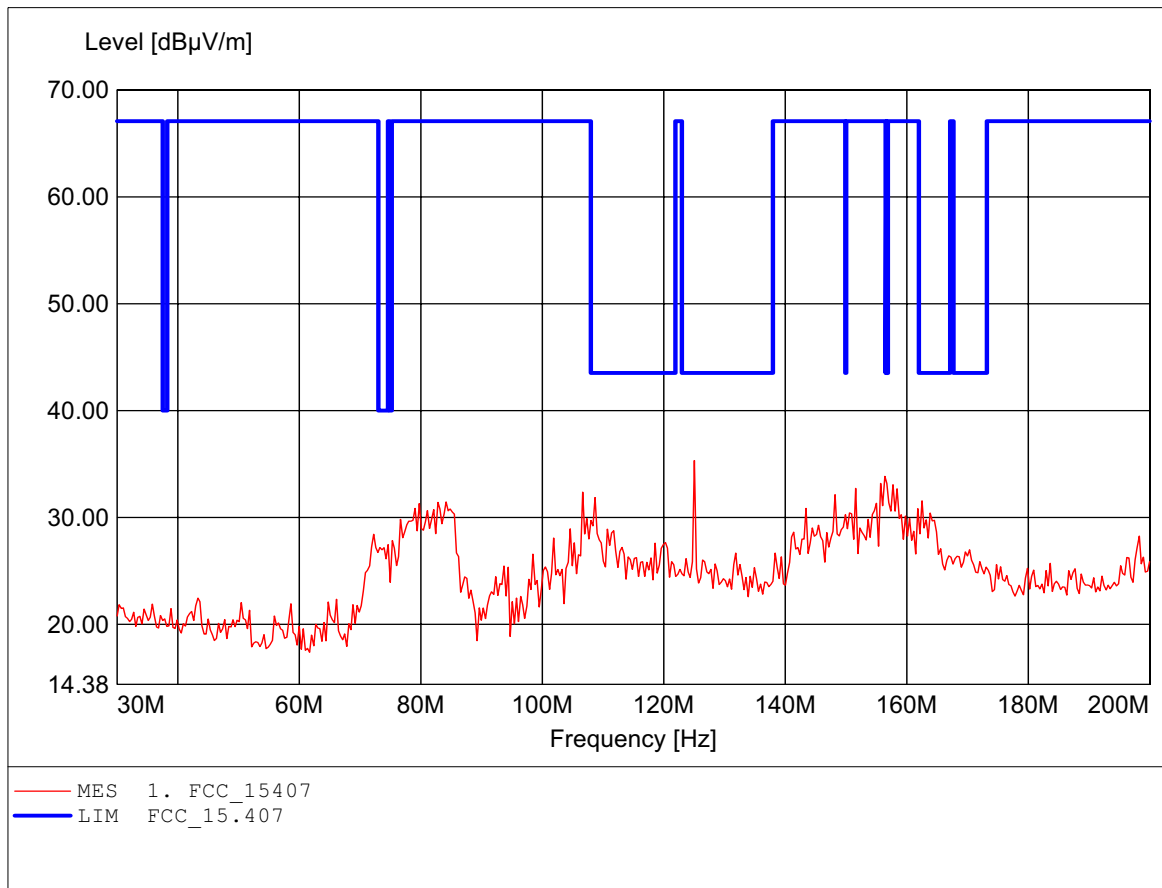
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 79.058MHz, Emax: 38.72dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

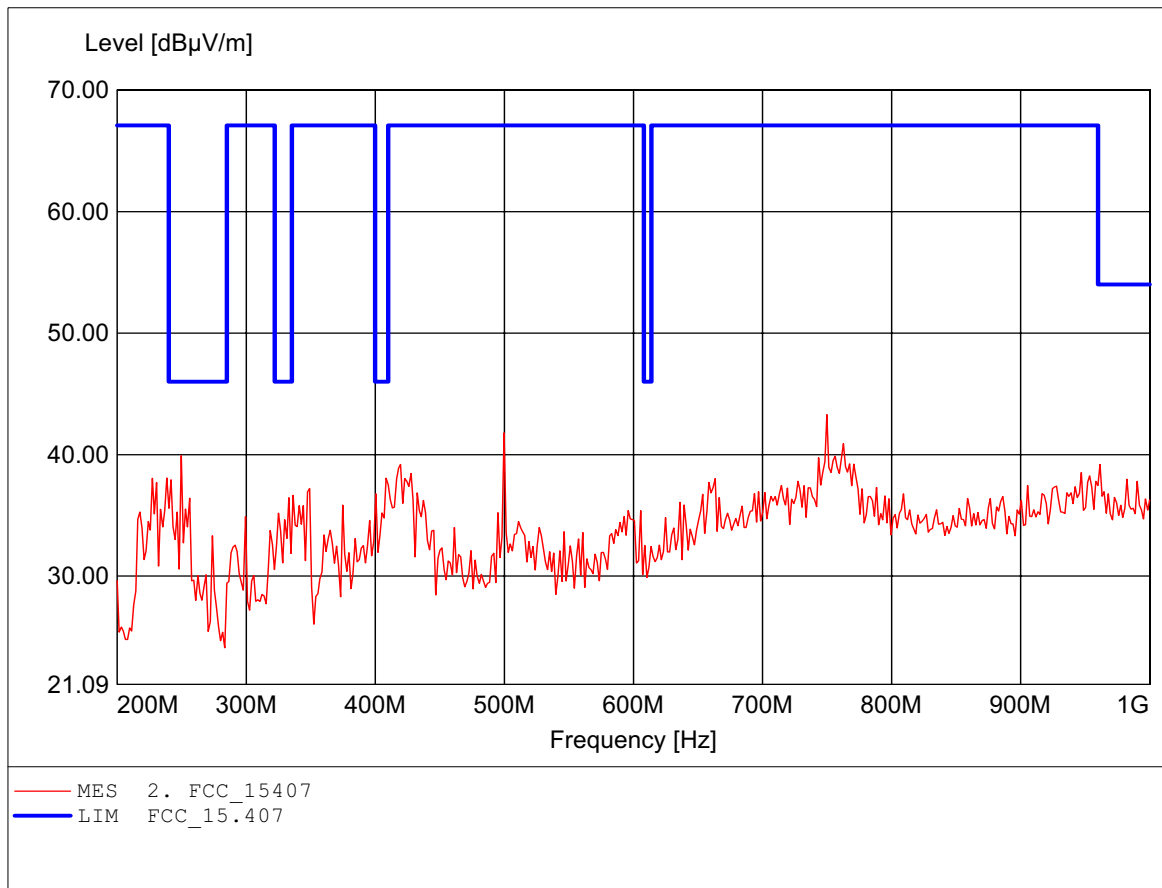
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 125.050MHz, Emax: 35.33dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

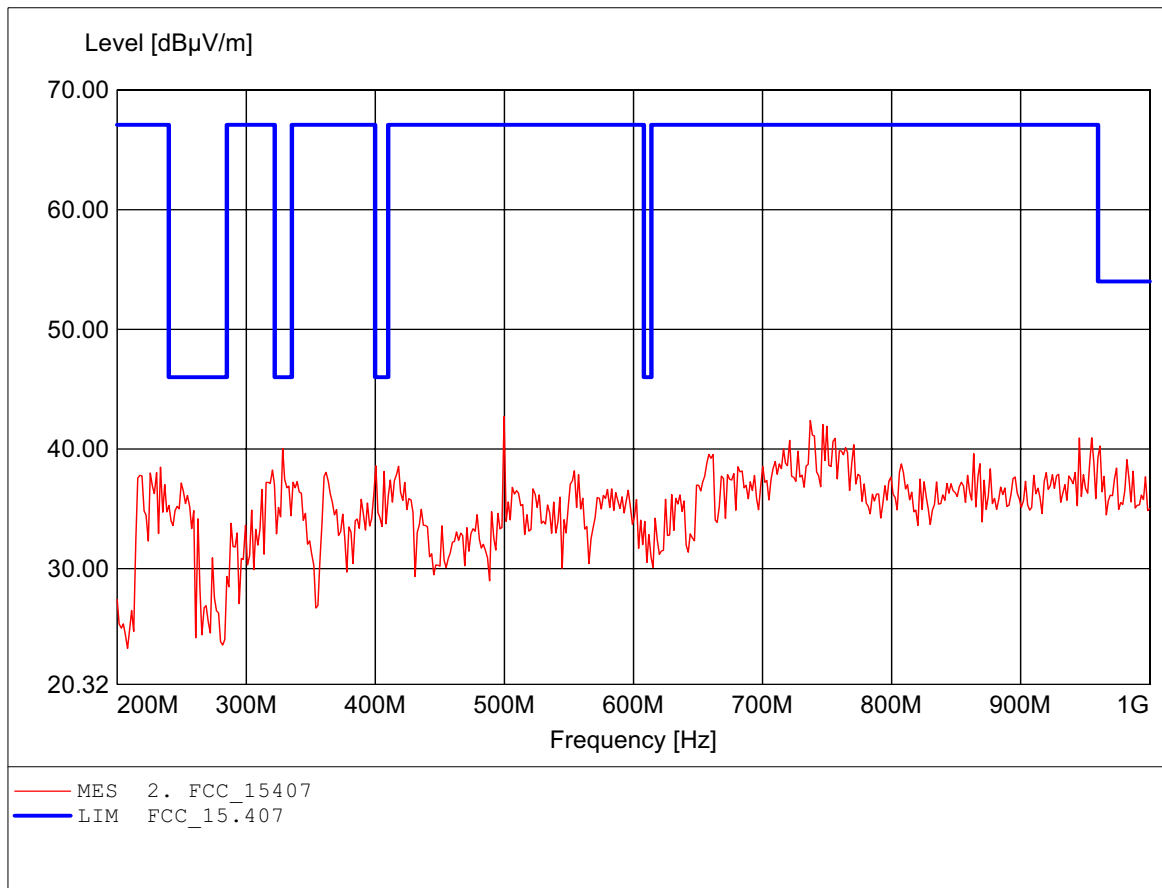
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 749.900MHz, Emax: 43.28dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

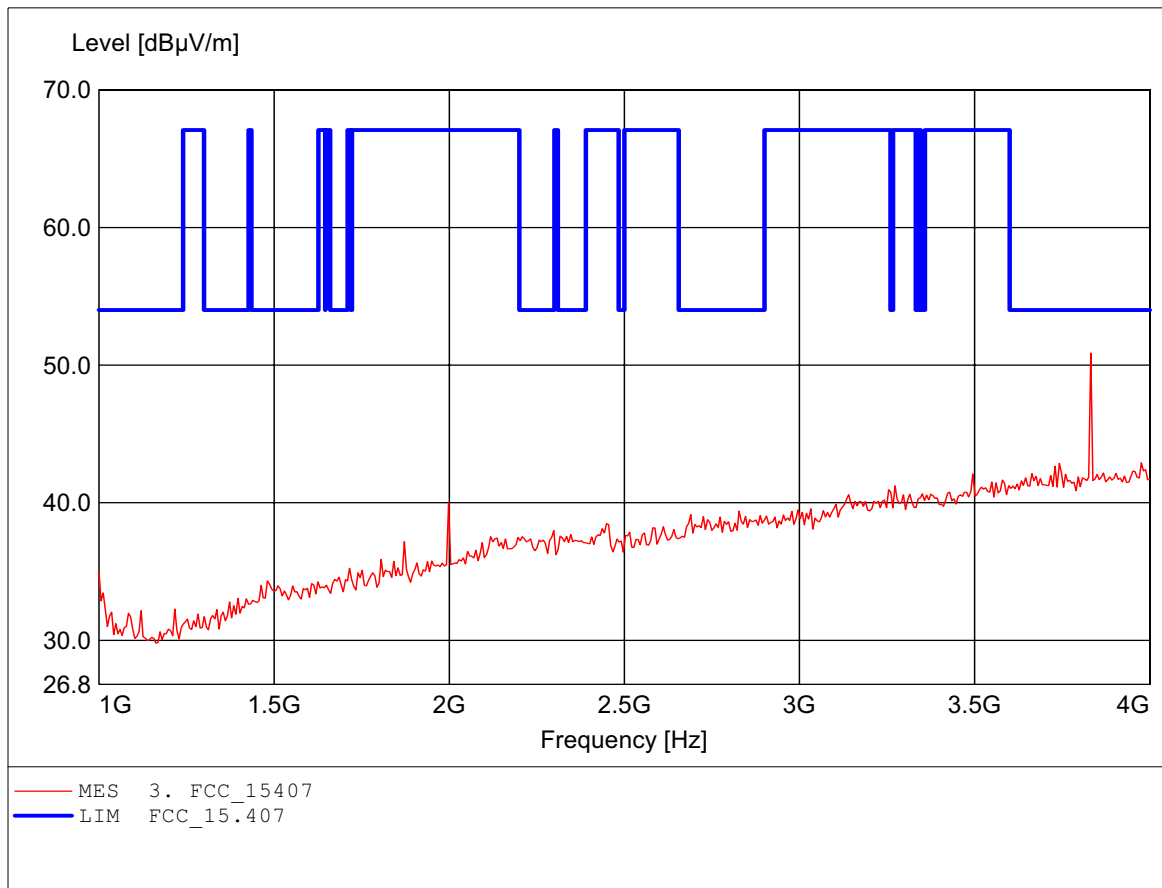
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 499.800MHz, Emax: 42.70dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

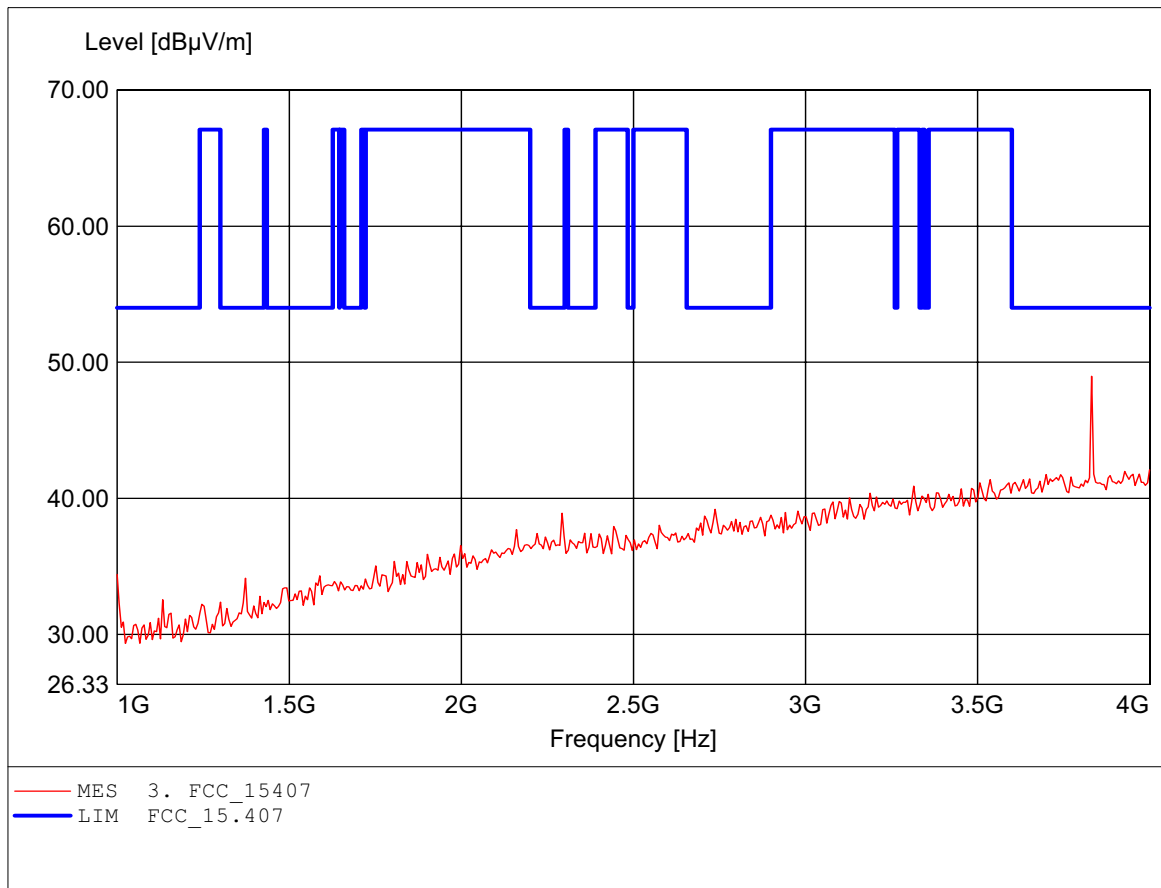
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.832GHz, Emax: 50.87dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

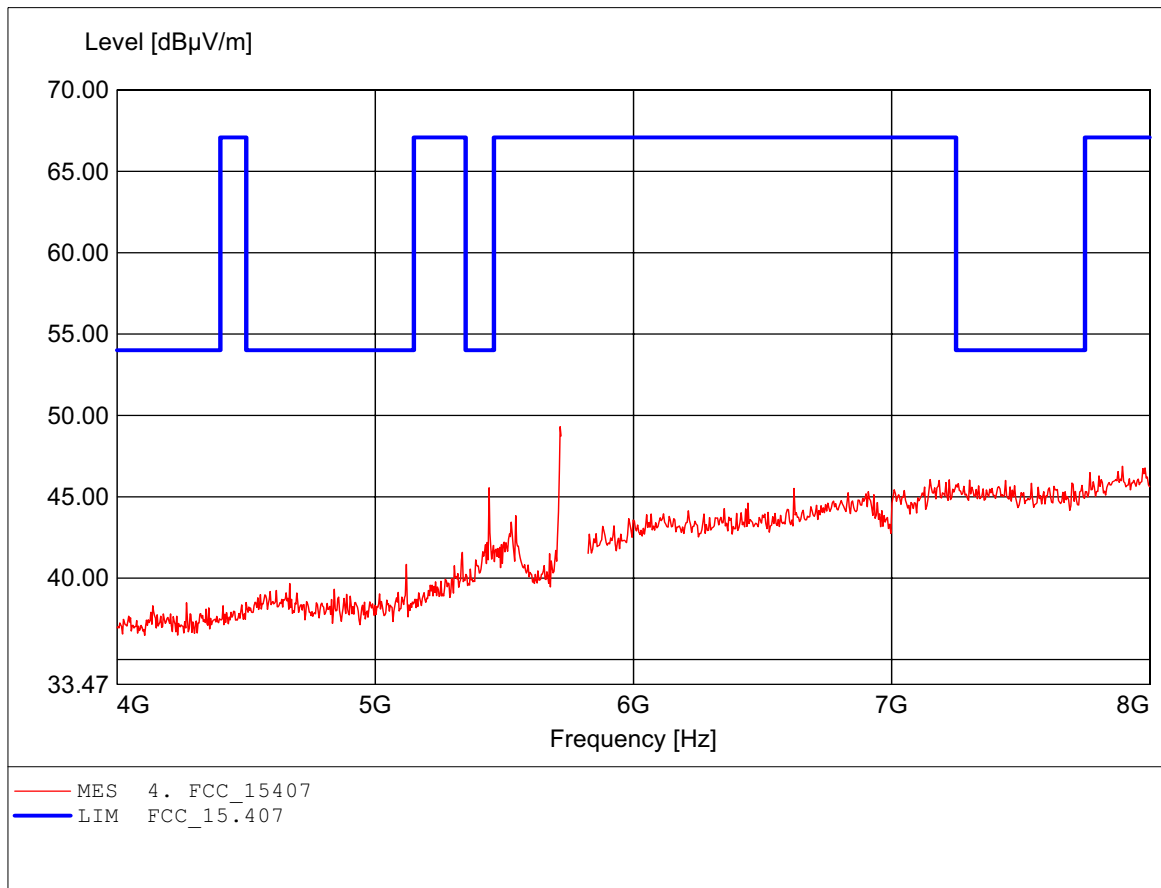
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.832GHz, Emax: 48.97dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

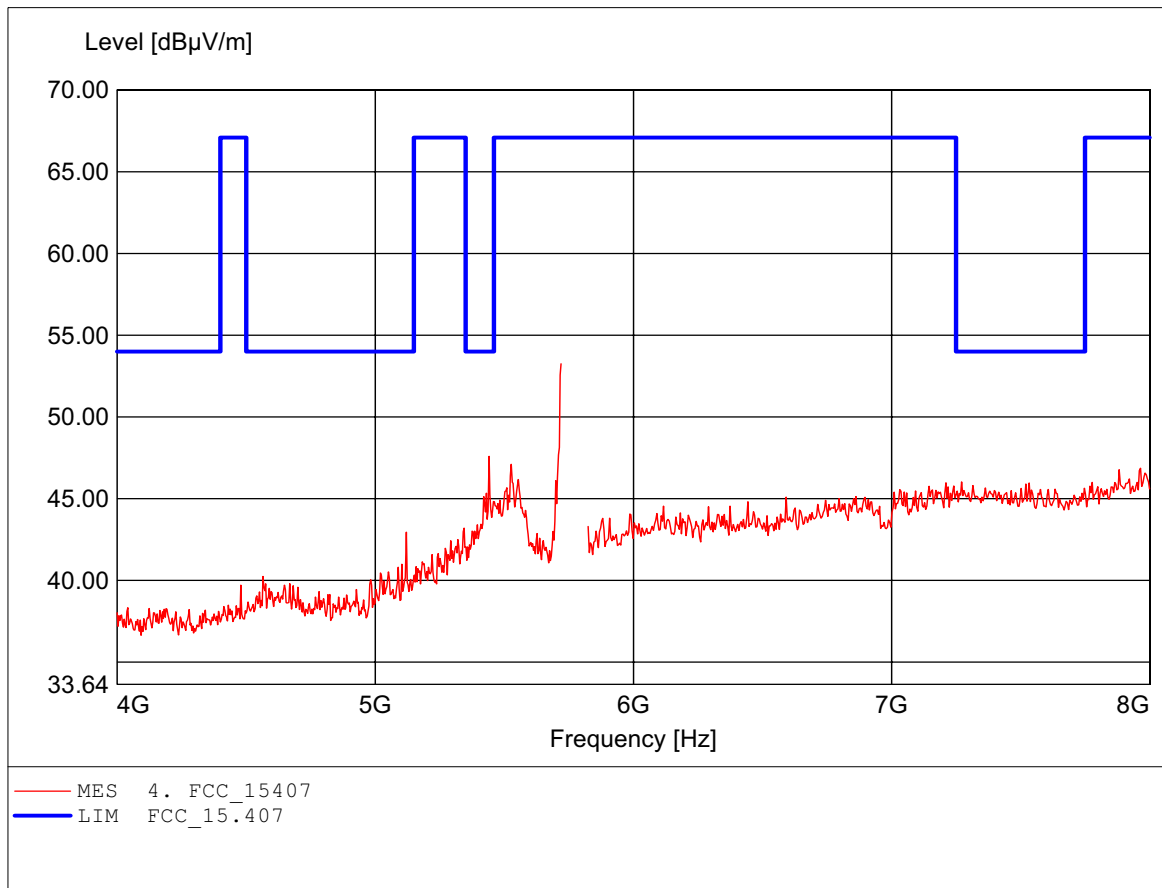
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.717GHz, Emax: 49.31dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

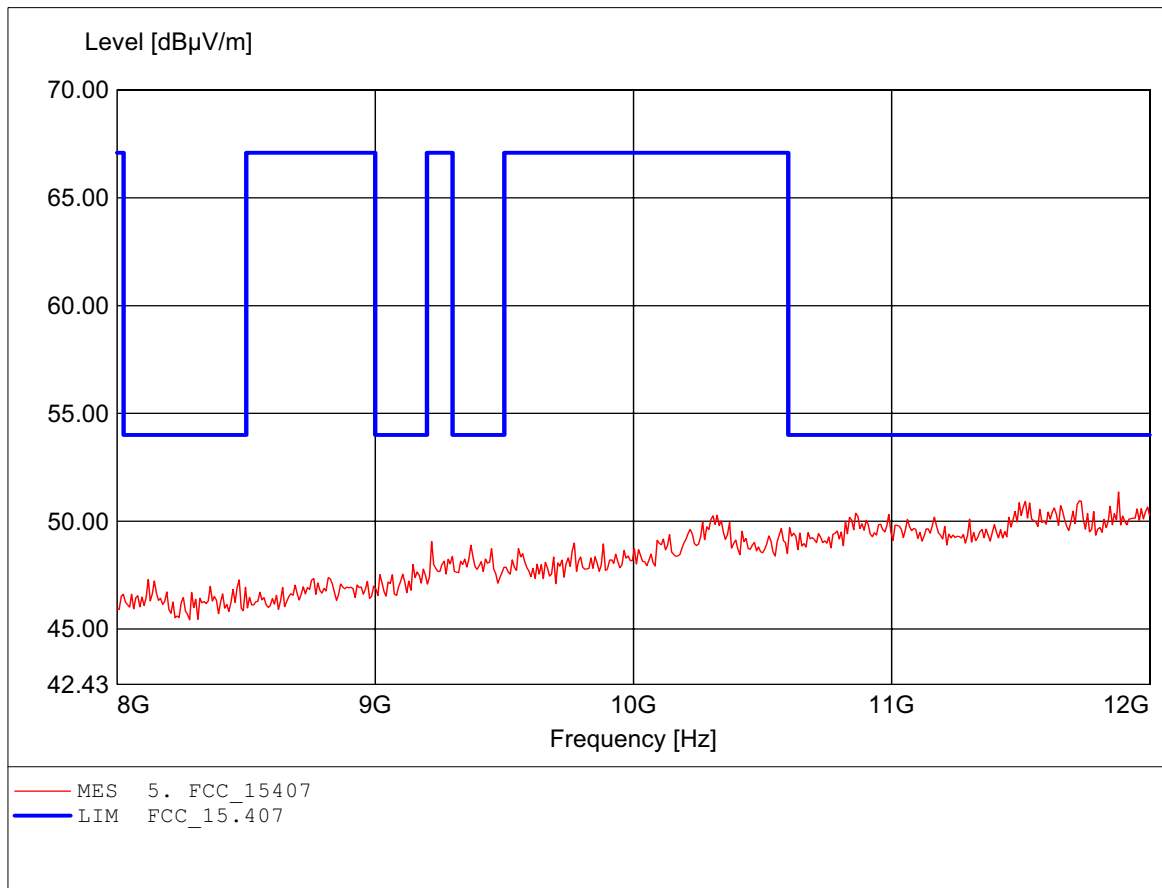
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.720GHz, Emax: 53.25dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

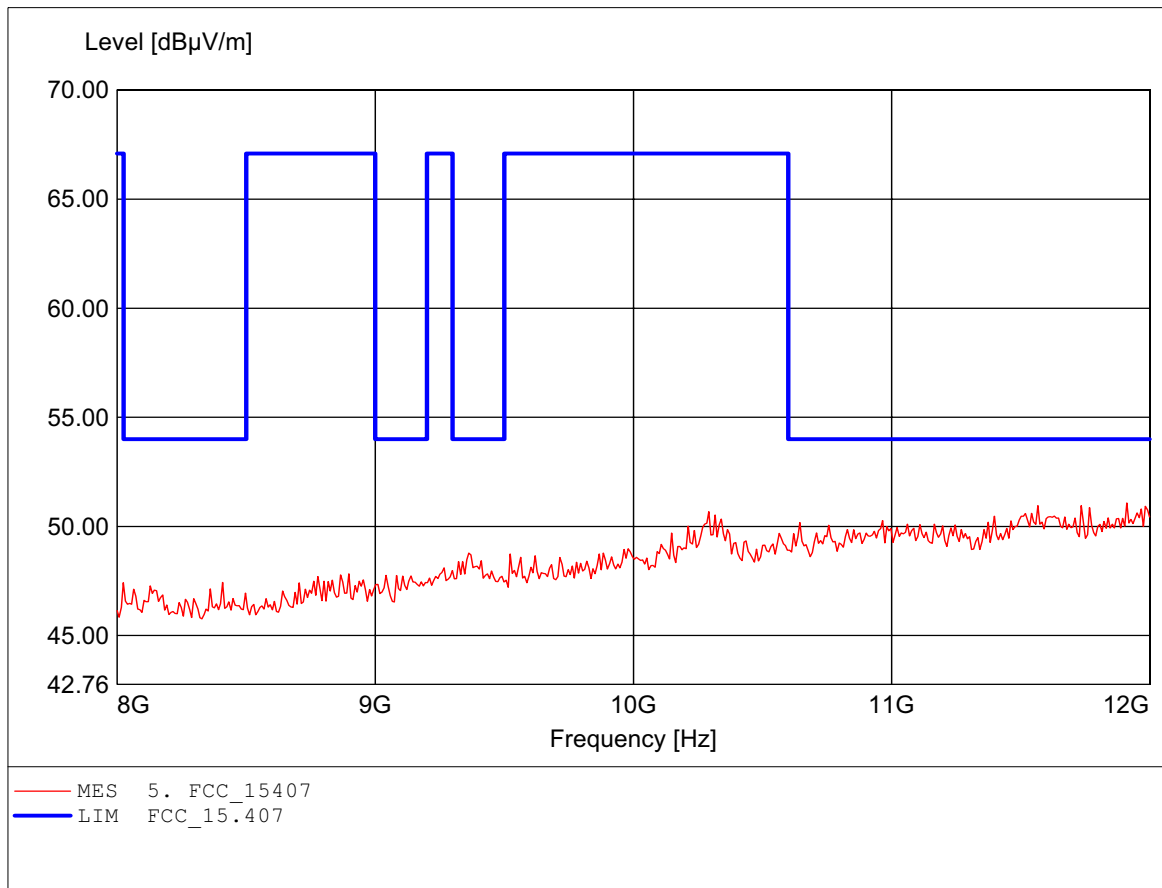
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.880GHz, Emax: 51.35dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

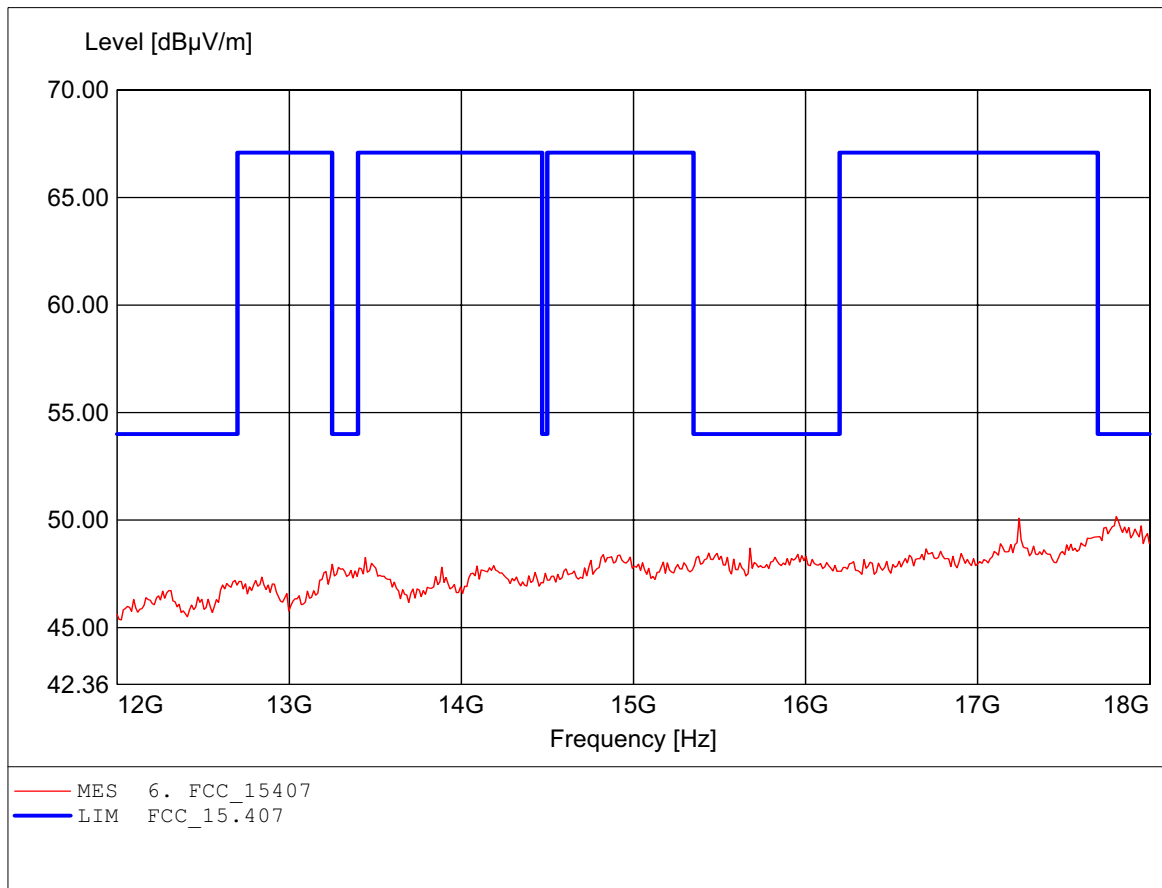
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.912GHz, Emax: 51.07dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

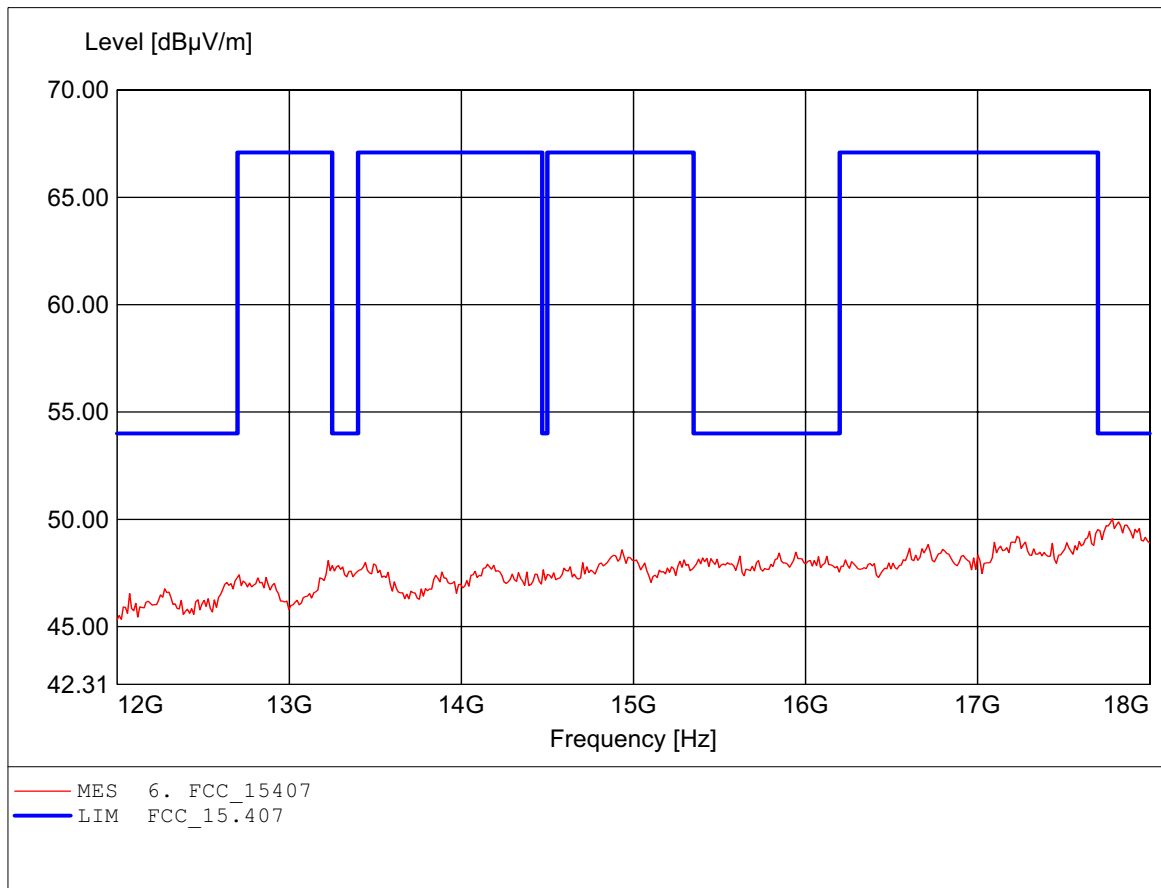
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.808GHz, Emax: 50.17dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

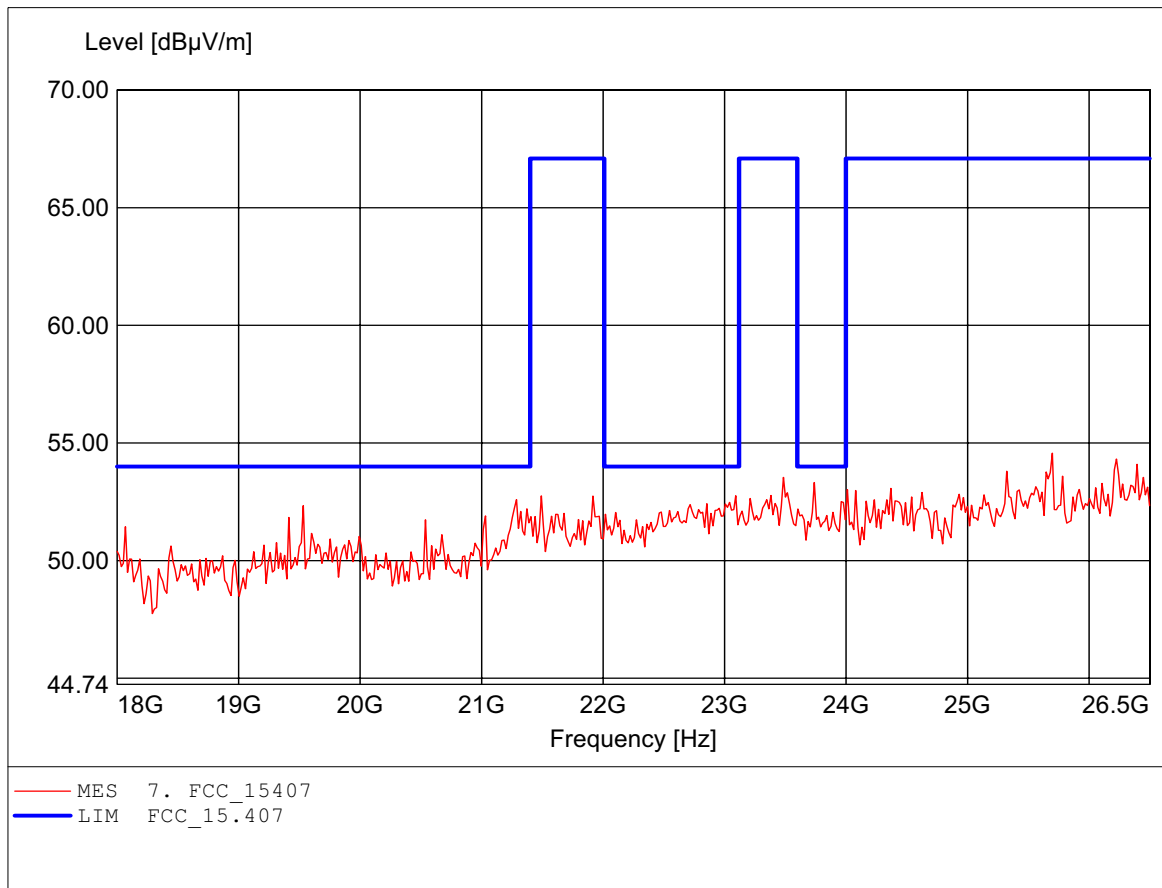
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.784GHz, Emax: 50.02dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

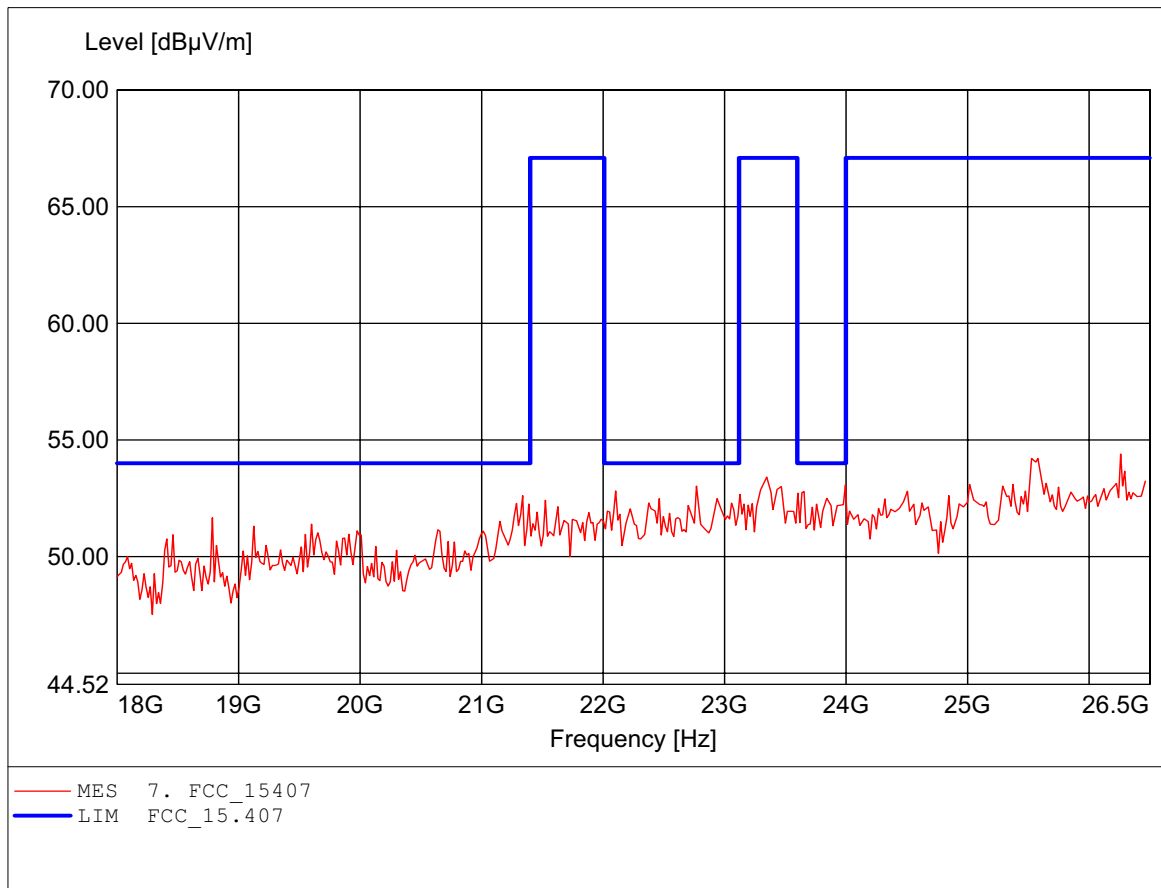
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.699GHz, Emax: 54.56dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

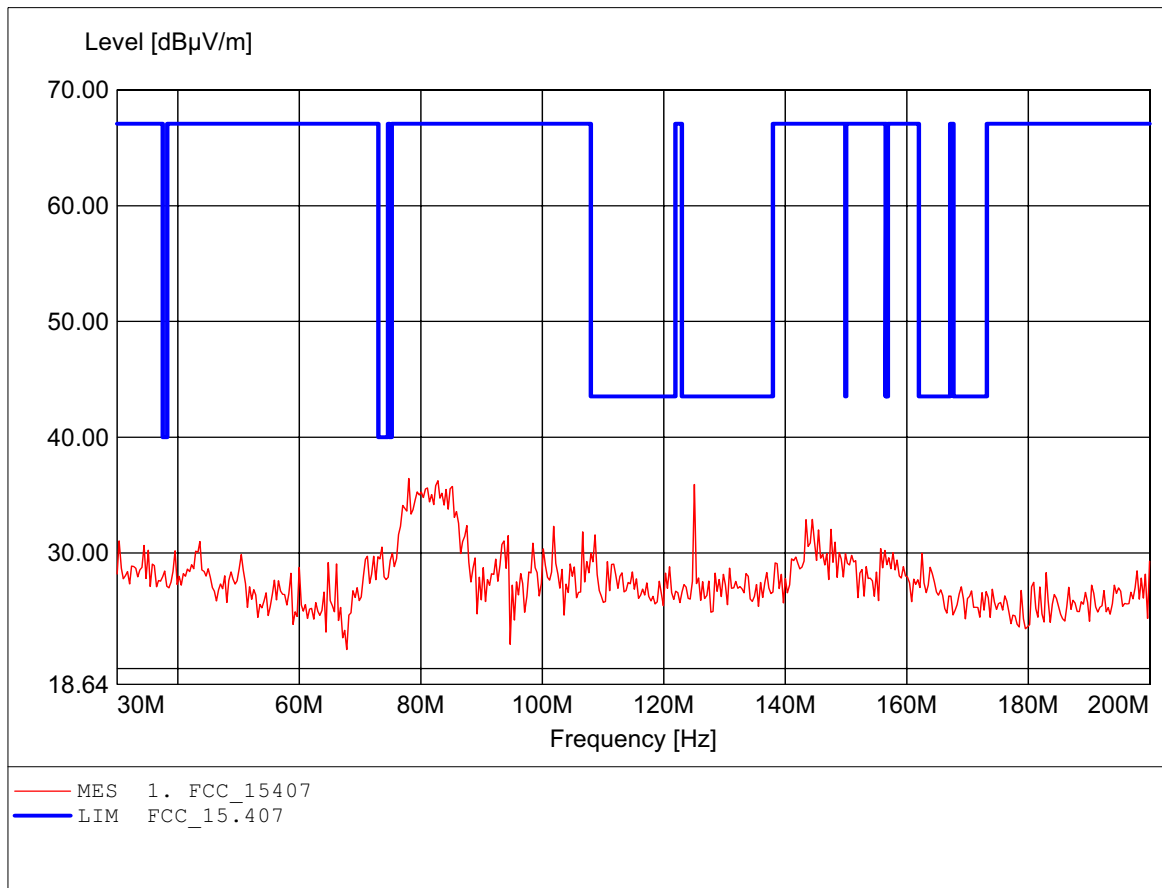
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Sampo Corporation Digital Produ
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.262GHz, Emax: 54.40dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

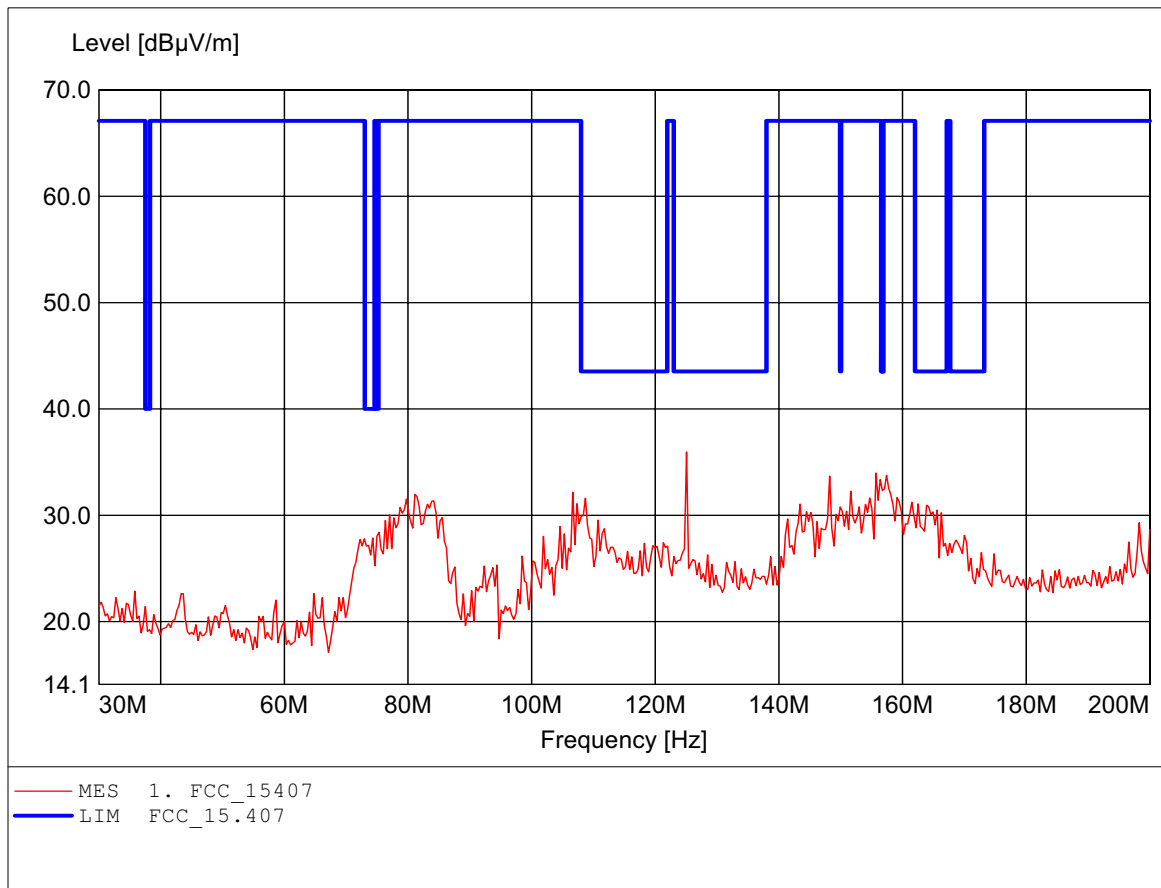
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 78.036MHz, Emax: 36.44dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

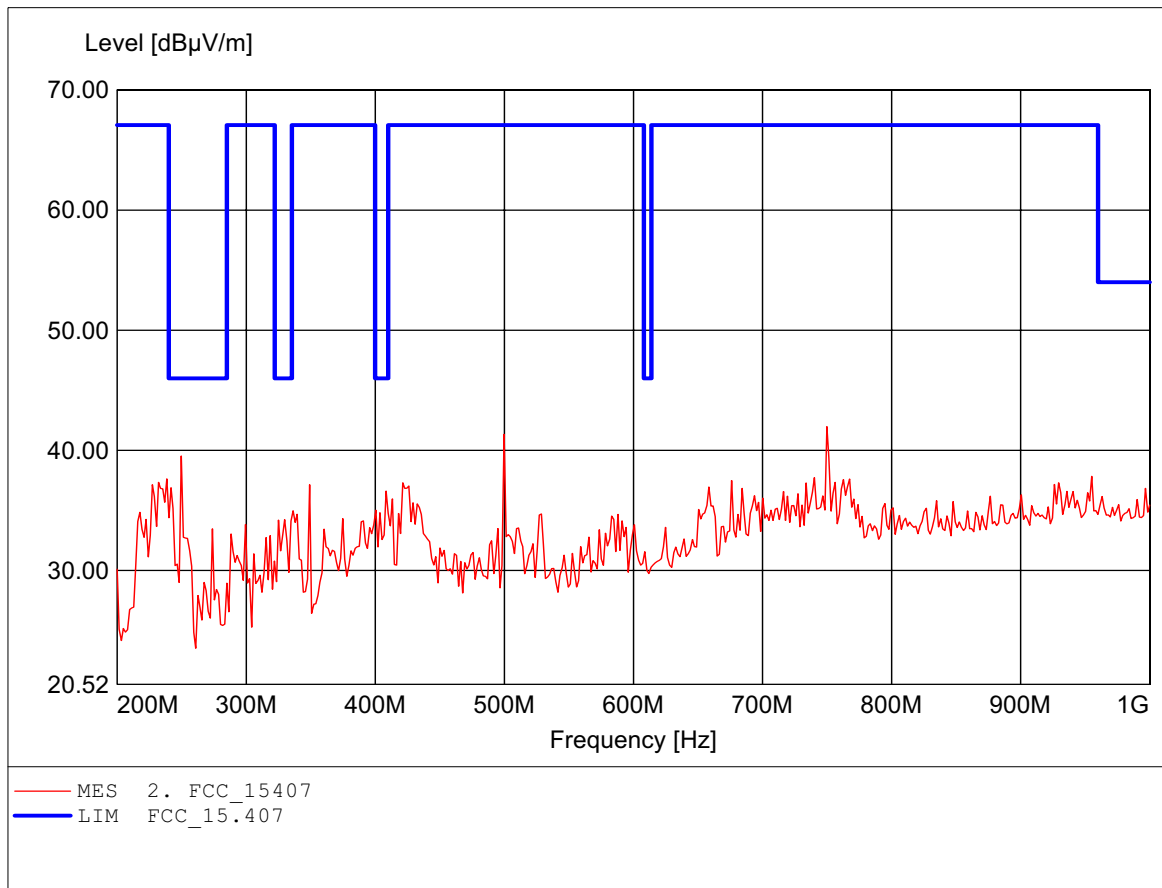
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 125.050MHz, Emax: 35.95dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

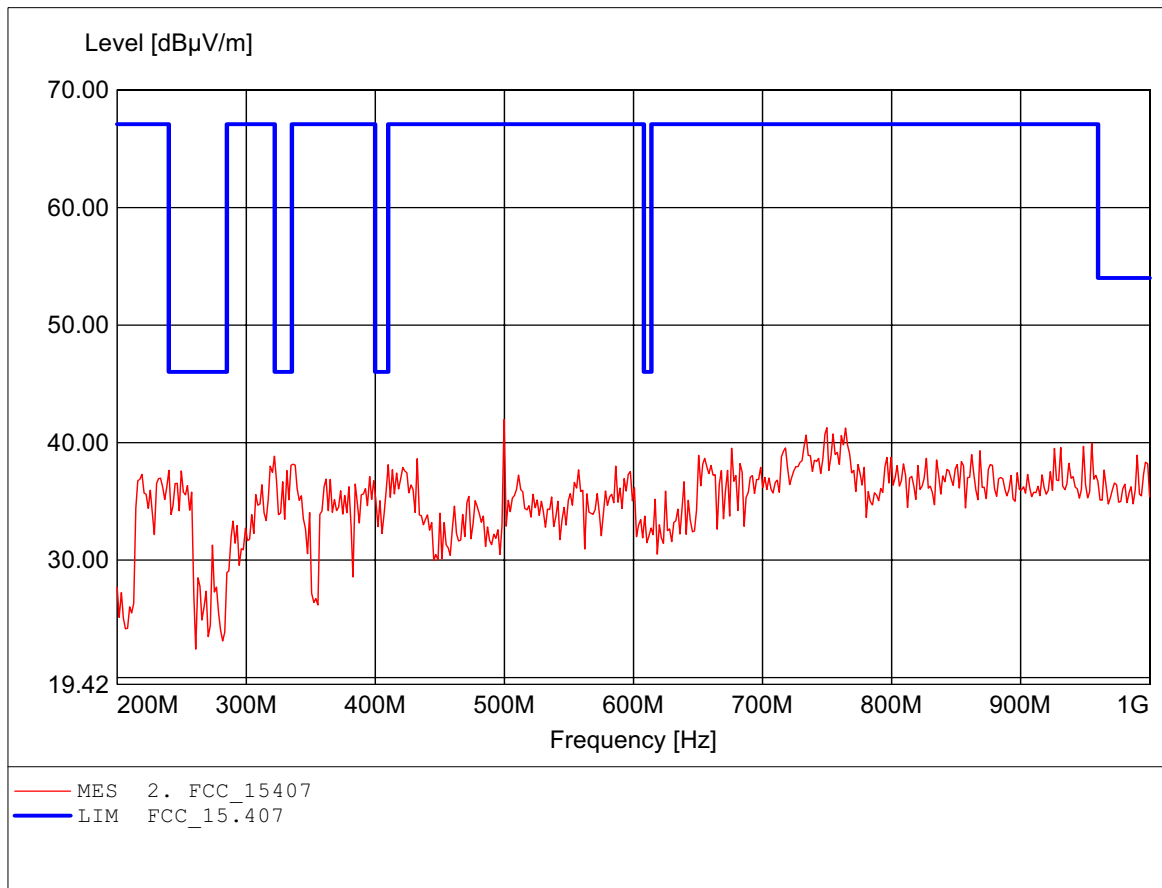
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 749.900MHz, Emax: 41.98dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

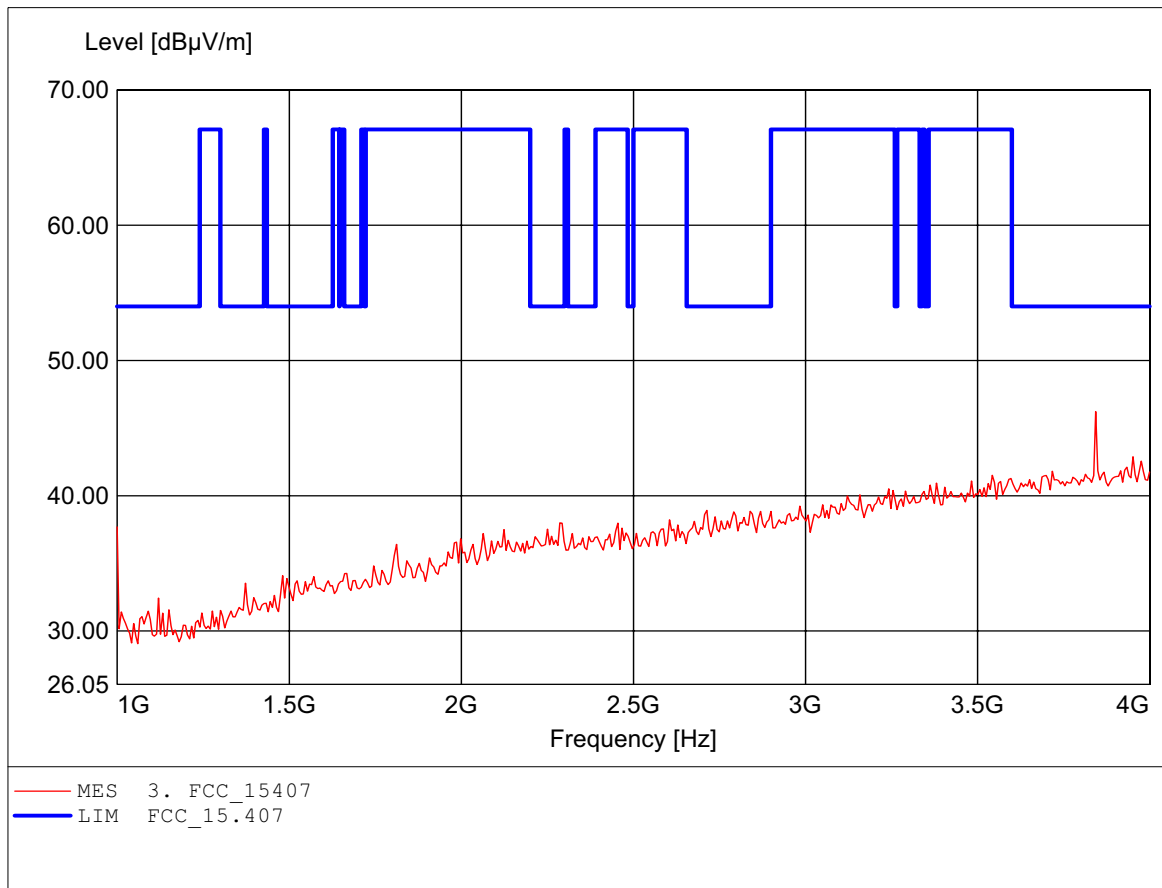
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 499.800MHz, Emax: 41.96dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

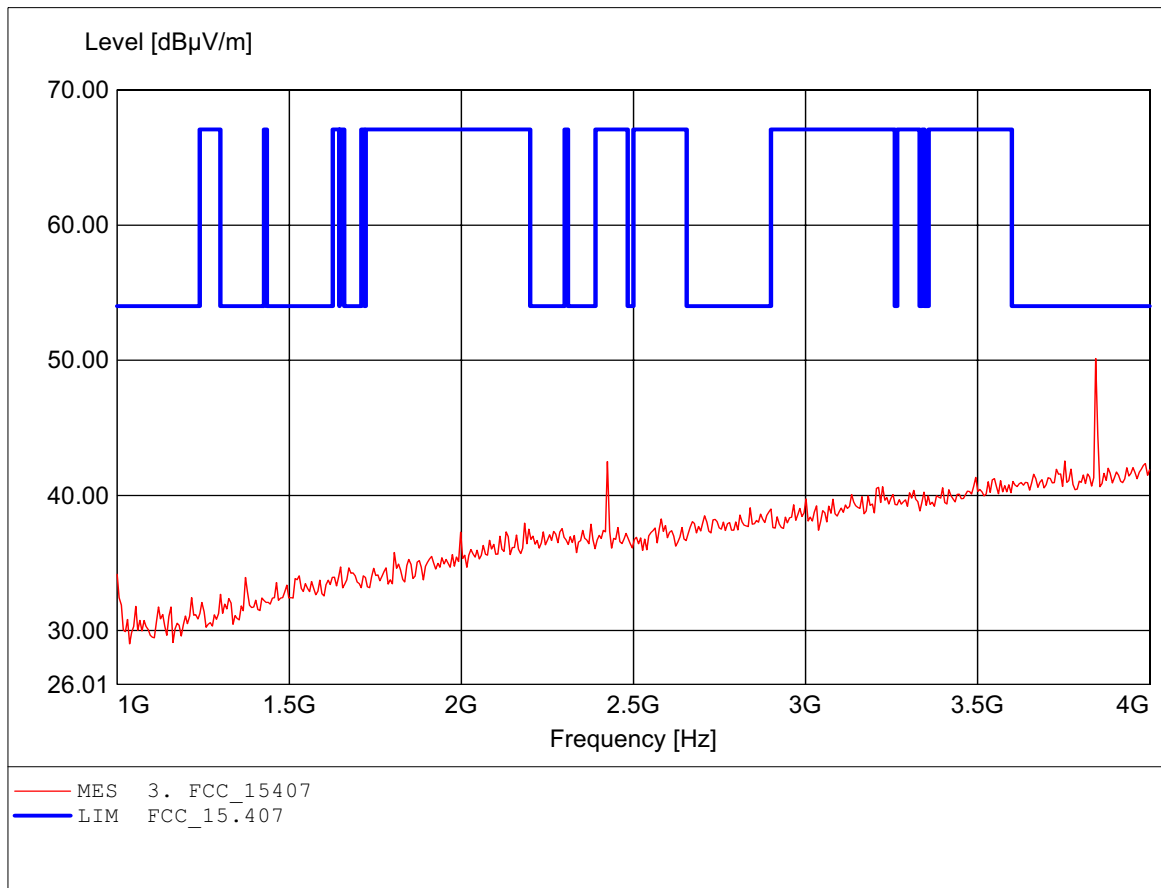
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.844GHz, Emax: 46.22dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

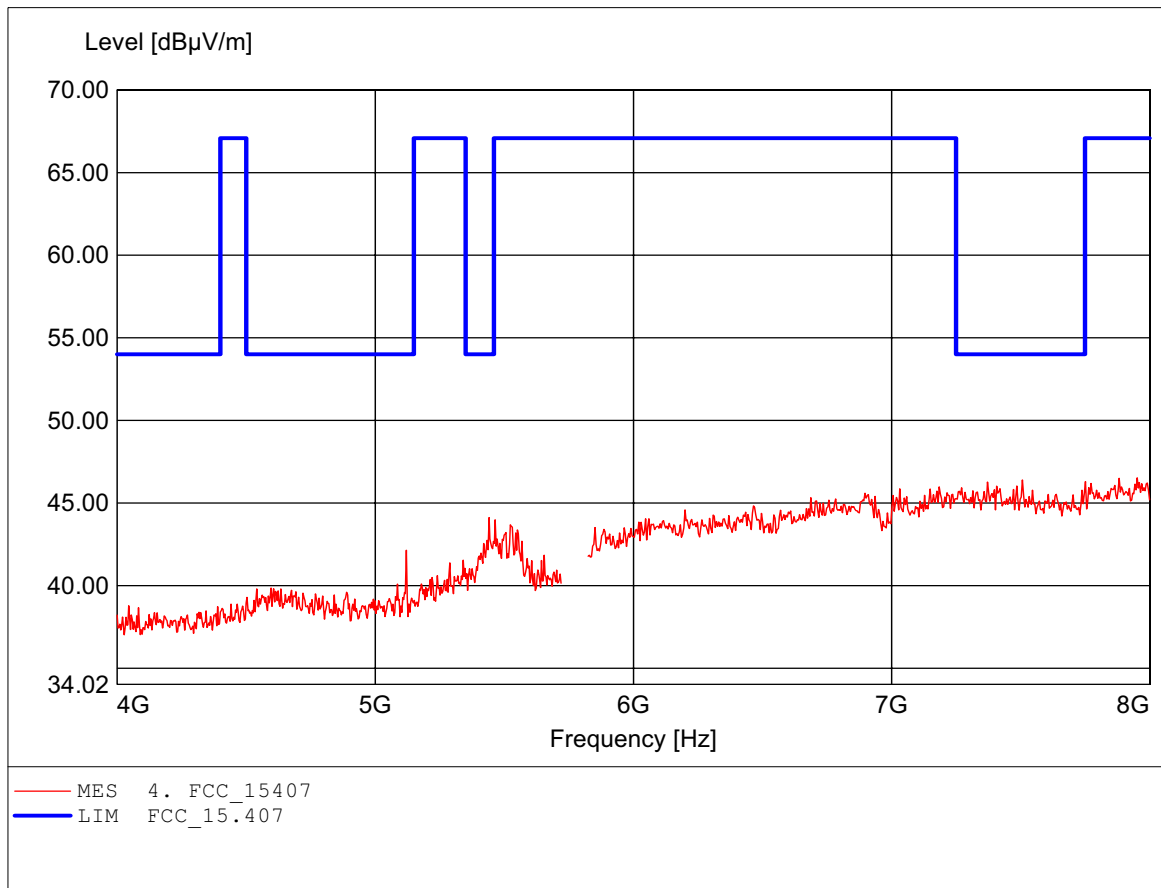
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.844GHz, Emax: 50.12dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

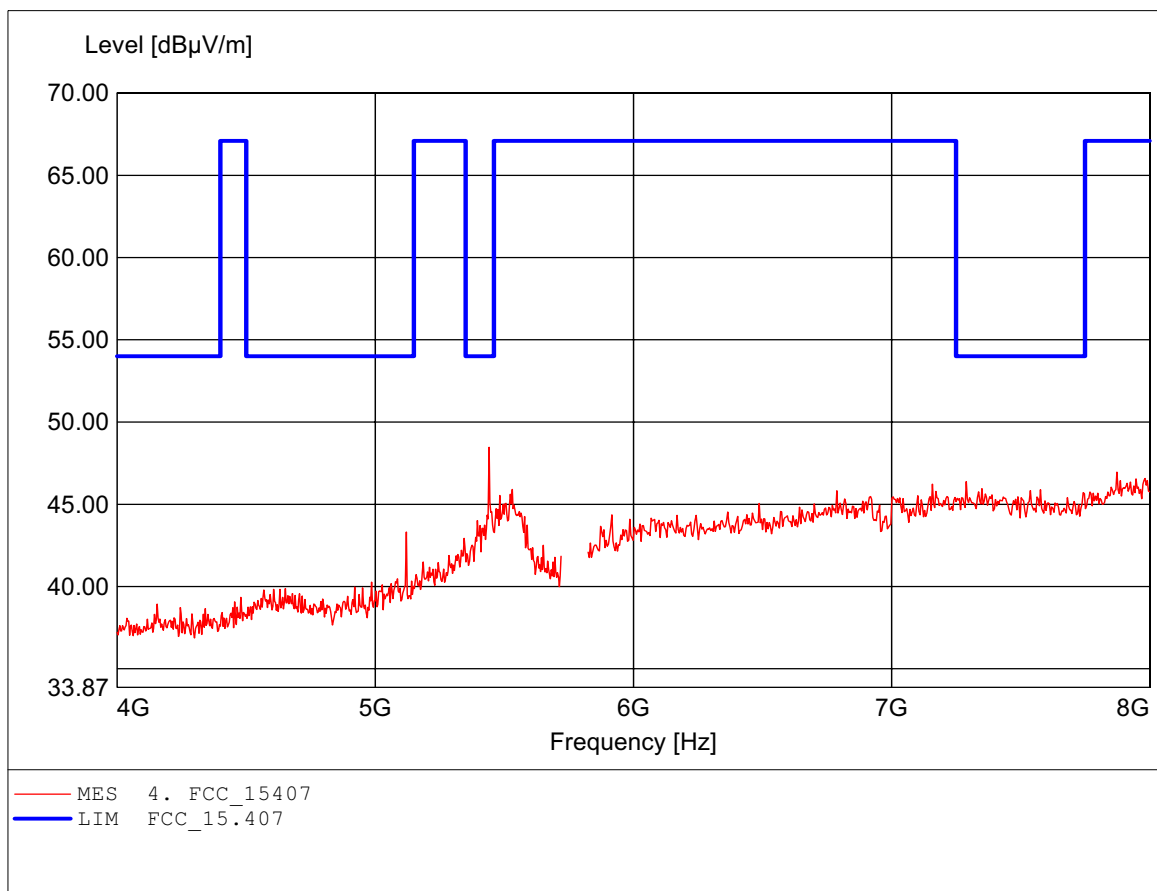
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 7.952GHz, Emax: 46.52dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

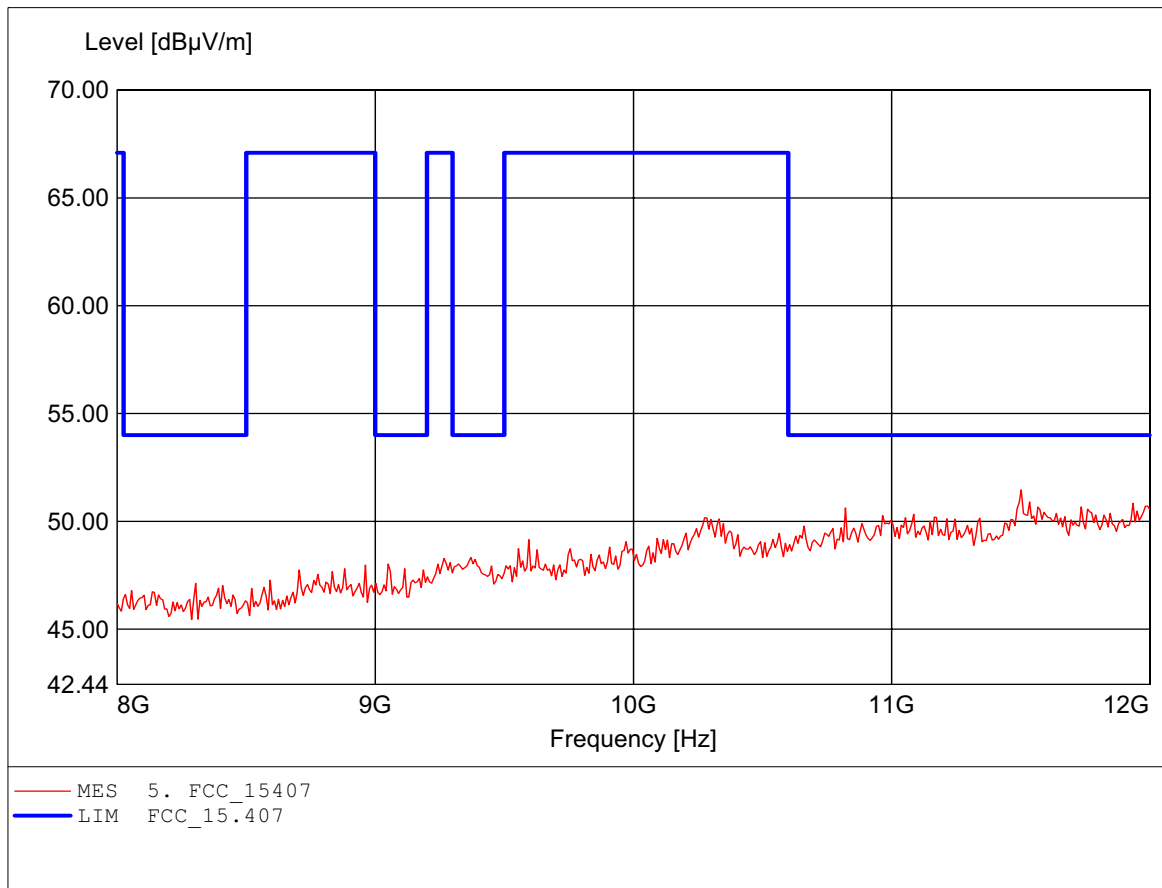
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.441GHz, Emax: 48.46dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

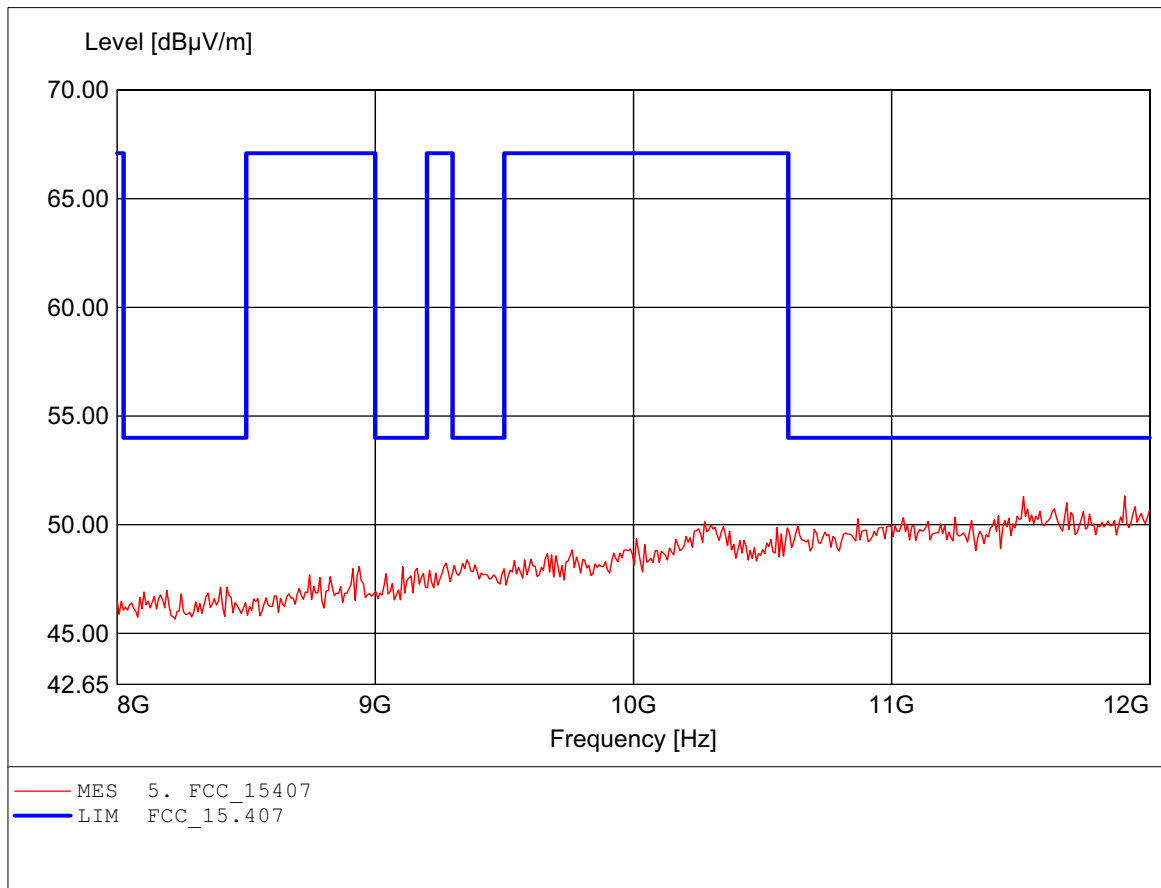
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.503GHz, Emax: 51.46dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

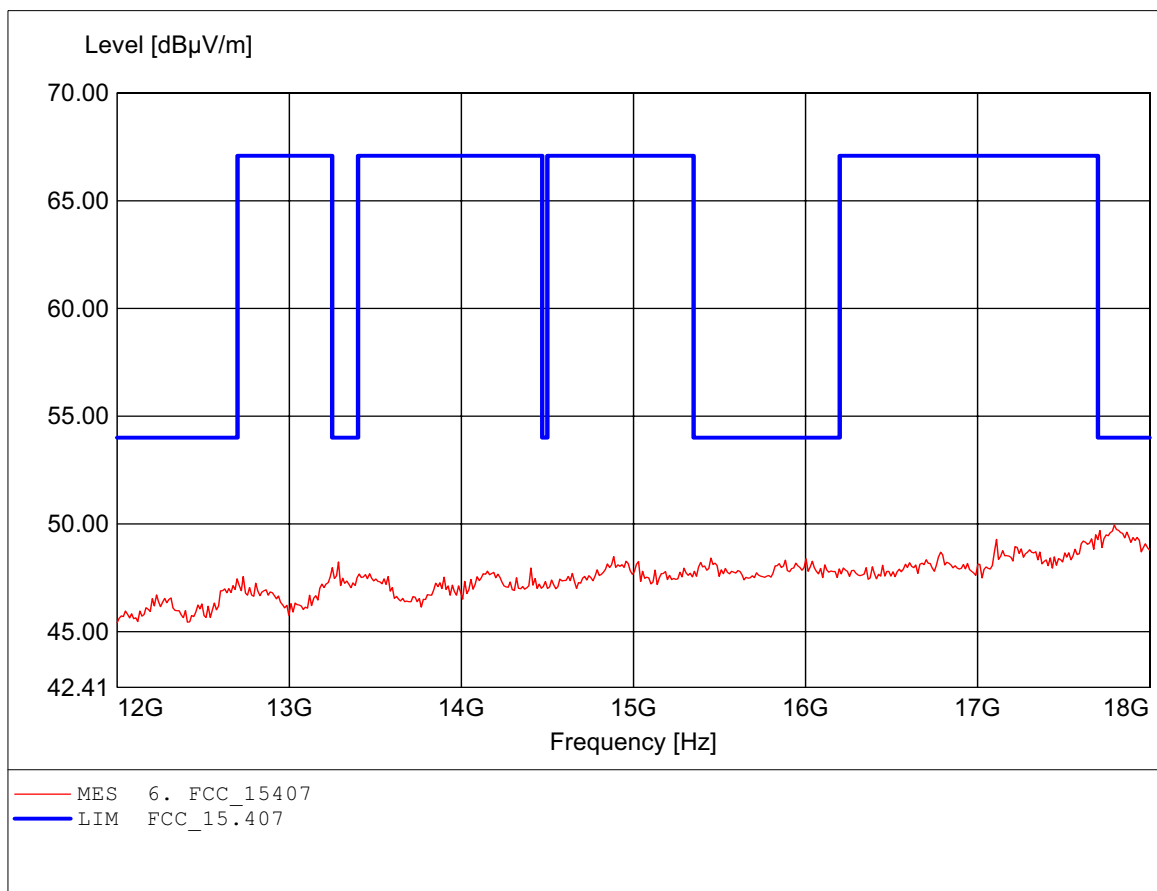
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.904GHz, Emax: 51.32dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

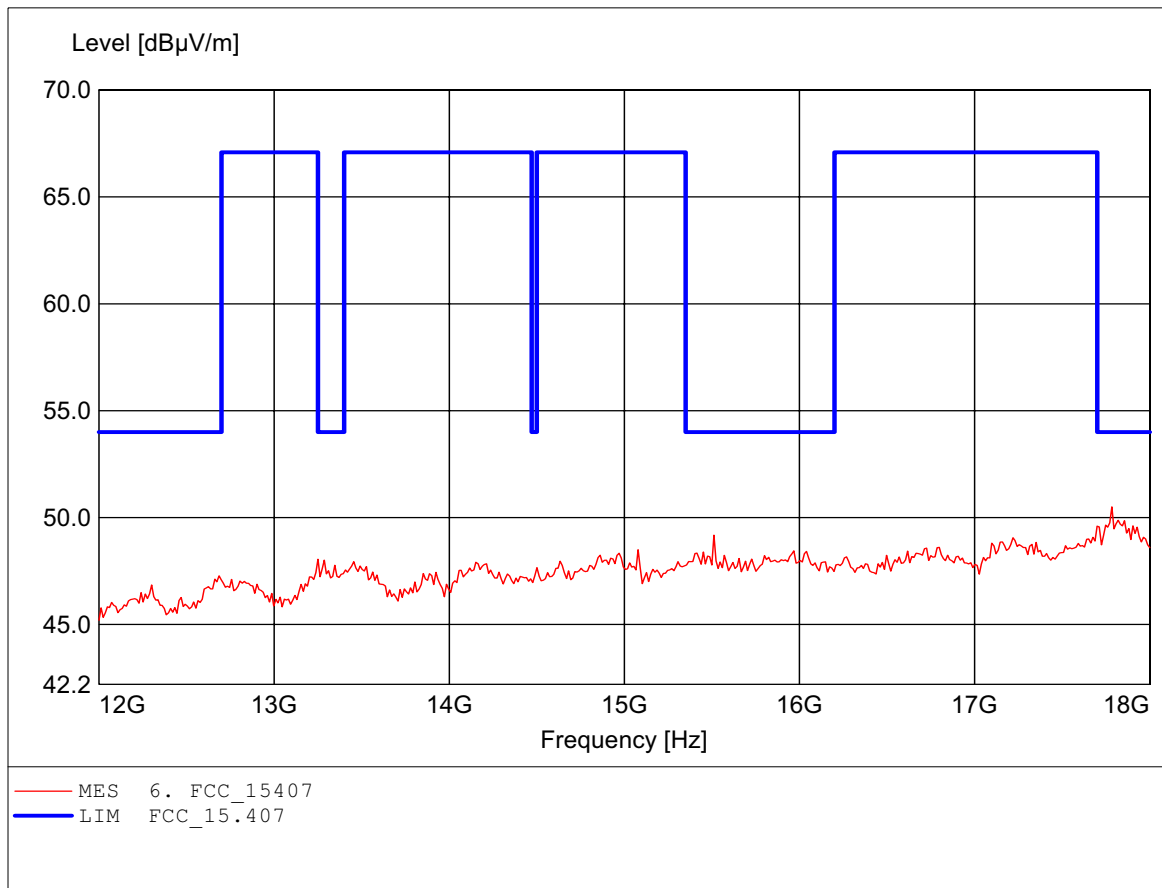
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.796GHz, Emax: 49.95dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

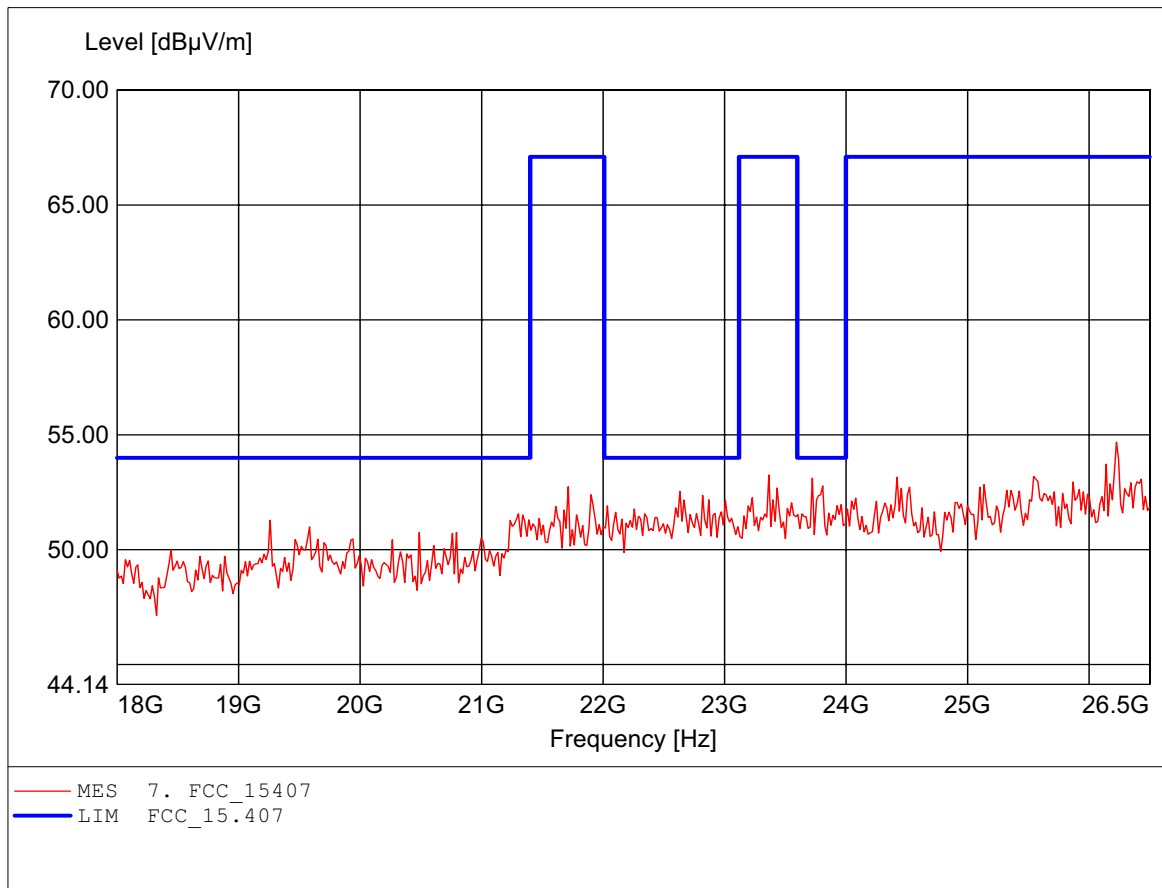
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.784GHz, Emax: 50.50dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

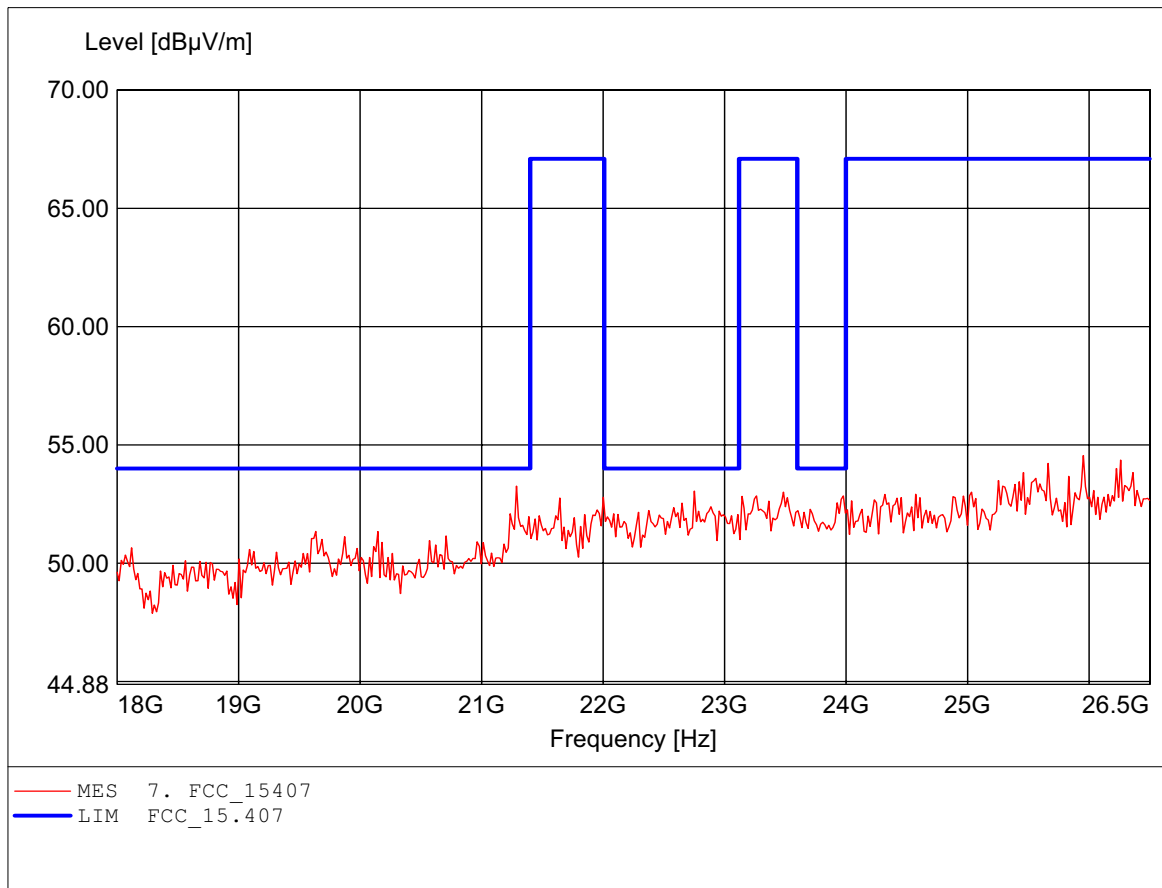
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.227GHz, Emax: 54.67dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

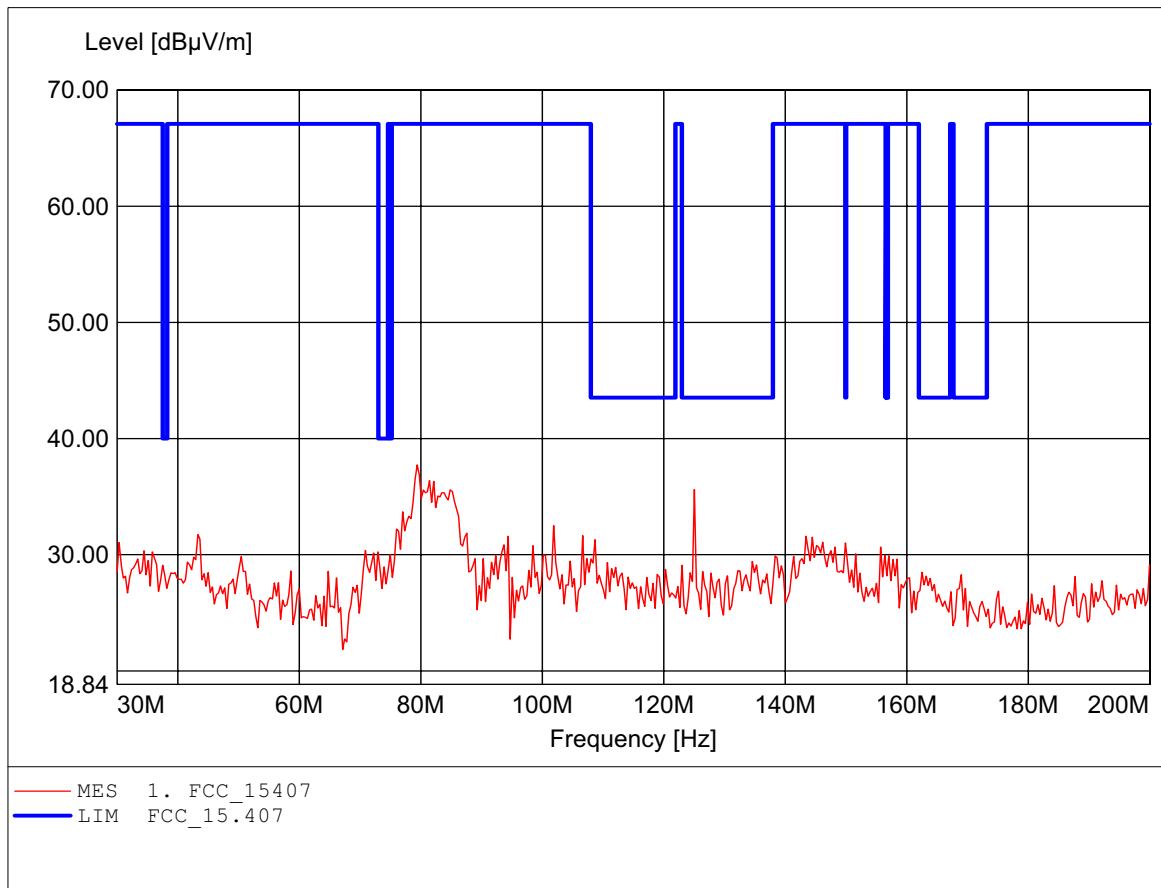
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 25.955GHz, Emax: 54.55dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

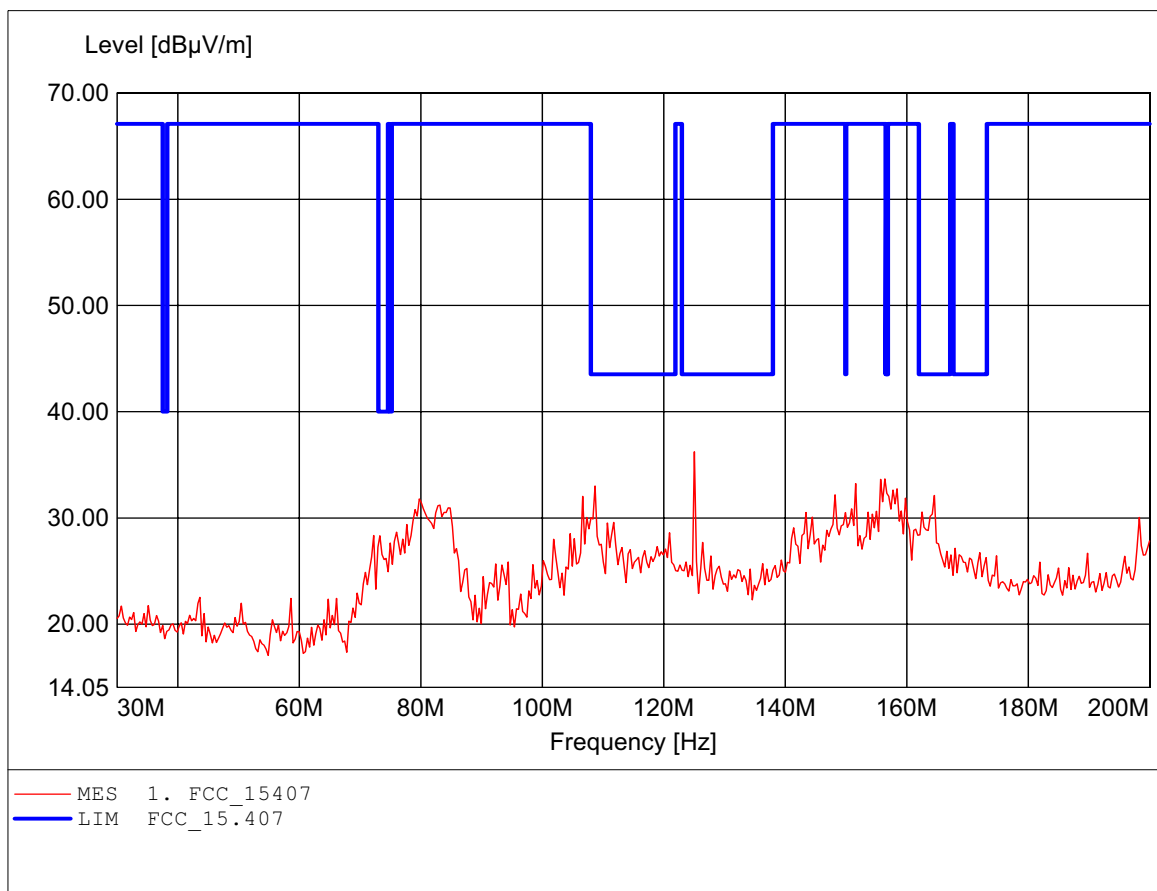
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 79.399MHz, Emax: 37.73dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

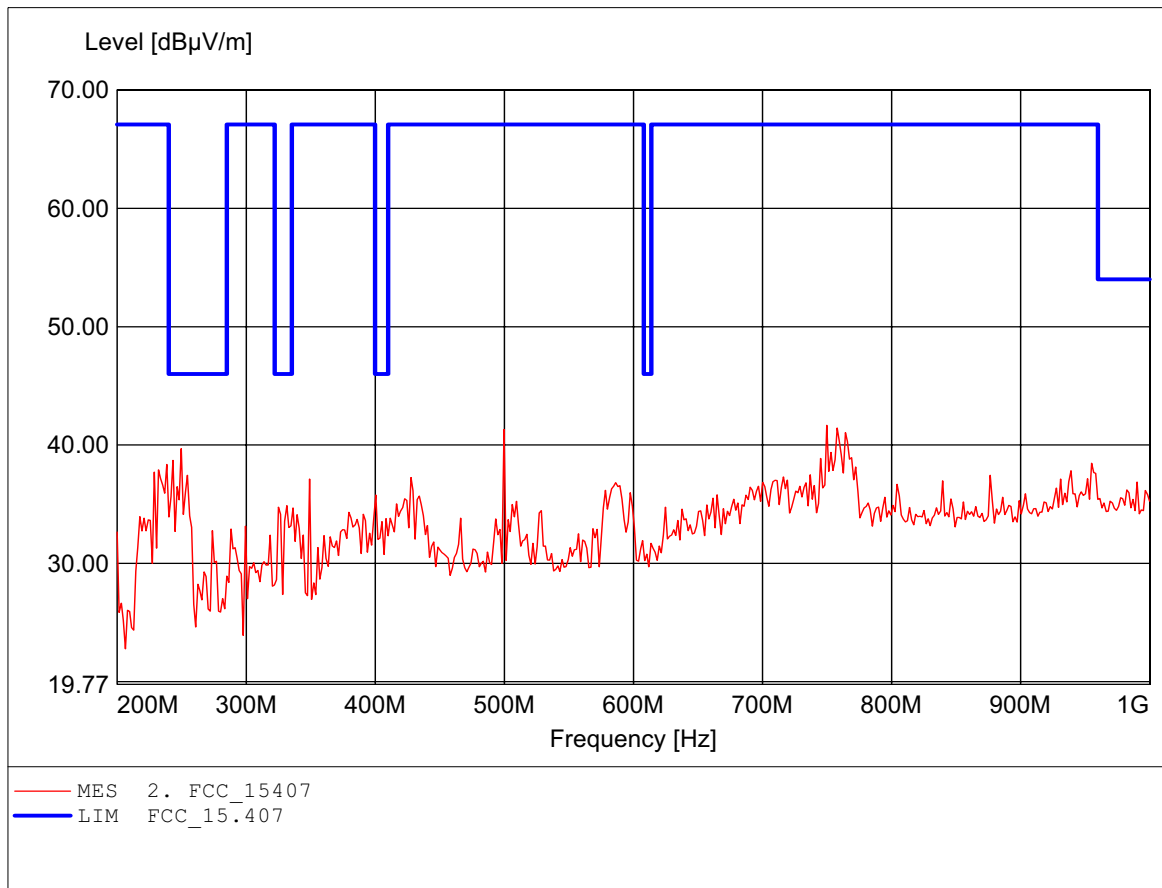
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Freq: 125.050MHz, Emax: 36.22dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

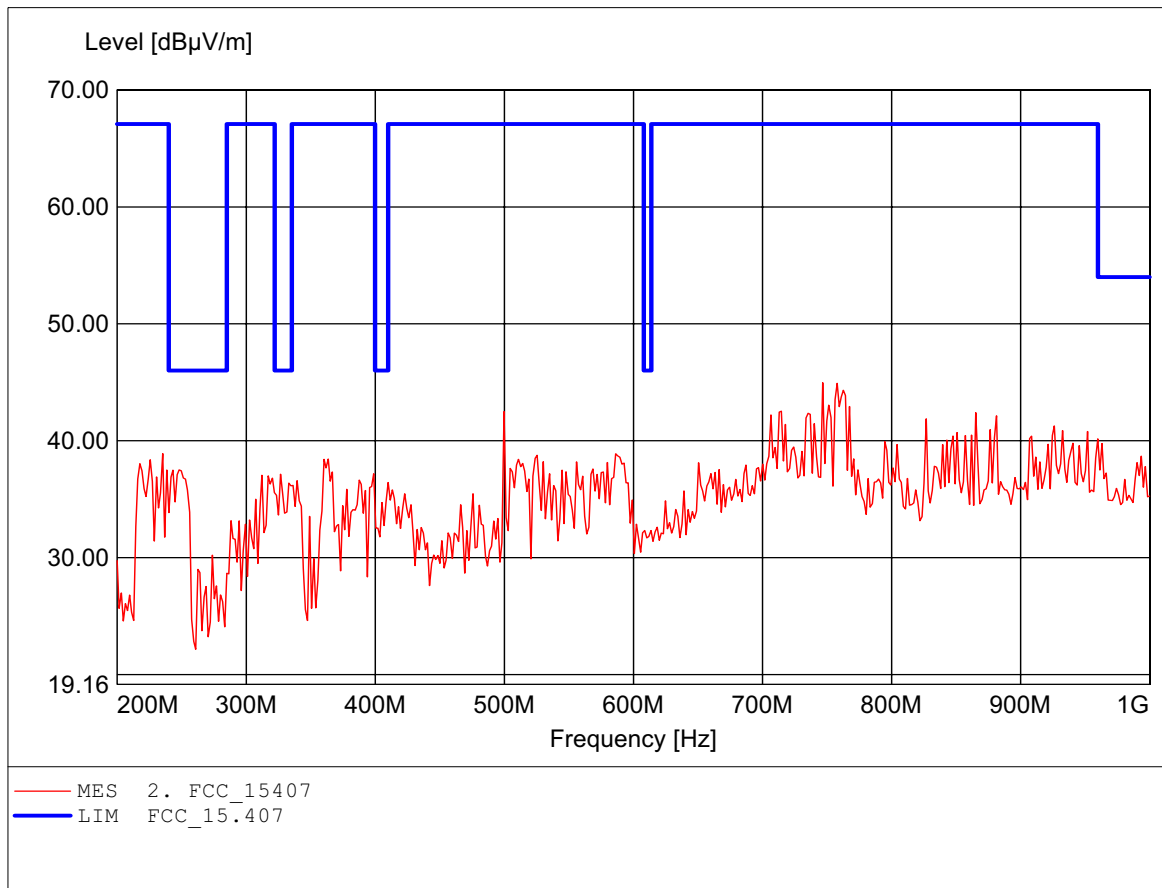
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 749.900MHz, Emax: 41.66dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

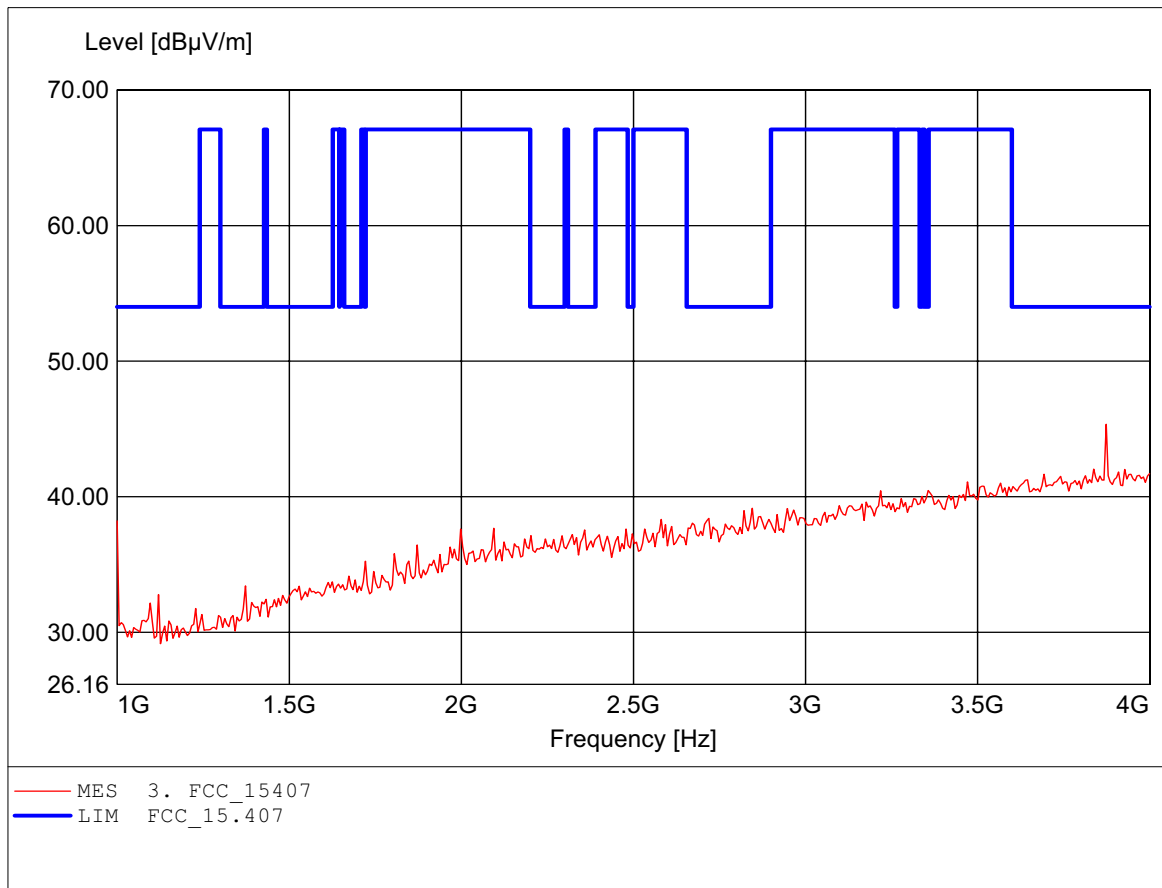
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 746.693MHz, Emax: 44.96dBμV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

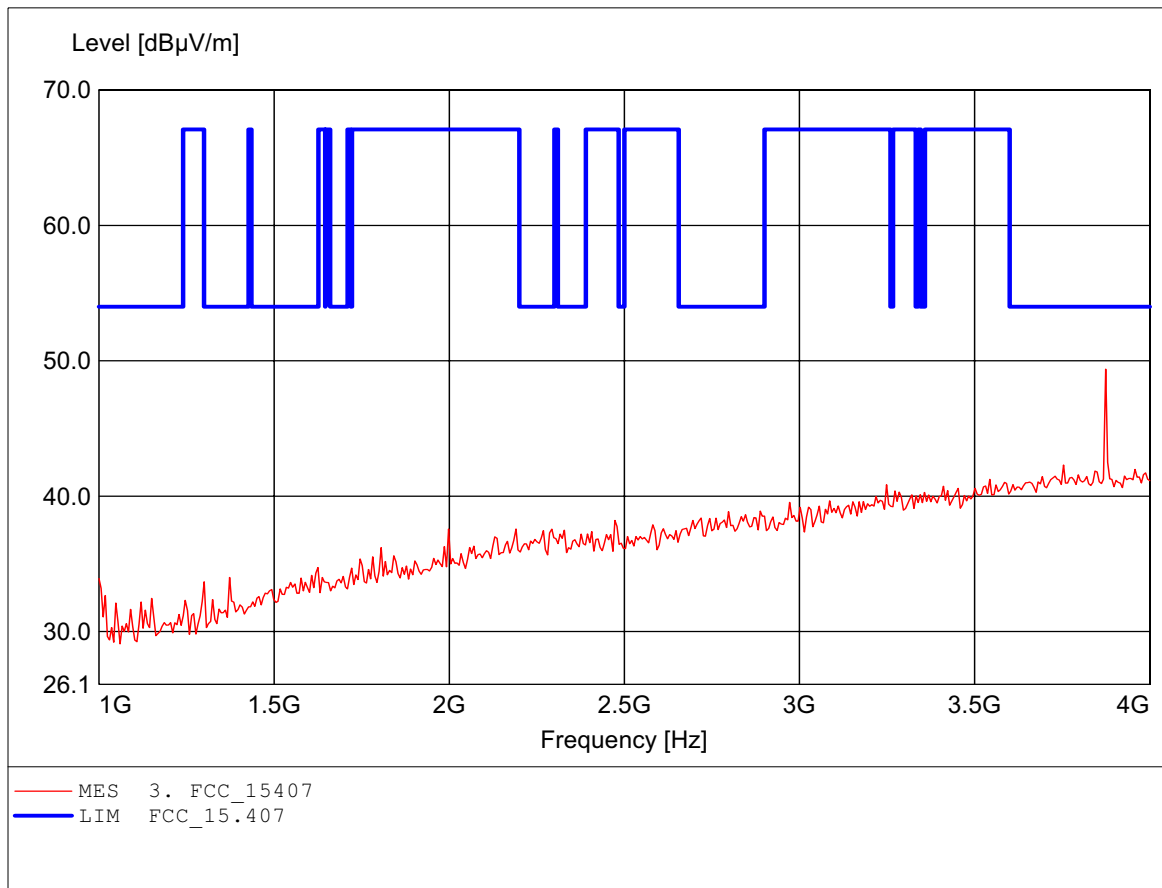
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.874GHz, Emax: 45.34dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

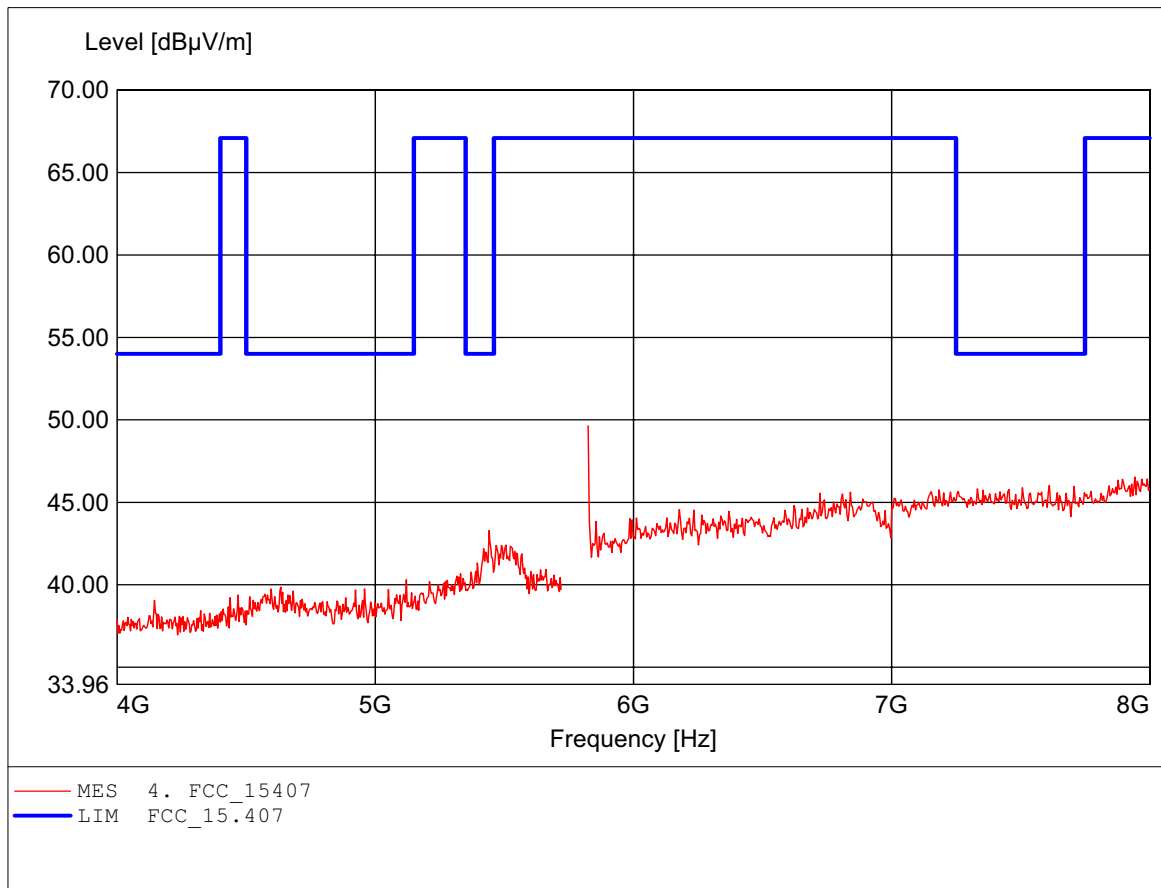
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 3.874GHz, Emax: 49.37dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

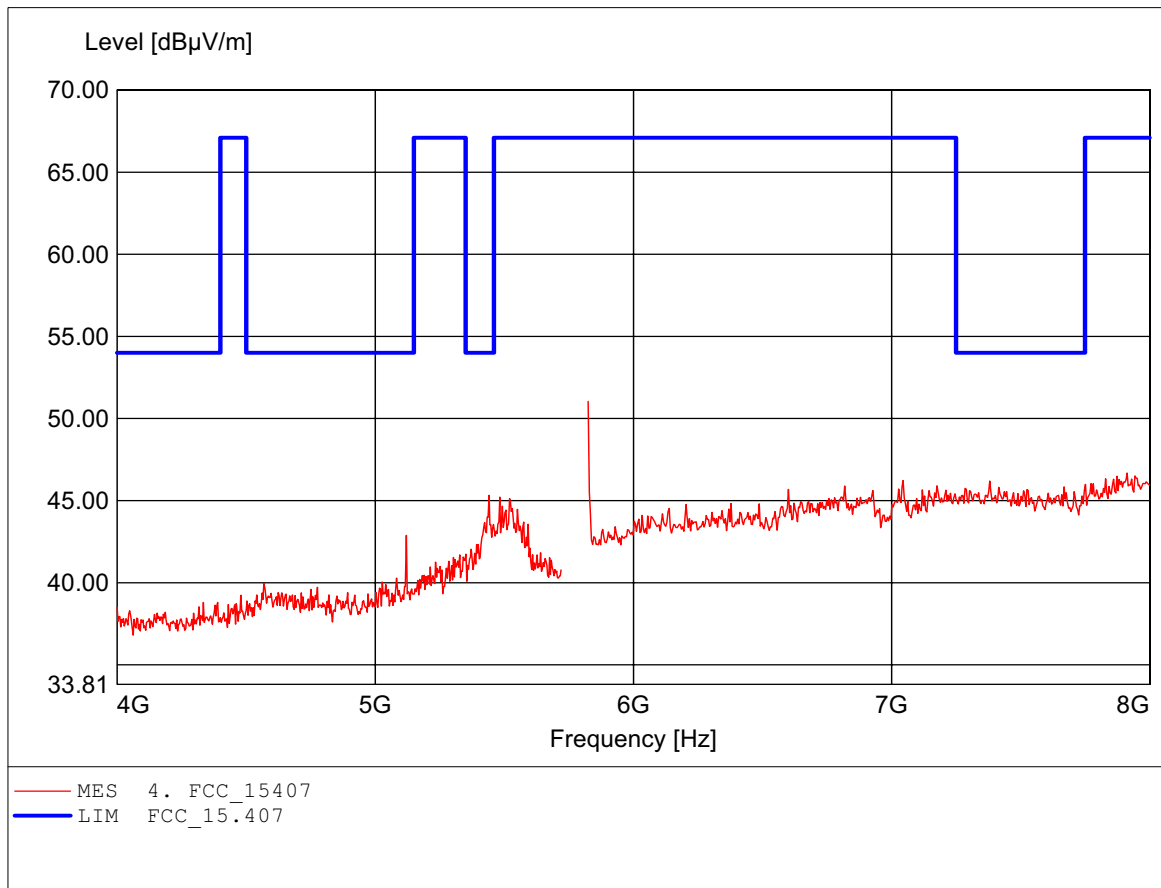
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.825GHz, Emax: 49.63dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

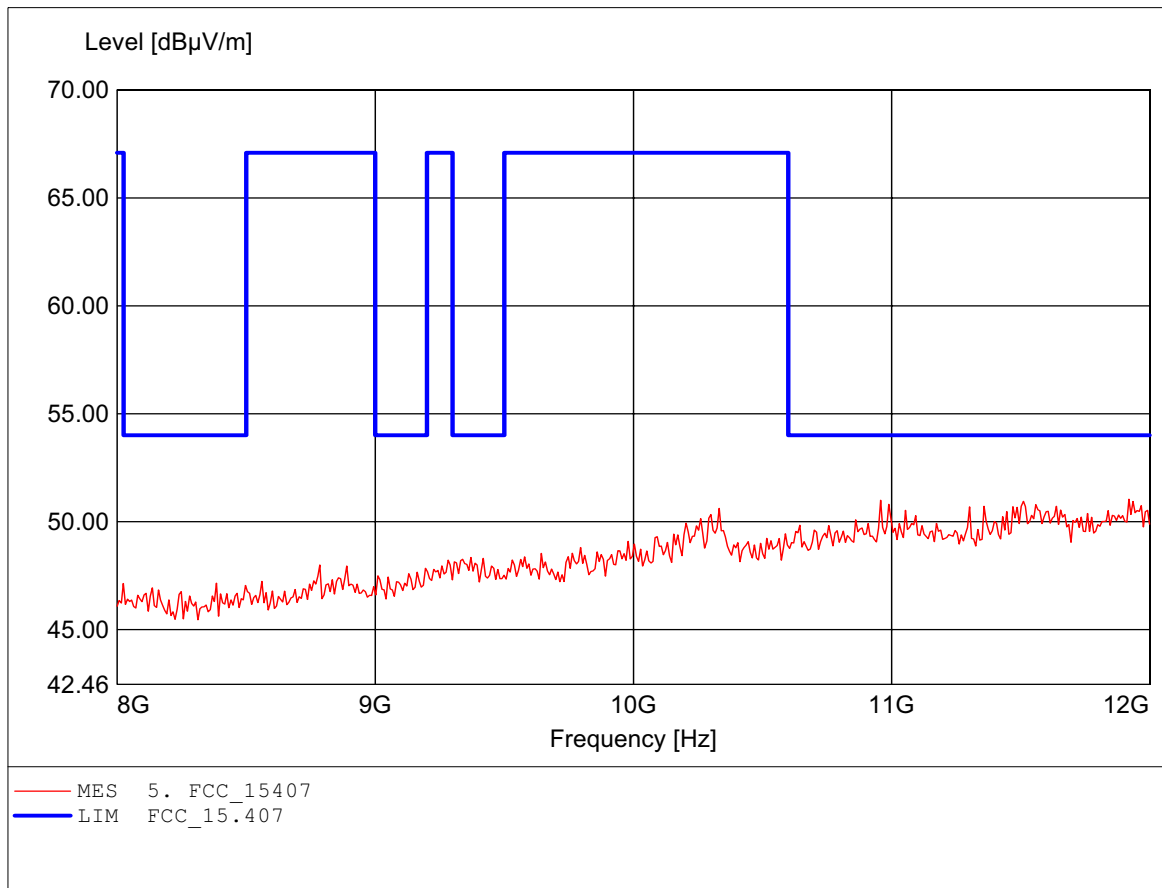
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 5.825GHz, Emax: 51.04dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

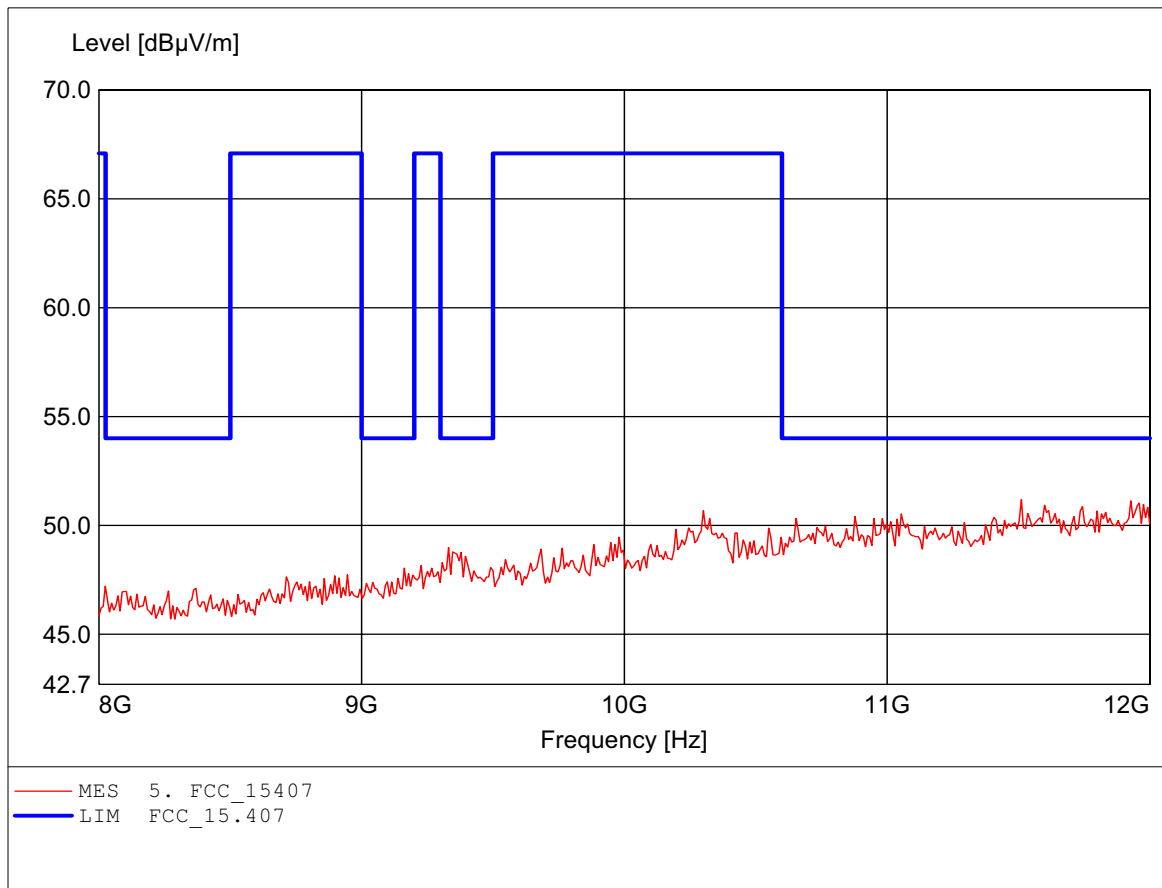
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.920GHz, Emax: 51.04dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

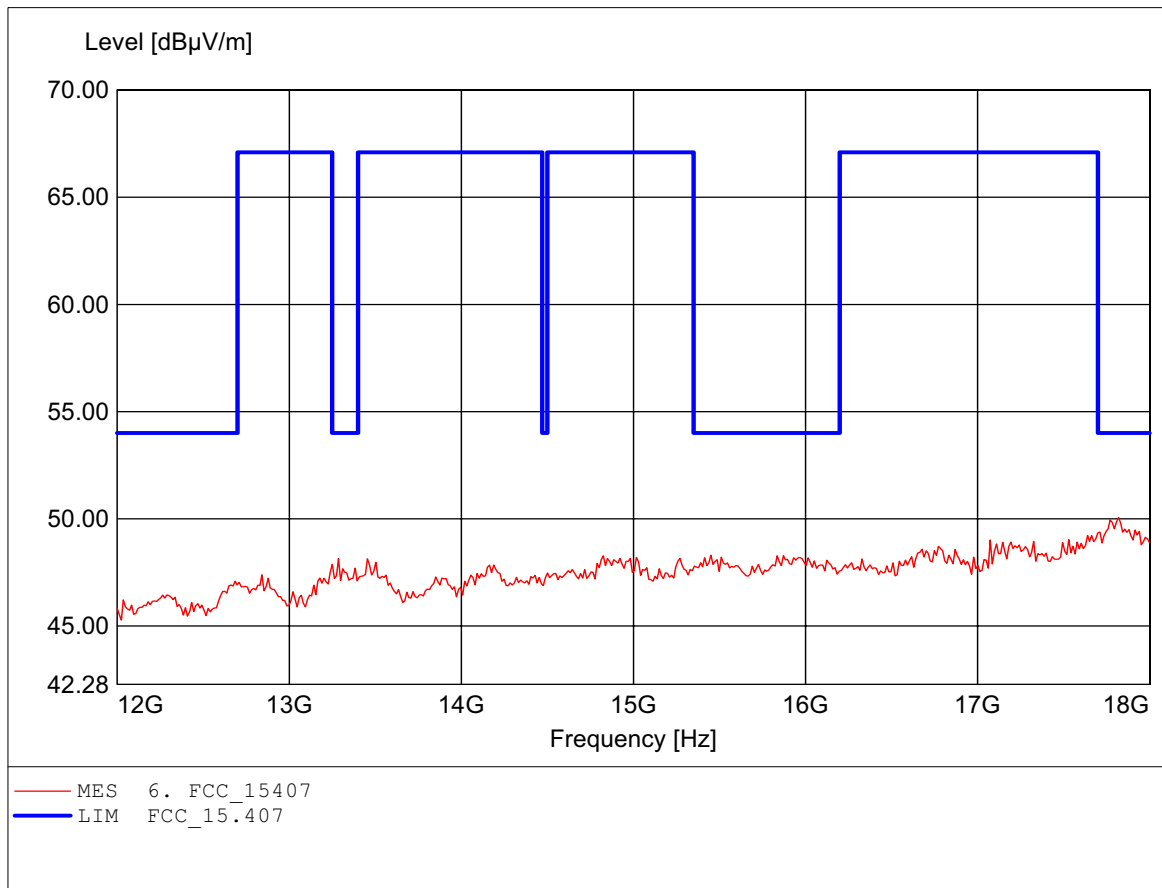
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 11.511GHz, Emax: 51.18dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

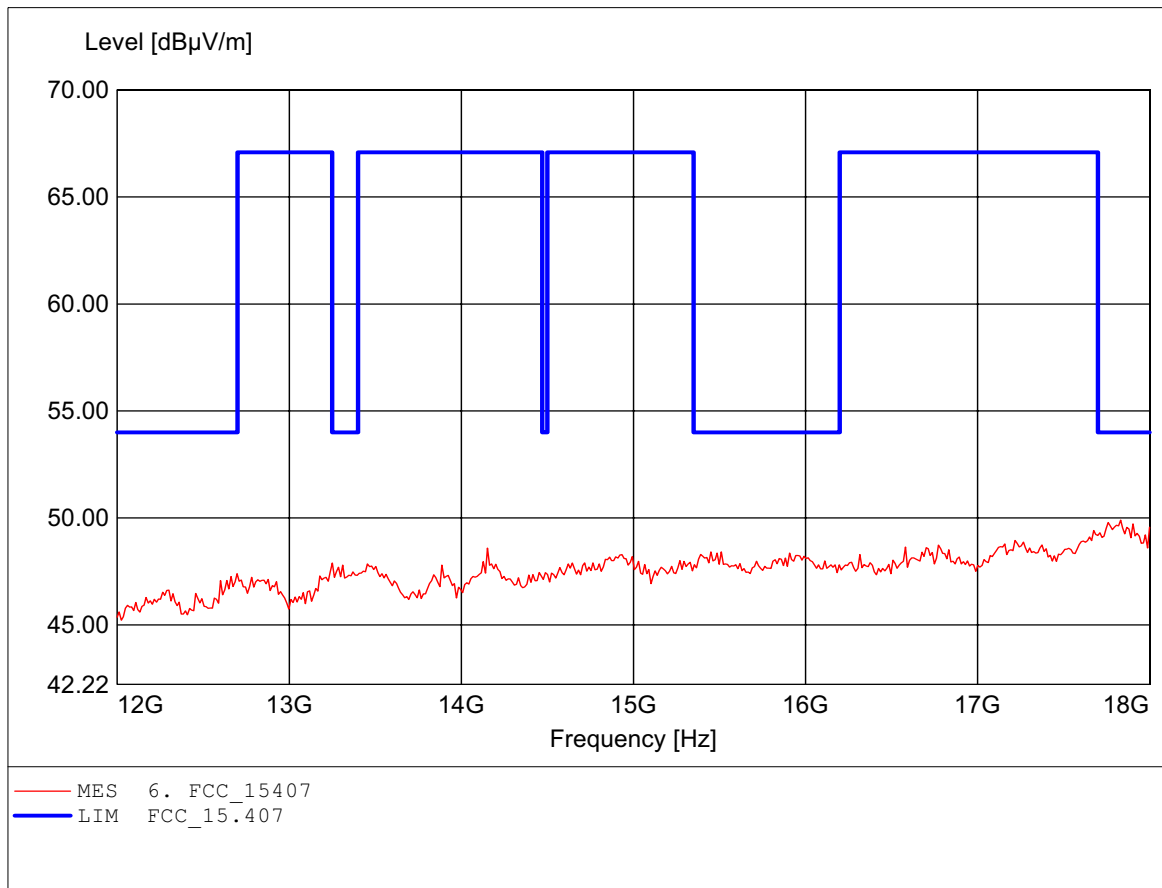
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.820GHz, Emax: 50.07dBμV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

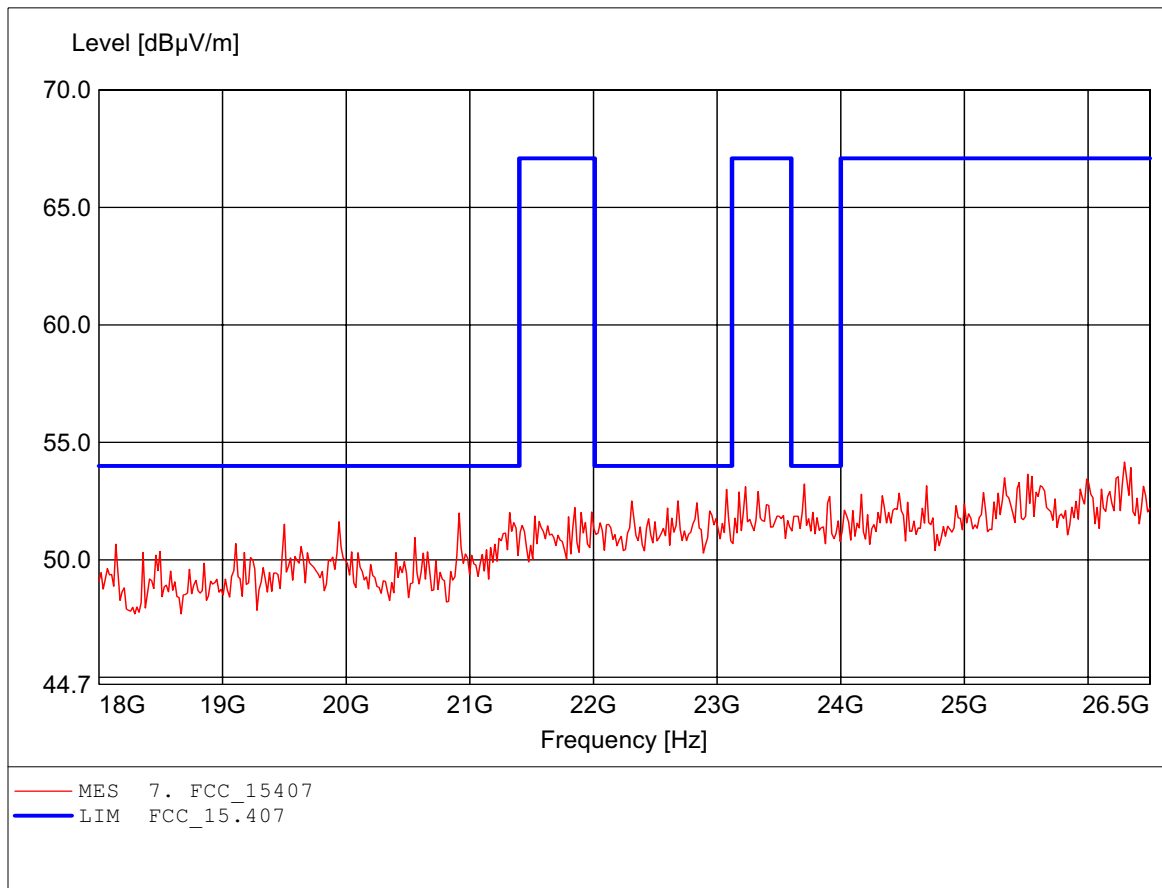
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Freq: 17.832GHz, Emax: 49.90dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

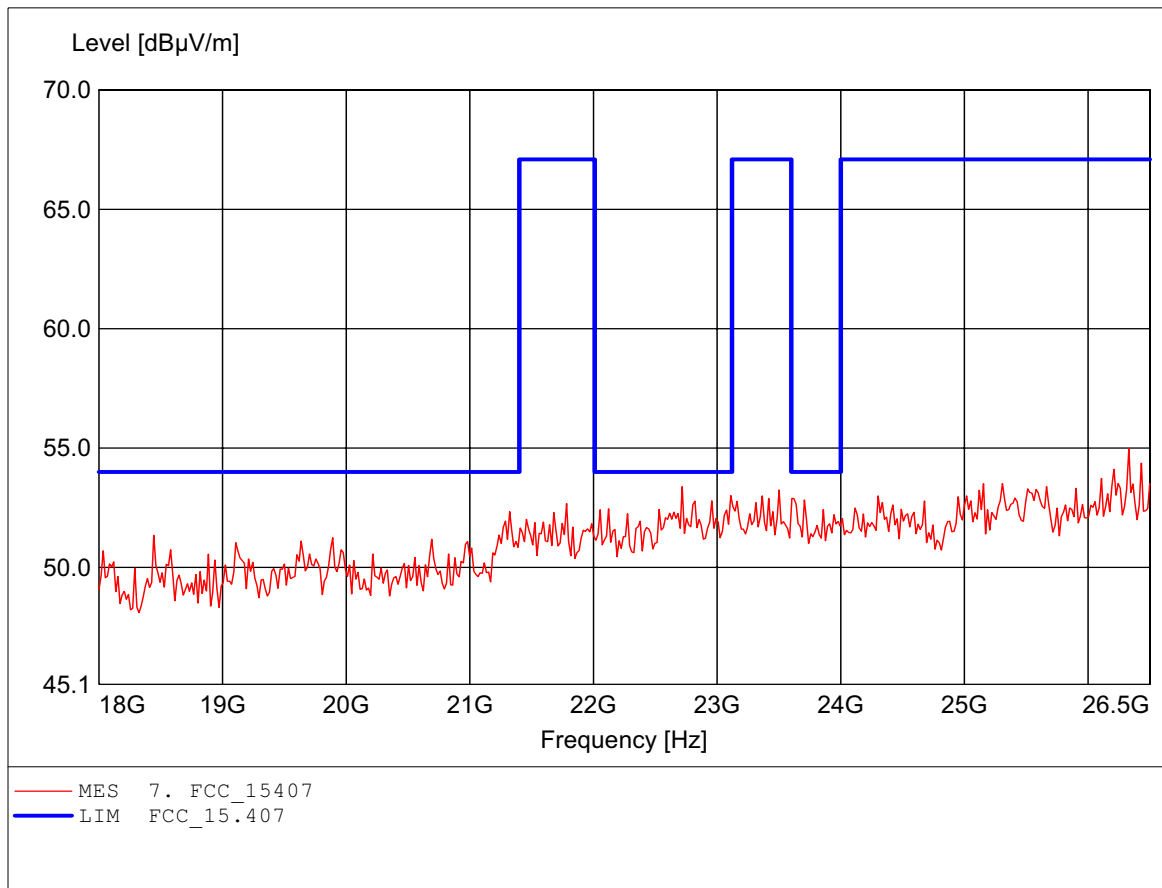
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.296GHz, Emax: 54.16dBμV/m, RBW: 1MHz

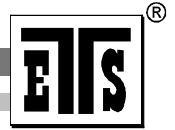


Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Freq: 26.330GHz, Emax: 54.98dBμV/m, RBW: 1MHz





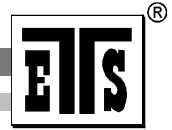
Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

Appendix G

Frequency Stability

No diagrams

Refer to point 3.10



Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

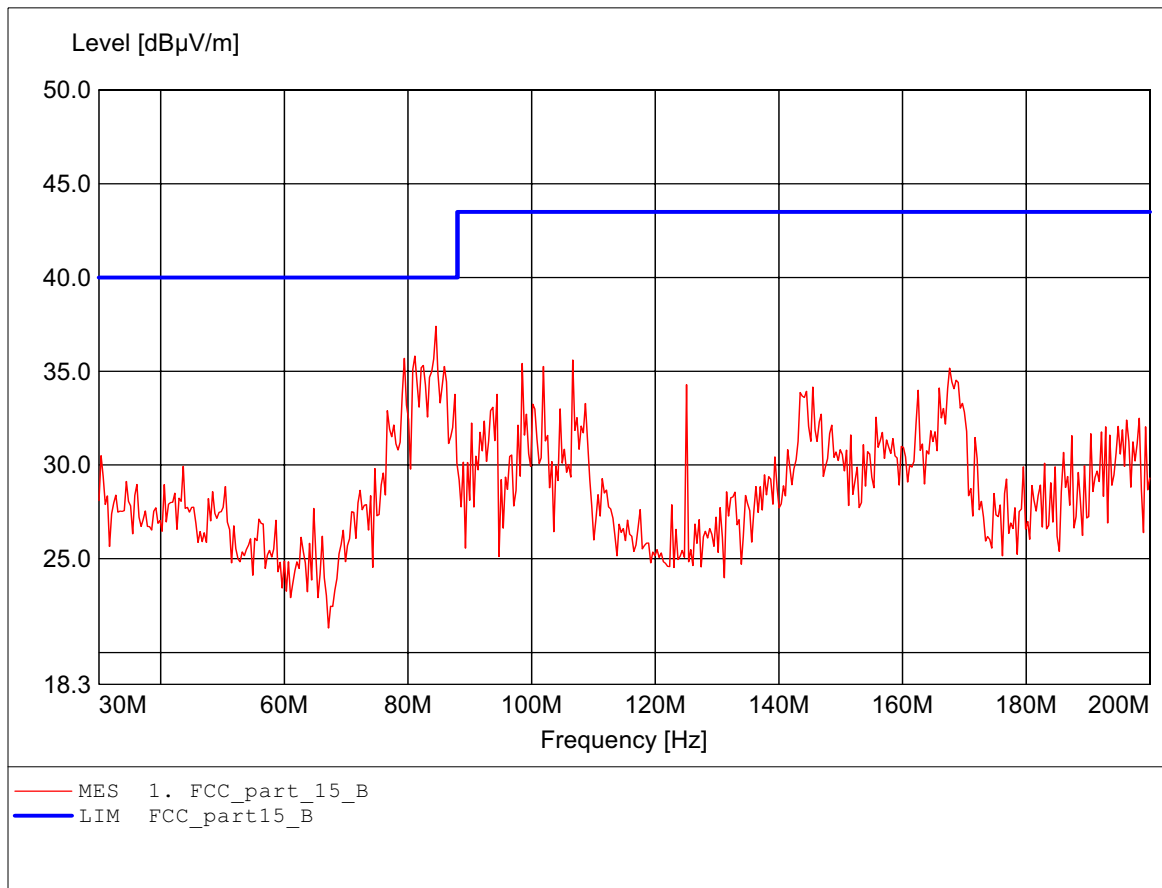
Appendix H

Radiated Emissions from Receiver Section of Transceiver

Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

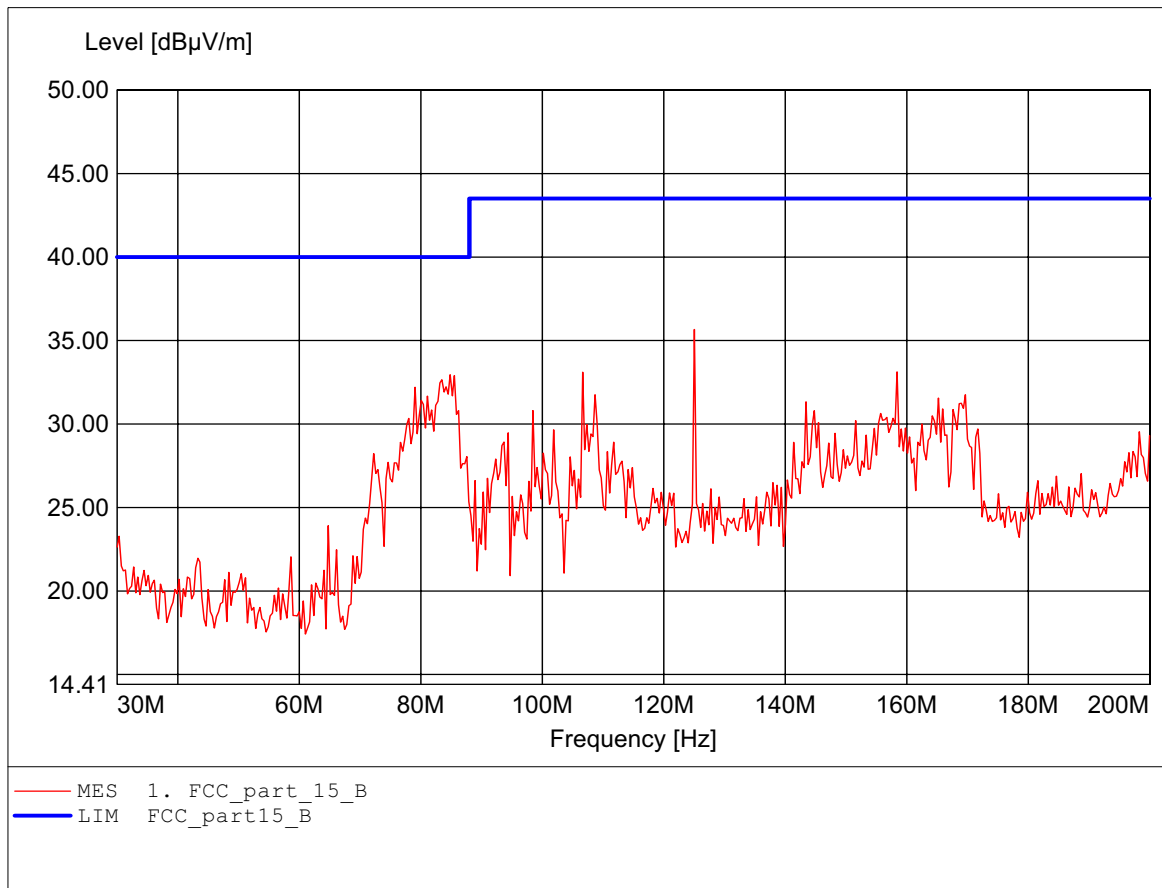
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:84.509MHz Emax:37.39dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

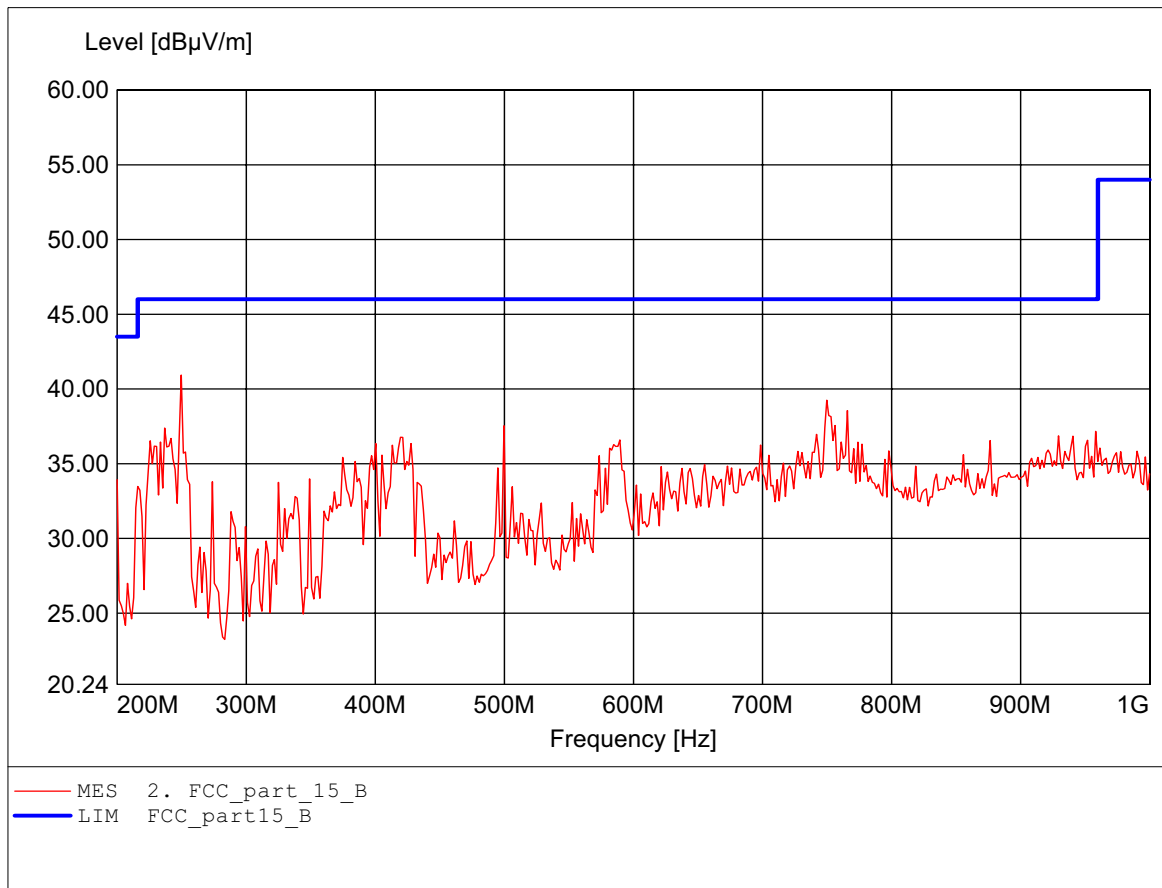
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:125.050MHz Emax:35.66dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

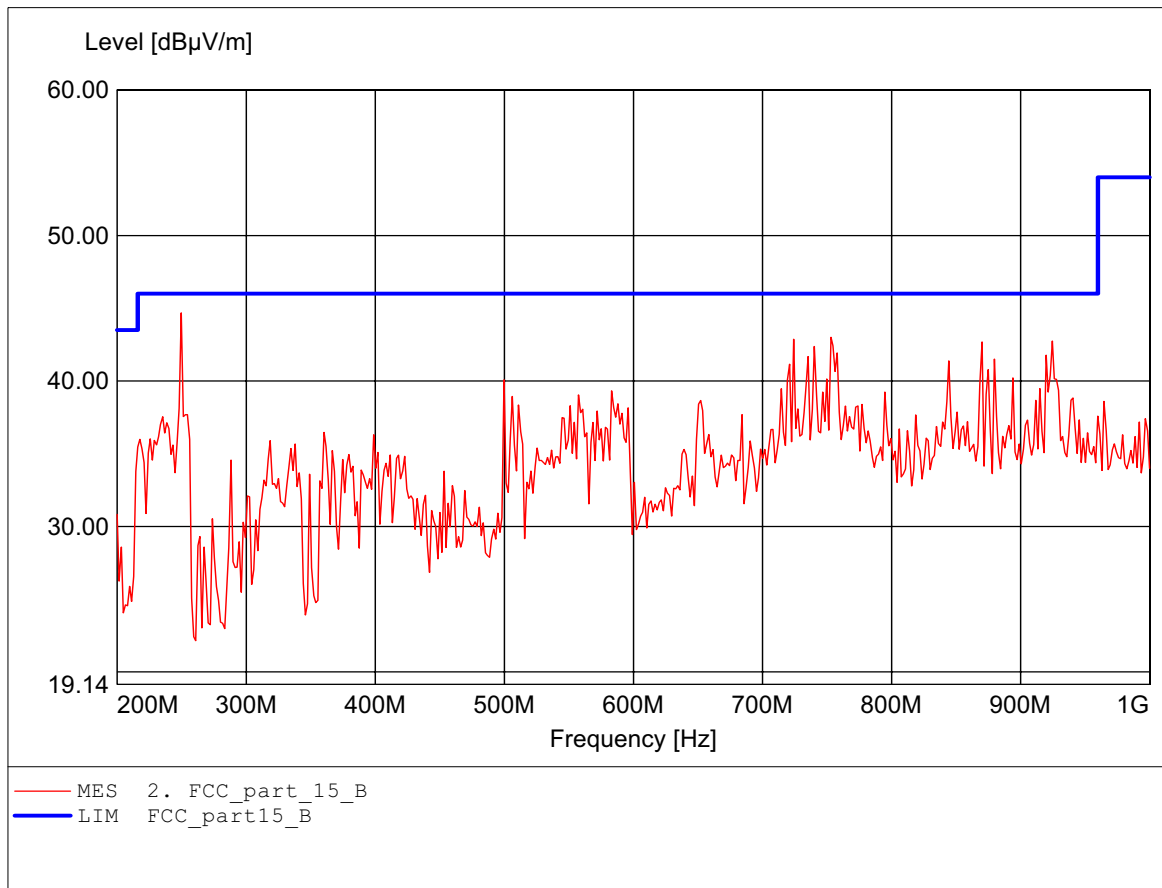
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:249.699MHz Emax:40.93dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

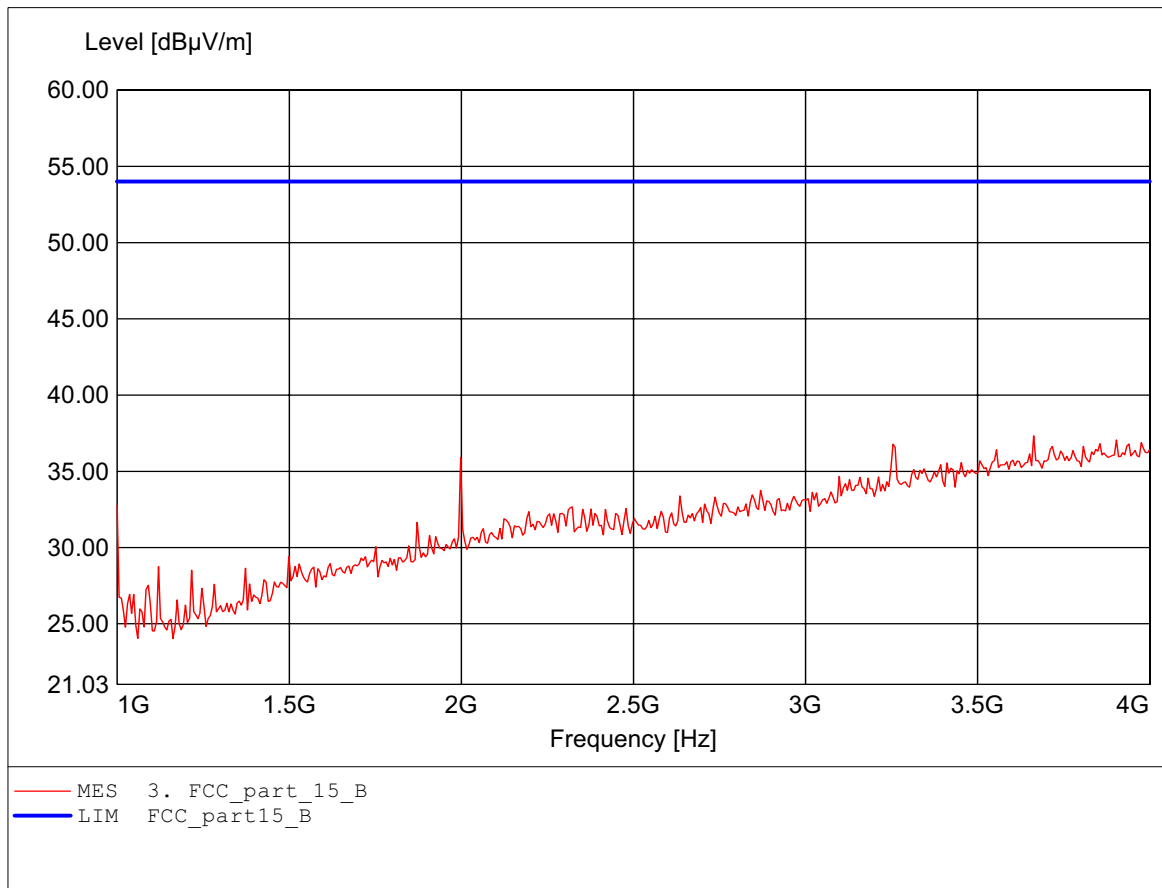
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:249.699MHz Emax:44.68dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

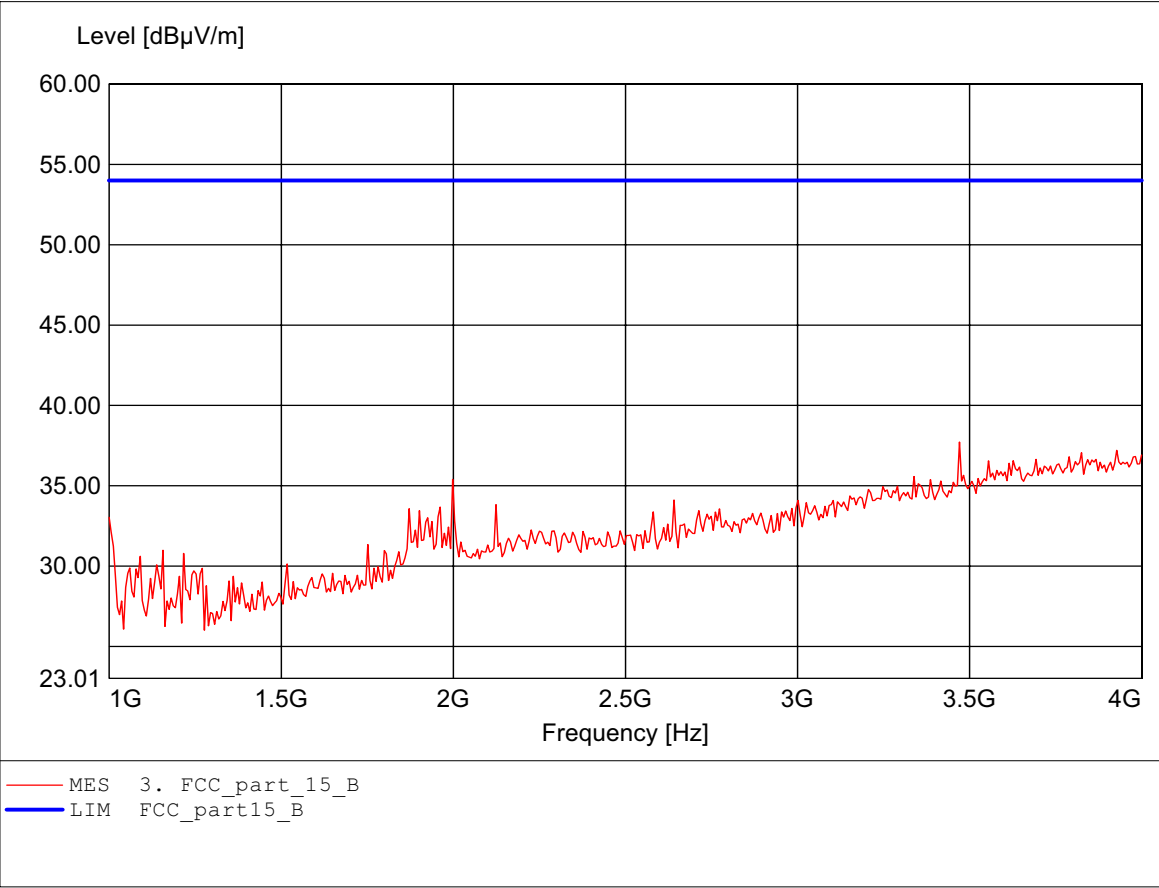
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.663GHz Emax:37.33dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

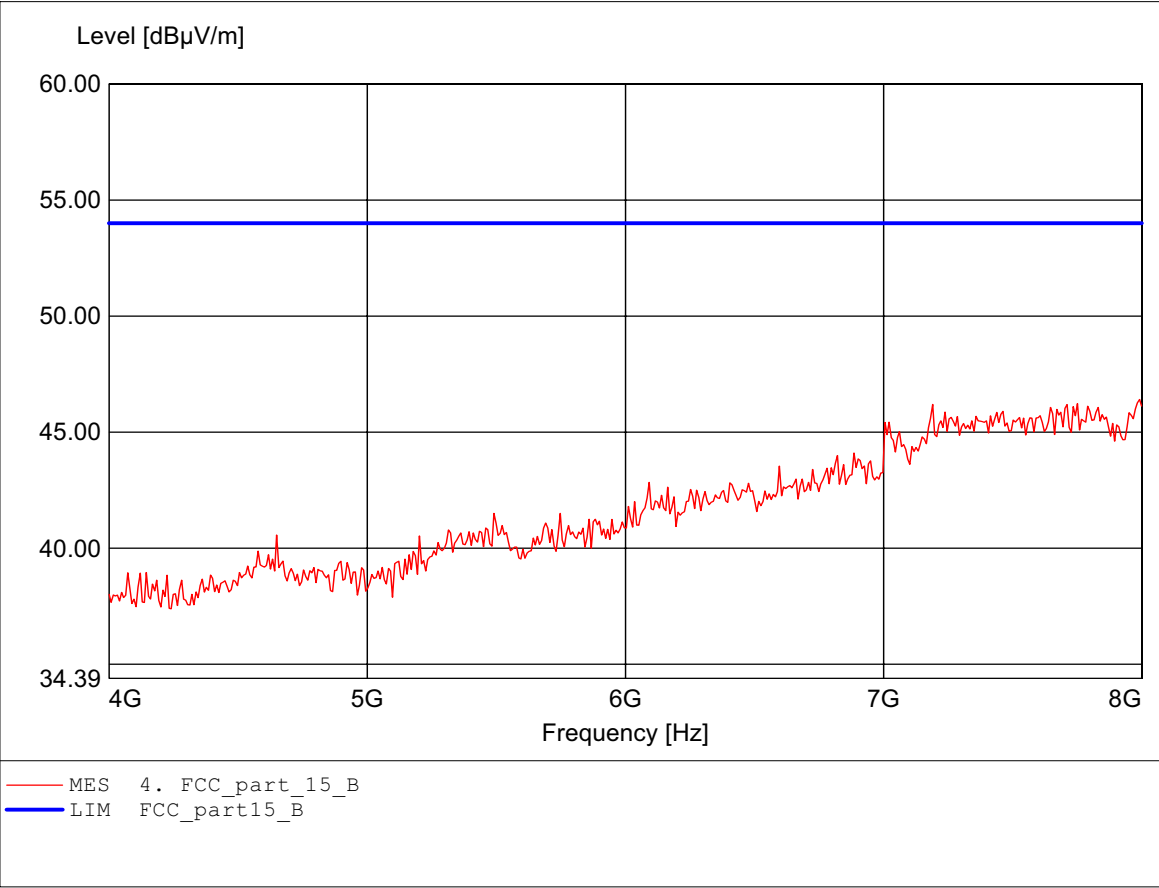
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.471GHz Emax:37.72dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

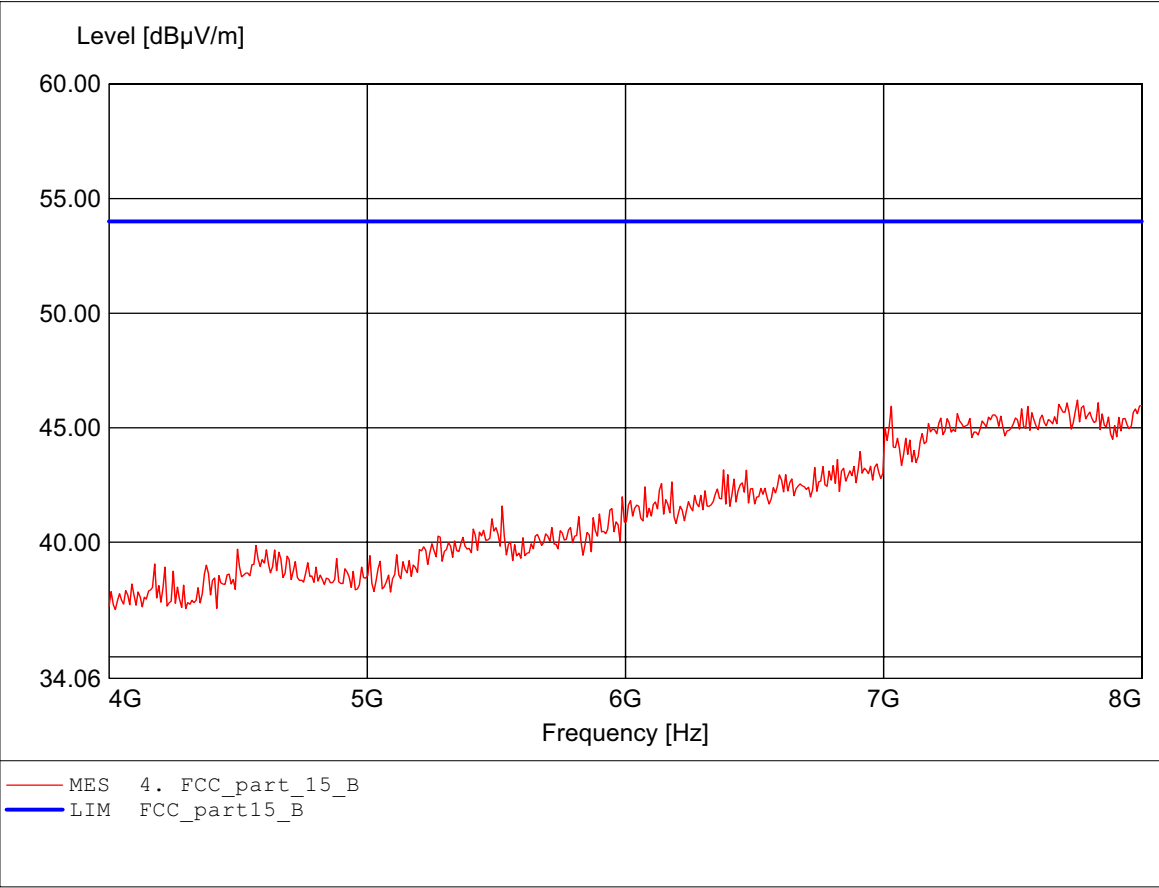
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.992GHz Emax:46.41dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

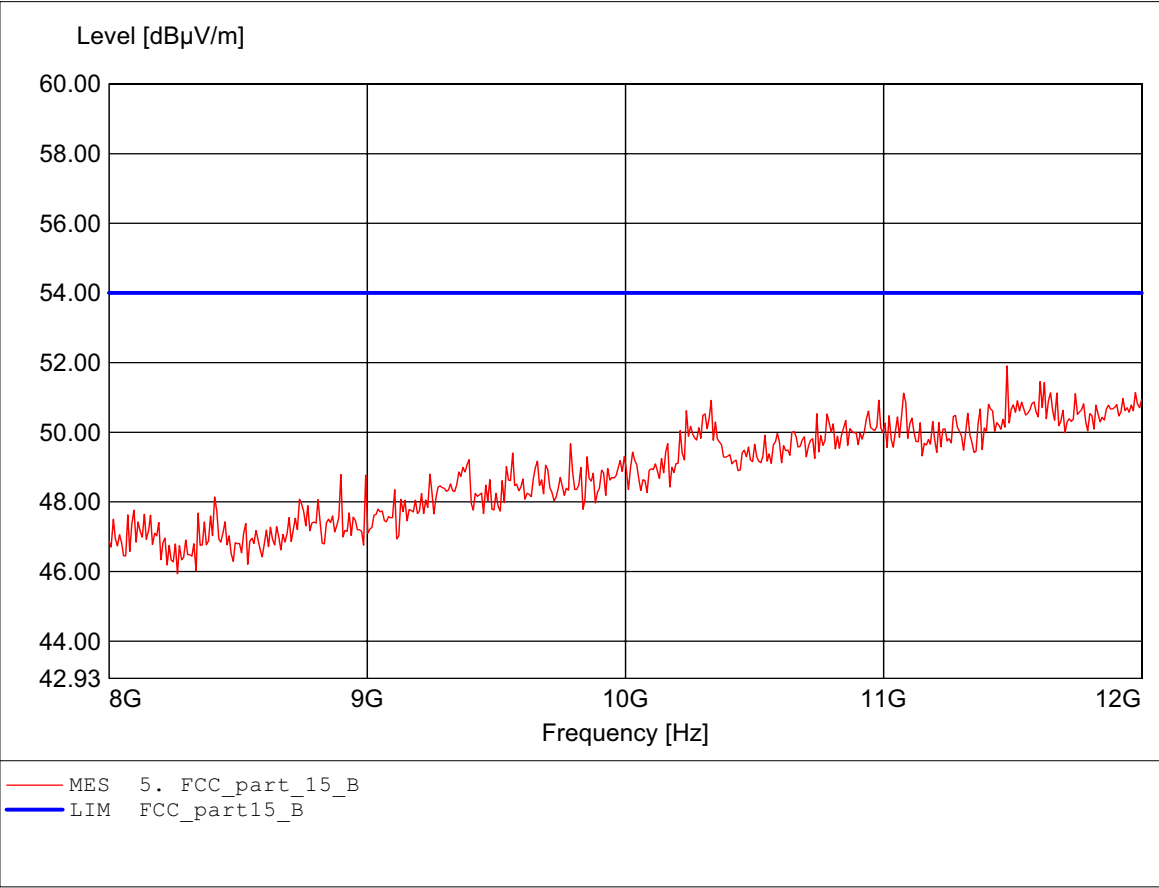
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.752GHz Emax:46.21dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

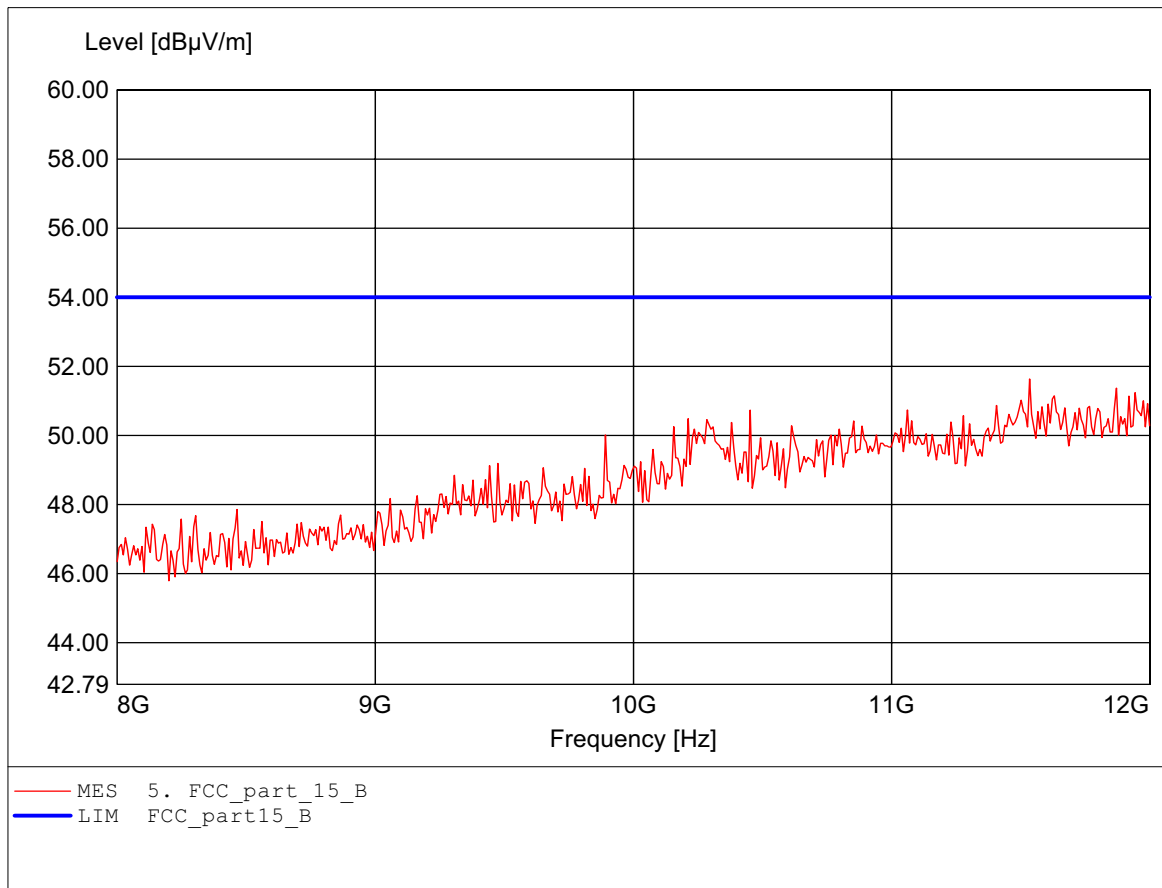
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.479GHz Emax:51.90dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

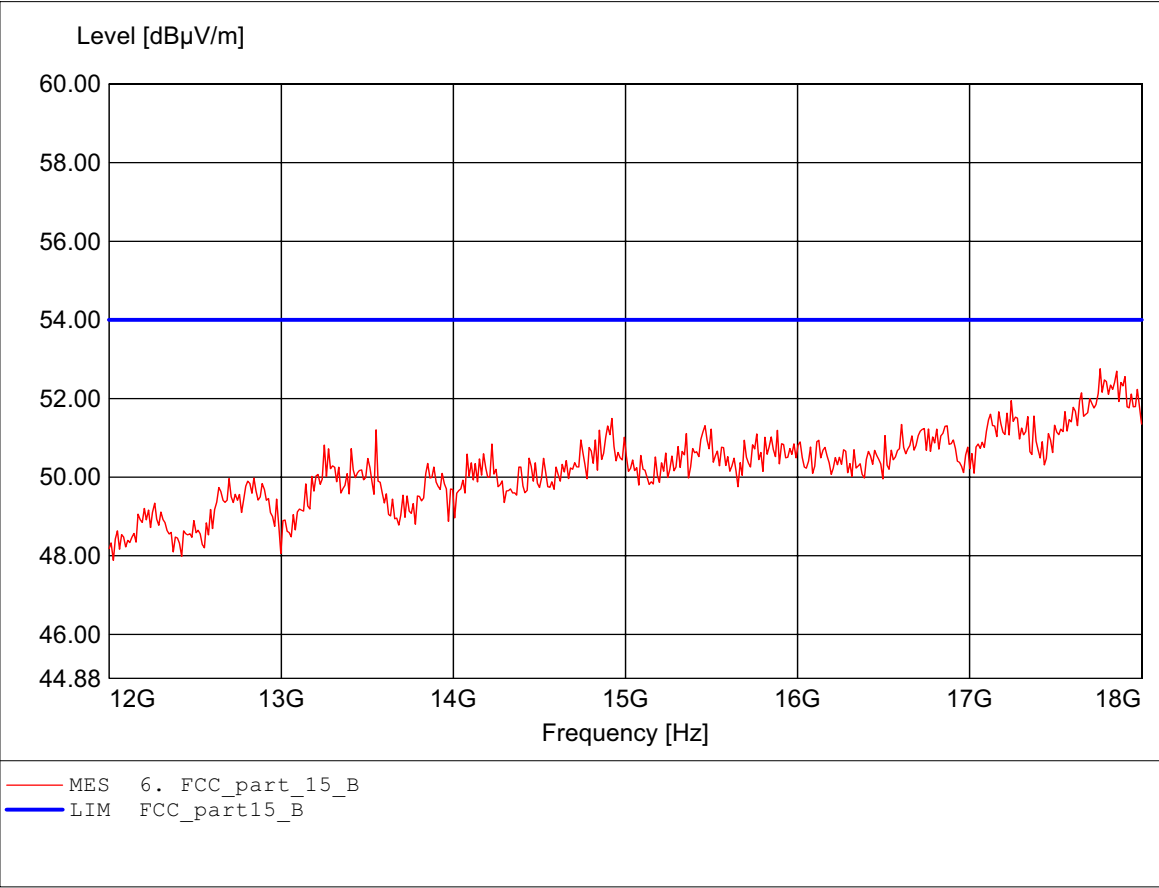
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.535GHz Emax:51.63dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

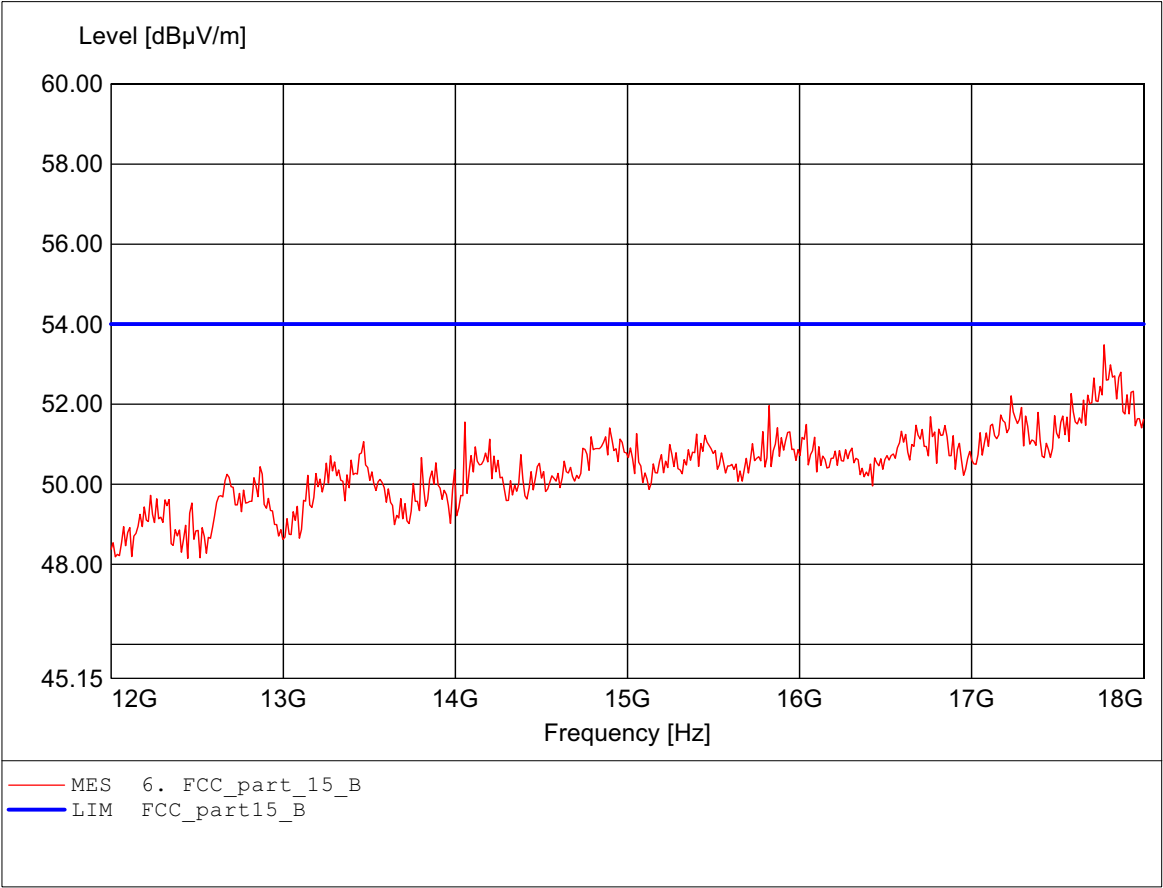
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.760GHz Emax:52.76dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

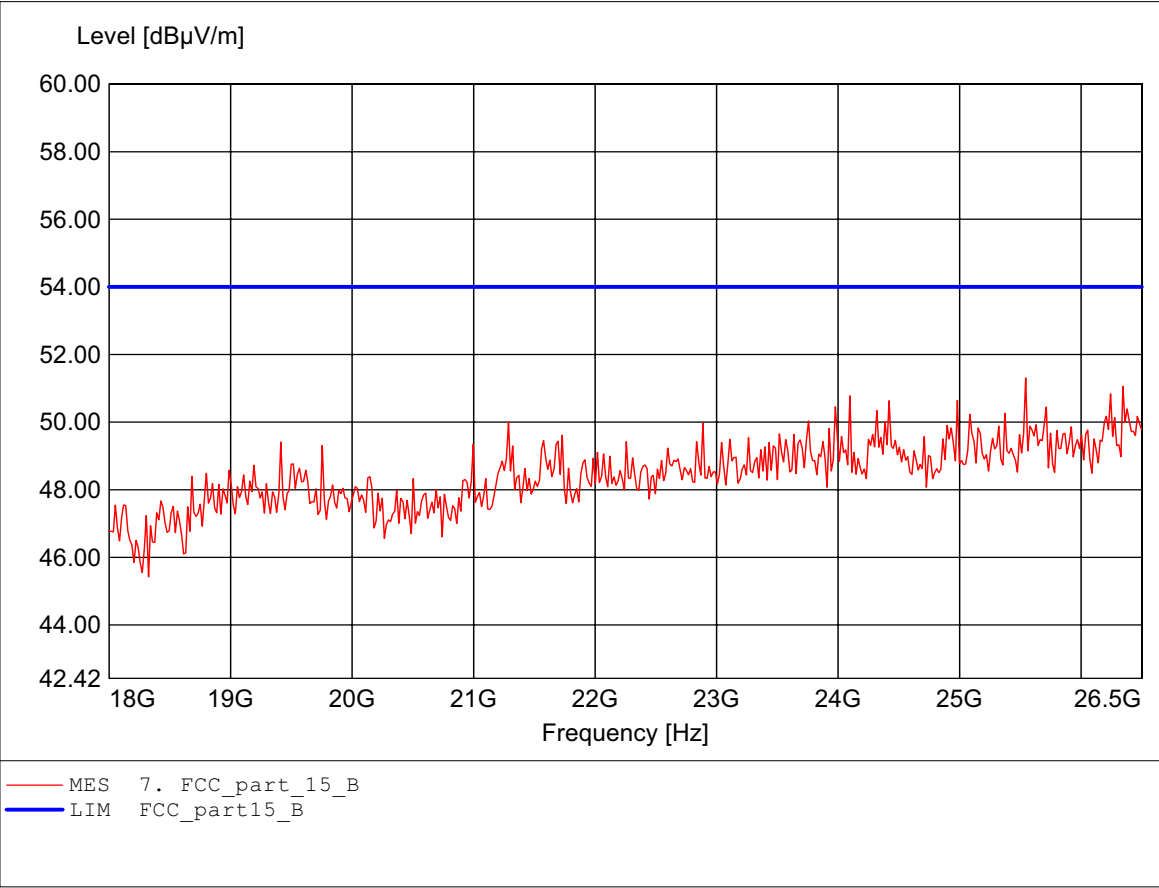
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.772GHz Emax:53.48dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

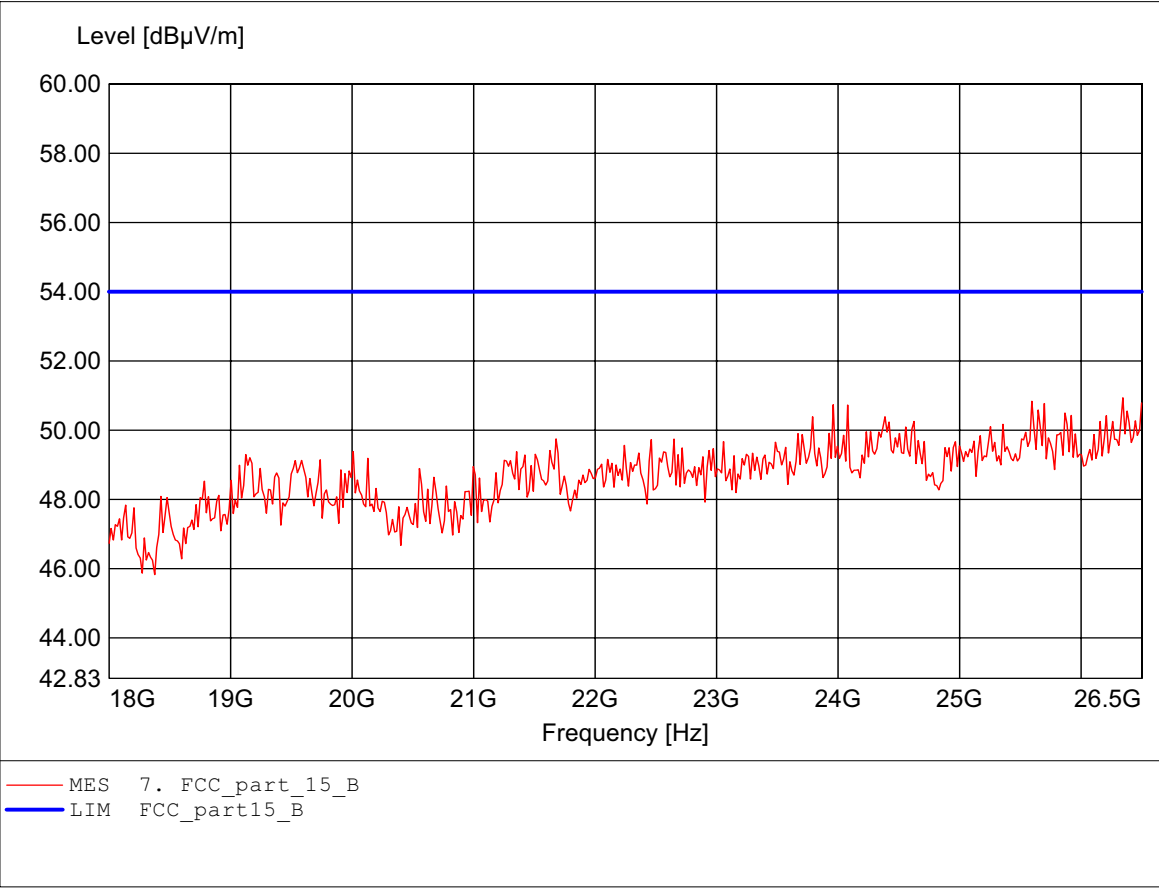
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:25.546GHz Emax:51.30dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

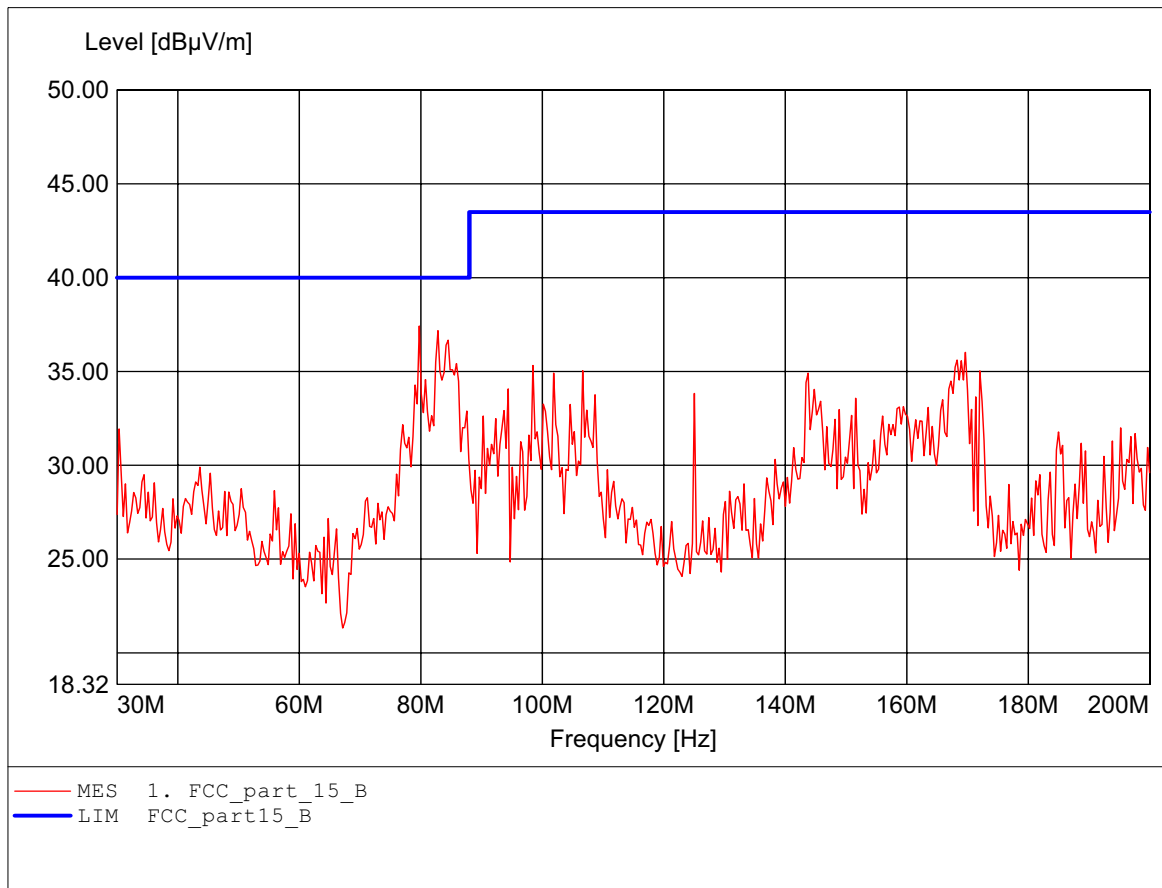
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.36
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:26.347GHz Emax:50.93dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

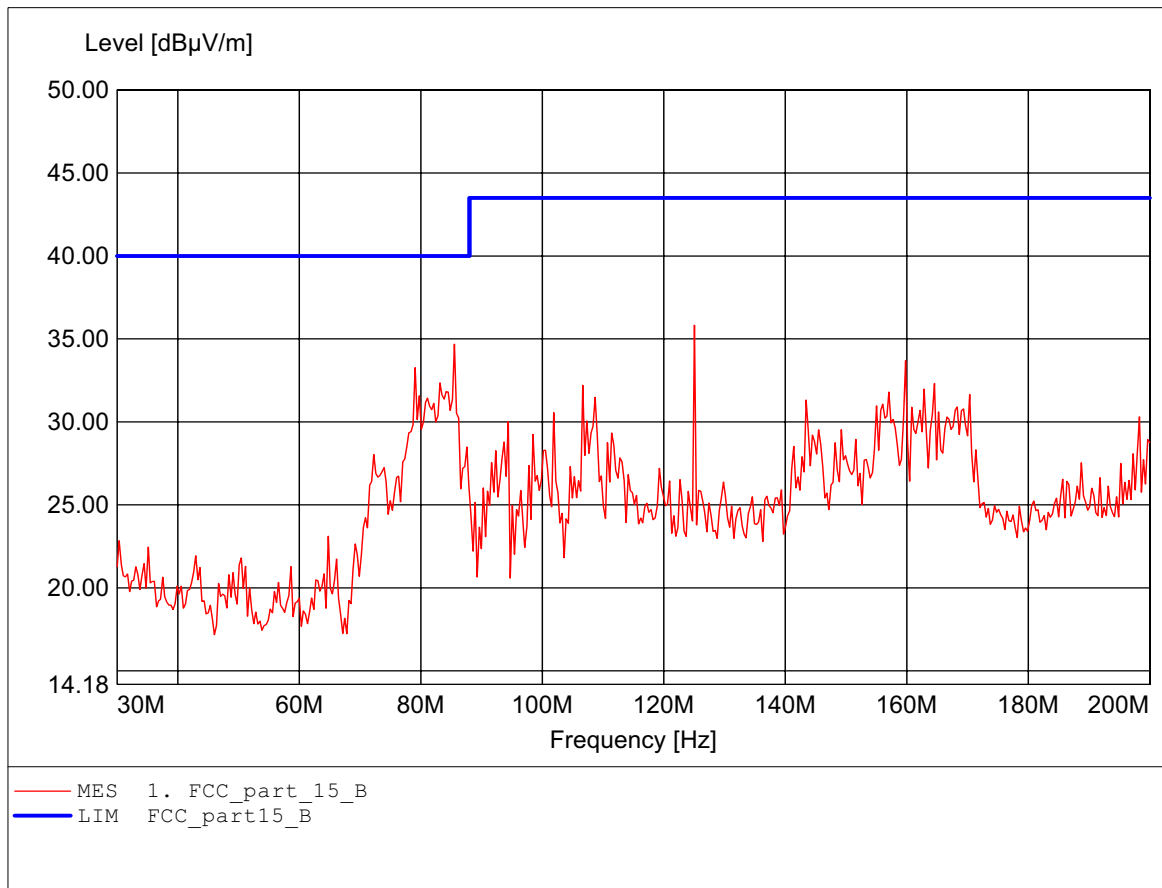
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:79.739MHz Emax:37.42dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

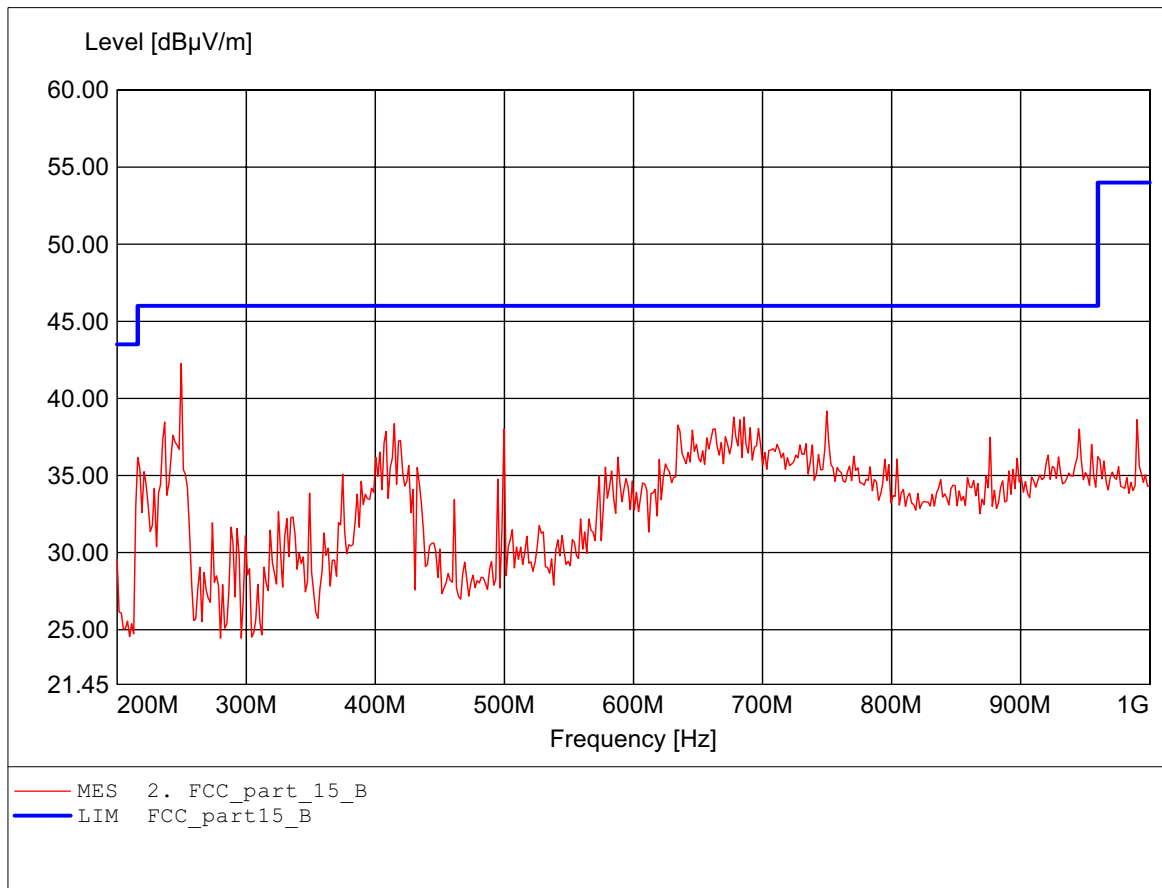
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:125.050MHz Emax:35.82dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

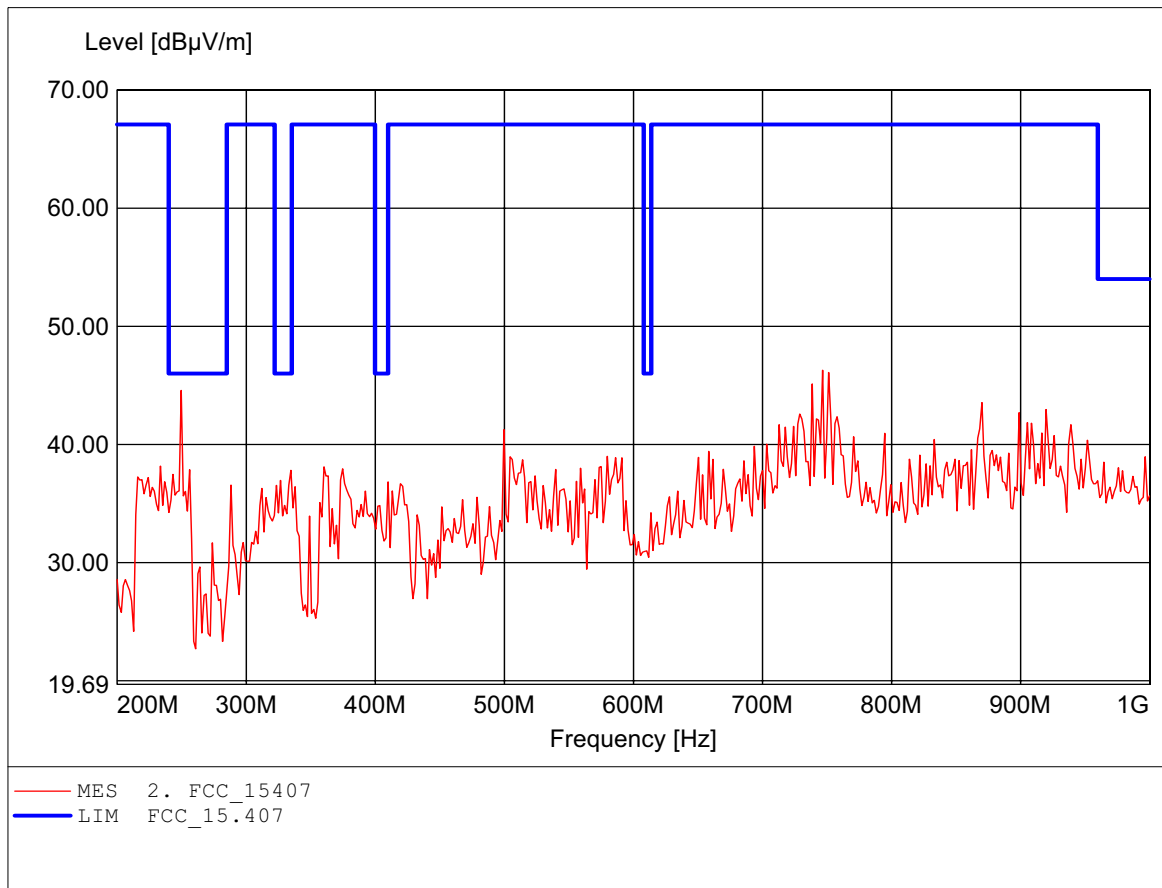
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:249.699MHz Emax:42.27dBμV/m RBW: 100 kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

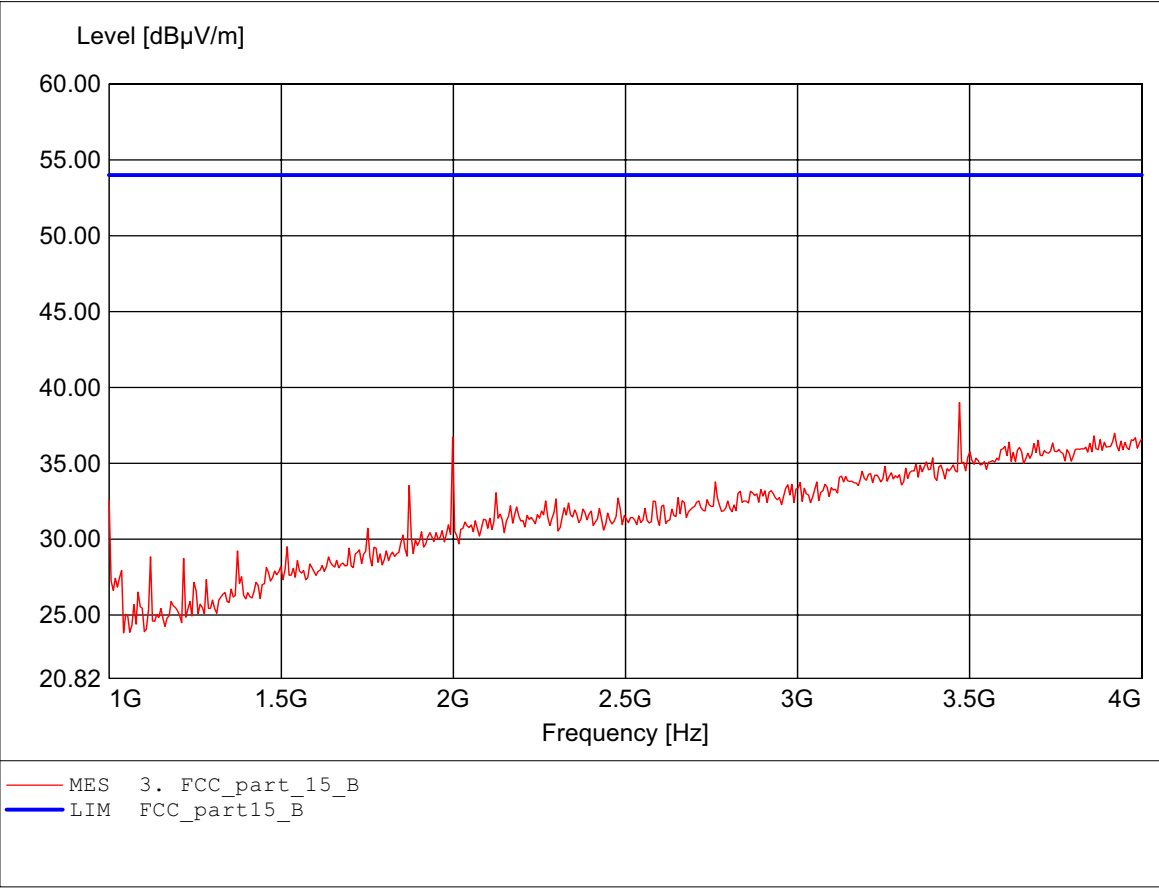
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to Section 15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Freq: 746.693MHz, Emax: 46.28dBμV/m, RBW: 100kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

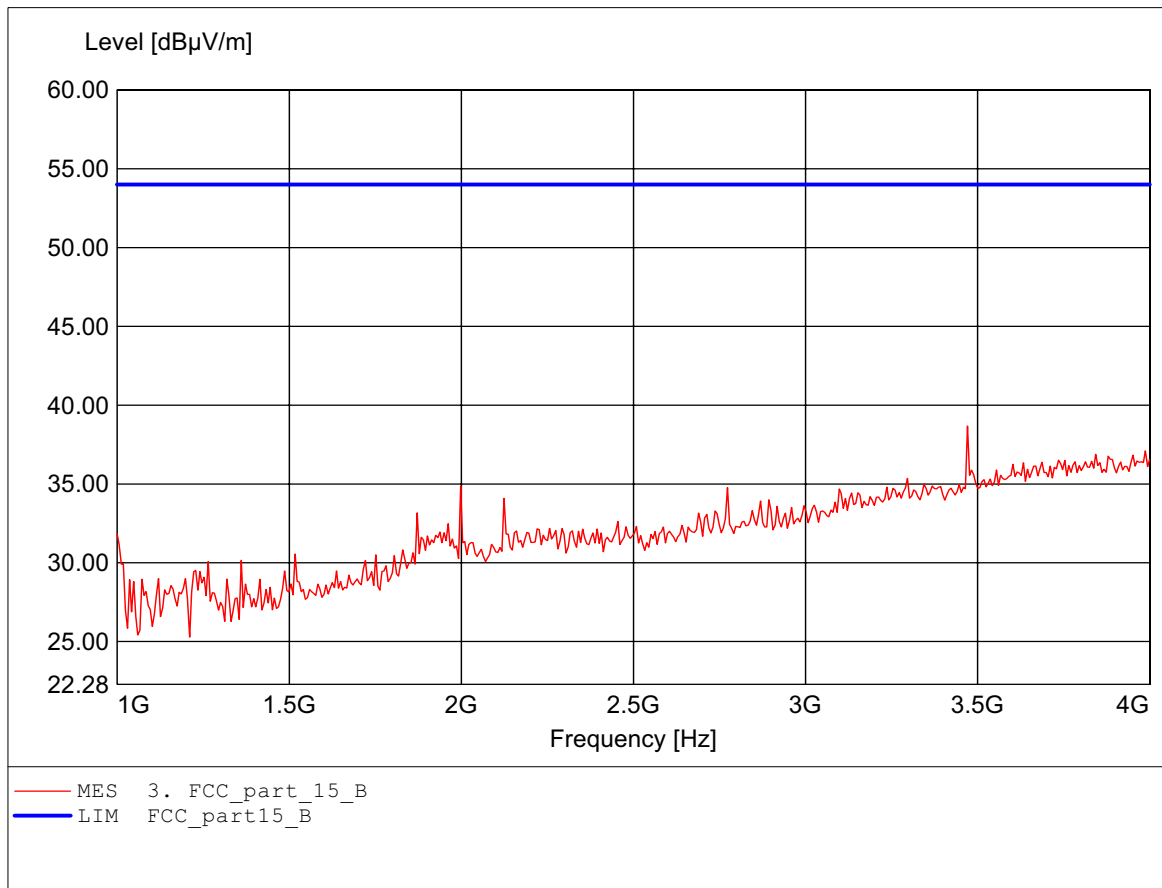
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.471GHz Emax:39.01dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

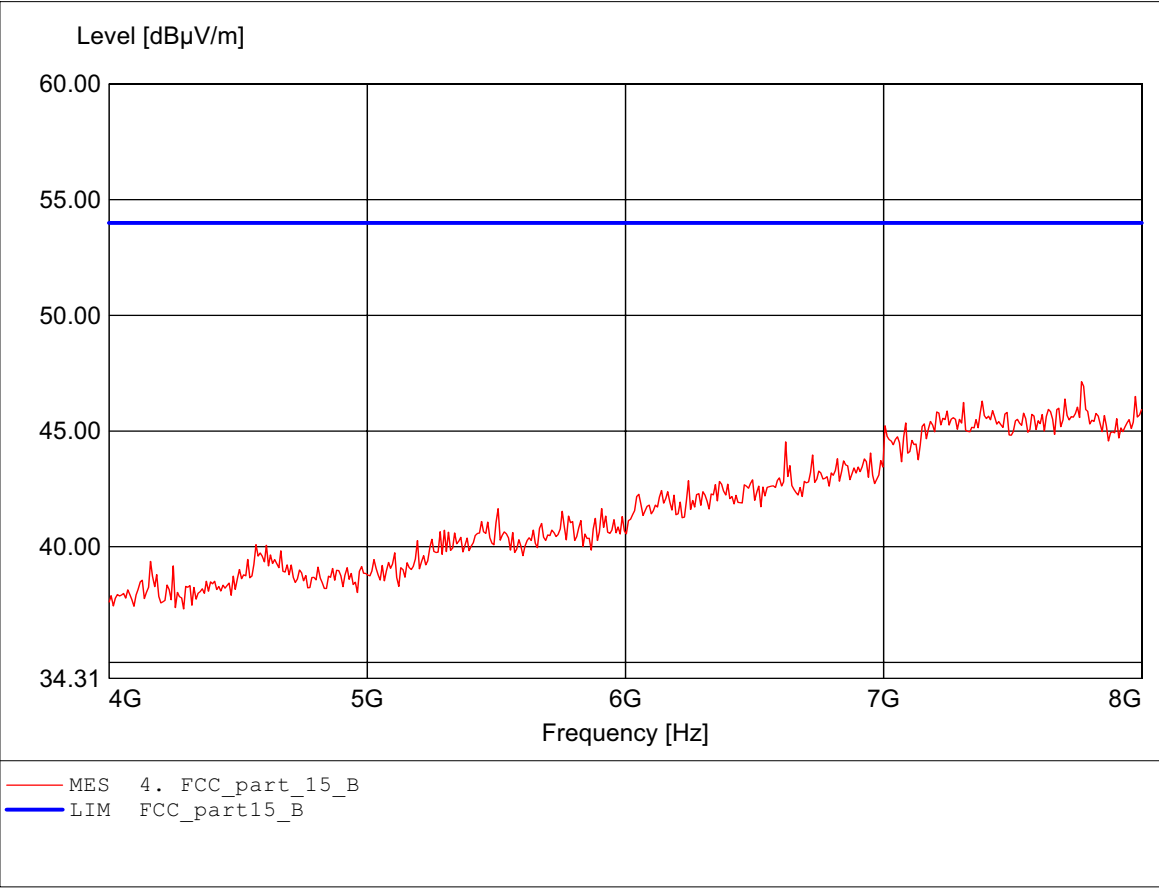
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.471GHz Emax:38.67dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

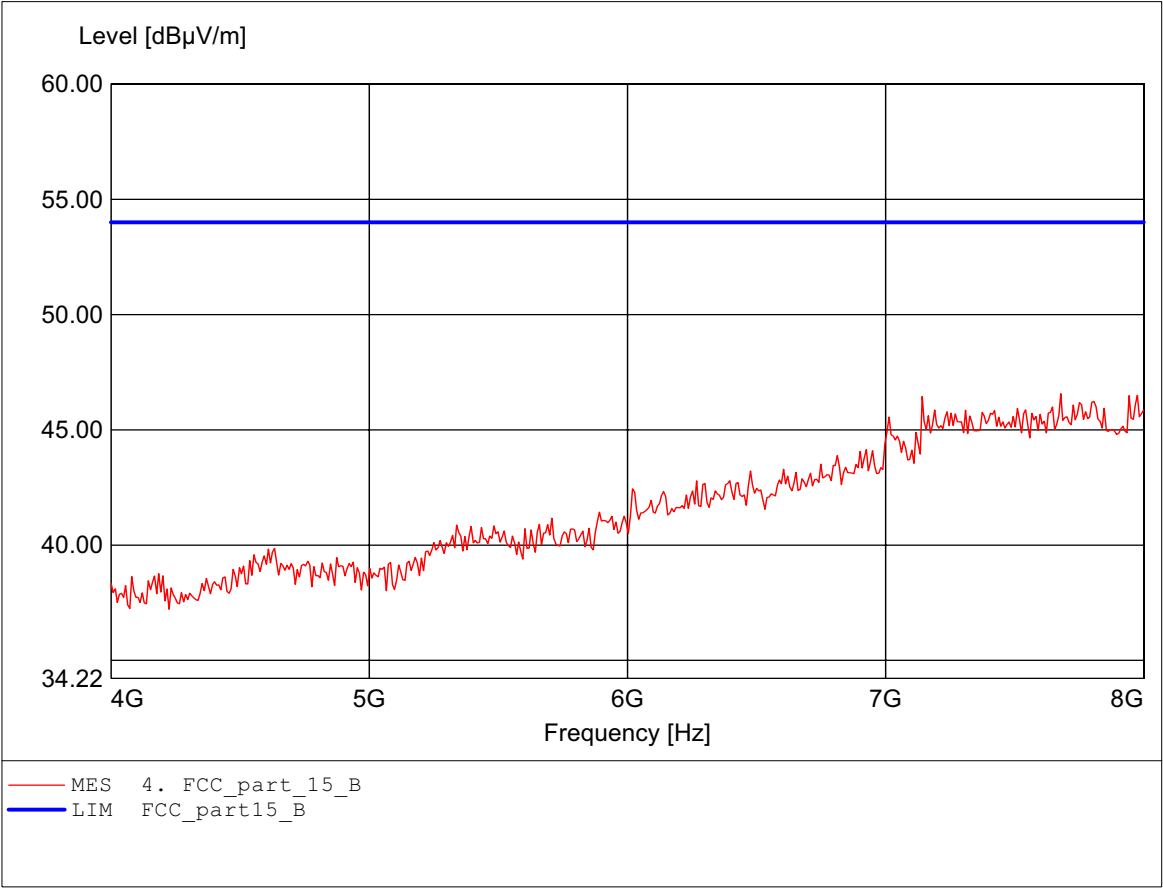
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.768GHz Emax:47.14dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

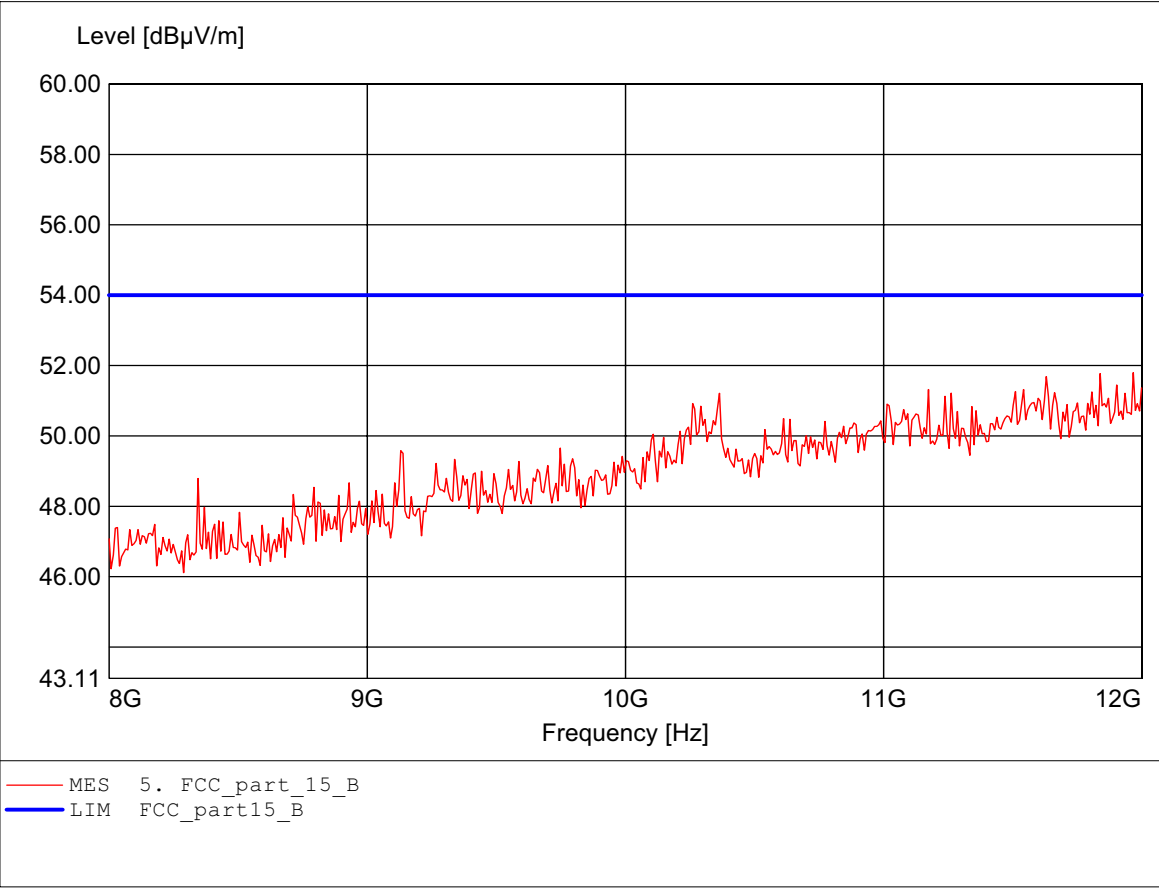
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.679GHz Emax:46.56dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

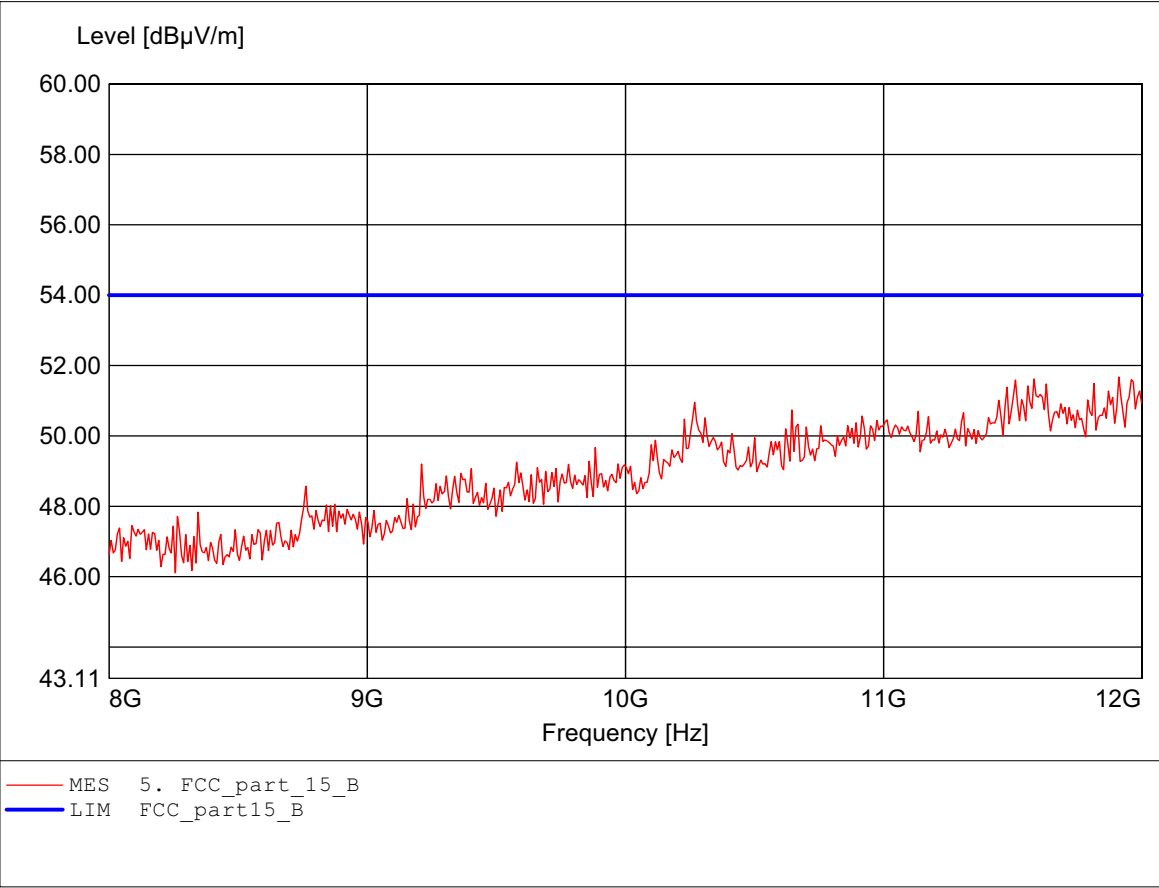
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.968GHz Emax:51.80dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

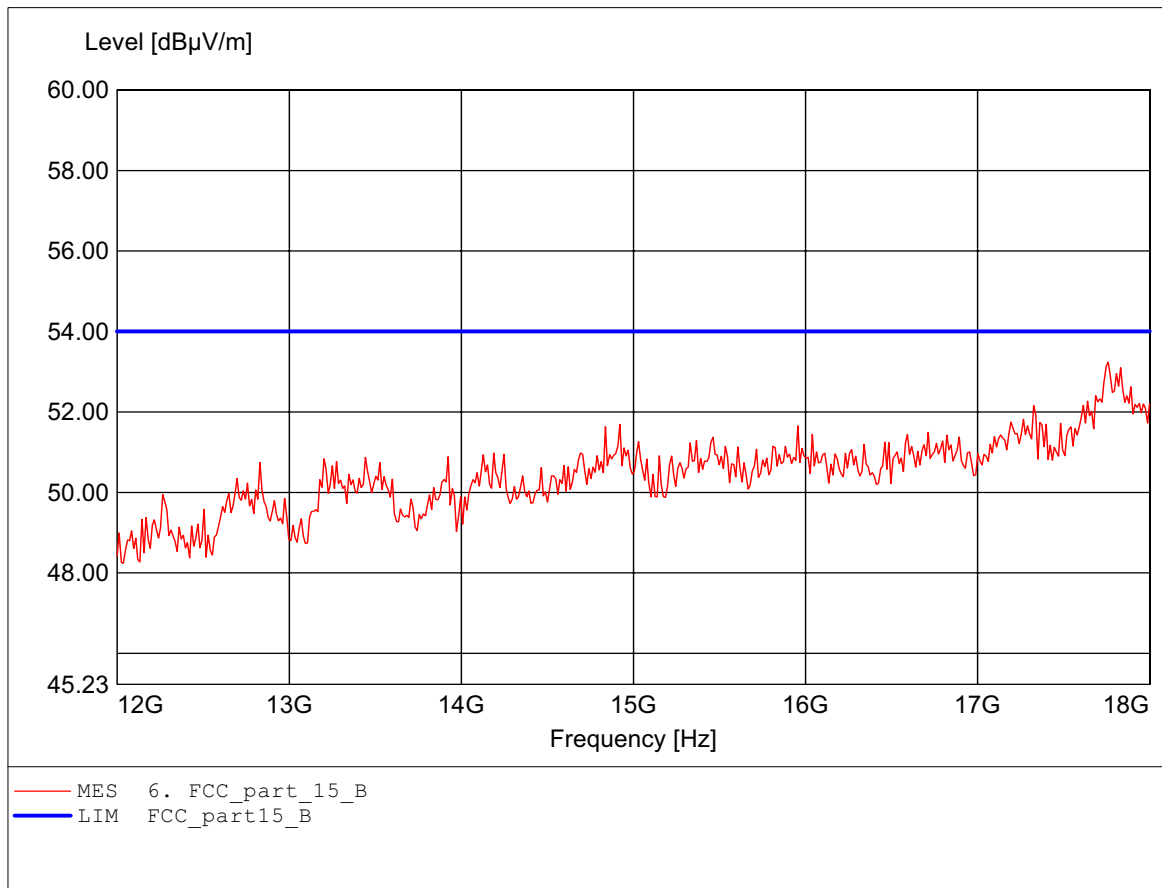
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.912GHz Emax:51.67dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

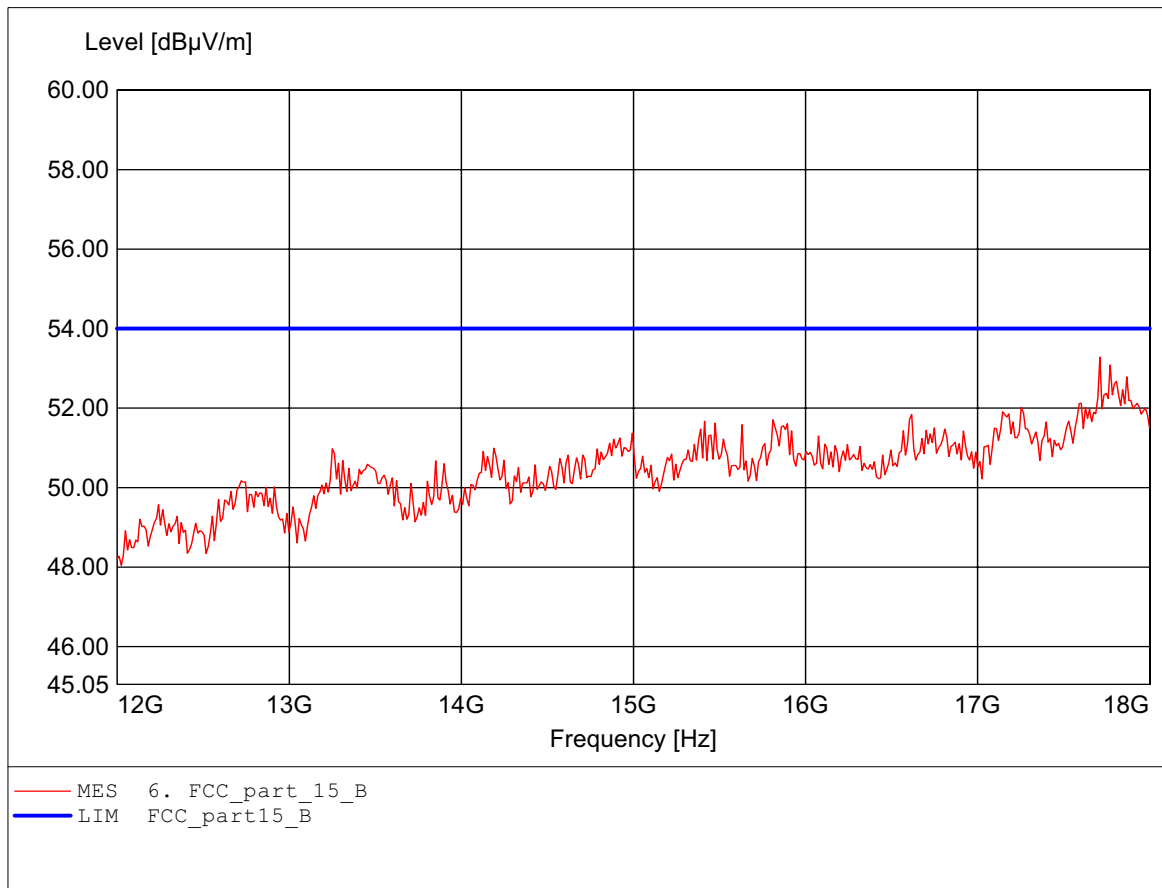
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.760GHz Emax:53.24dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

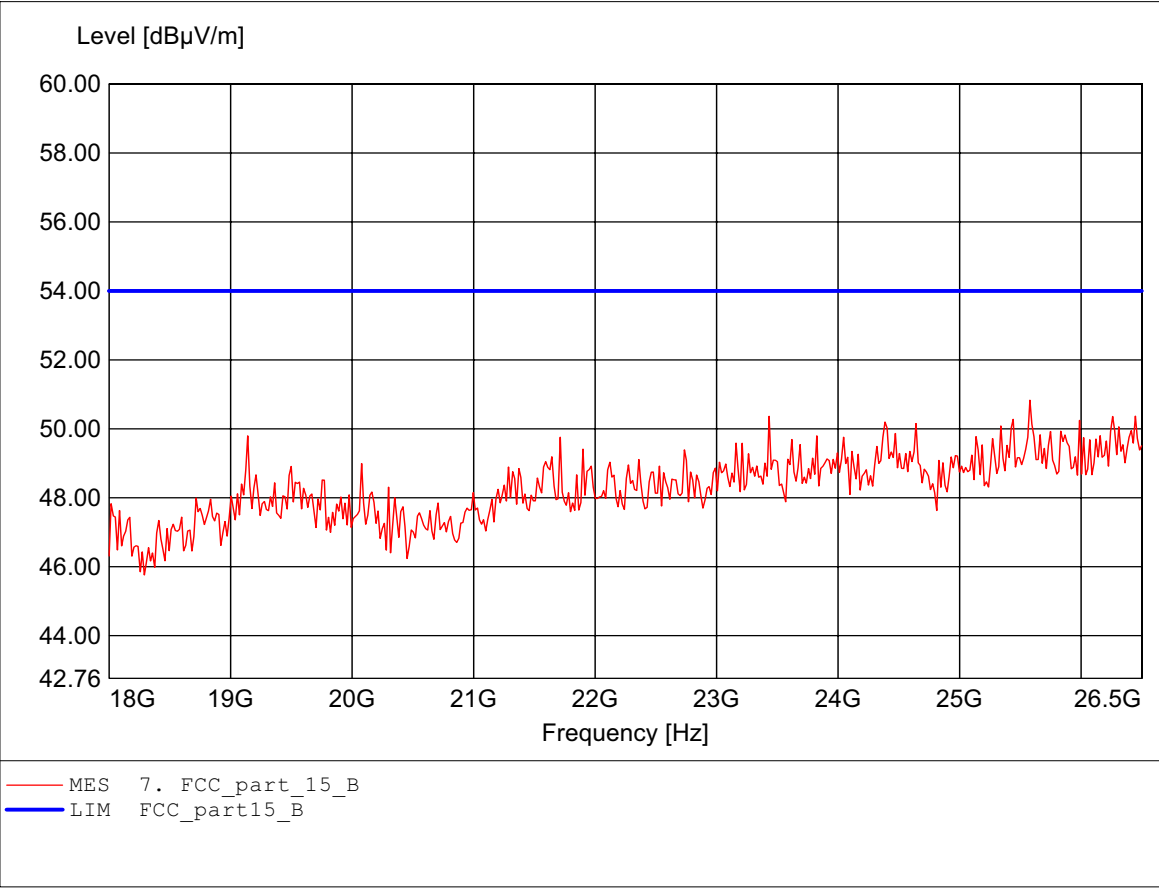
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.711GHz Emax:53.28dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

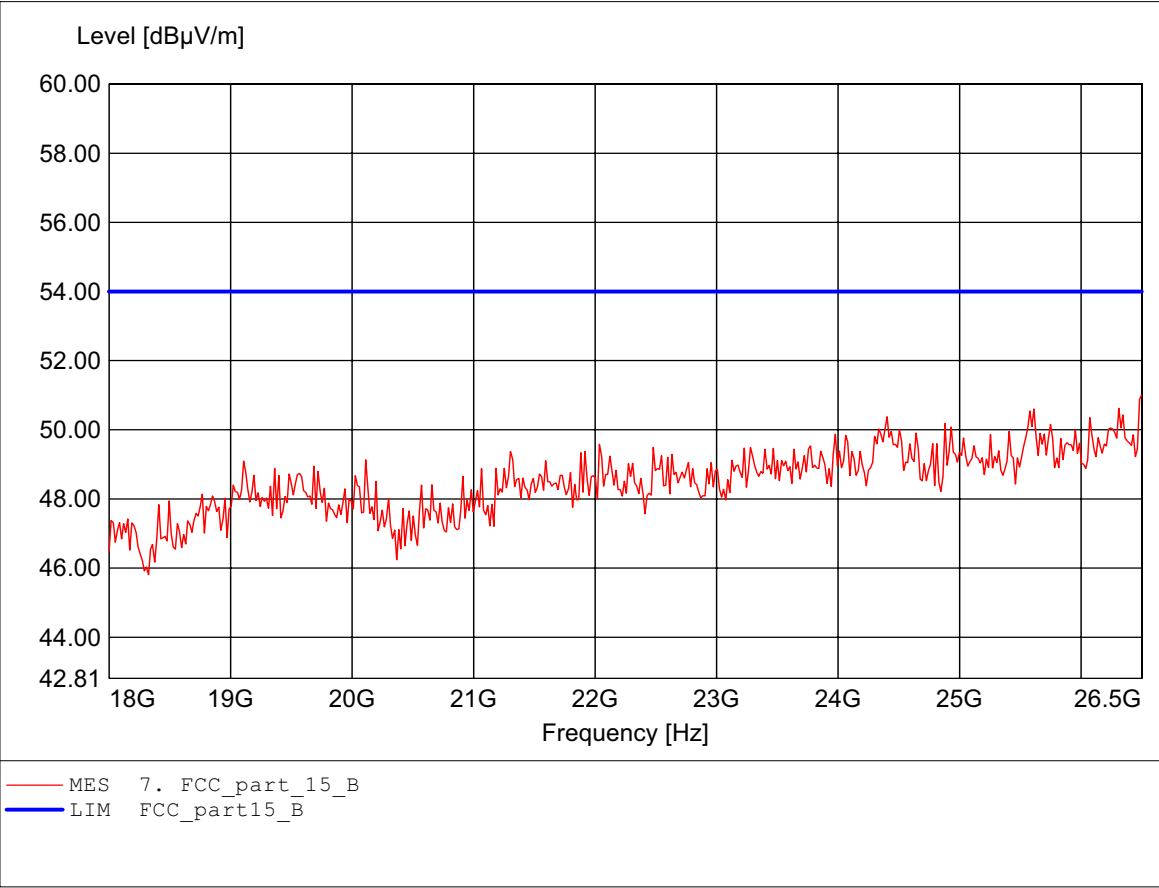
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:25.580GHz Emax:50.83dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

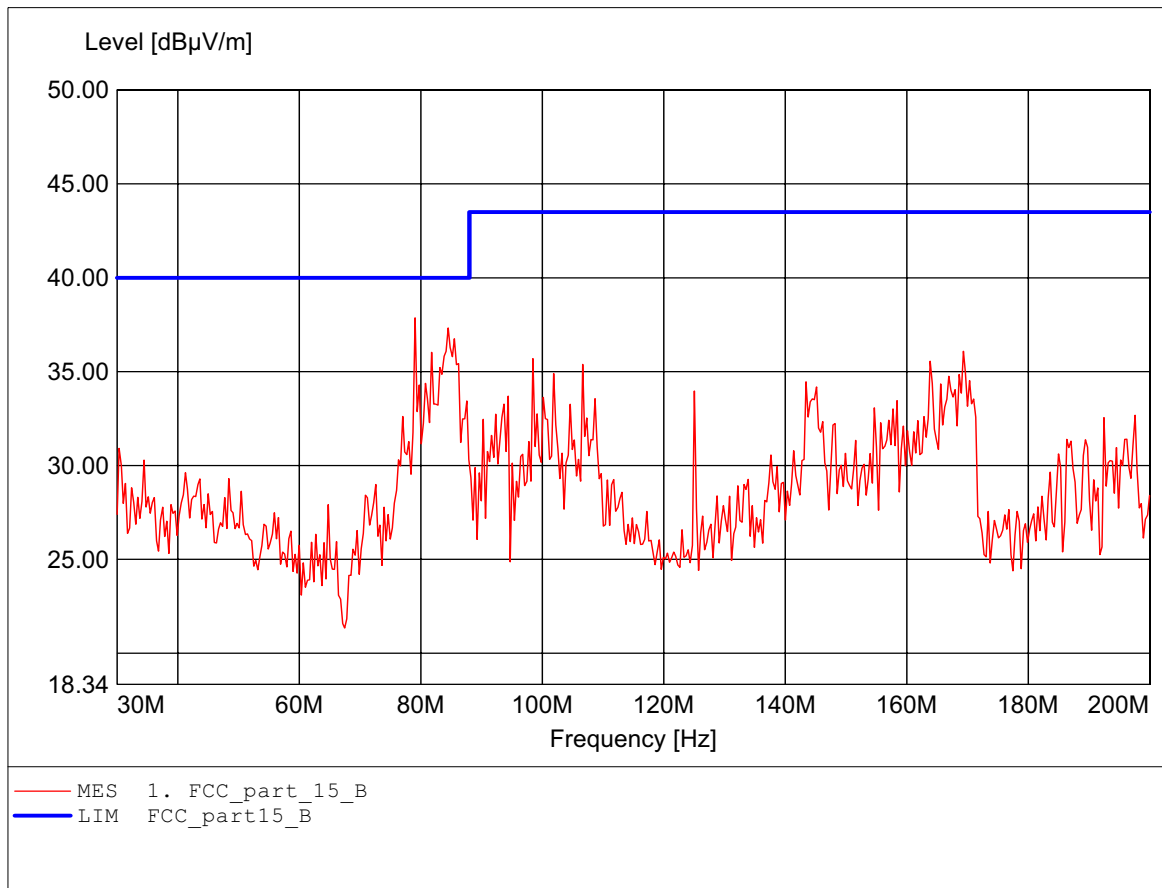
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.40
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:26.500GHz Emax:51.00dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

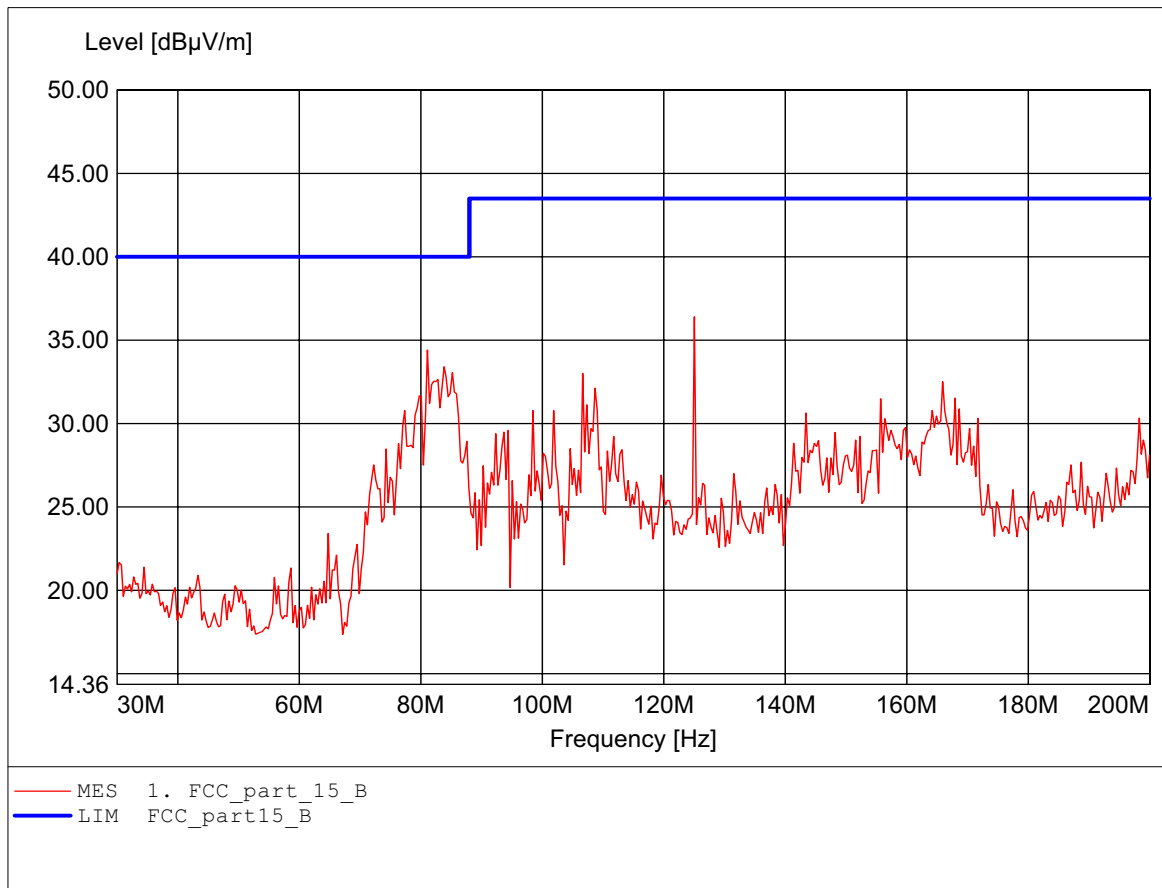
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:79.058MHz Emax:37.86dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

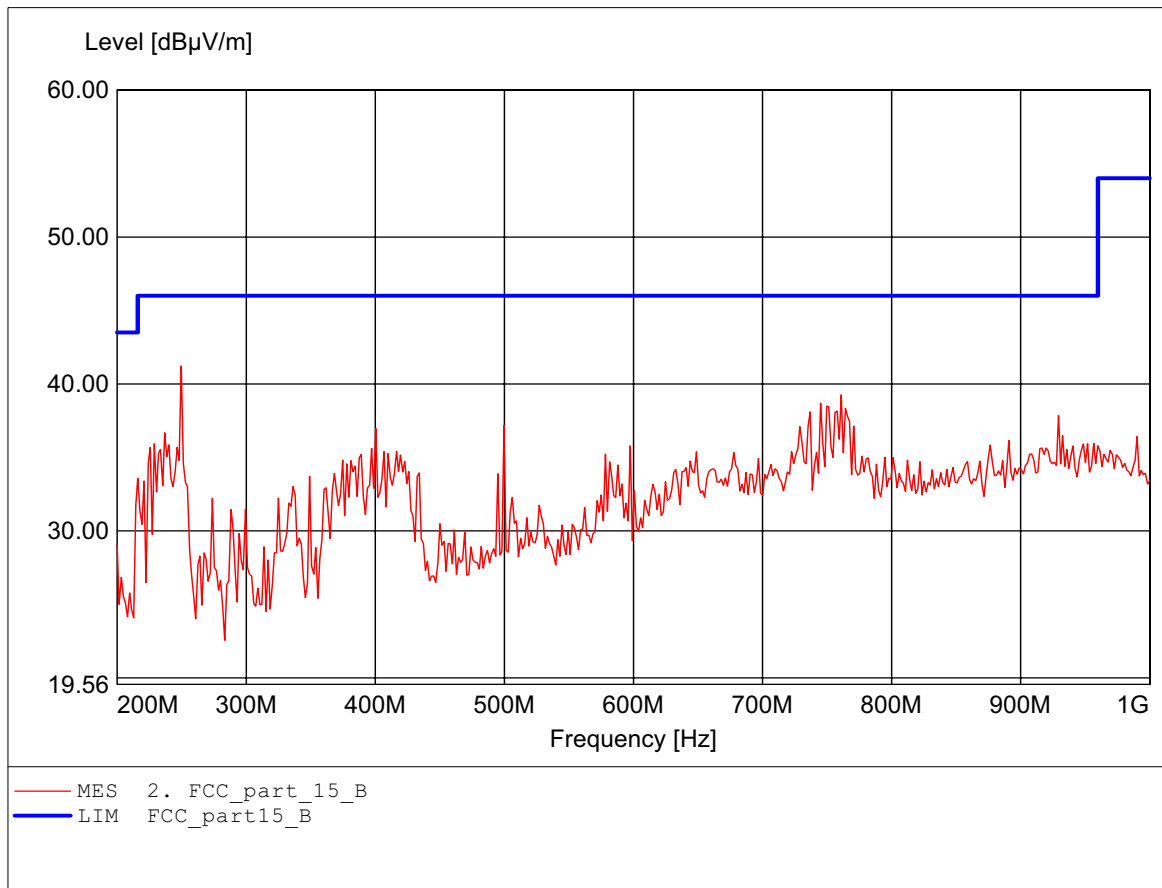
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:125.050MHz Emax:36.40dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

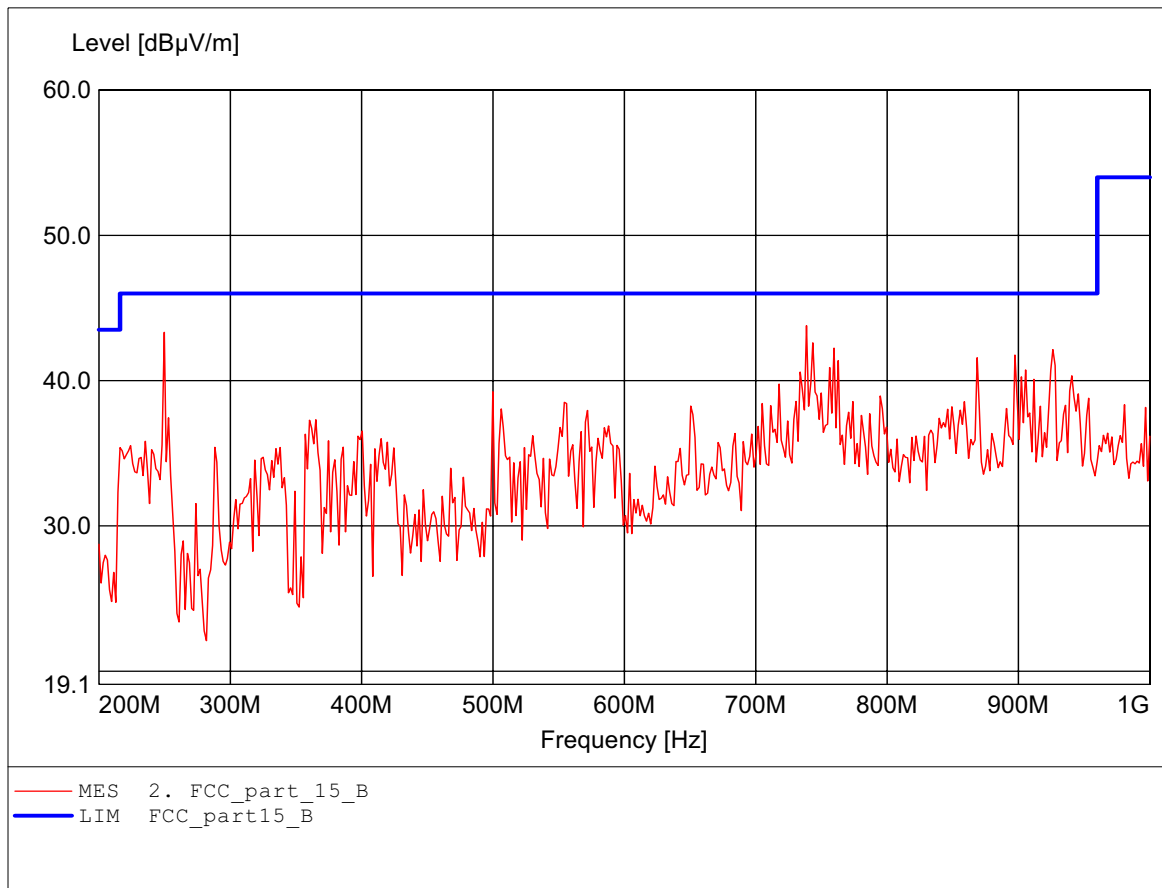
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:249.699MHz Emax:41.22dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

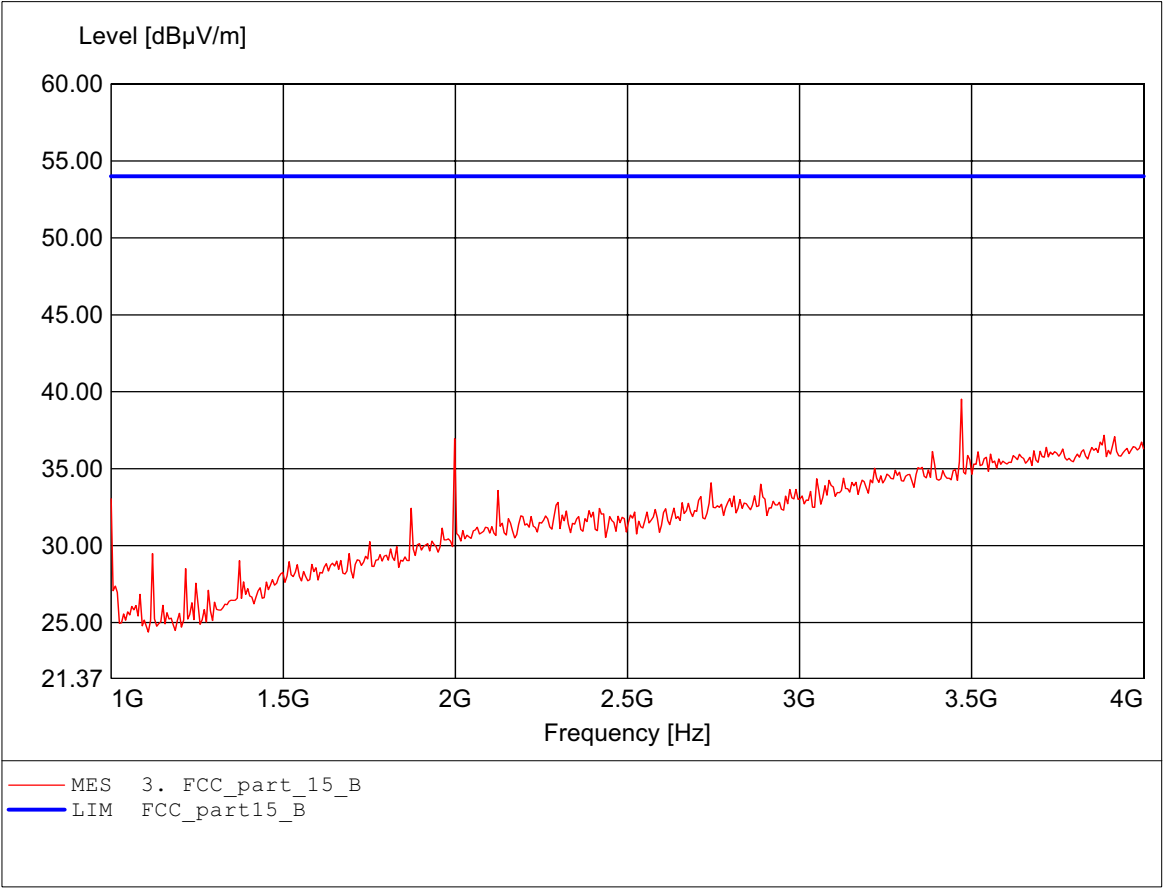
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq: 738.677MHz Emax: 43.78dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

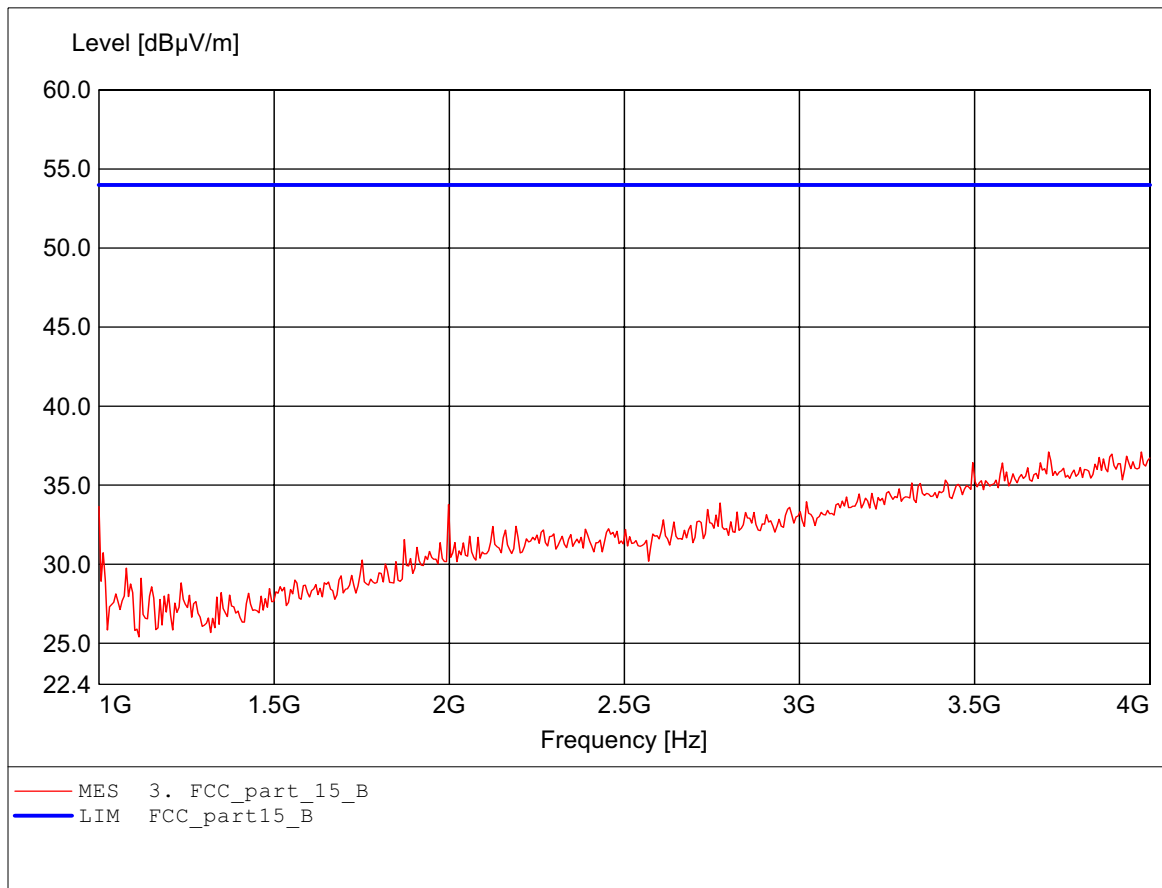
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.471GHz Emax:39.51dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

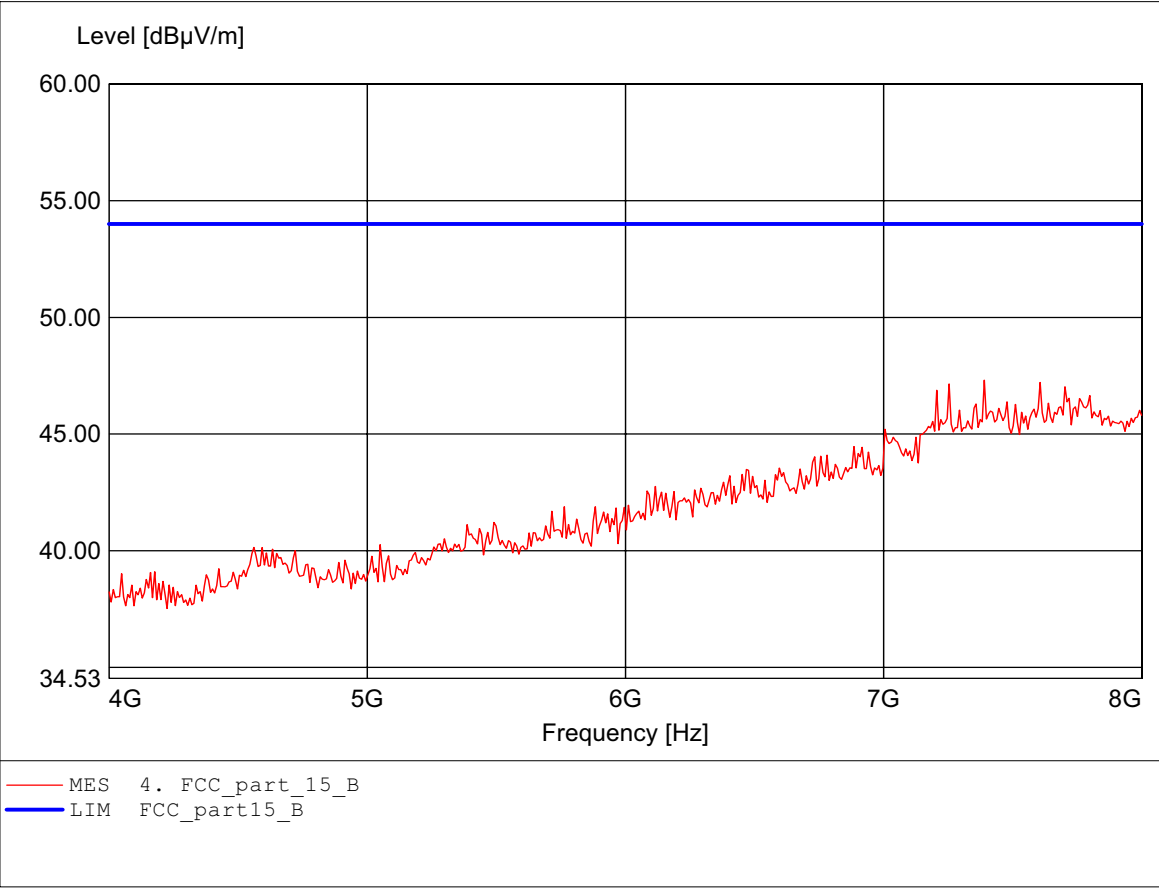
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.976GHz Emax:37.10dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

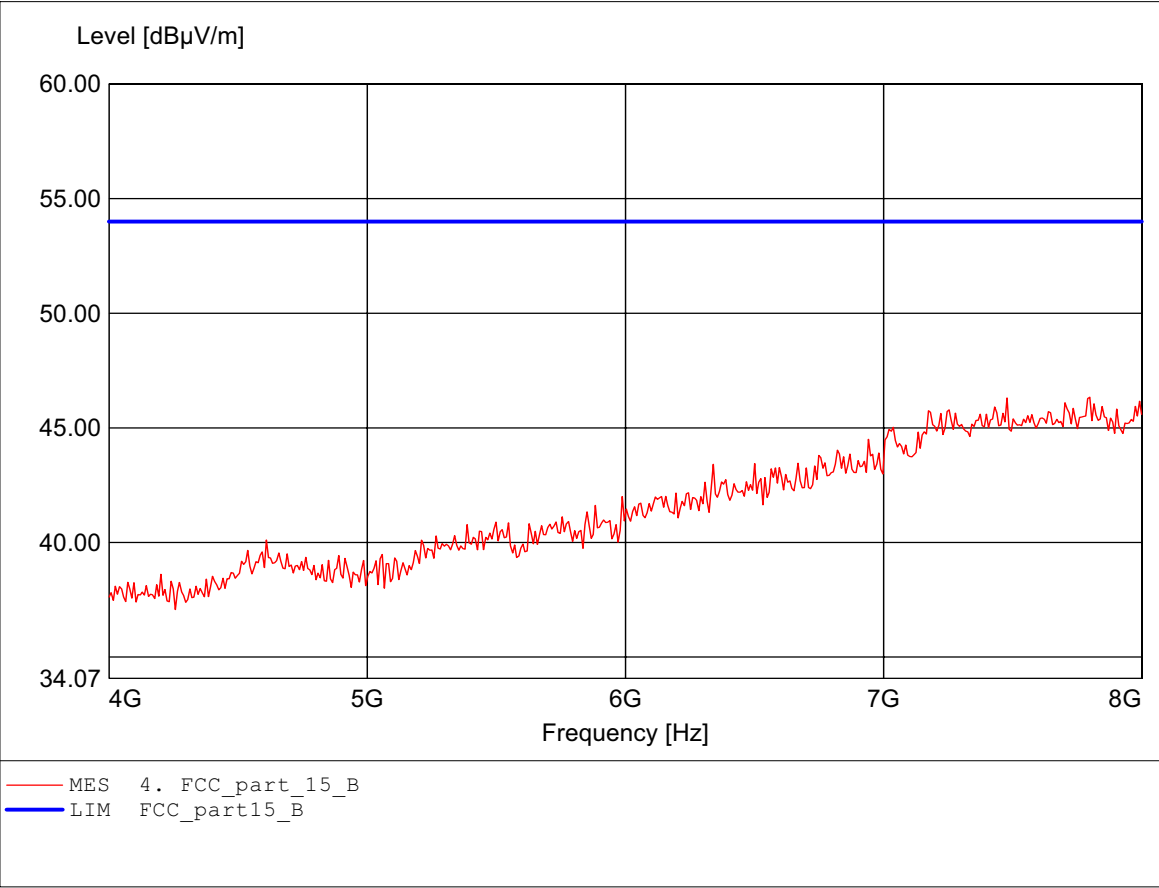
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.391GHz Emax:47.30dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

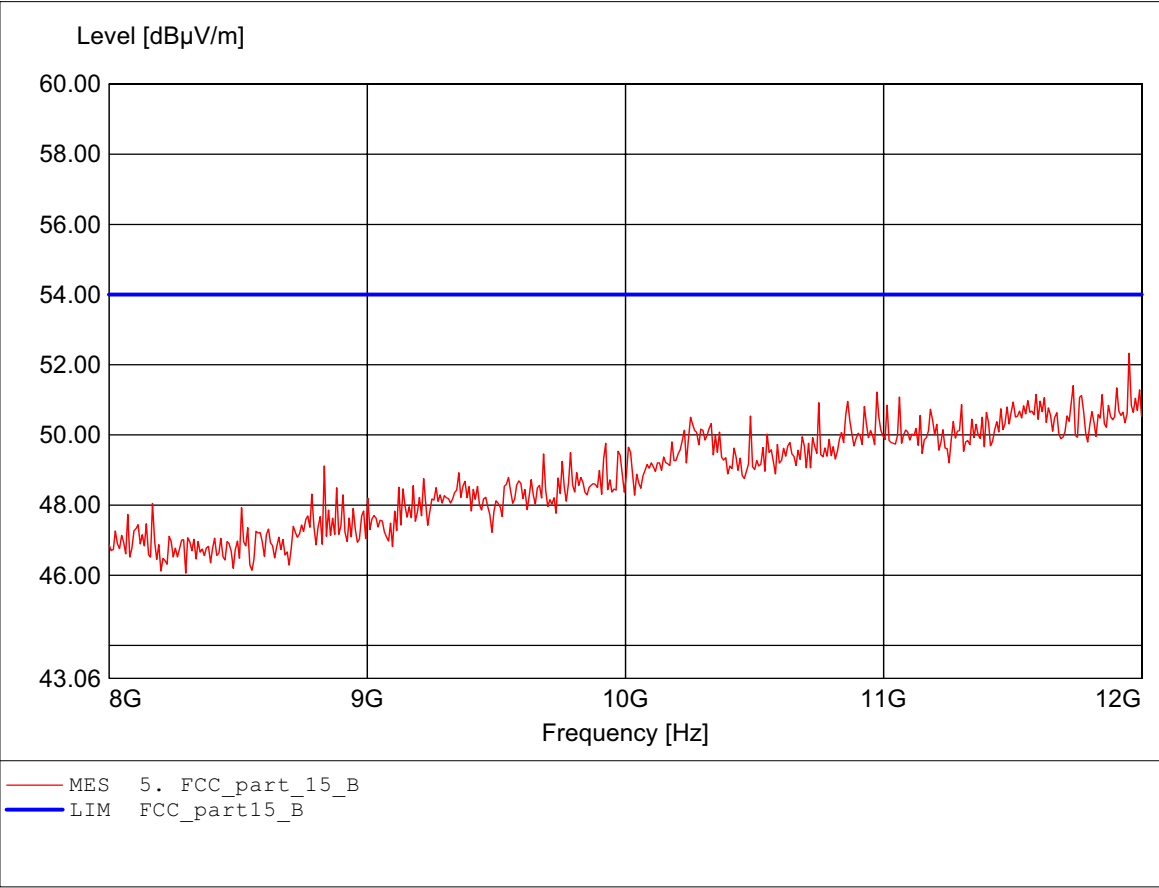
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.800GHz Emax:46.33dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

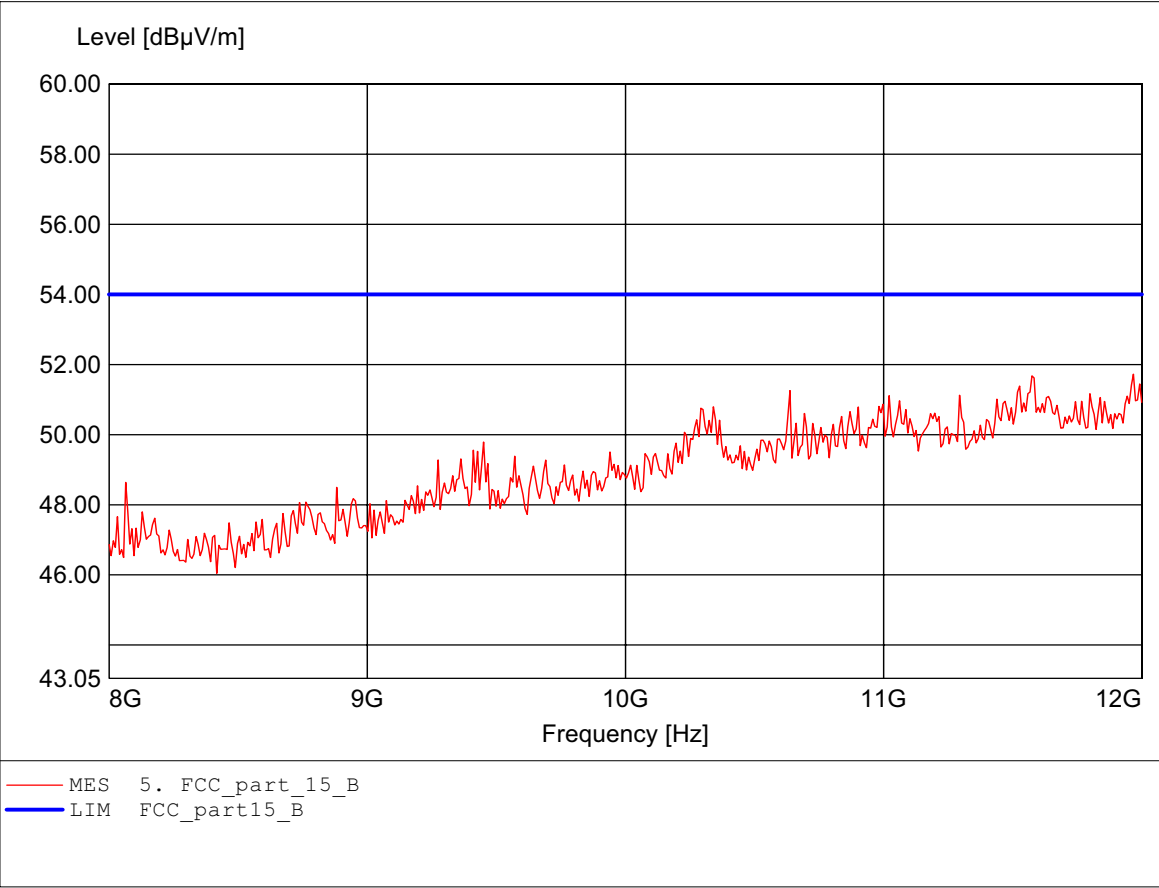
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.952GHz Emax:52.33dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

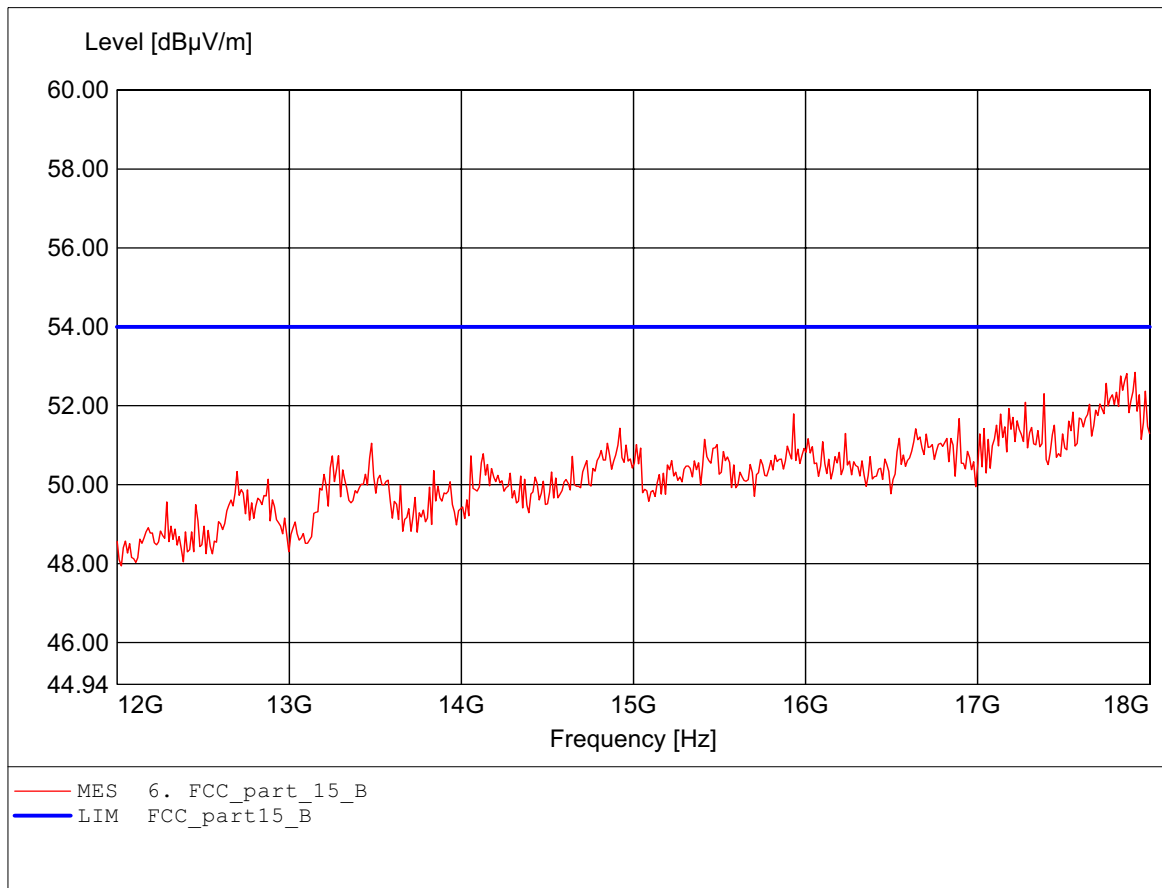
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a high channel
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.968GHz Emax:51.72dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

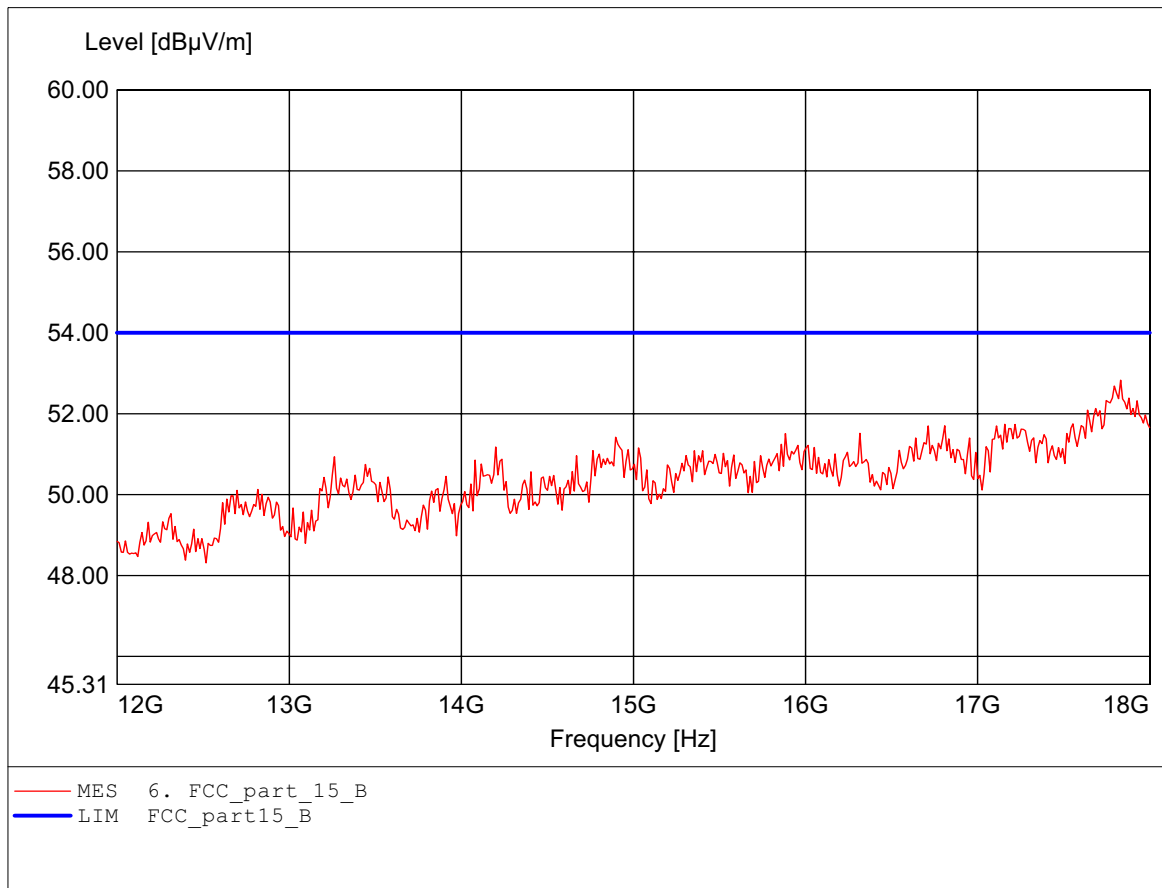
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.916GHz Emax:52.85dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

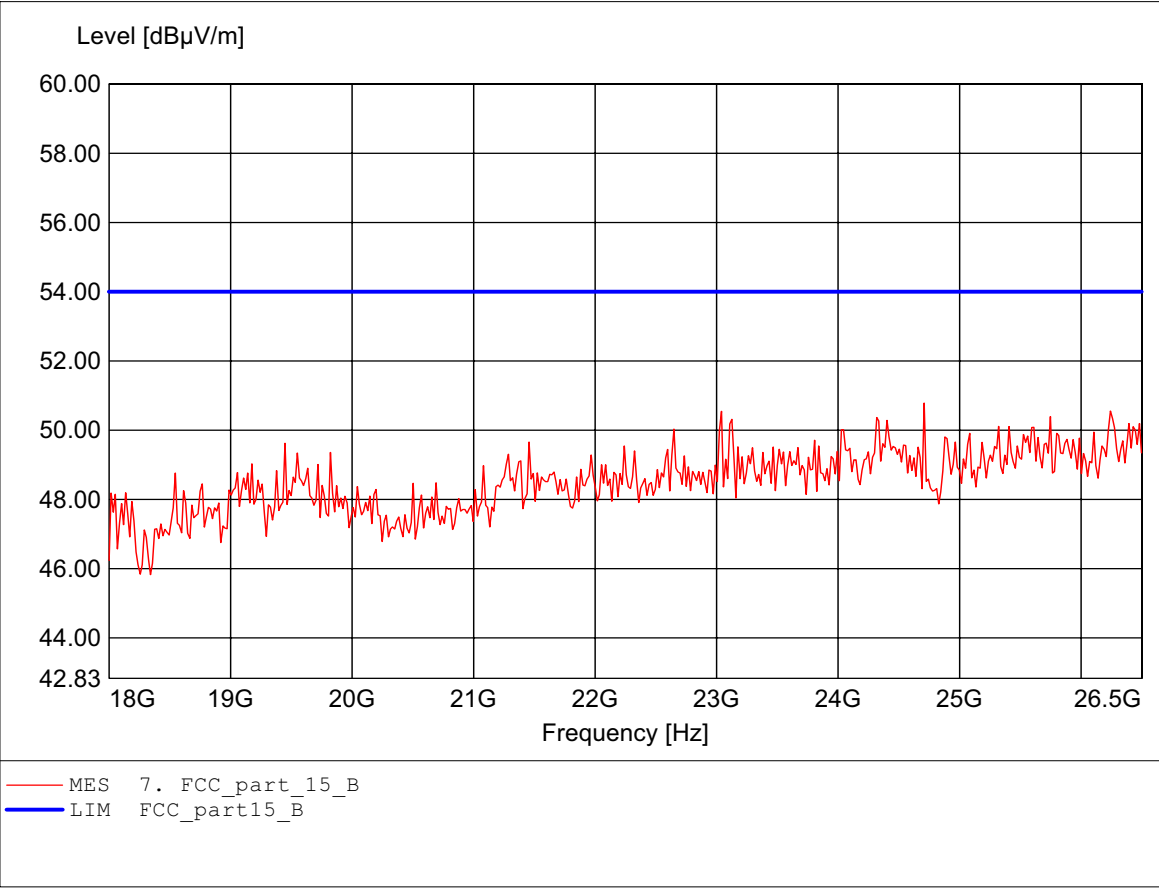
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.832GHz Emax:52.83dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

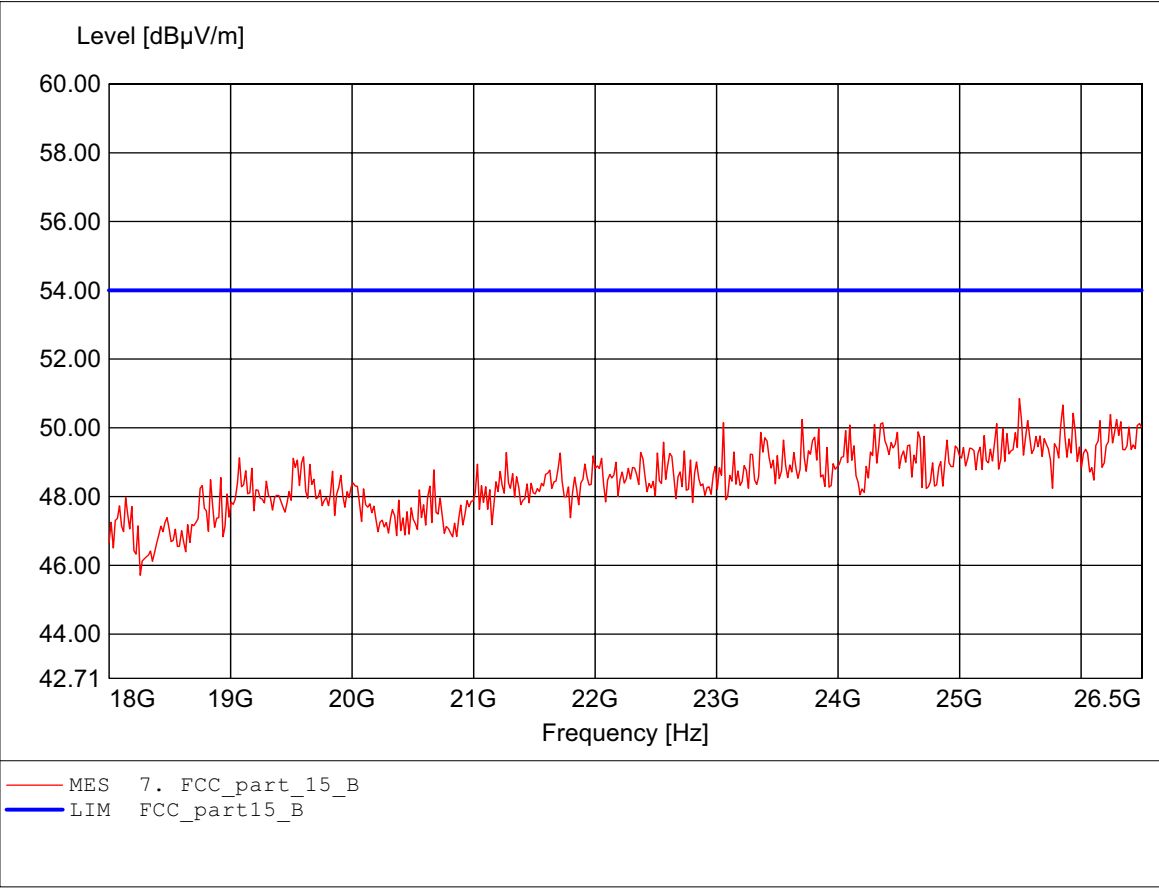
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:24.711GHz Emax:50.78dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

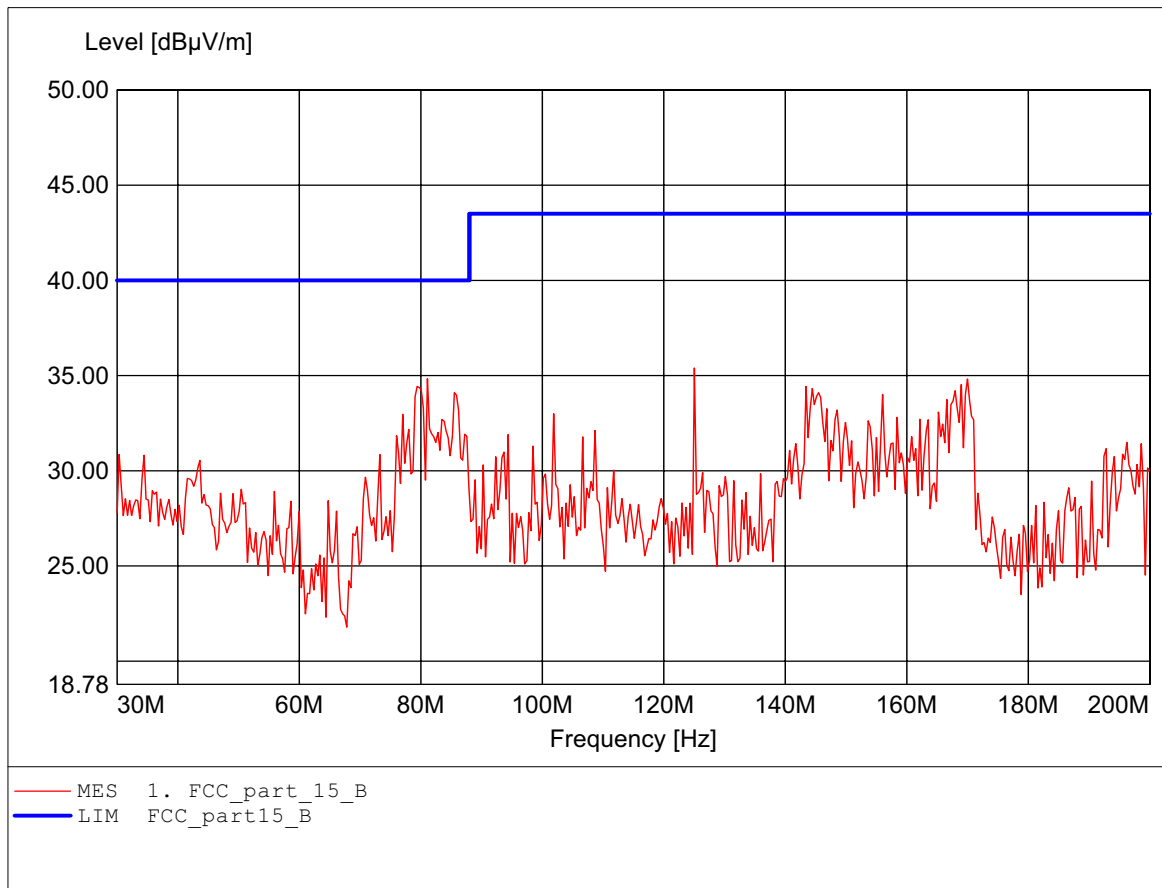
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.48
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:25.495GHz Emax:50.85dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

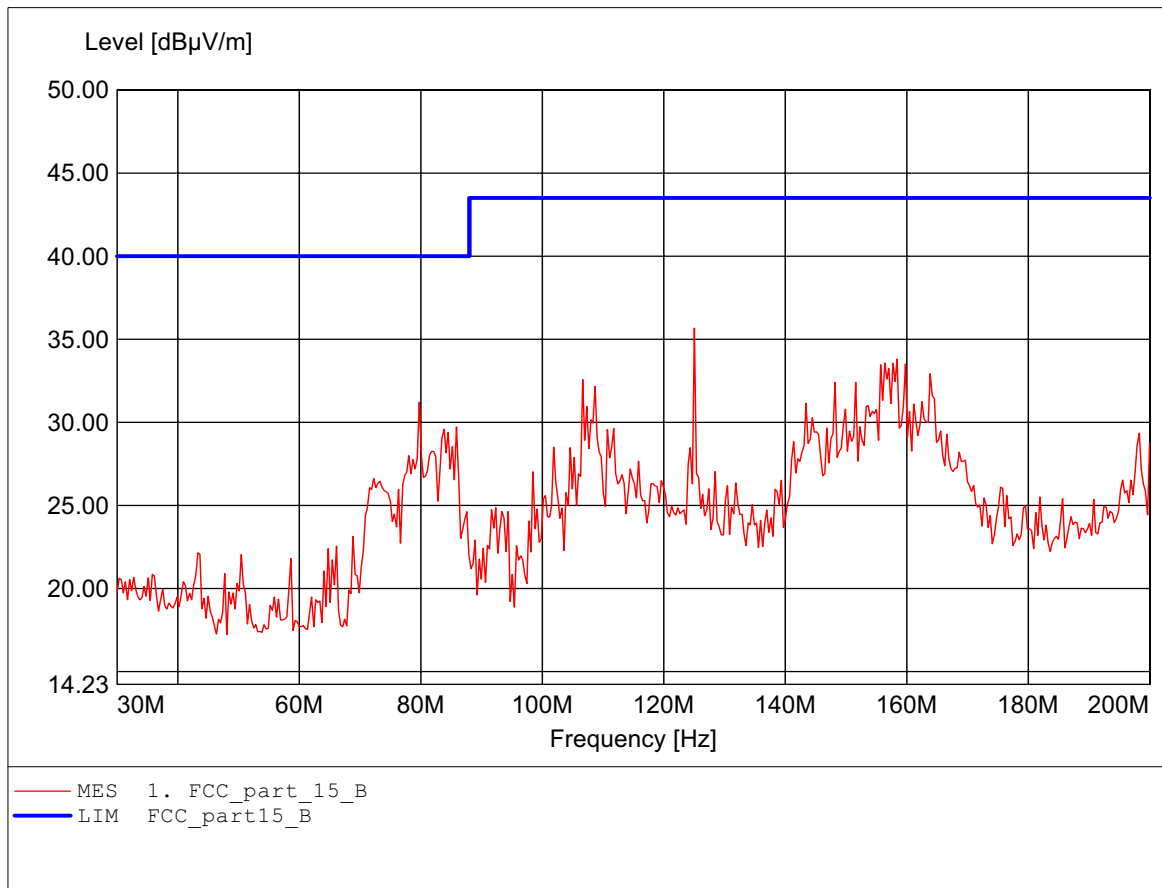
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:125.050MHz Emax:35.40dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

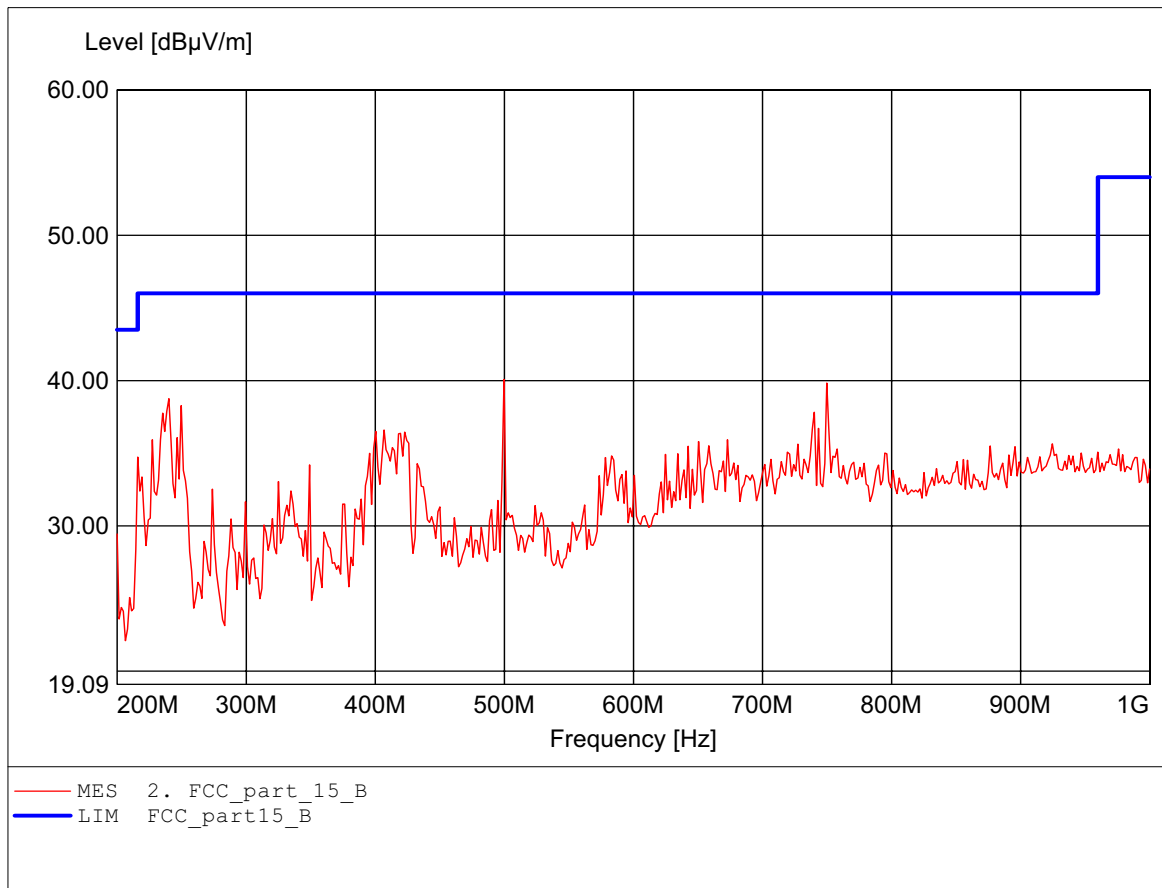
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:125.050MHz Emax:35.67dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

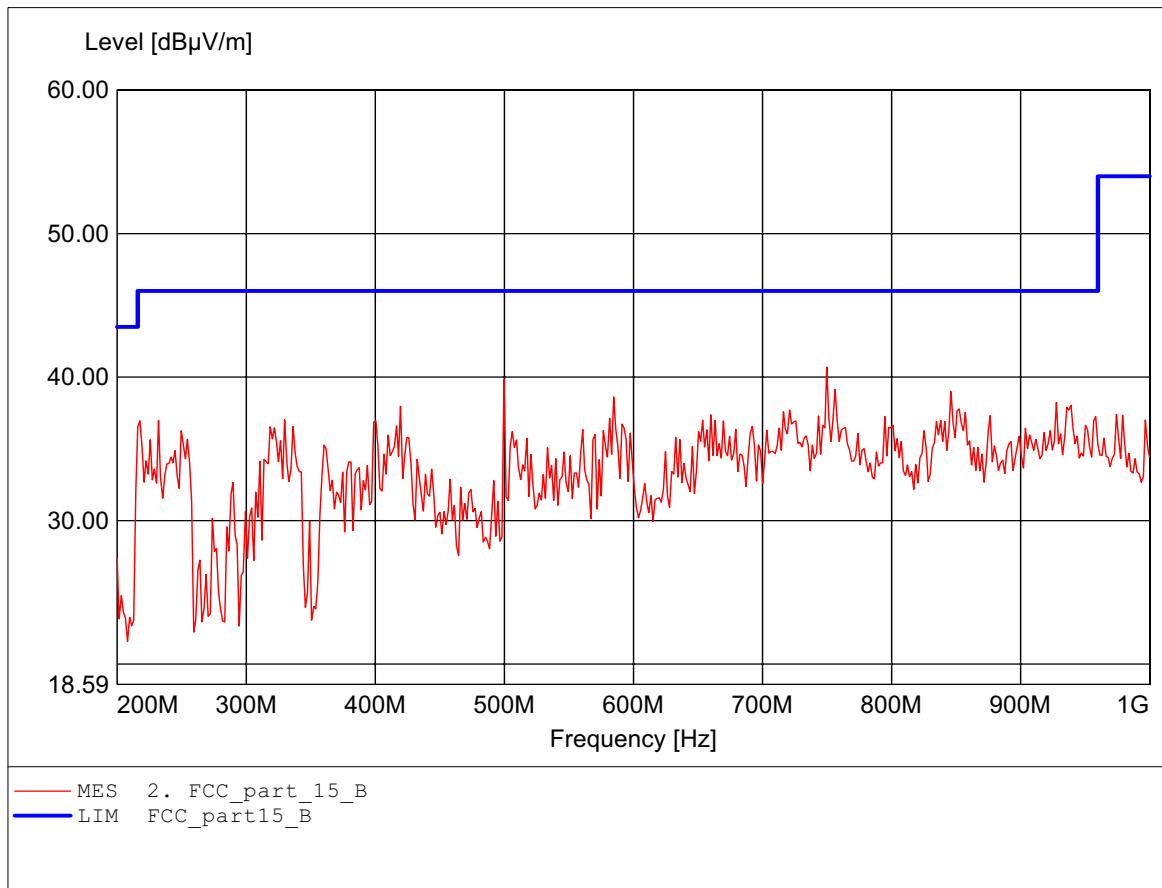
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:499.800MHz Emax:40.08dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

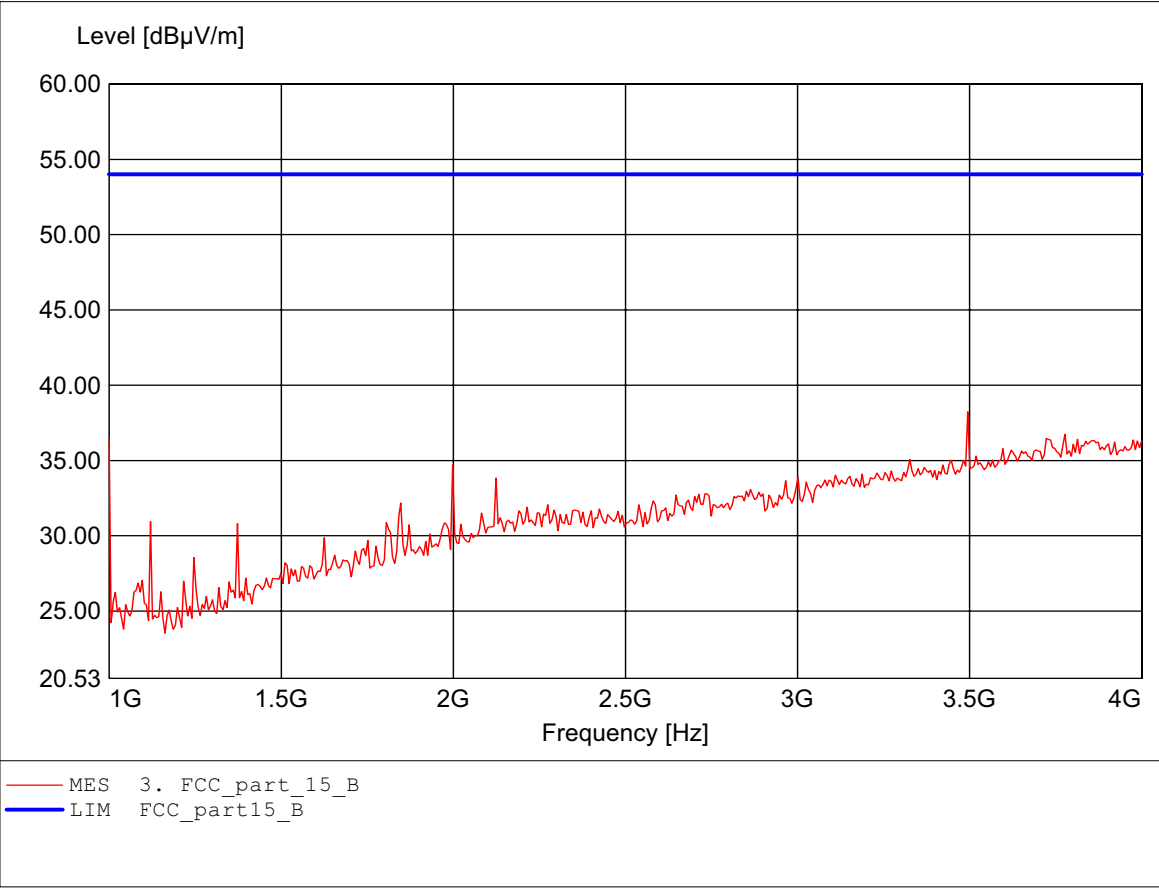
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:749.900MHz Emax:40.69dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

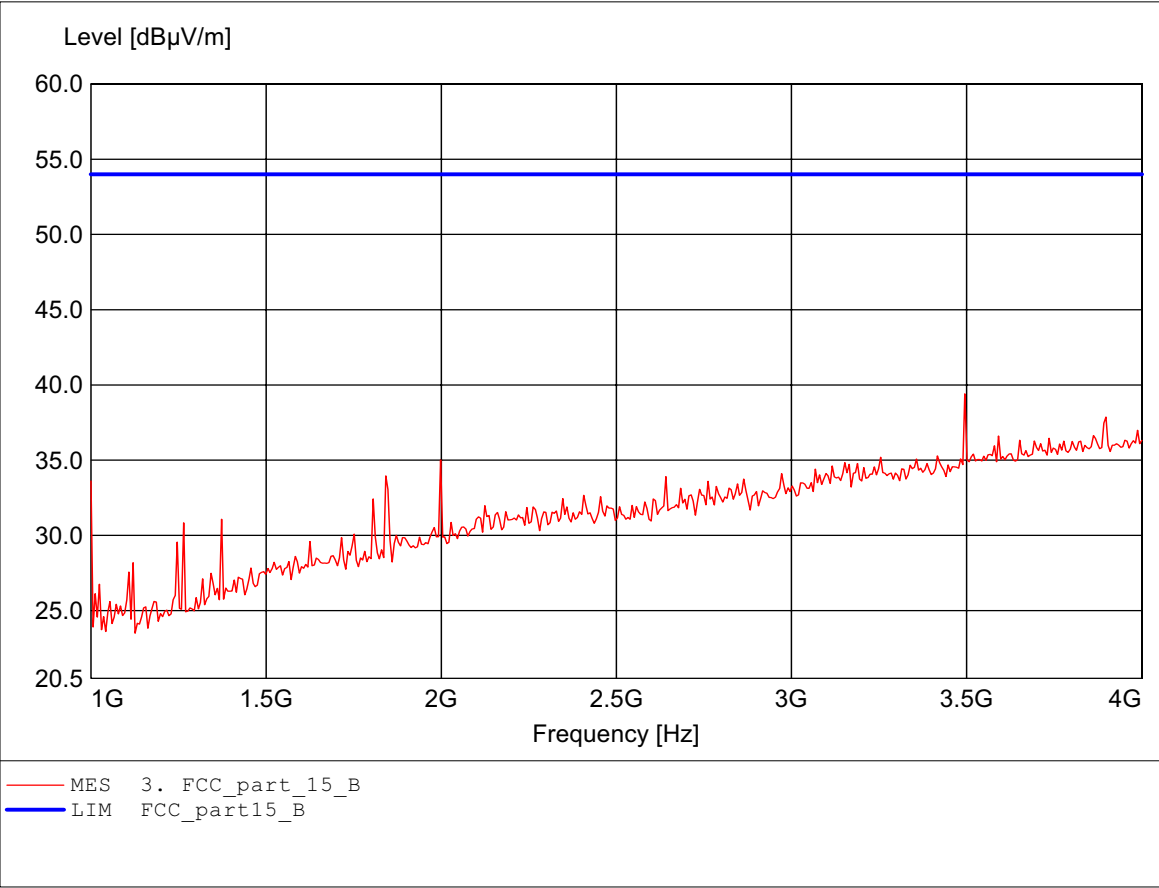
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.495GHz Emax:38.23dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

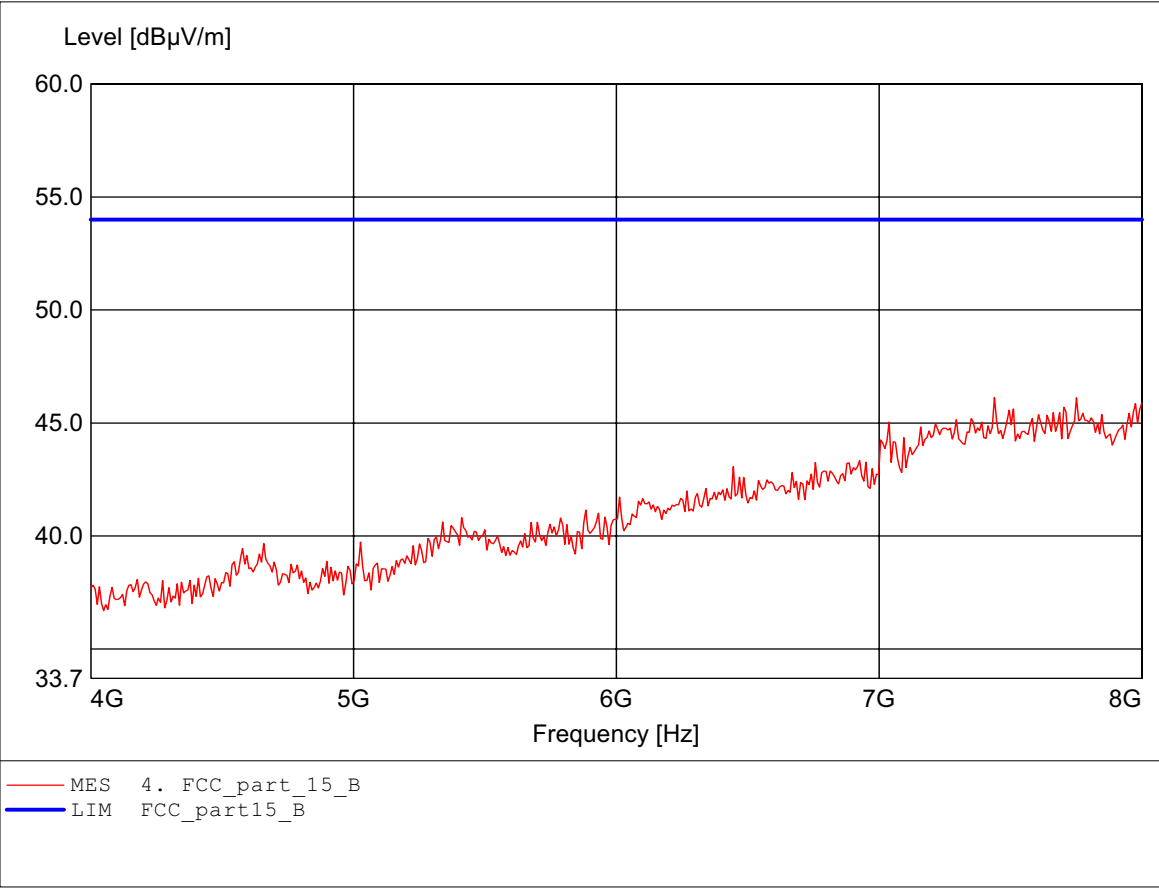
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.495GHz Emax:39.40dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

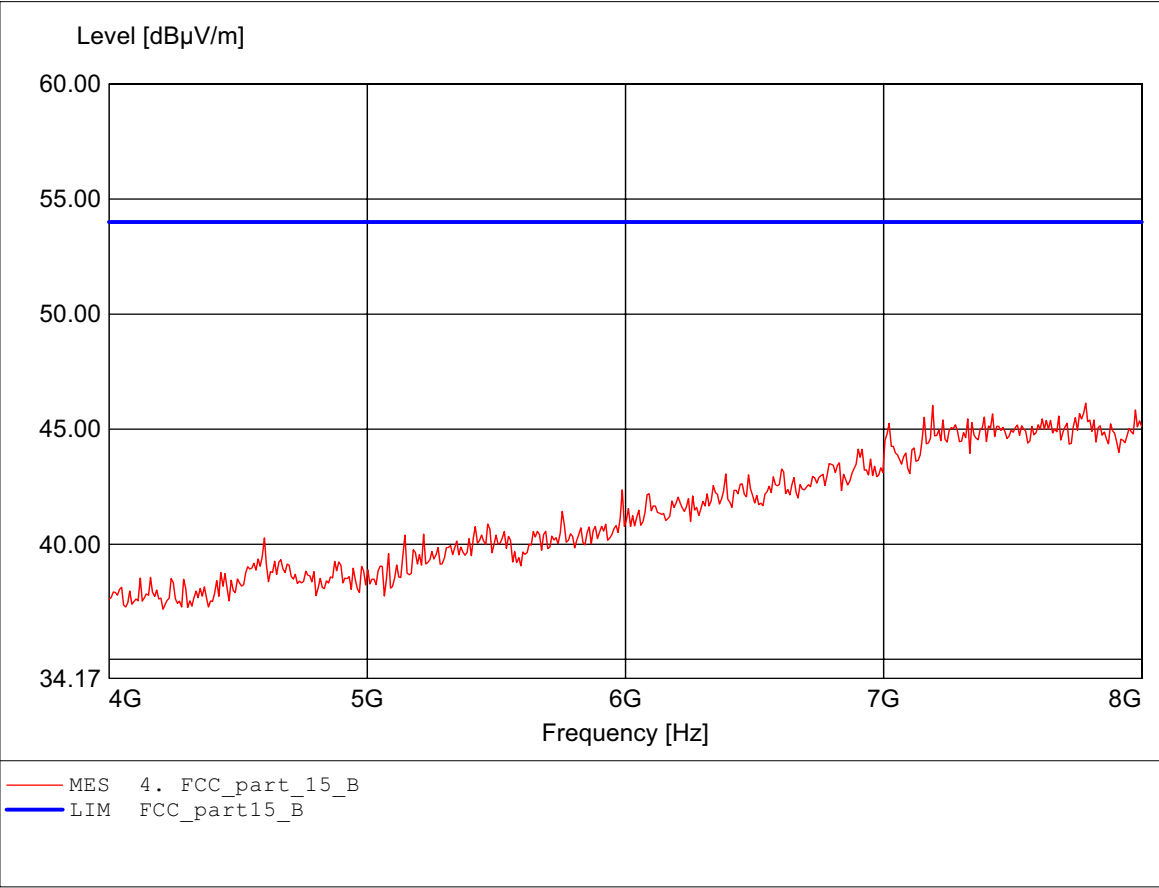
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.439GHz Emax:46.12dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

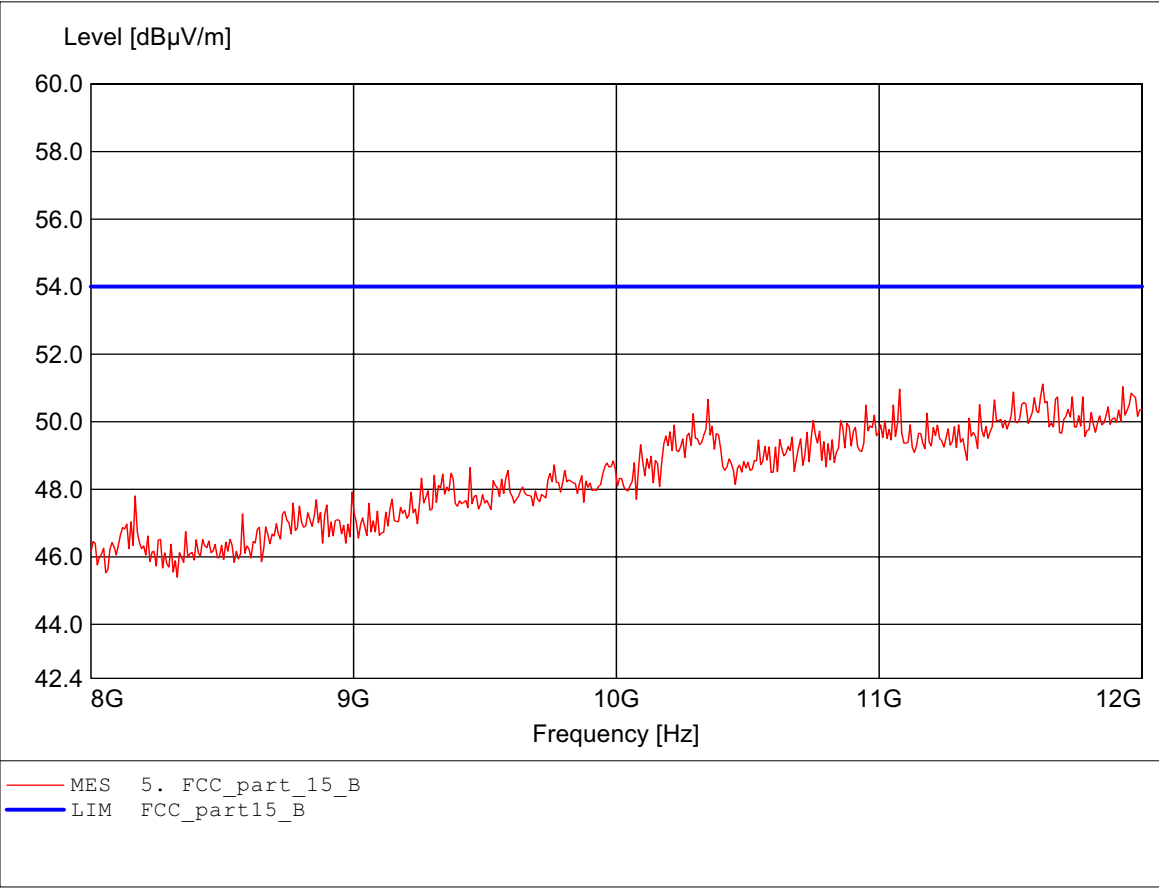
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.784GHz Emax:46.13dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

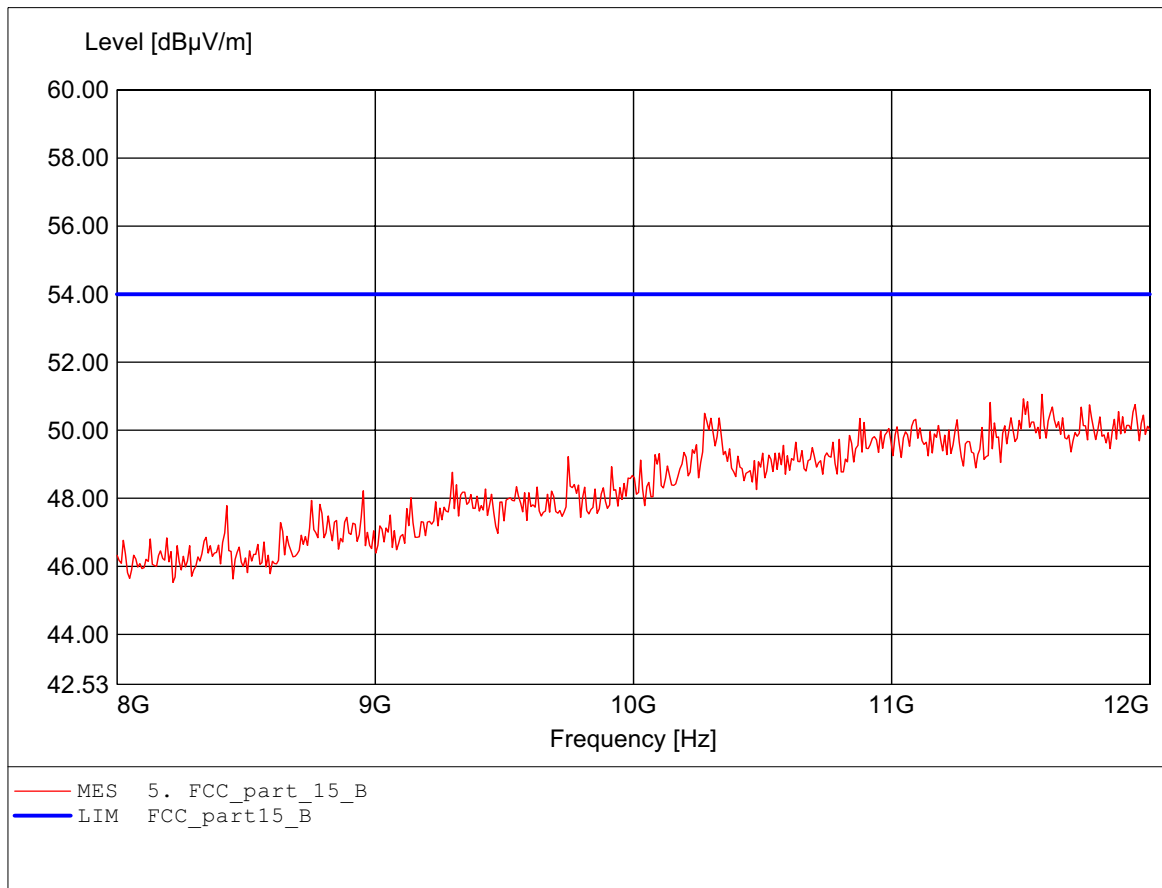
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.623GHz Emax:51.11dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

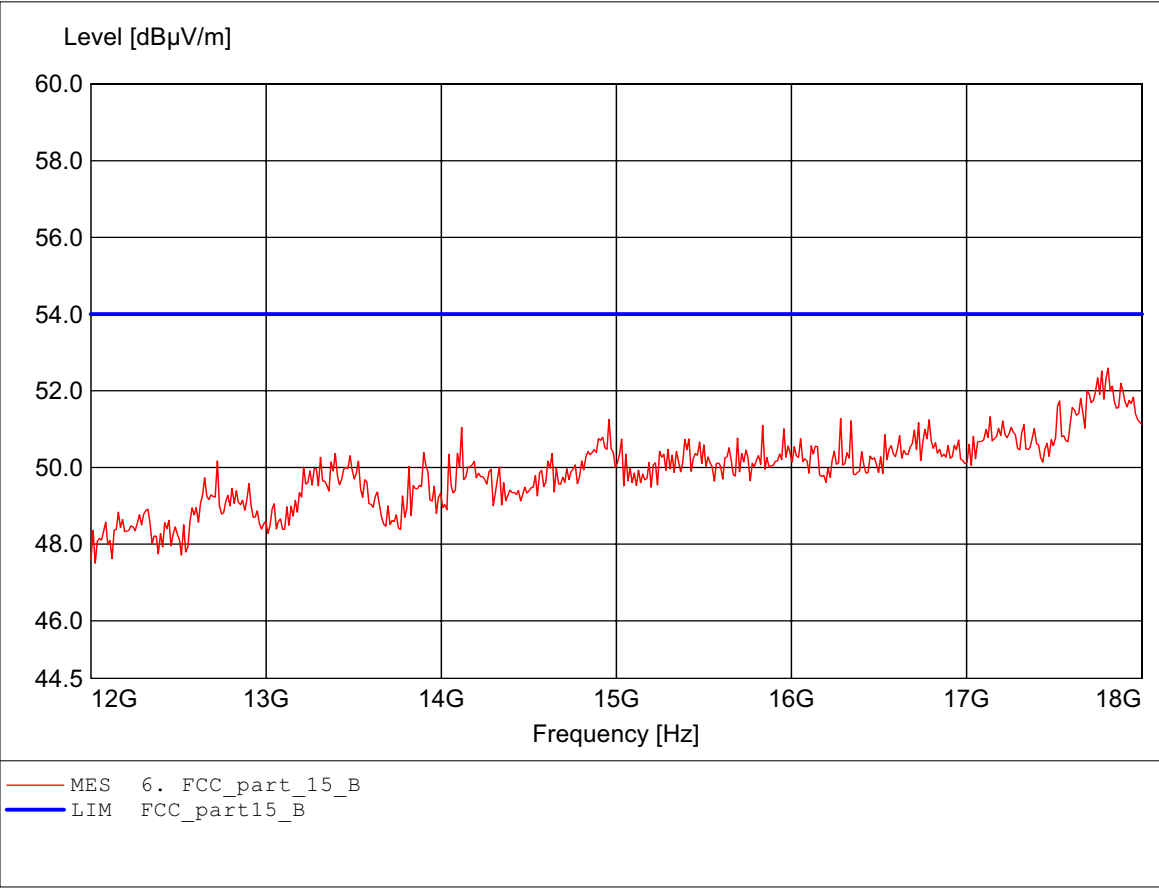
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.583GHz Emax:51.06dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

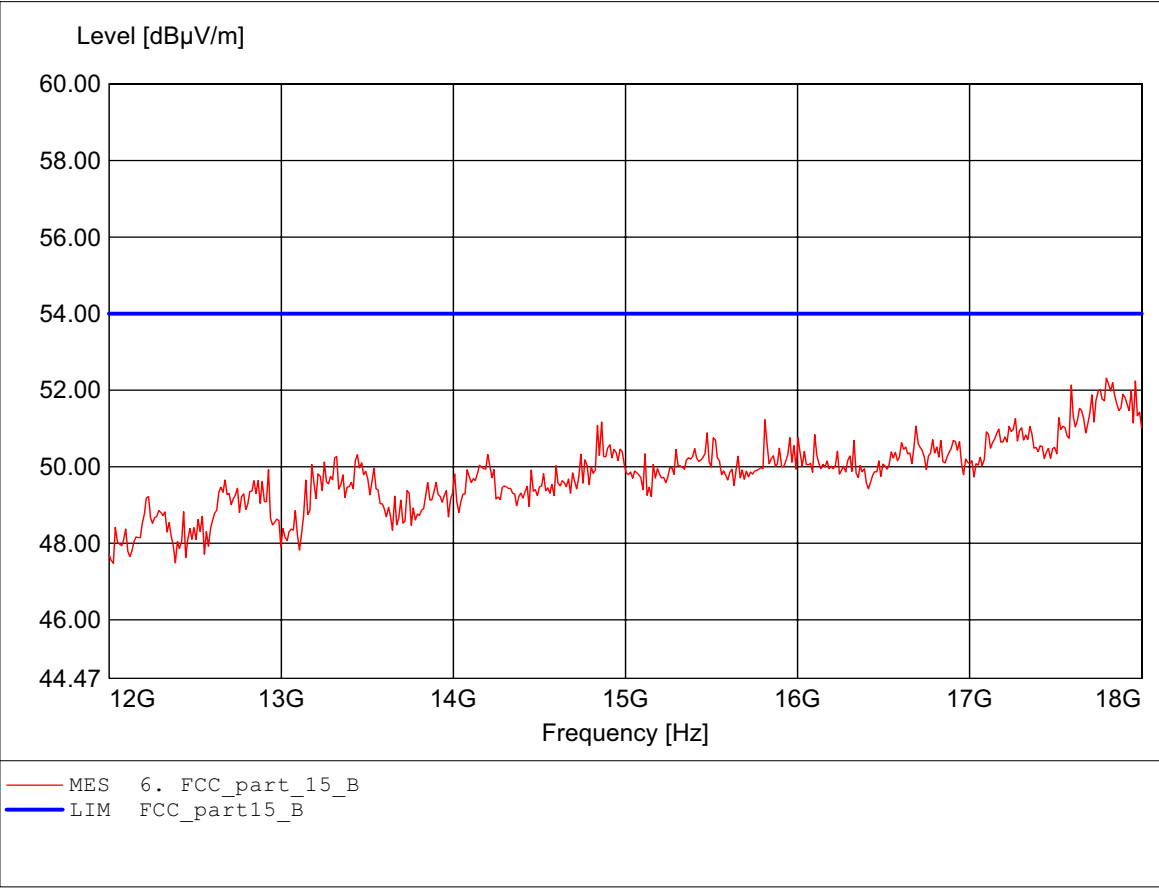
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.808GHz Emax:52.59dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

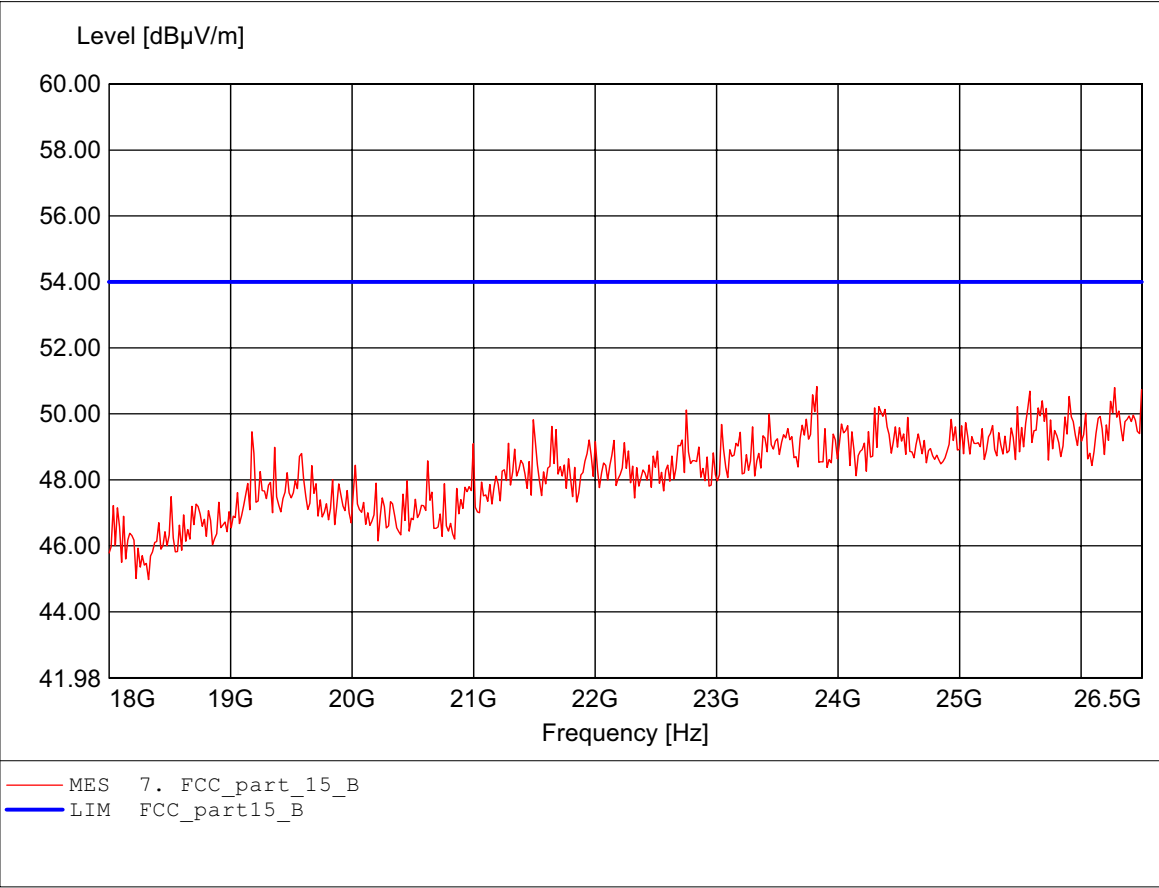
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.796GHz Emax:52.31dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

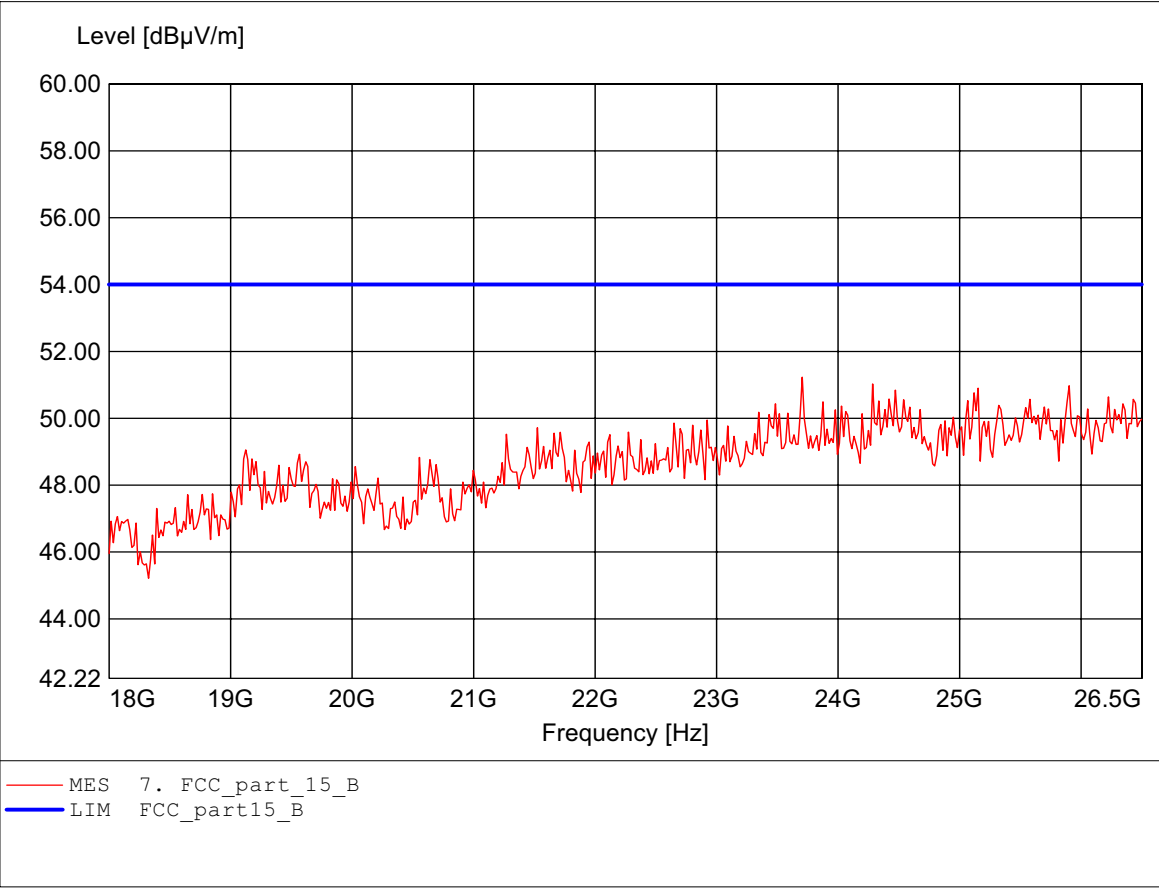
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:23.826GHz Emax:50.83dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

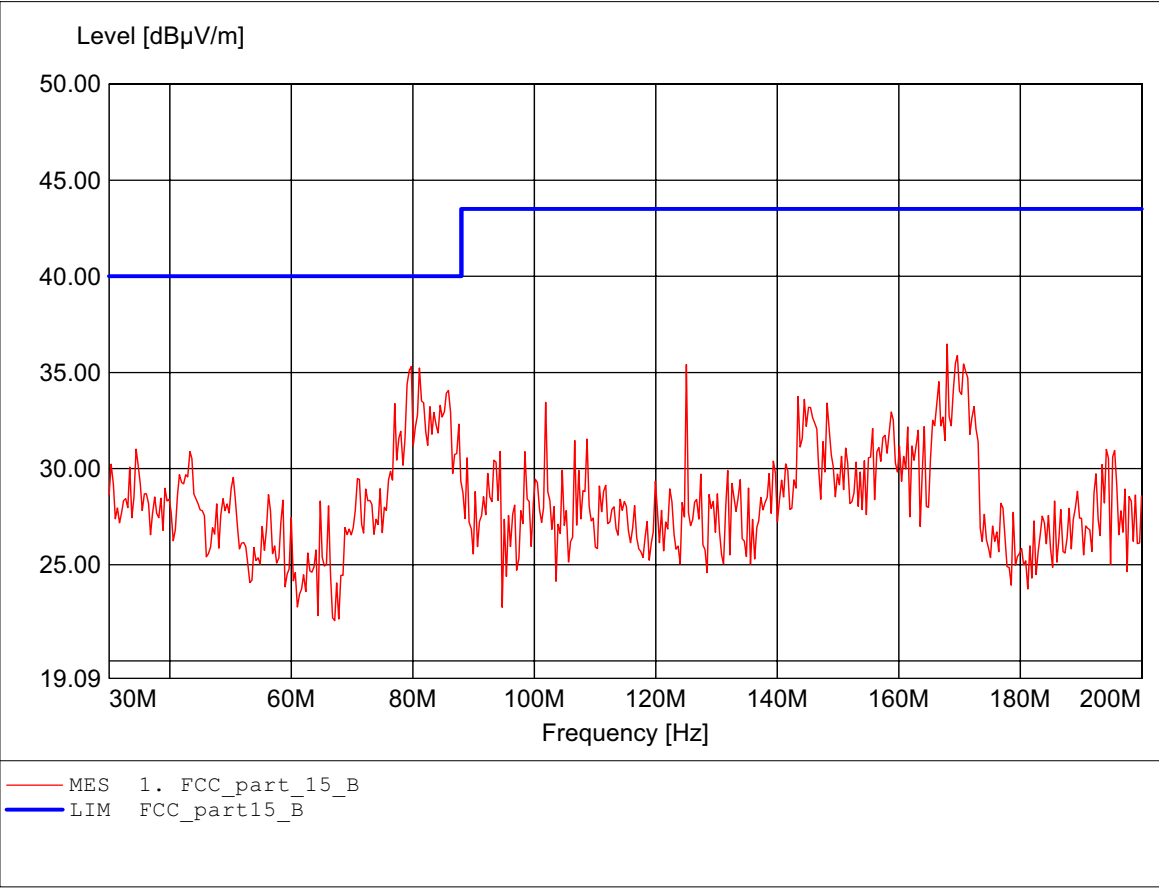
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.149
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:23.706GHz Emax:51.23dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

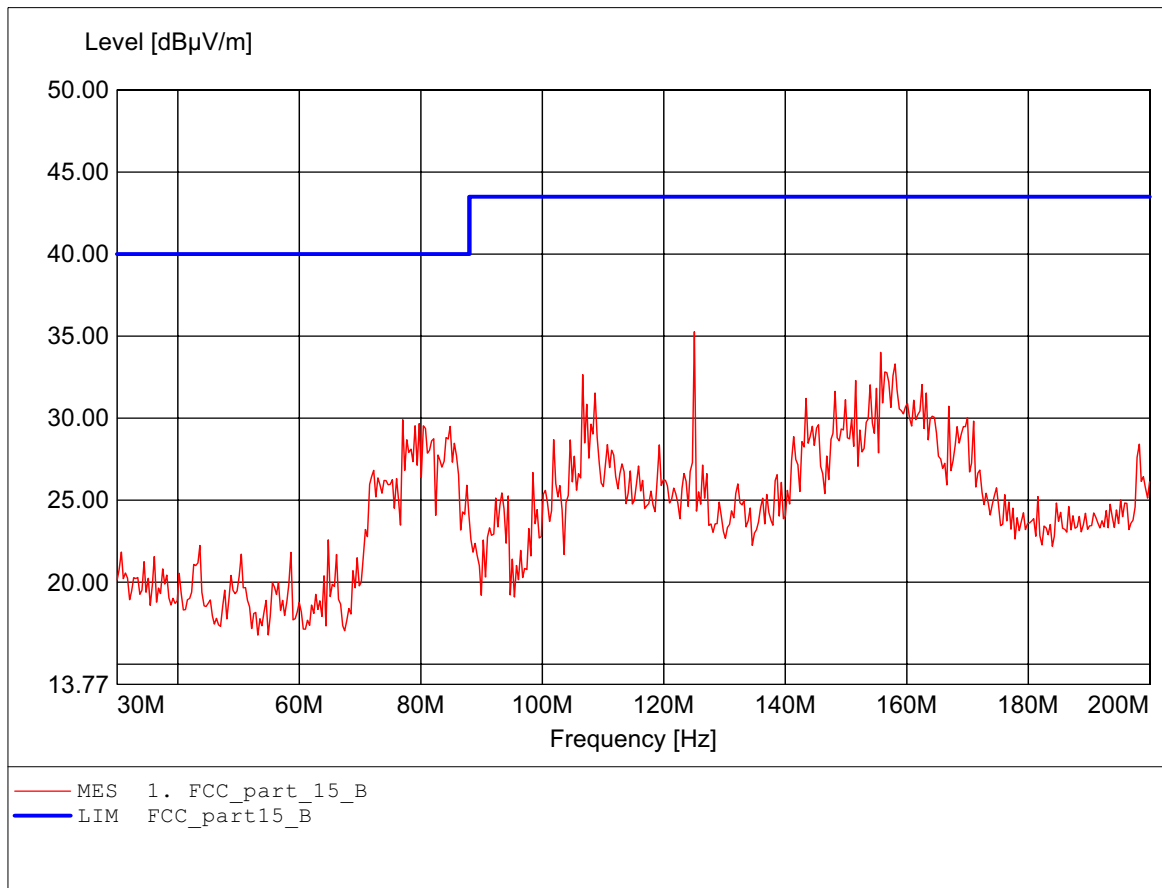
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:167.976MHz Emax:36.48dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

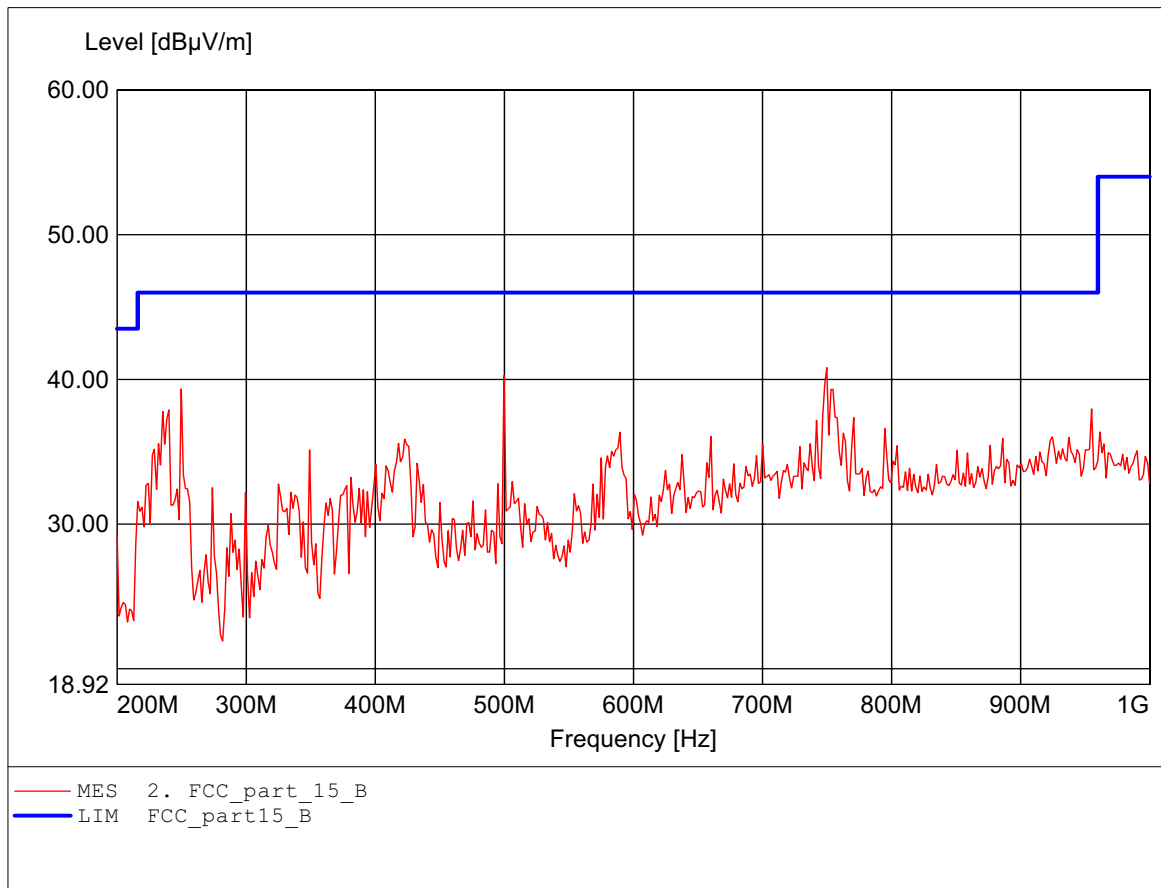
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:125.050MHz Emax:35.26dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

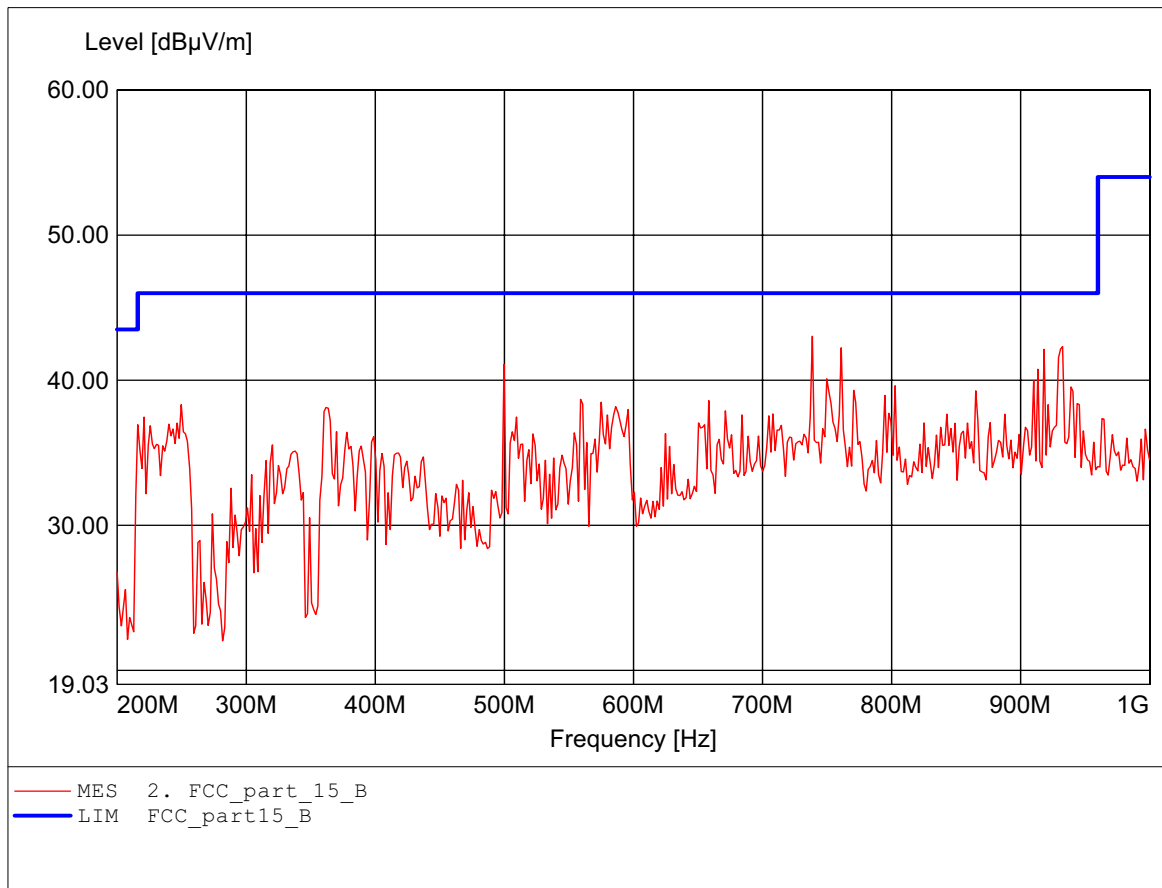
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:749.900MHz Emax:40.81dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

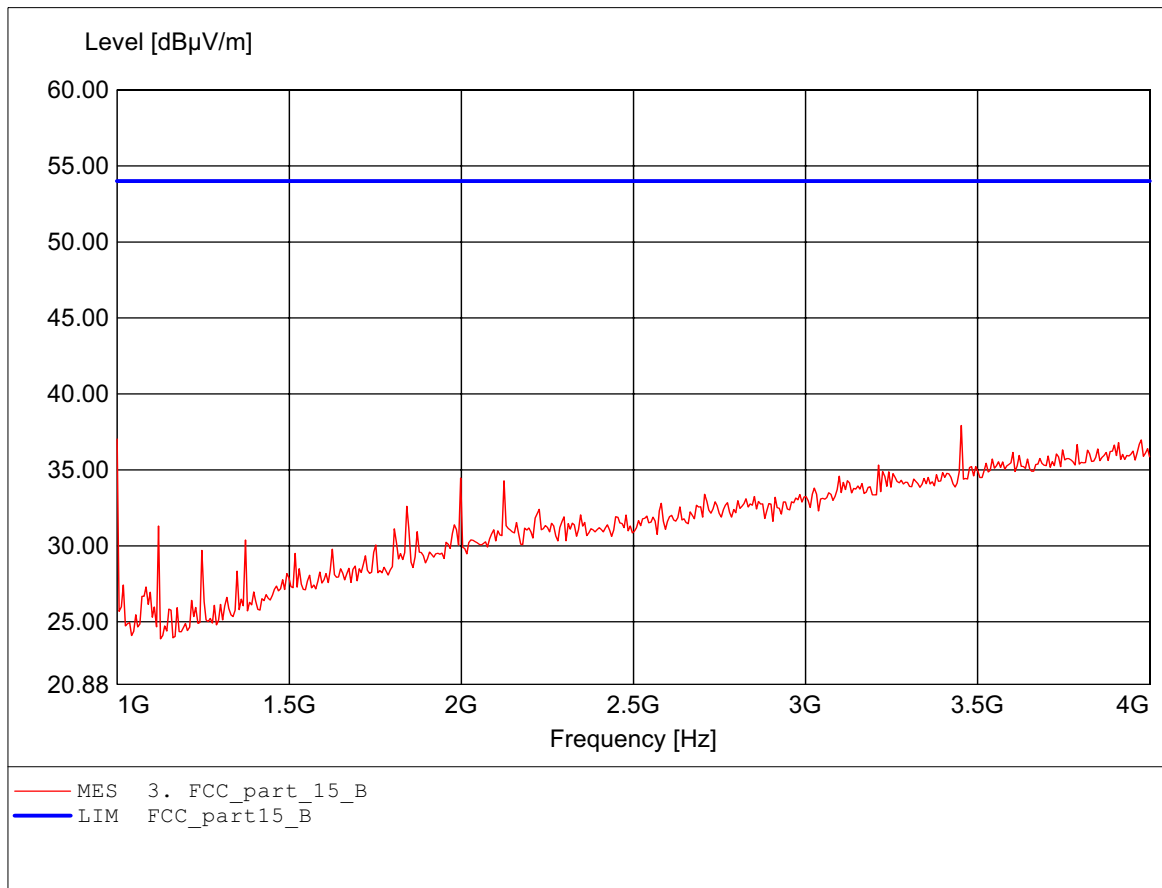
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq: 738.677MHz Emax: 43.03dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

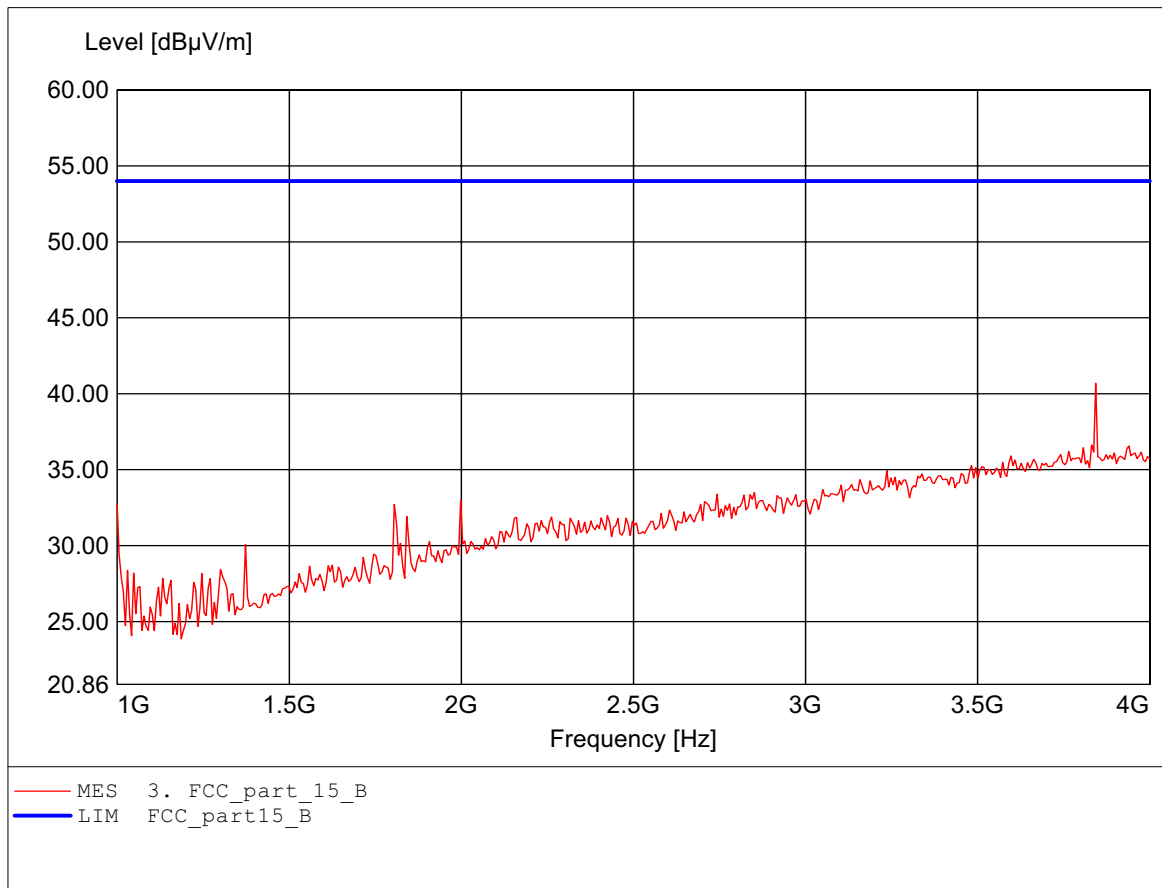
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.453GHz Emax:37.92dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

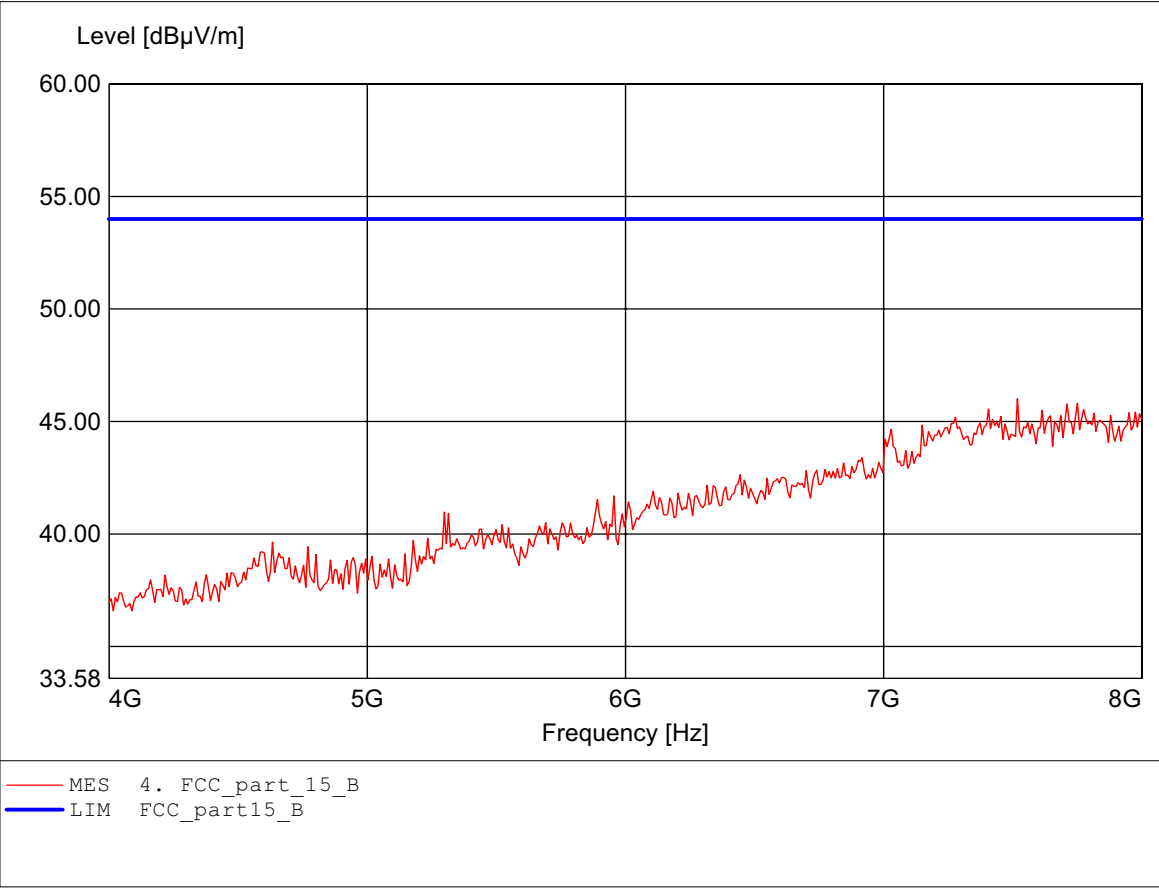
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.844GHz Emax:40.68dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

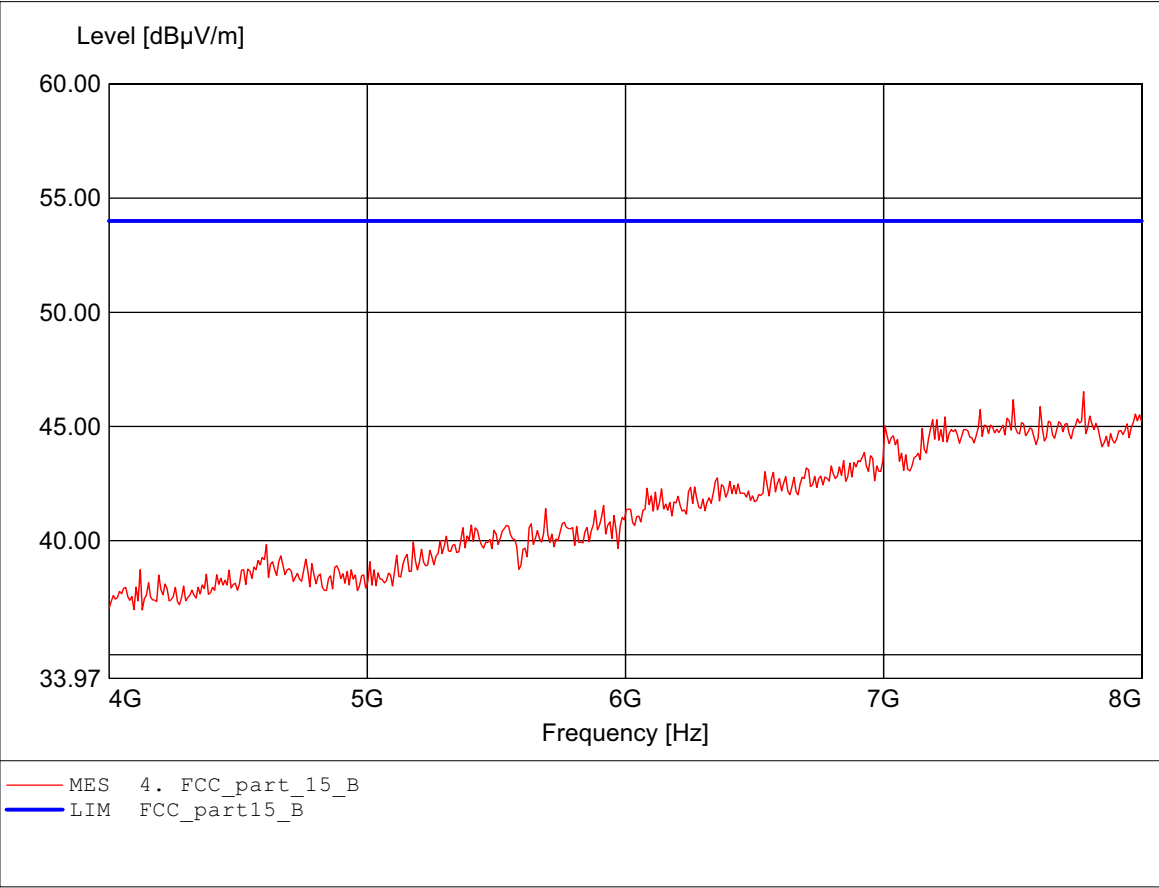
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.519GHz Emax:46.01dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

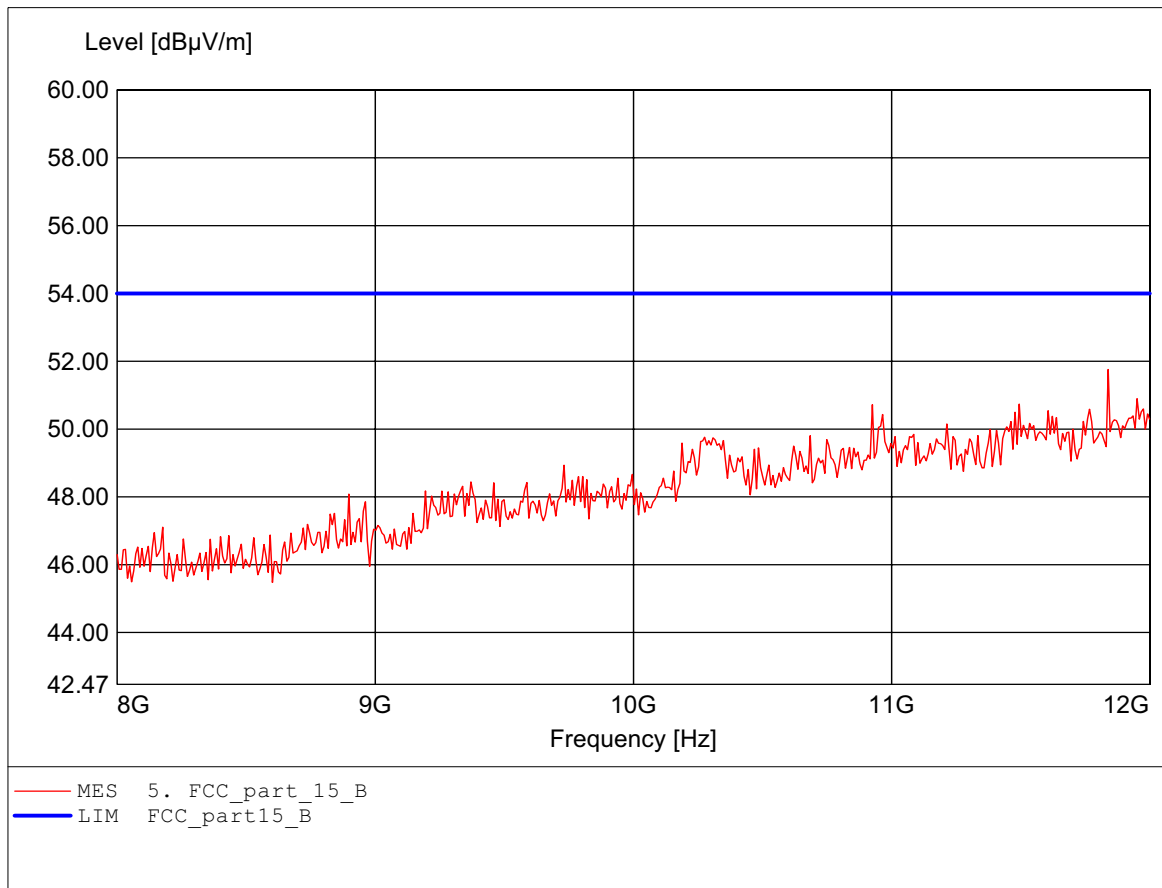
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.776GHz Emax:46.53dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

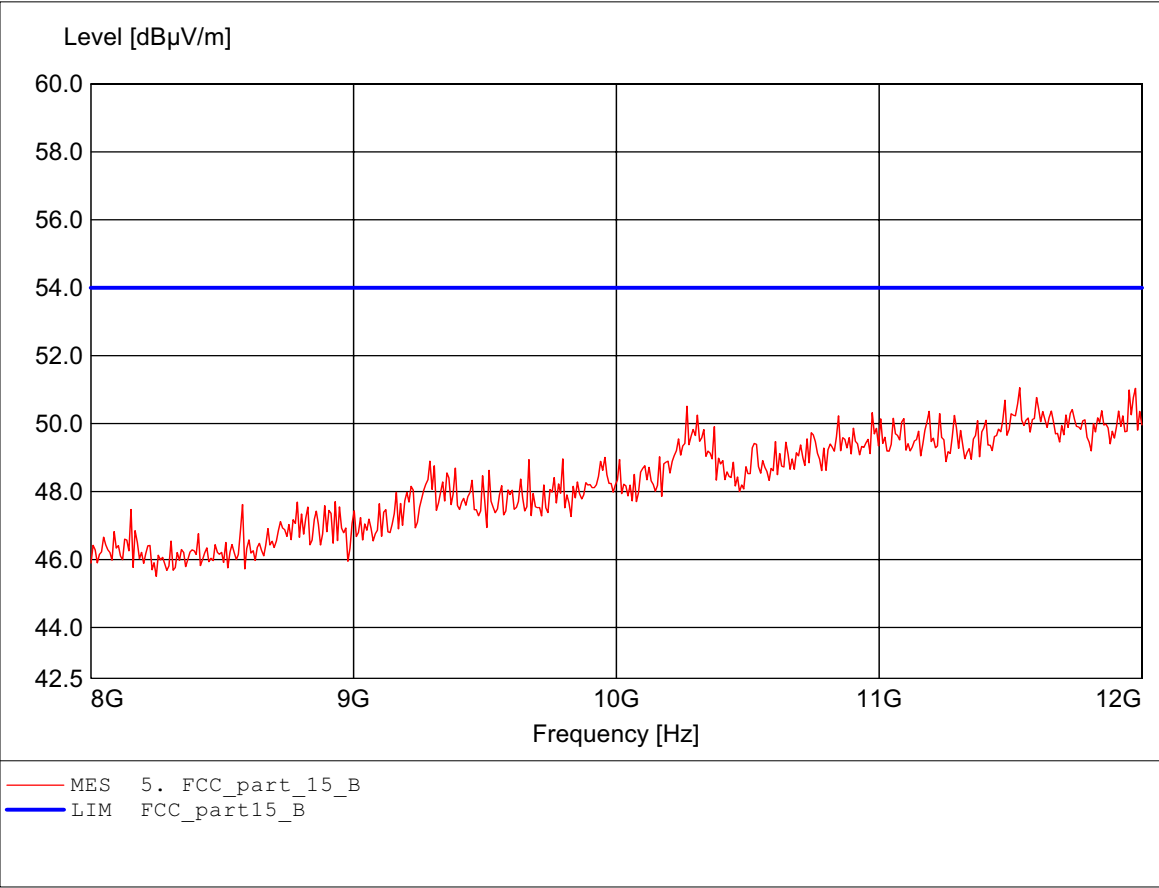
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.840GHz Emax:51.76dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

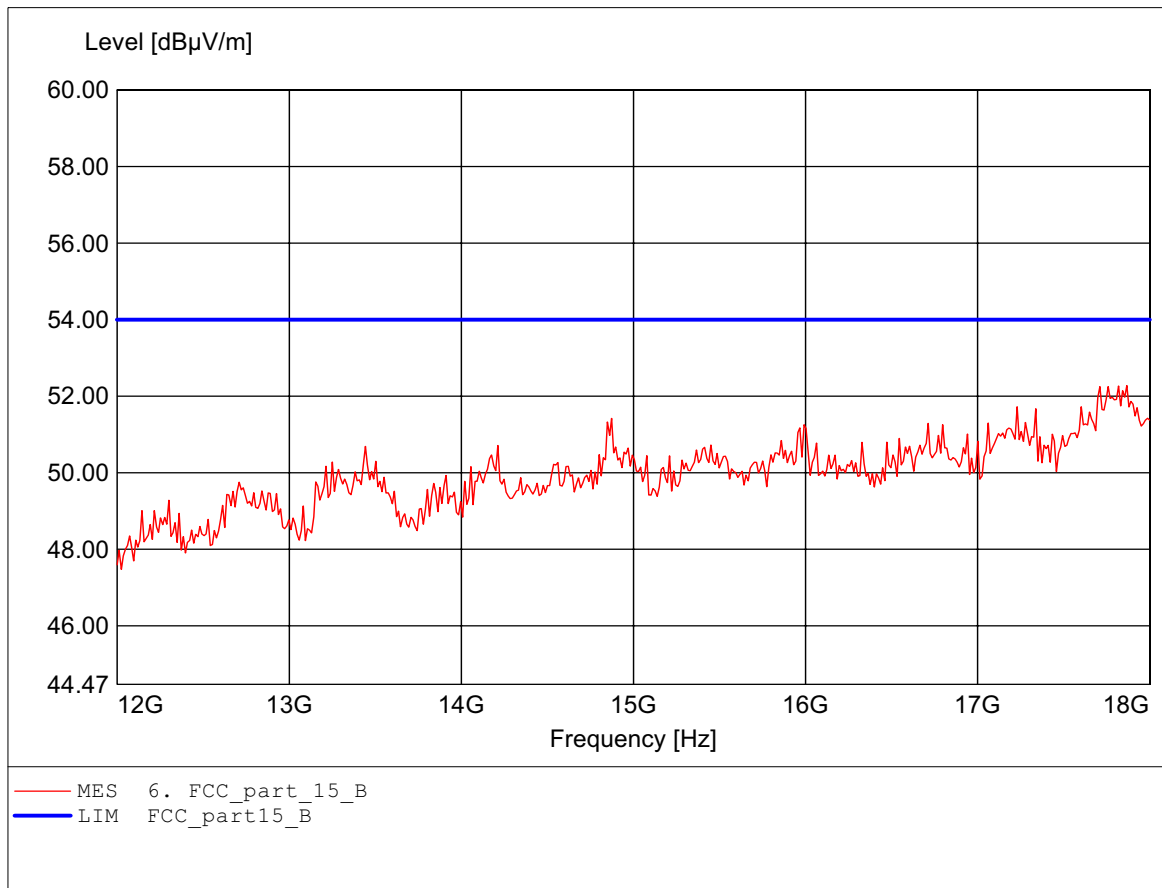
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.535GHz Emax:51.06dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

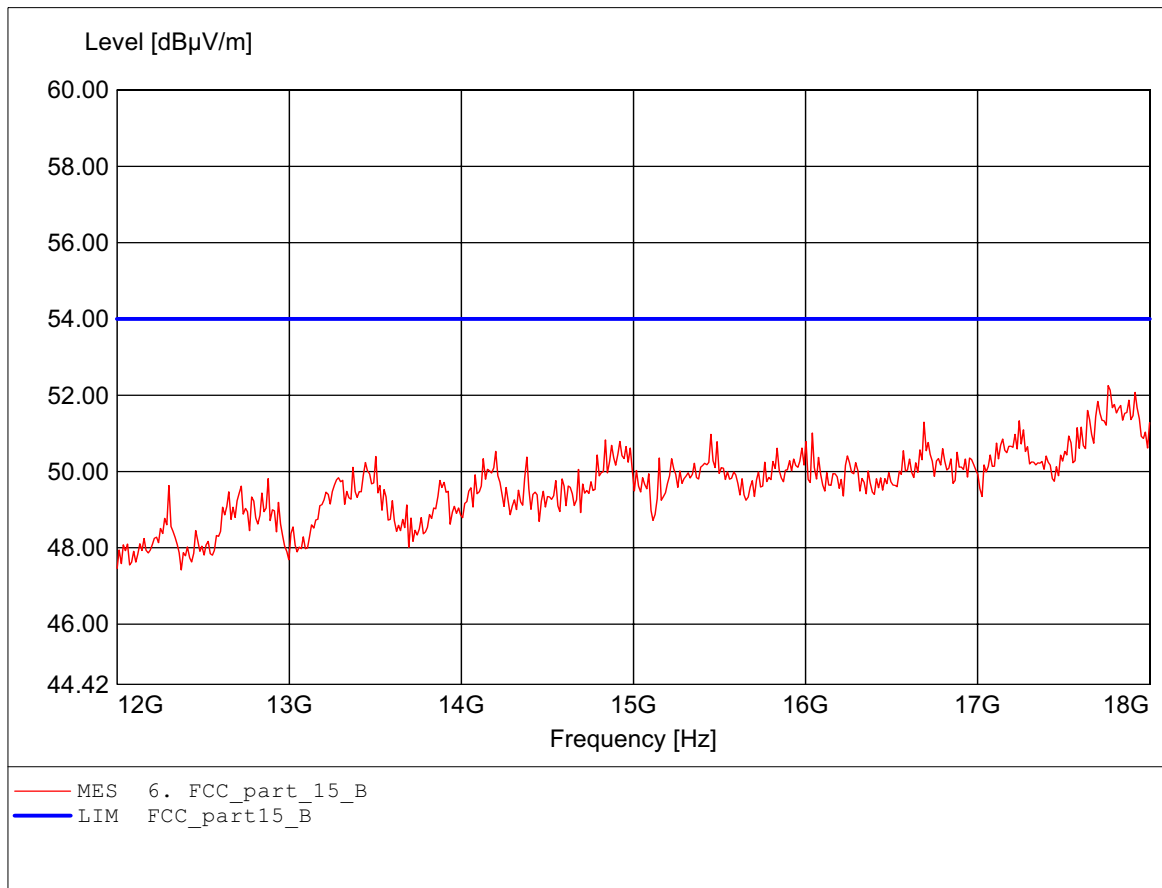
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.868GHz Emax:52.28dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

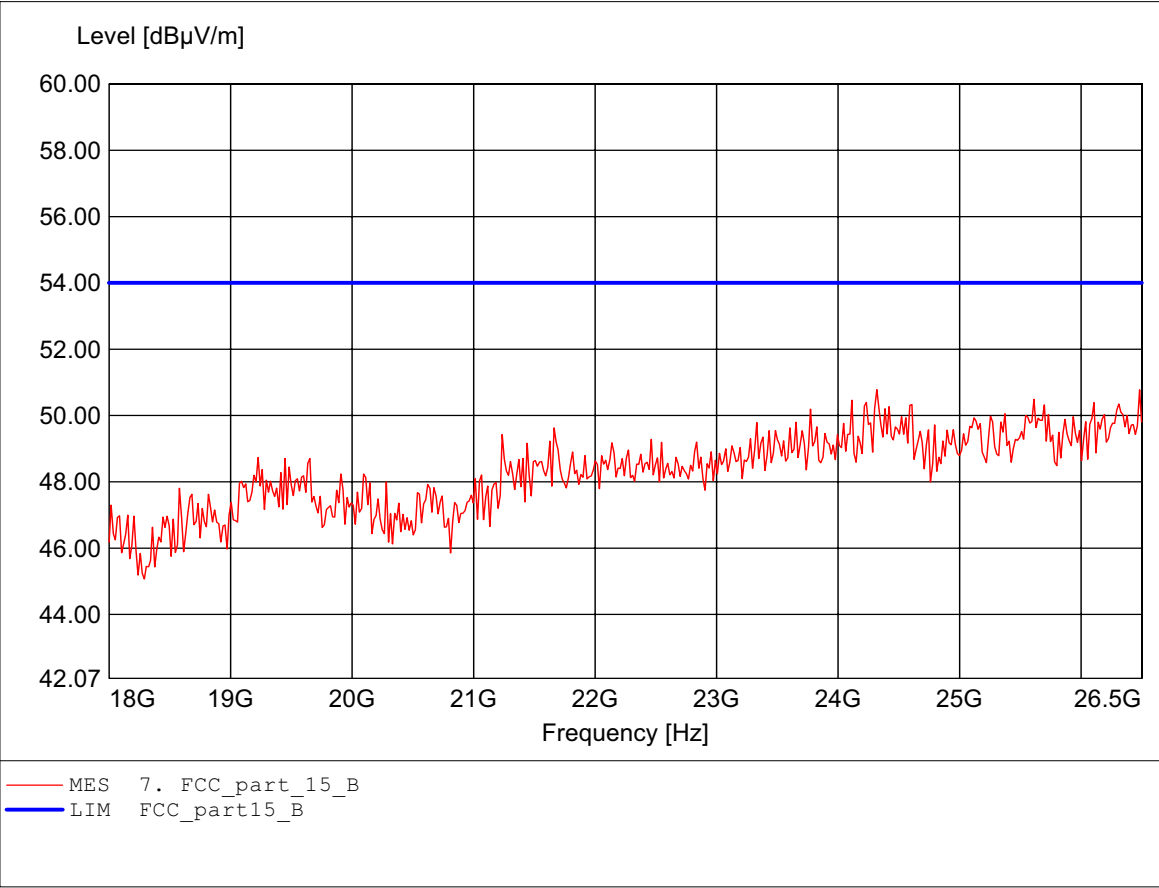
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.760GHz Emax:52.25dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

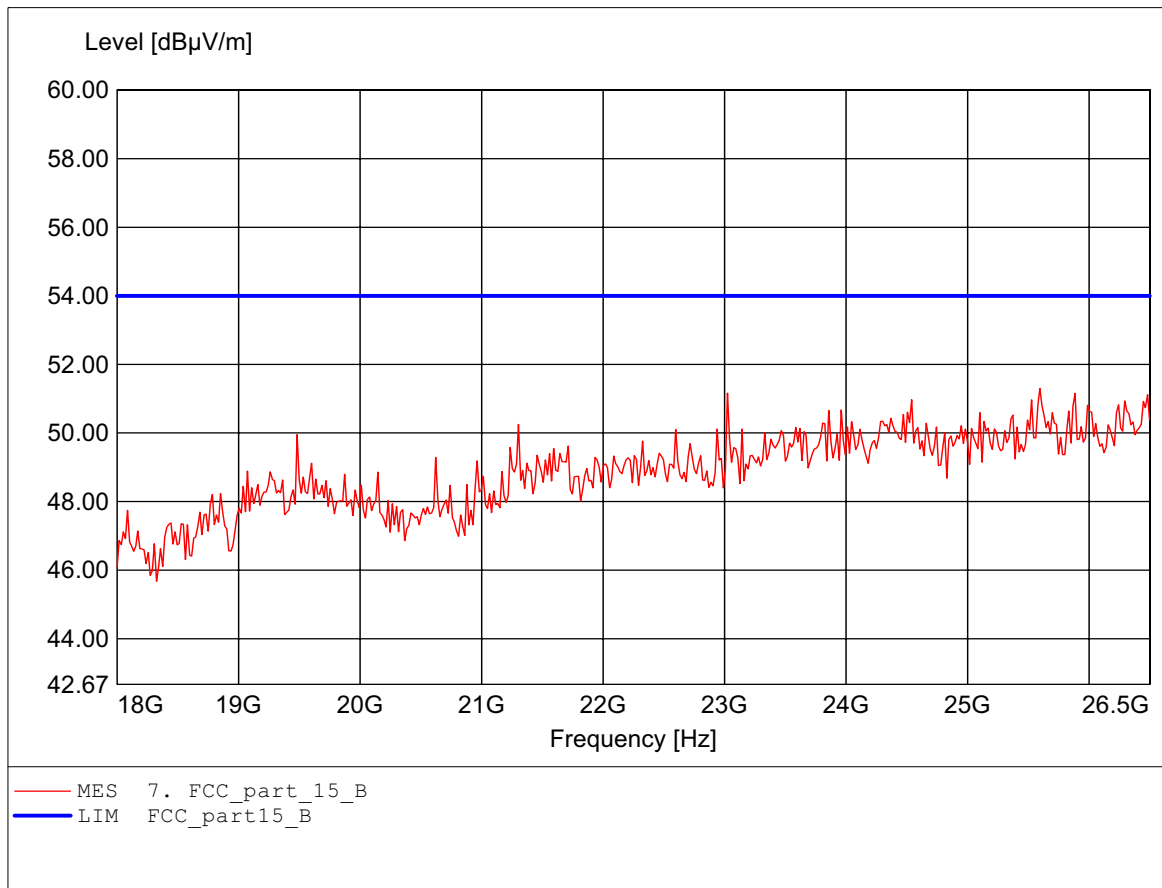
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:24.320GHz Emax:50.78dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

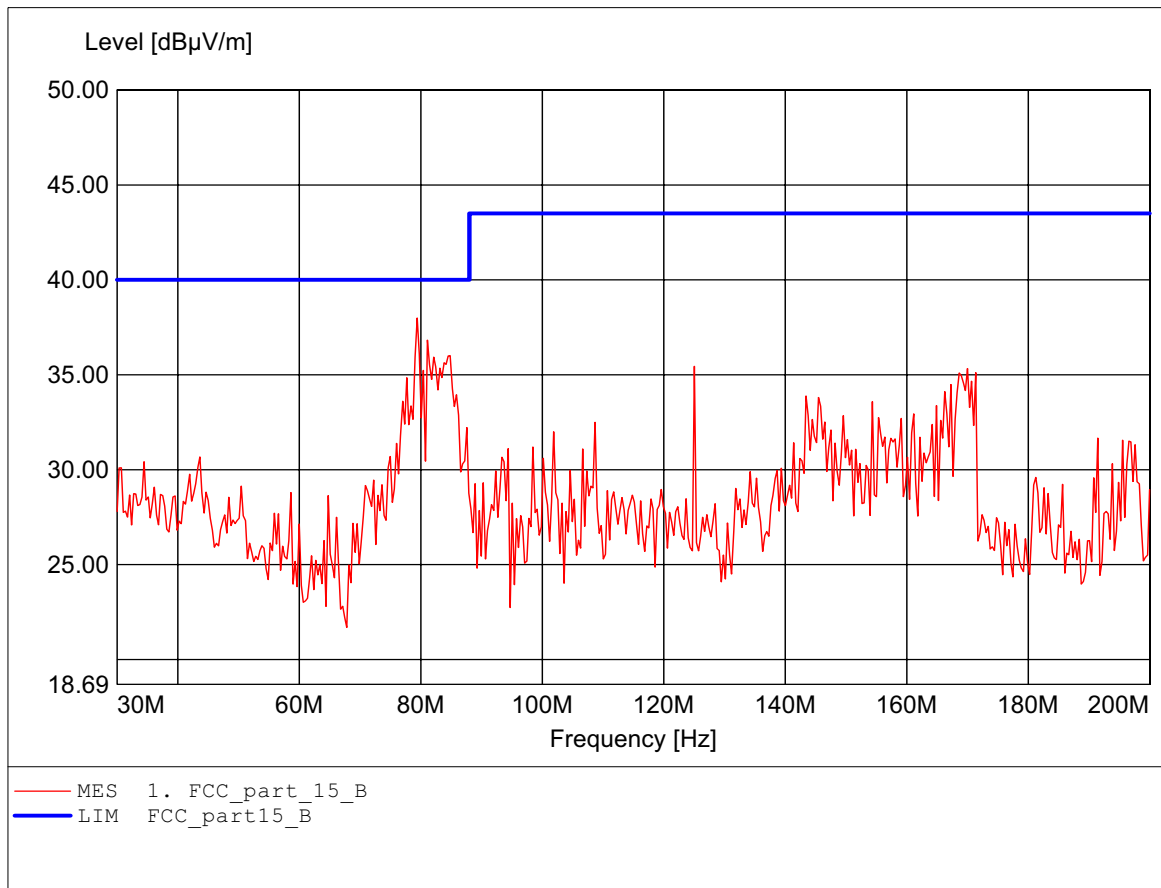
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.153
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:25.597GHz Emax:51.30dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

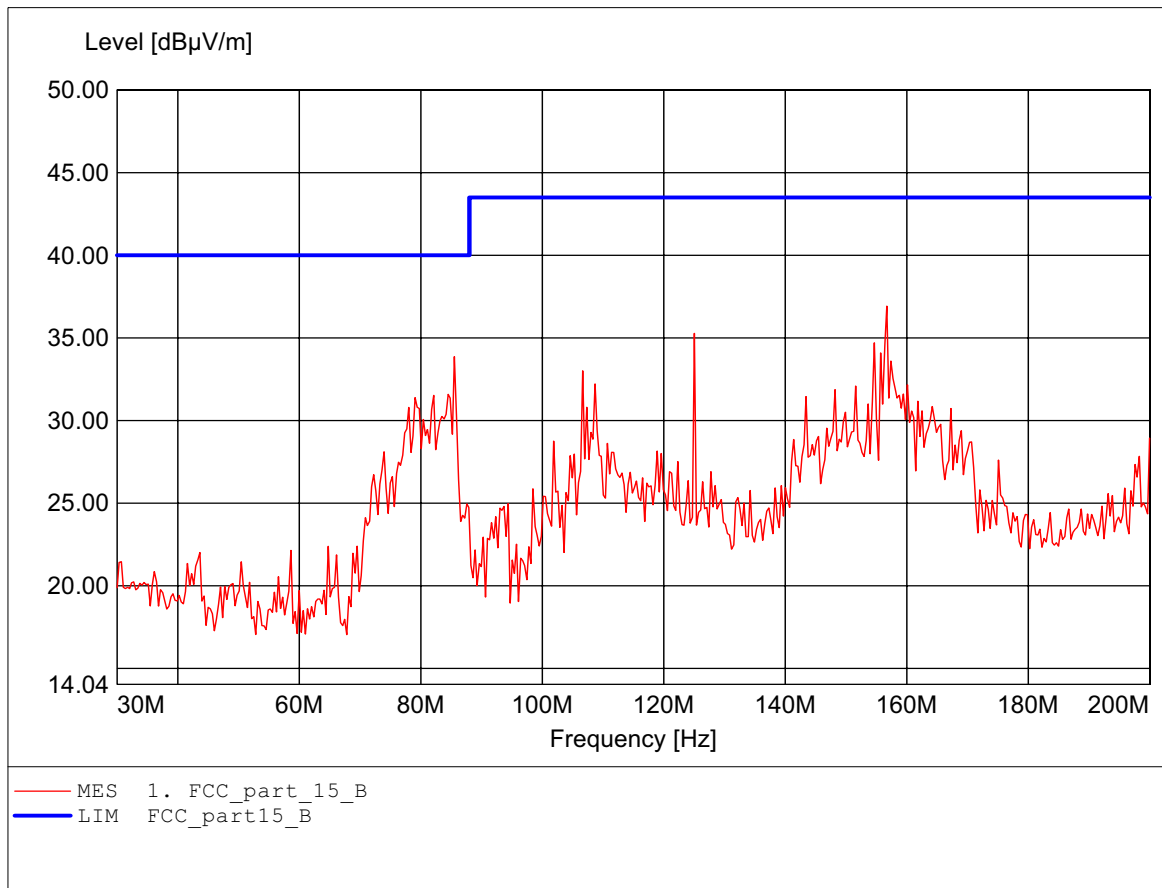
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:79.399MHz Emax:37.99dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

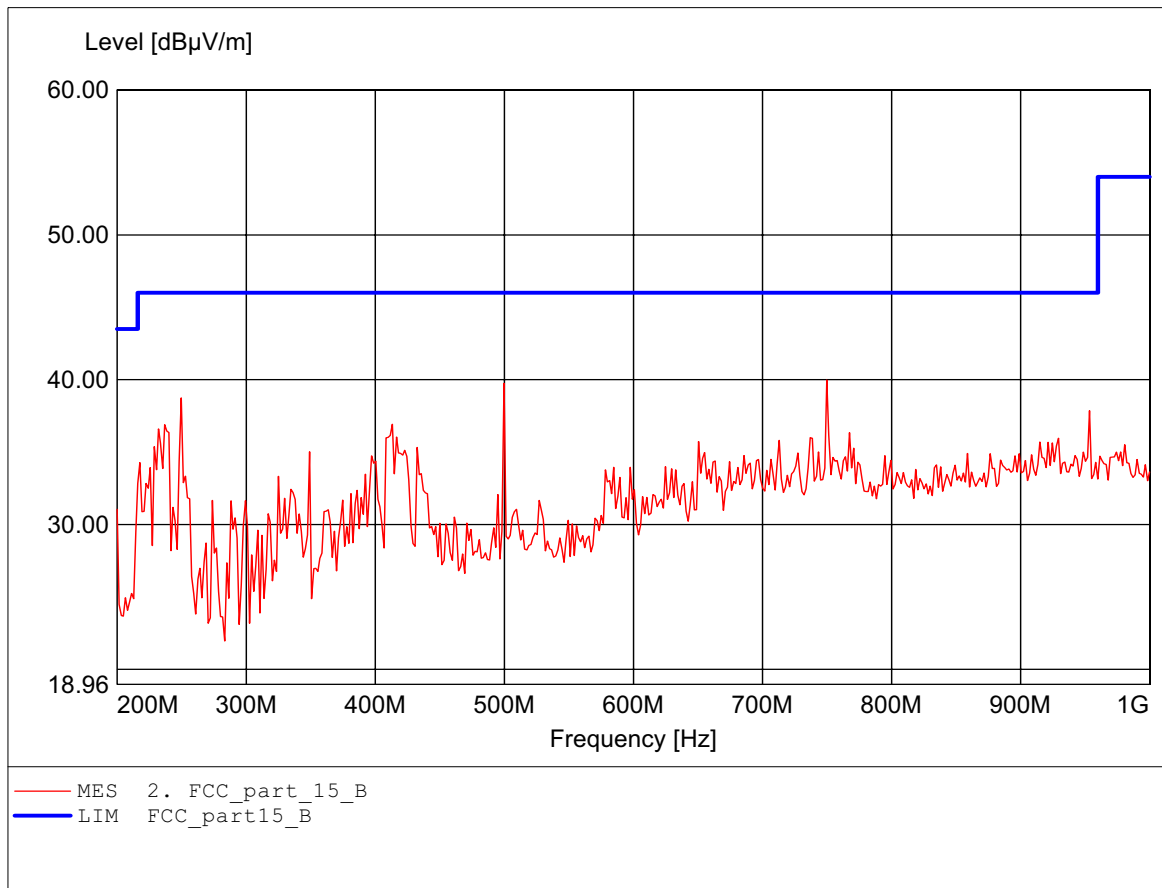
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:156.733MHz Emax:36.92dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

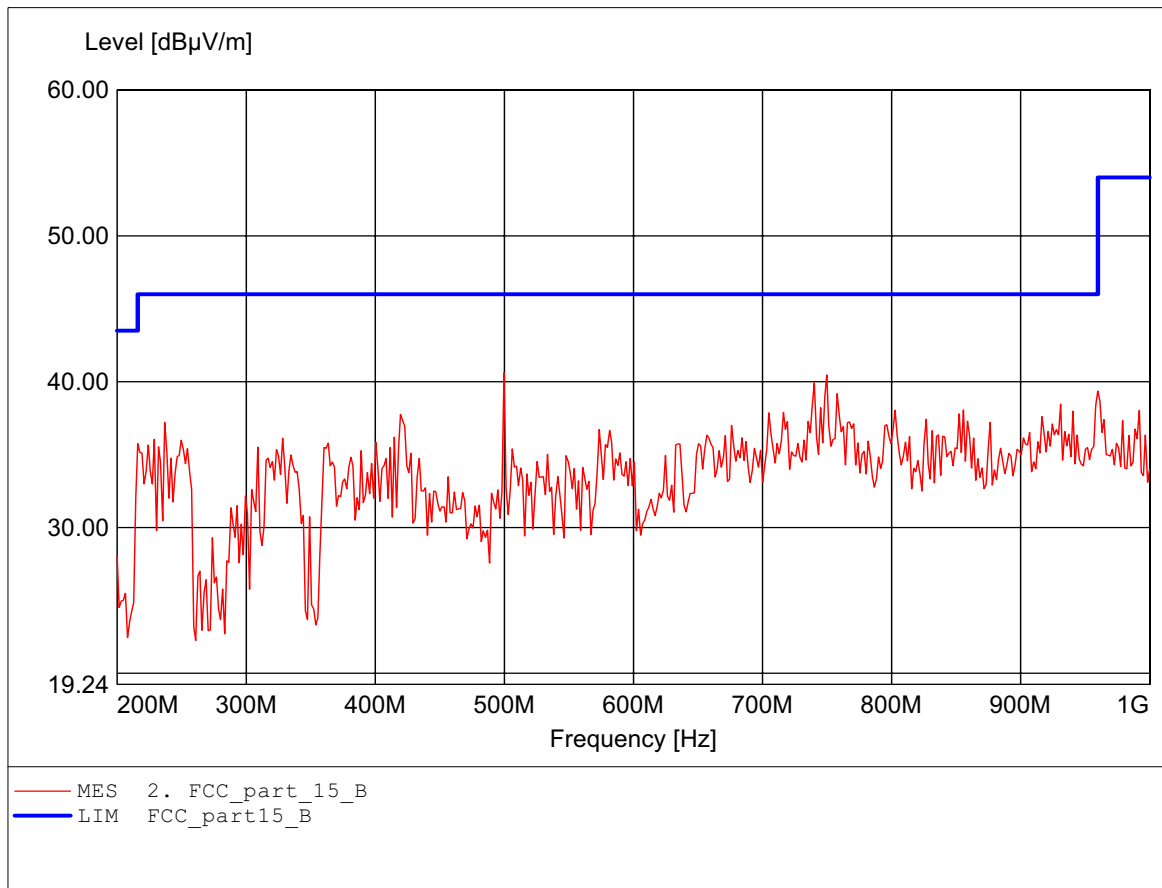
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:749.900MHz Emax:39.98dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

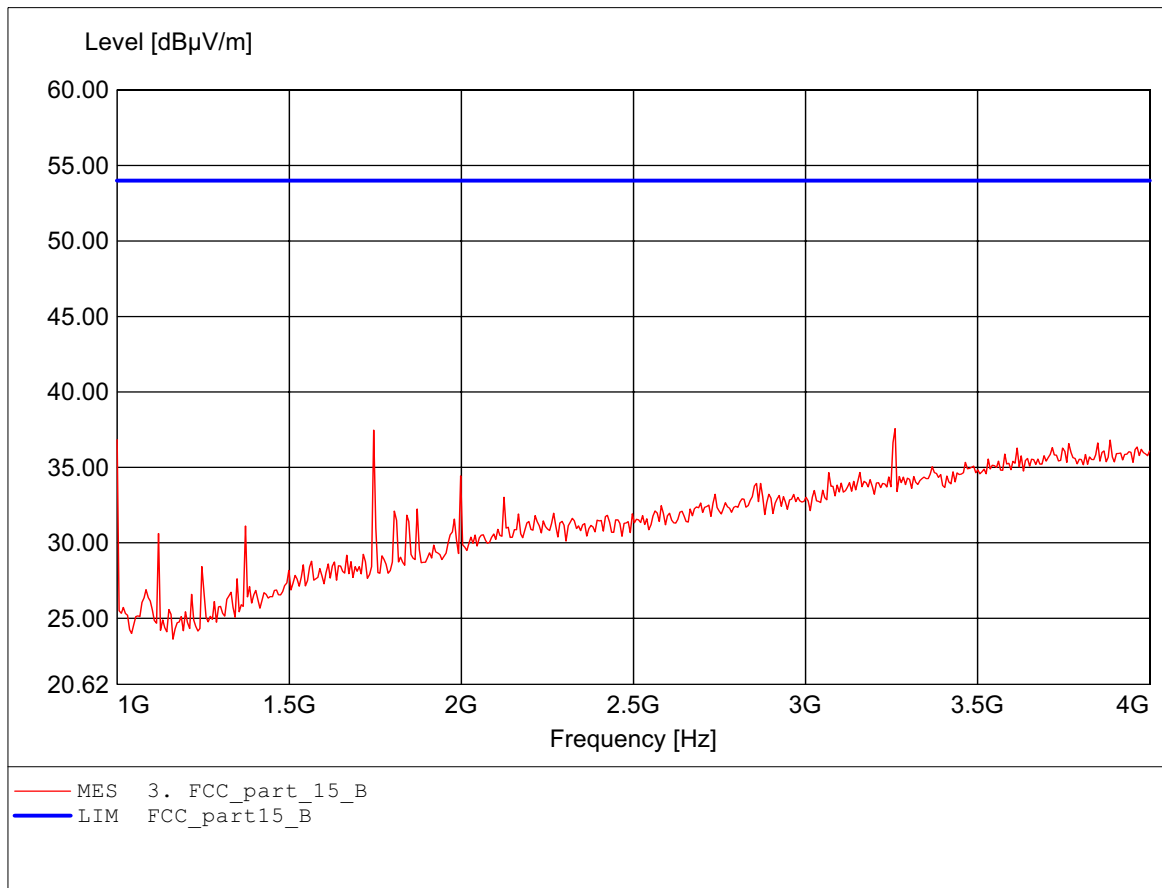
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:499.800MHz Emax:40.61dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

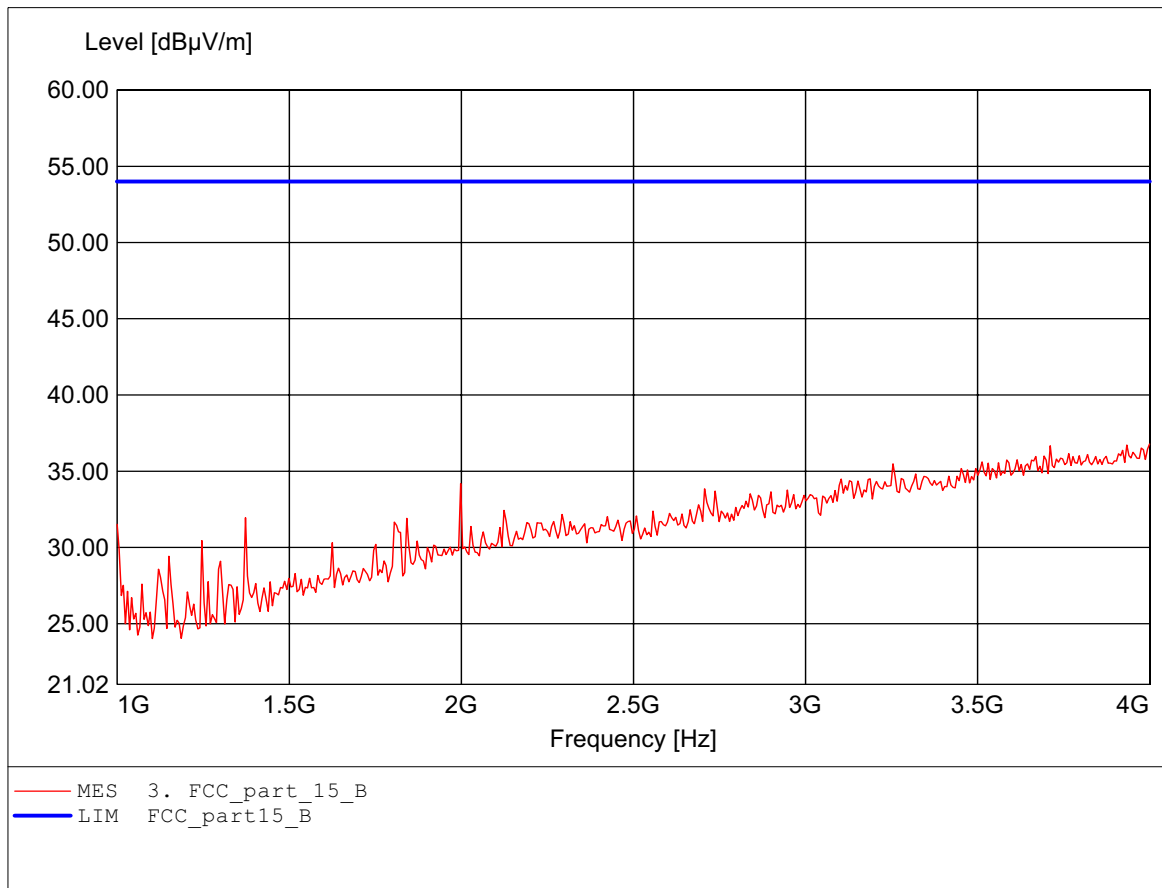
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:3.261GHz Emax:37.56dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

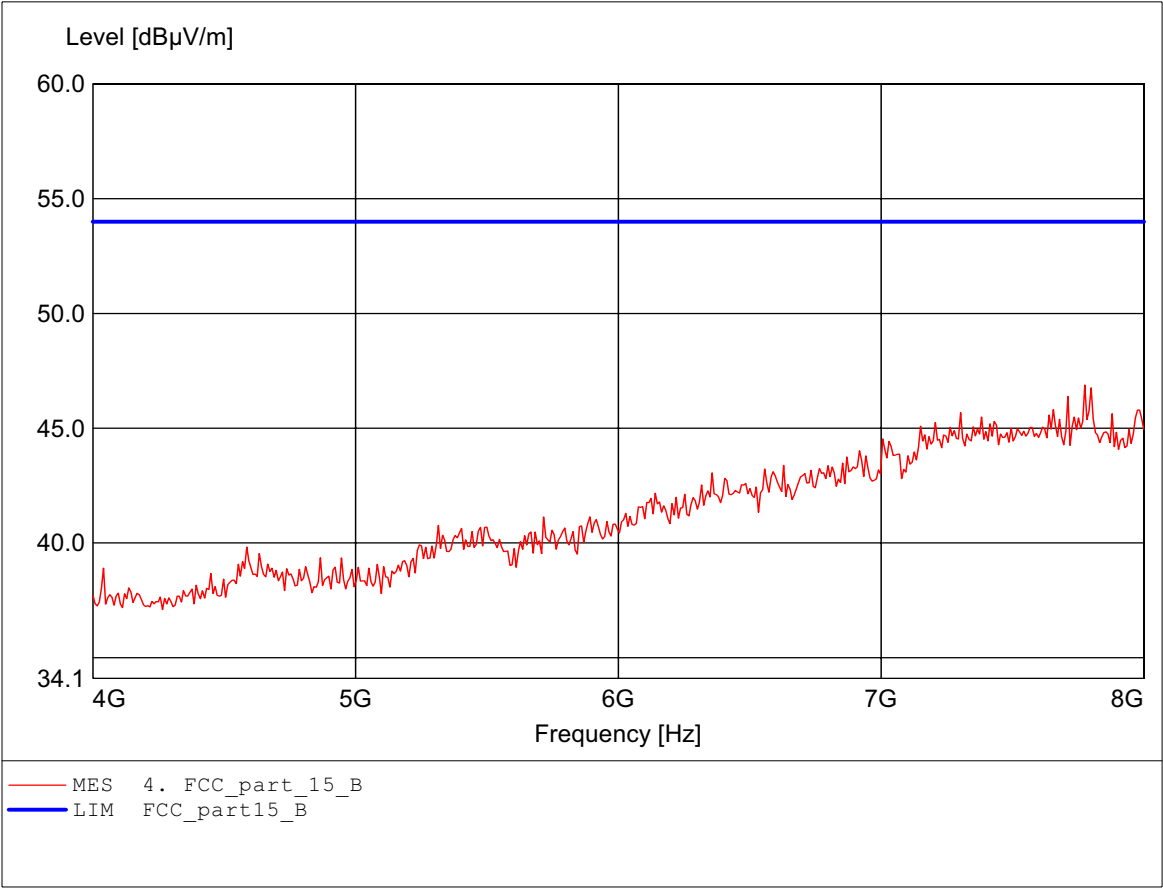
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:4.000GHz Emax:36.78dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

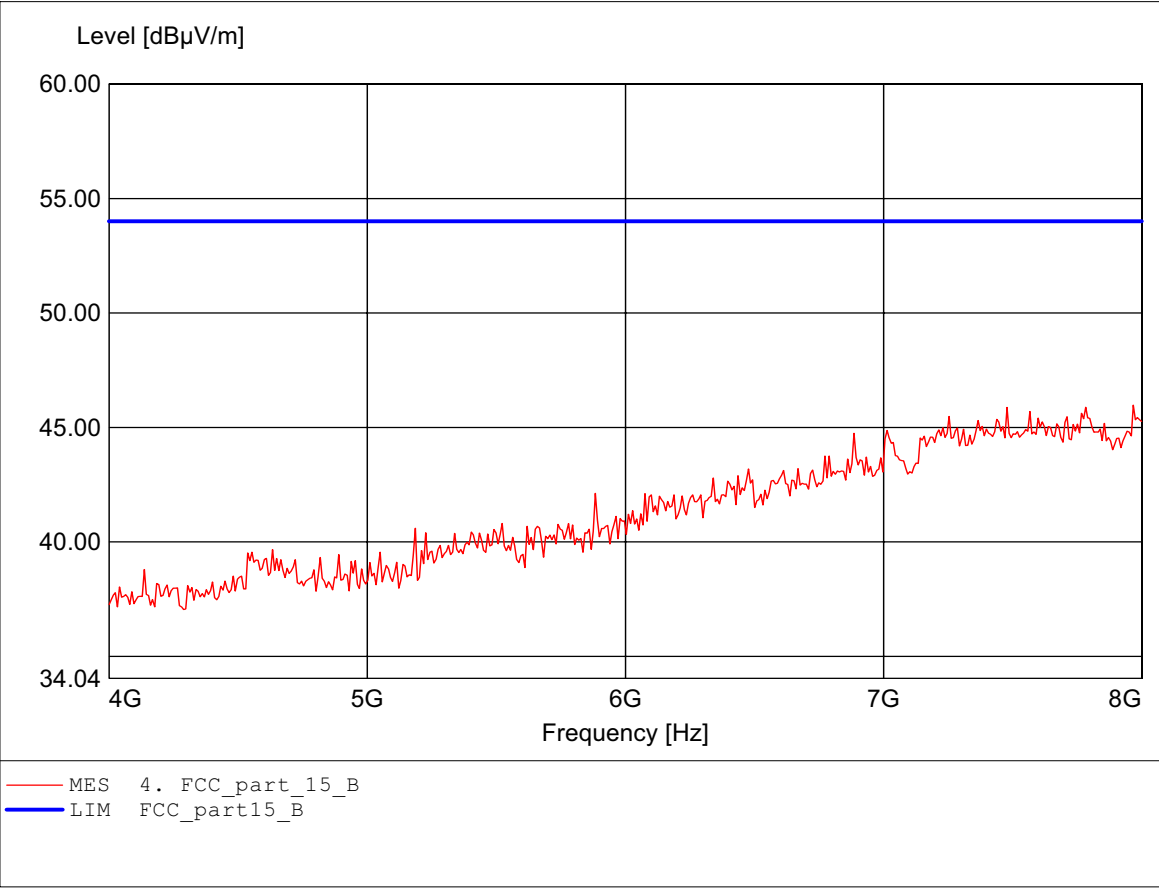
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.776GHz Emax:46.88dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

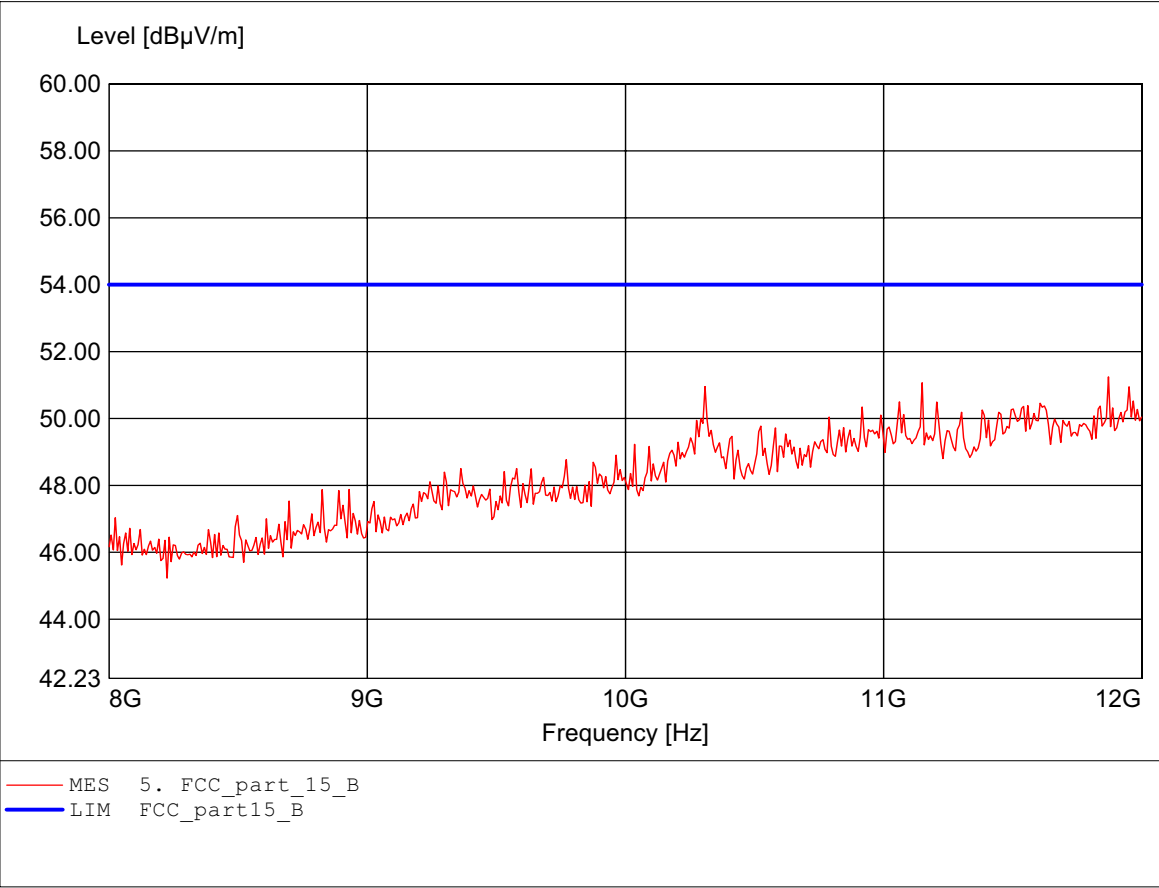
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:7.968GHz Emax:45.97dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

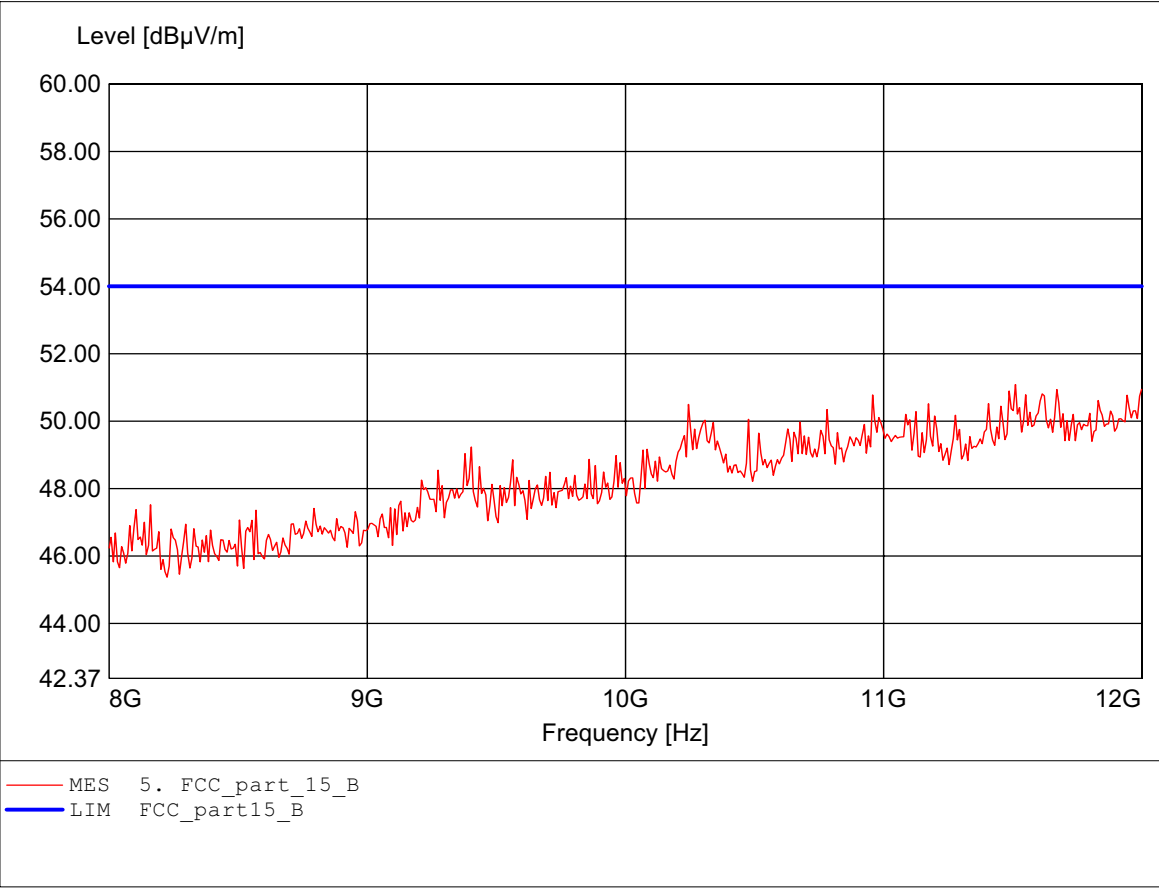
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.872GHz Emax:51.24dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

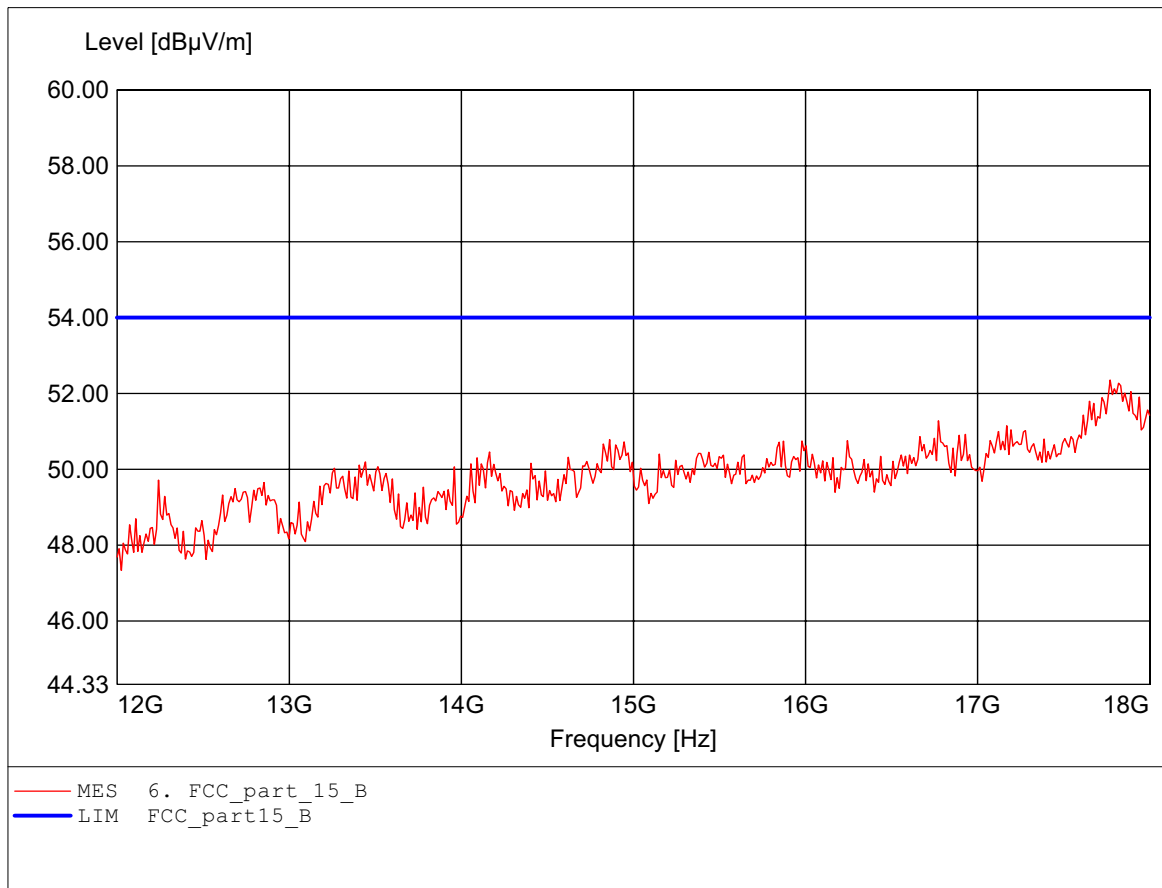
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:11.511GHz Emax:51.08dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

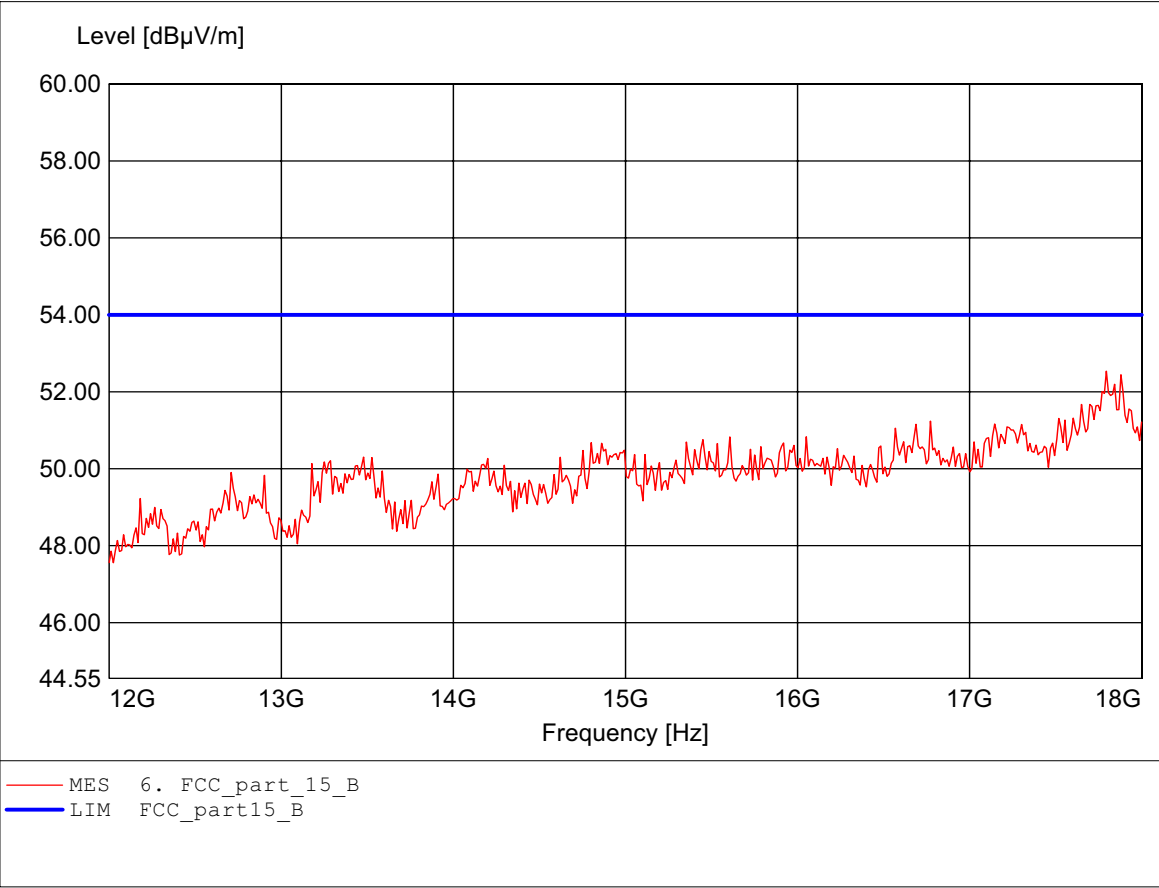
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.772GHz Emax:52.35dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

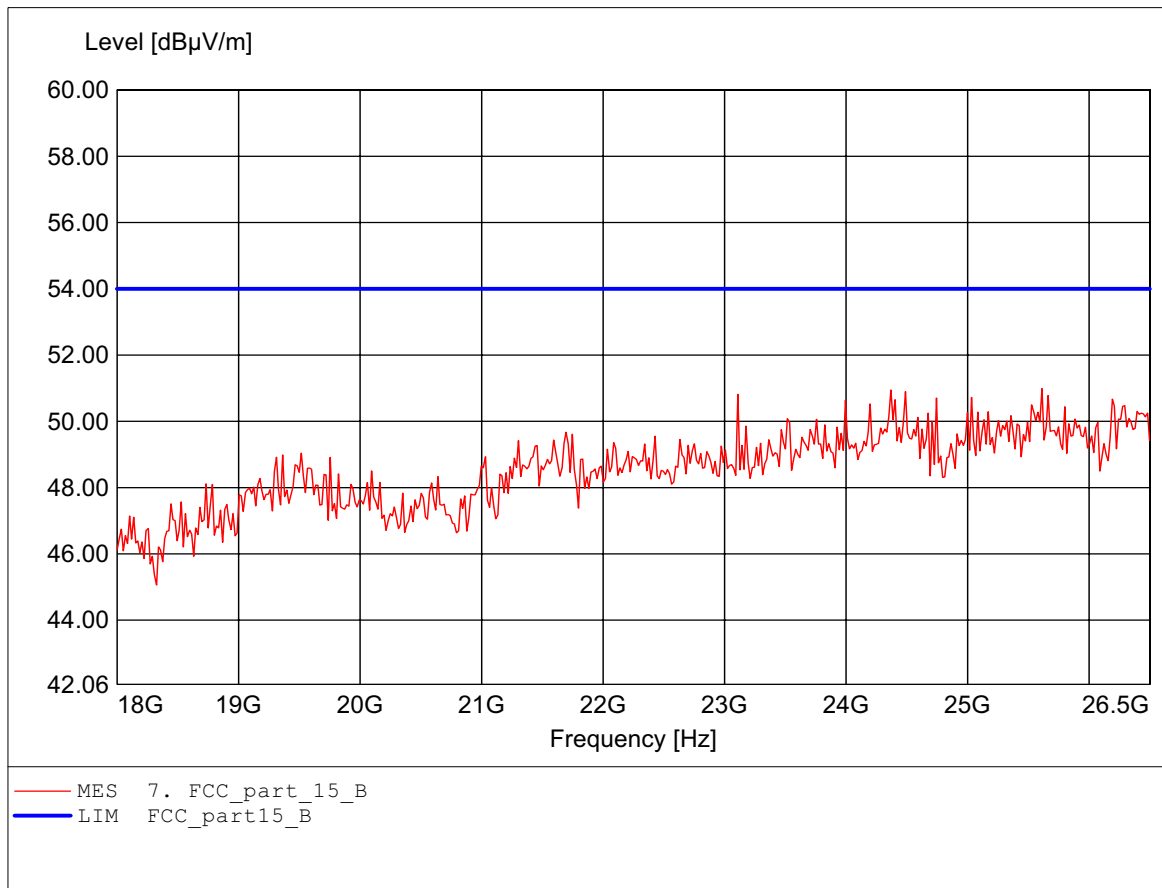
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL25, ampl.
Freq:17.796GHz Emax:52.54dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

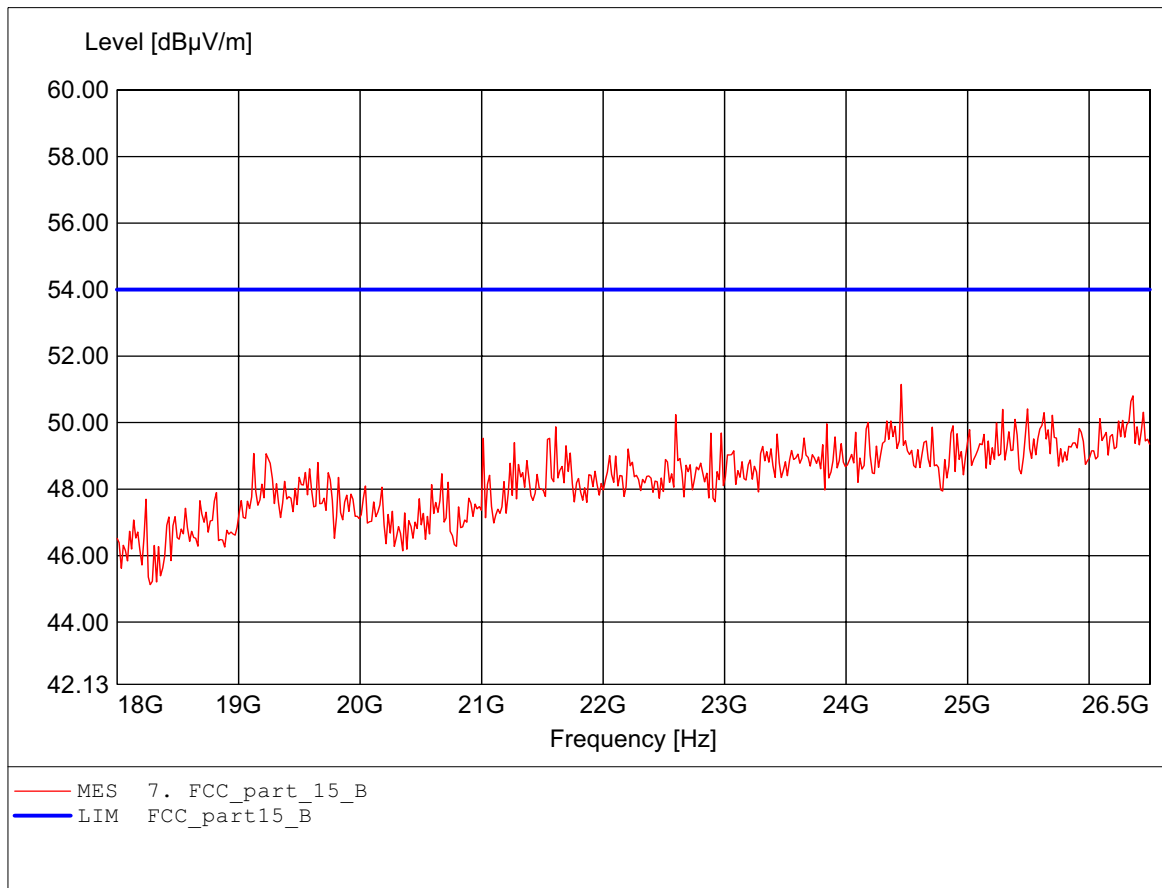
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:25.614GHz Emax:50.99dBµV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

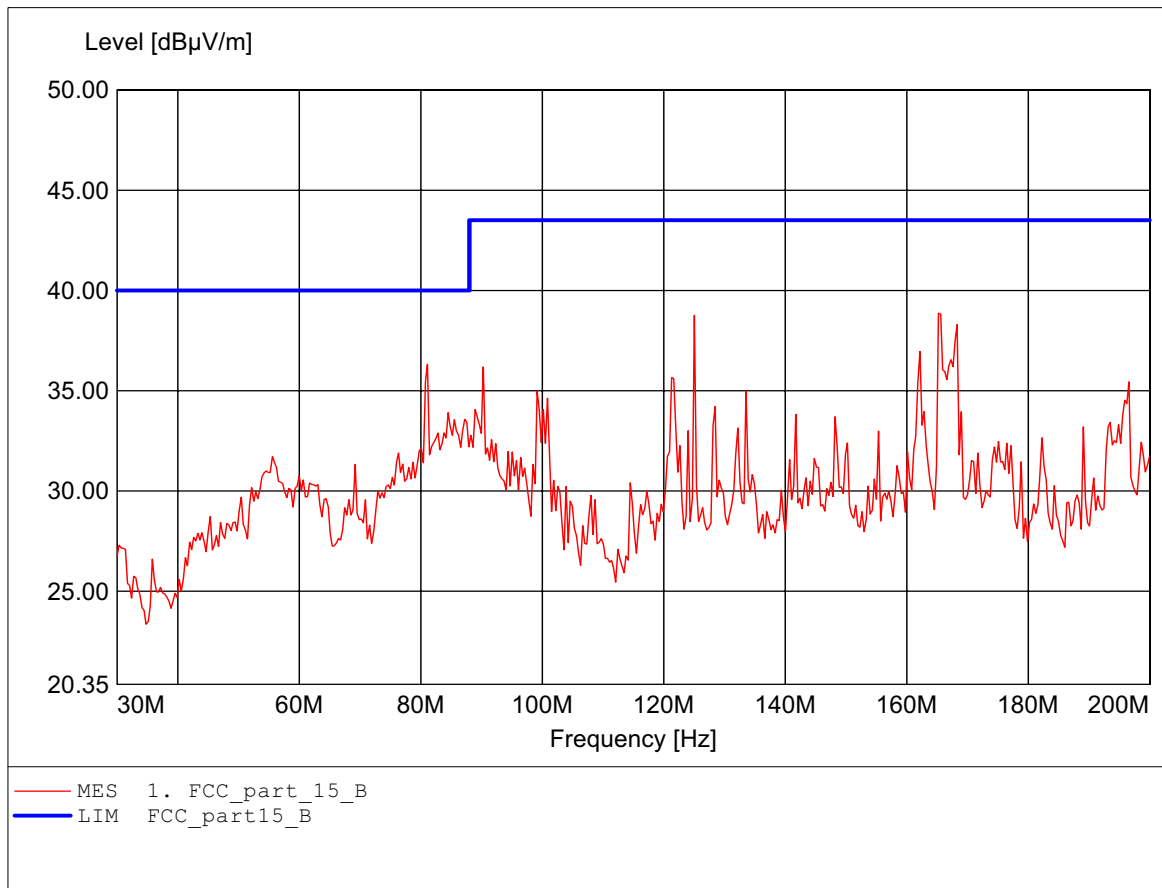
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX 802.11a channel.161
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Dennis
Temperature/Voltage: Temp.: 24.4°C/ Unom.: 120 VAC(ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Freq:24.456GHz Emax:51.15dBμV/m RBW: 1 MHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

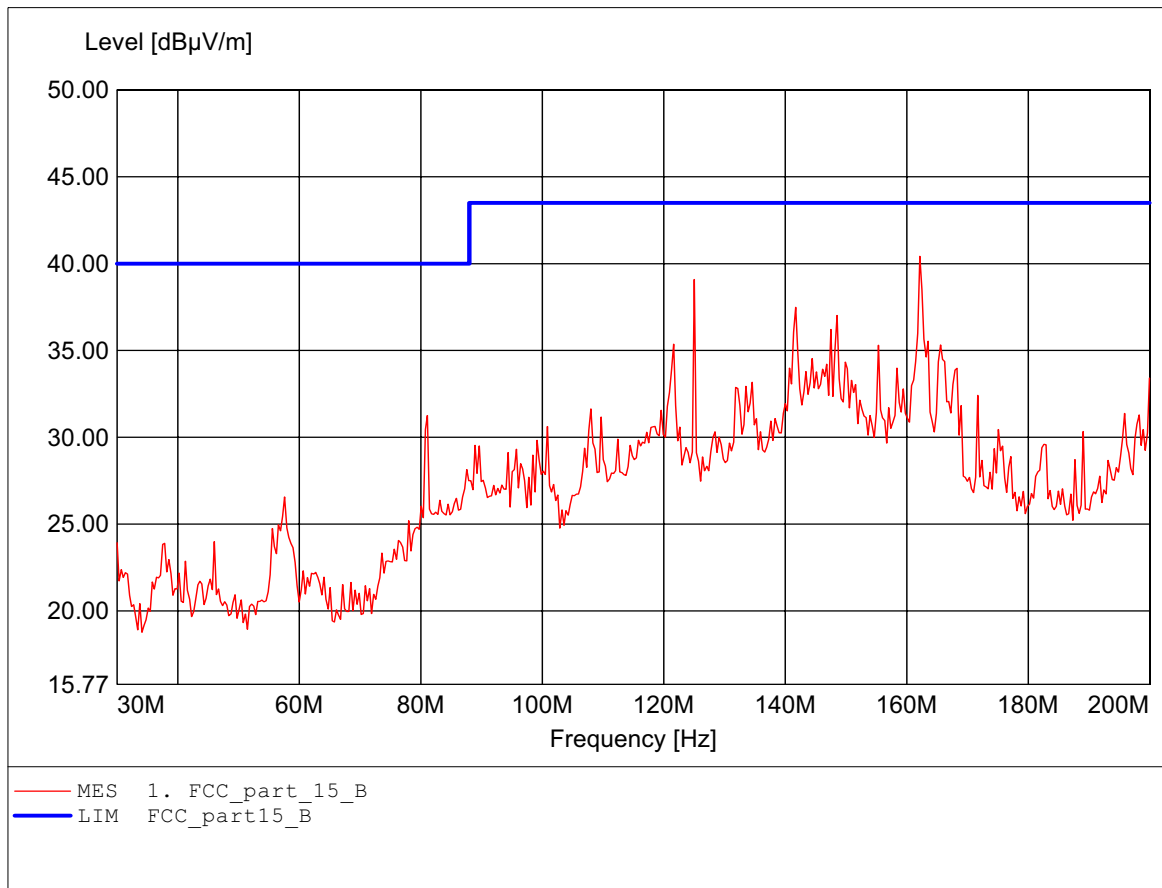
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Eric
Temperature/Voltage: Temp.: 22.6°C/ Unom.: 120 VAC (ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:165.251MHz Emax:38.87dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

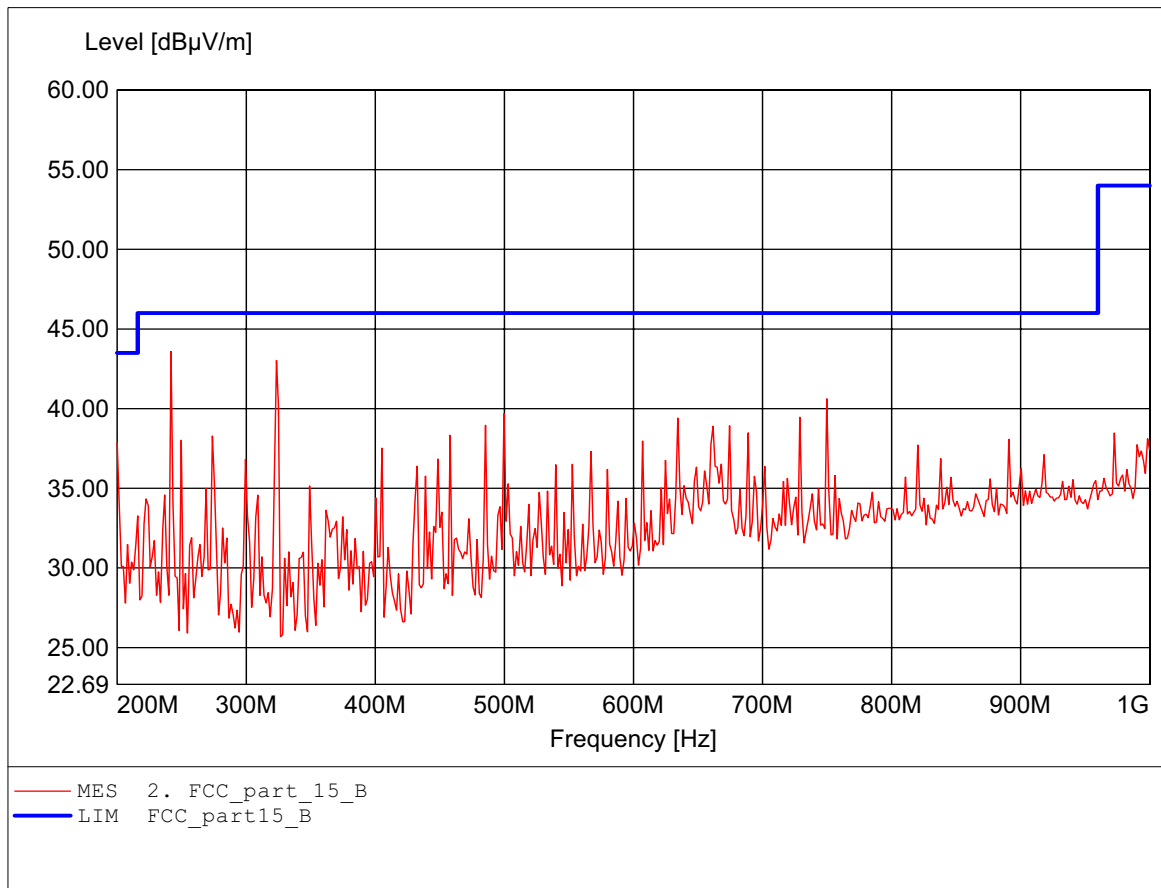
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Eric
Temperature/Voltage: Temp.: 22.6°C/ Unom.: 120 VAC (ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HK 116
Freq:162.184MHz Emax:40.42dBμV/m RBW: 100 kHz



Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

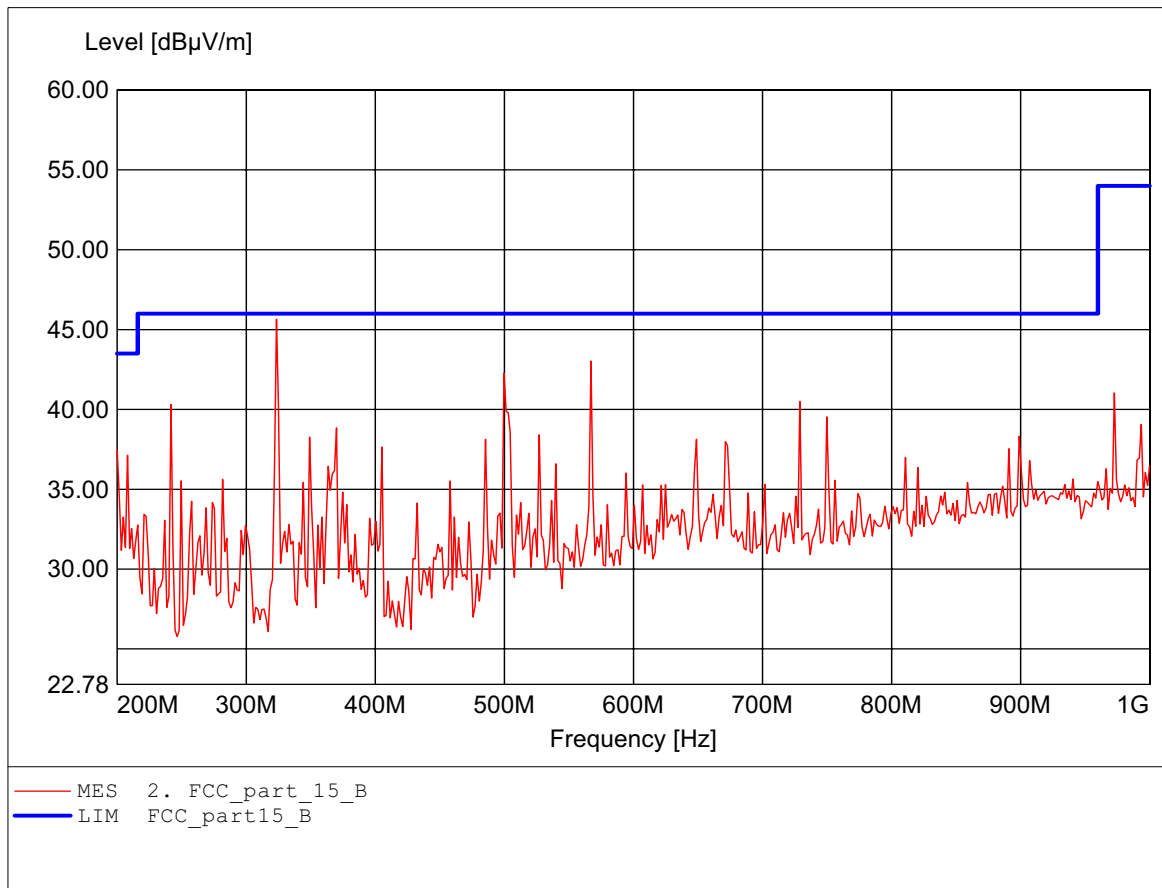
EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Eric
Temperature/Voltage: Temp.: 22.6°C/ Unom.: 120 VAC (ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq:241.683MHz Emax:43.59dBμV/m RBW: 100 kHz

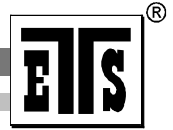


Field Strength under normal conditions

FCC RULES PART 15, SUBPART B

EUT: Wireless AV Transmitter
MODEL NO.: WVR 100A TX
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Test Site / Operator: ETS / Eric
Temperature/Voltage: Temp.: 22.6°C/ Unom.: 120 VAC (ac/dc adaptor)
Test Specification: according to subpart B
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Freq: 323.447MHz Emax: 45.64dBμV/m RBW: 100 kHz





Registration number: W6M20602-6599-E-54
FCC ID: FYLWVR100

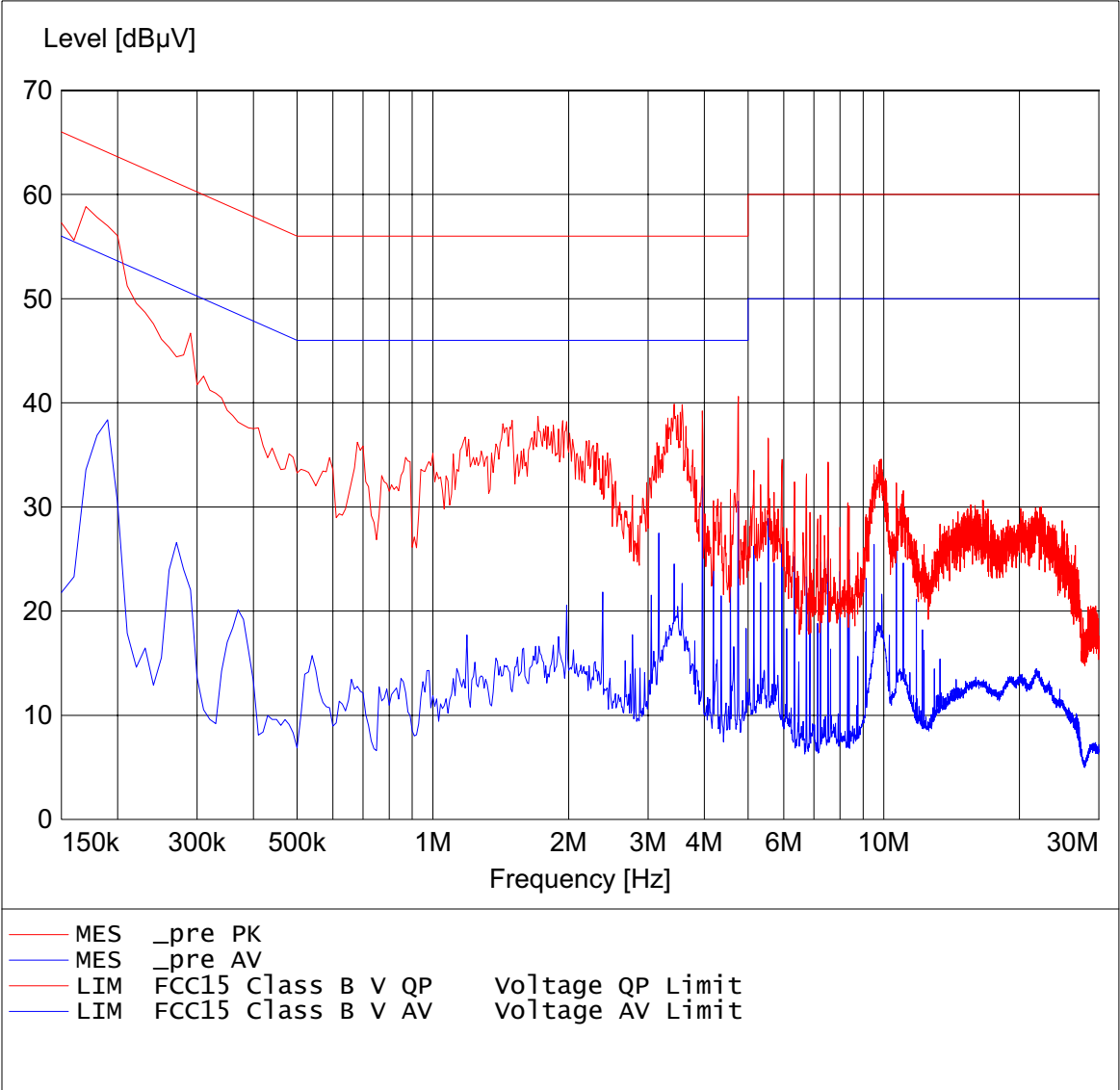
Appendix I

Spurious Emission related to AC power line

EMI voltage test in the ac-mains according to FCC Part 15

Class B

EUT: Wireless AV Transmitter
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Operating Condition: Unom: 120 VAC (ac/dc adaptor) , Tnom: 23.9°C
Test Site: ETS
Operator: Patrick
Test Specification: V-network: ESH3-Z5 N
Comment: model: WVR 100A TX mode: active



EMI voltage test in the ac-mains according to FCC Part 15

Class B

EUT: Wireless AV Transmitter
Approval Holder: Sampo Corporation Digital Products R&D Center Mobile TV R&D Division
Operating Condition: Unom: 120 VAC (ac/dc adaptor) , Tnom: 23.9°C
Test Site: ETS
Operator: Patrick
Test Specification: V-network: ESH3-Z5 L1
Comment: model: WVR 100A TX mode: active

