

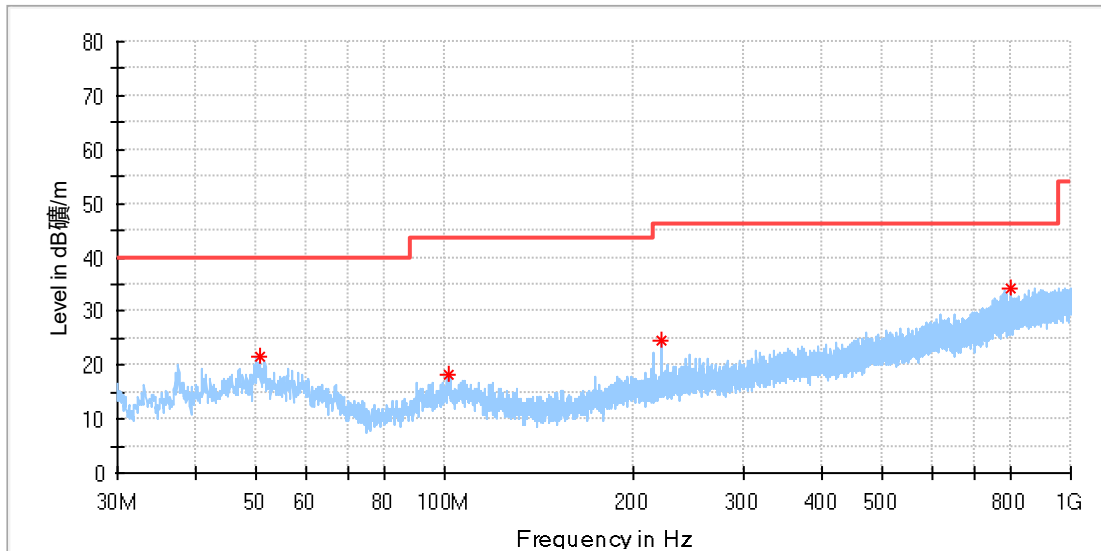
Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

### Appendix B.7: Test Results of Radiated Spurious Emissions

30MHz - 1GHz

#### EUT Information

EUT Name:	AUTOESTEREO DIGITAL AMFM
Model:	GAC A9K
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168279761/A003170015-004
Test Voltage::	DC 12V From DC Source
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



#### Critical\_Freqs

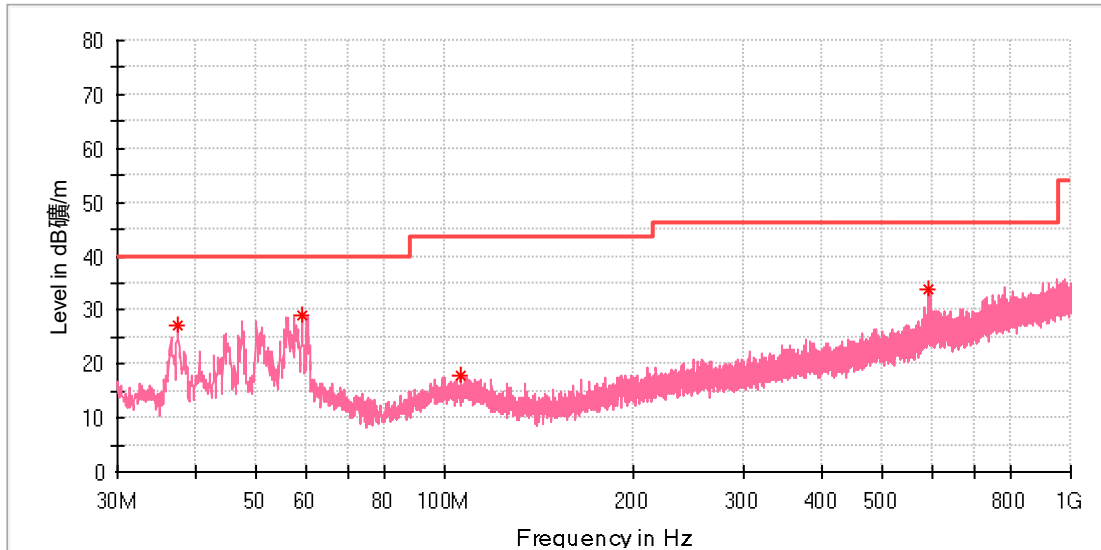
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.661000	21.75	40.00	18.25	100.0	H	66.0	-18.3
101.052500	18.09	43.50	25.41	100.0	H	218.0	-18.9
221.187000	24.70	46.00	21.30	100.0	H	148.0	-18.5
800.713500	34.30	46.00	11.70	100.0	H	357.0	-6.4

#### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

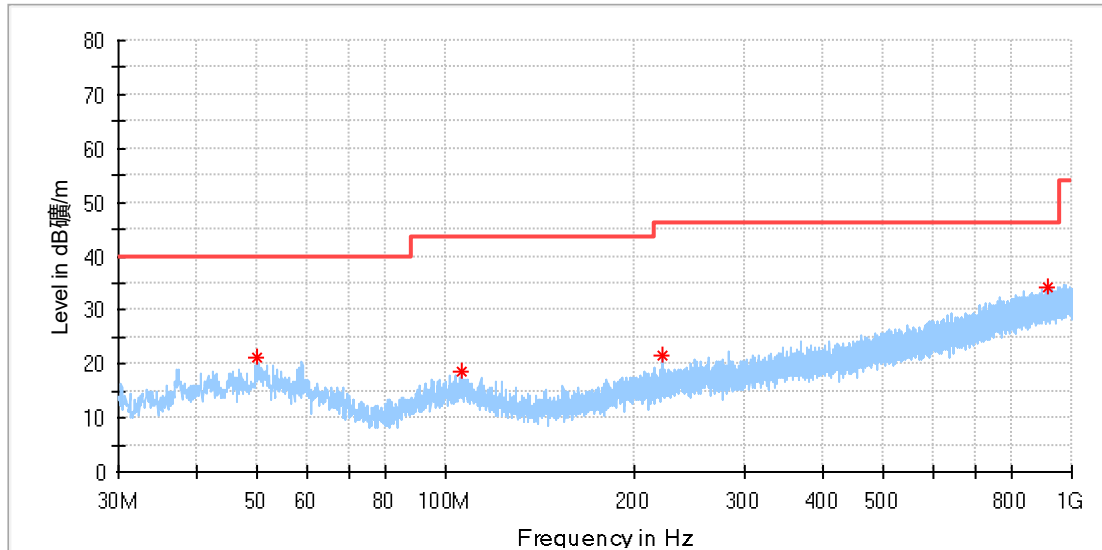
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	27.34	40.00	12.66	100.0	V	224.0	-21.0
59.197000	29.12	40.00	10.88	100.0	V	14.0	-18.9
106.339000	17.90	43.50	25.60	100.0	V	145.0	-18.8
592.503000	33.95	46.00	12.05	100.0	V	0.0	-10.0

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

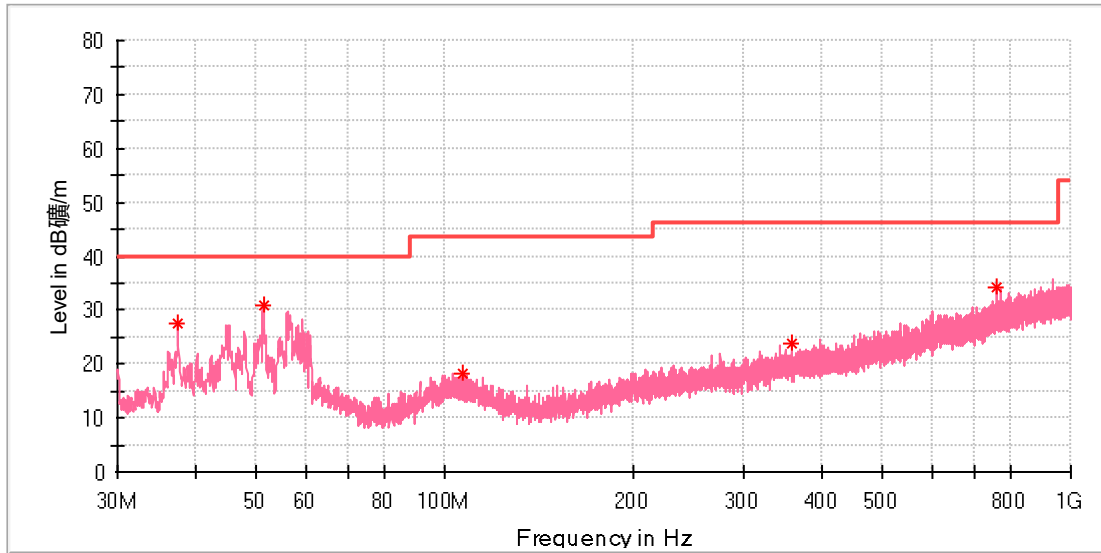
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.933500	21.04	40.00	18.96	100.0	H	324.0	-18.3
105.757000	18.65	43.50	24.85	100.0	H	291.0	-18.8
221.187000	21.76	46.00	24.24	100.0	H	143.0	-18.5
916.968000	34.41	46.00	11.59	100.0	H	238.0	-4.9

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
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### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	27.53	40.00	12.47	100.0	V	218.0	-21.0
51.243000	30.95	40.00	9.05	100.0	V	65.0	-18.3
107.115000	18.25	43.50	25.25	100.0	V	218.0	-18.9
359.606000	23.84	46.00	22.16	100.0	V	348.0	-14.6
761.186000	34.18	46.00	11.82	100.0	V	173.0	-7.0

### Final Result

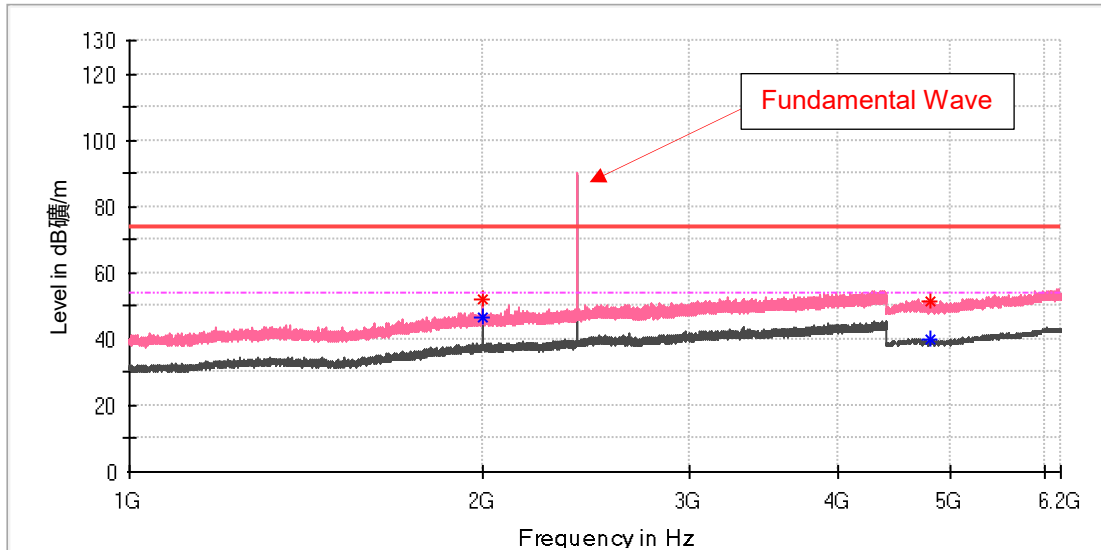
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

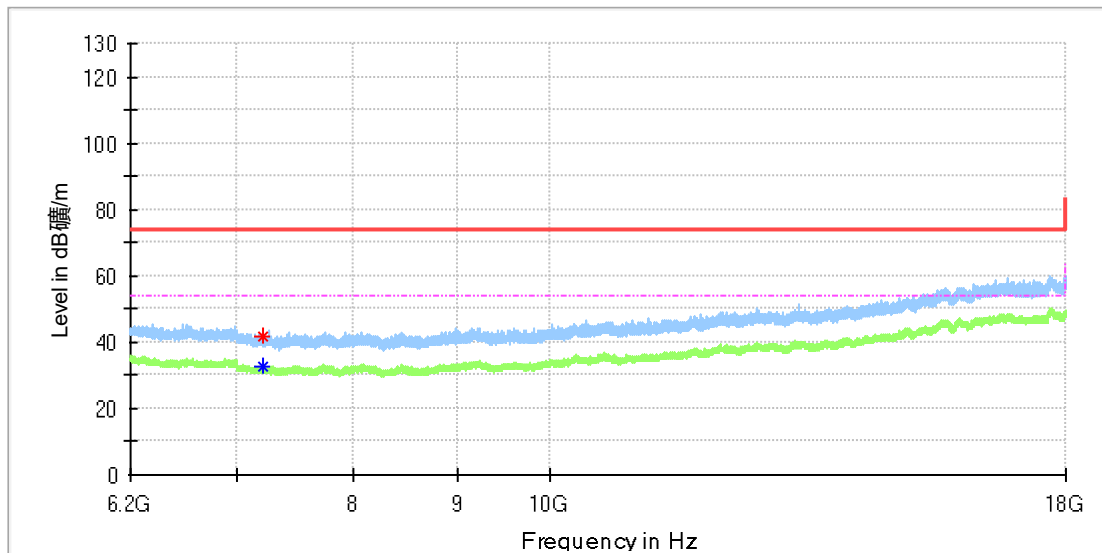
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1997.900000	52.22	---	74.00	21.78	100.0	V	16.0	6.0
1998.070000	---	46.46	54.00	7.54	100.0	V	16.0	6.0
4804.000000	---	39.63	54.00	14.37	100.0	V	73.0	11.8
4810.000000	51.33	---	74.00	22.67	100.0	V	337.0	11.8

### Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

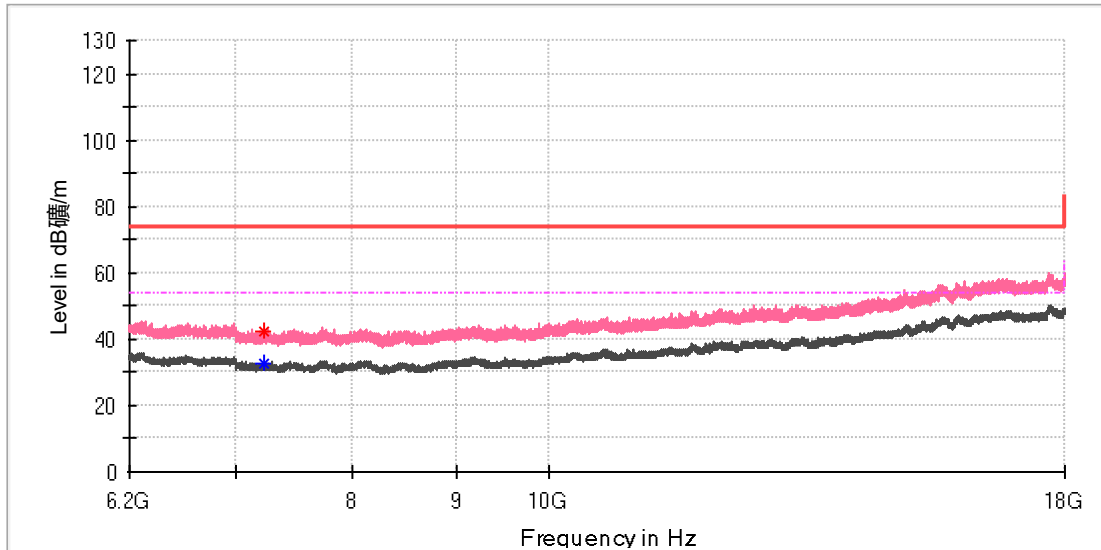
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7208.900000	42.01	---	74.00	31.99	100.0	H	328.0	8.8
7215.783333	---	32.62	54.00	21.38	100.0	H	328.0	8.7

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage:: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

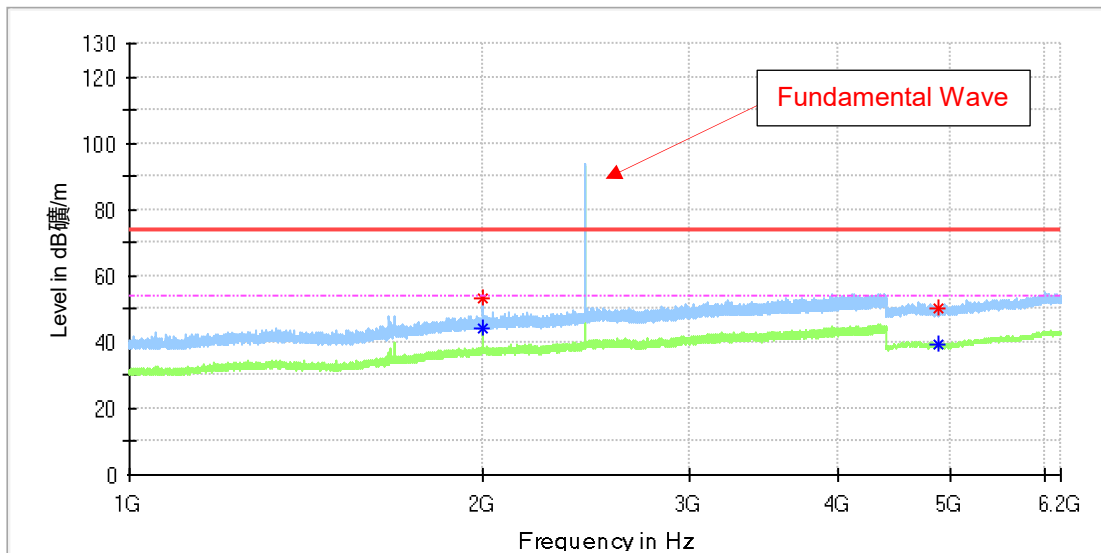
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7219.225000	42.19	---	74.00	31.81	100.0	V	57.0	8.7
7220.700000	---	32.72	54.00	21.28	100.0	V	245.0	8.7

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

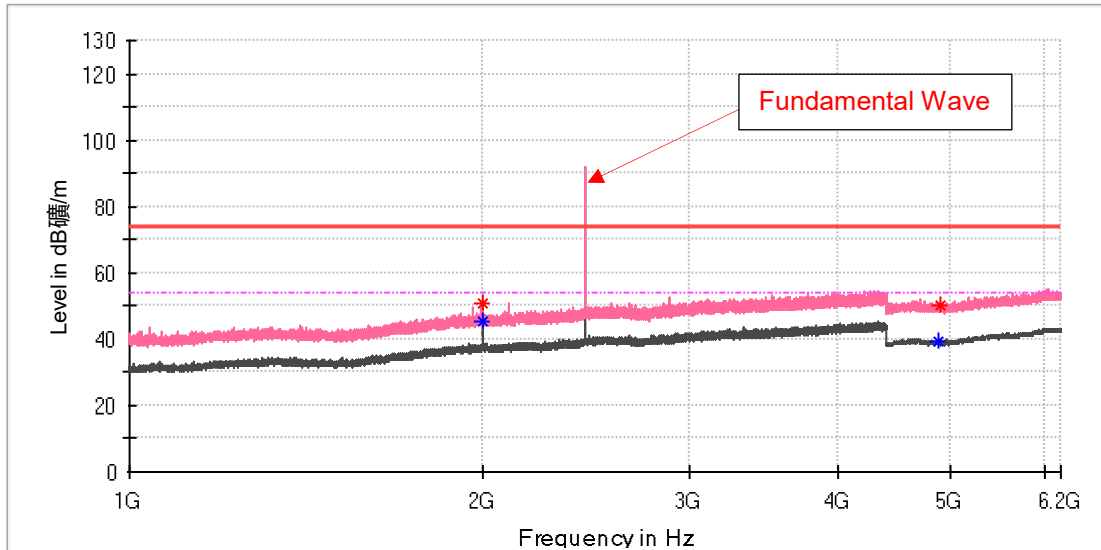
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1998.410000	---	44.38	54.00	9.62	100.0	H	315.0	6.0
1998.580000	53.30	---	74.00	20.70	100.0	H	315.0	6.0
4882.500000	---	39.10	54.00	14.90	100.0	H	124.0	11.8
4886.000000	50.34	---	74.00	23.66	100.0	H	81.0	11.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

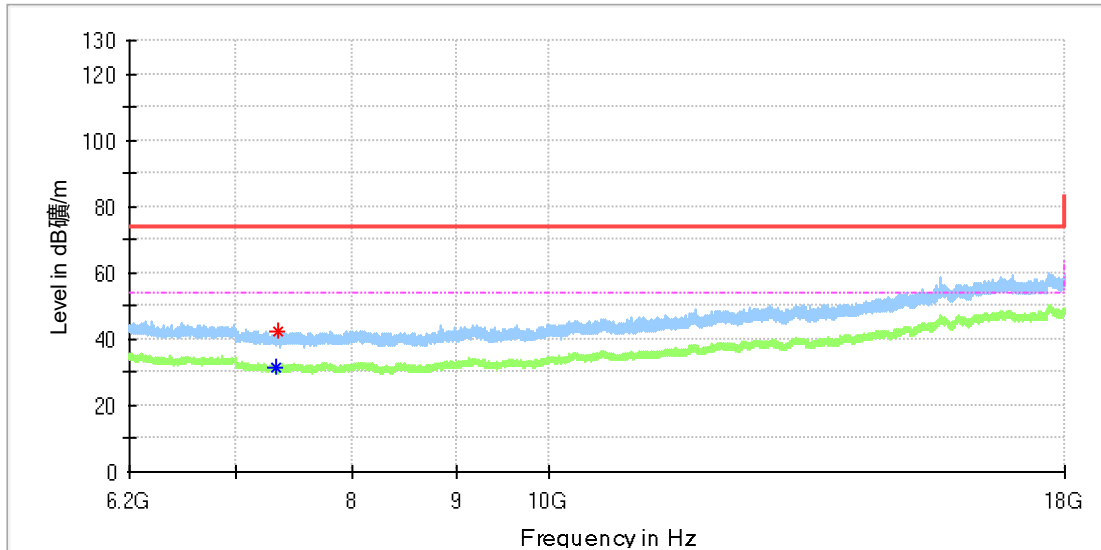
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1997.900000	---	45.37	54.00	8.63	100.0	V	358.0	6.0
1998.240000	50.77	---	74.00	23.23	100.0	V	358.0	6.0
4885.500000	---	39.15	54.00	14.85	100.0	V	247.0	11.8
4889.000000	49.90	---	74.00	24.10	100.0	V	98.0	11.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage:: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

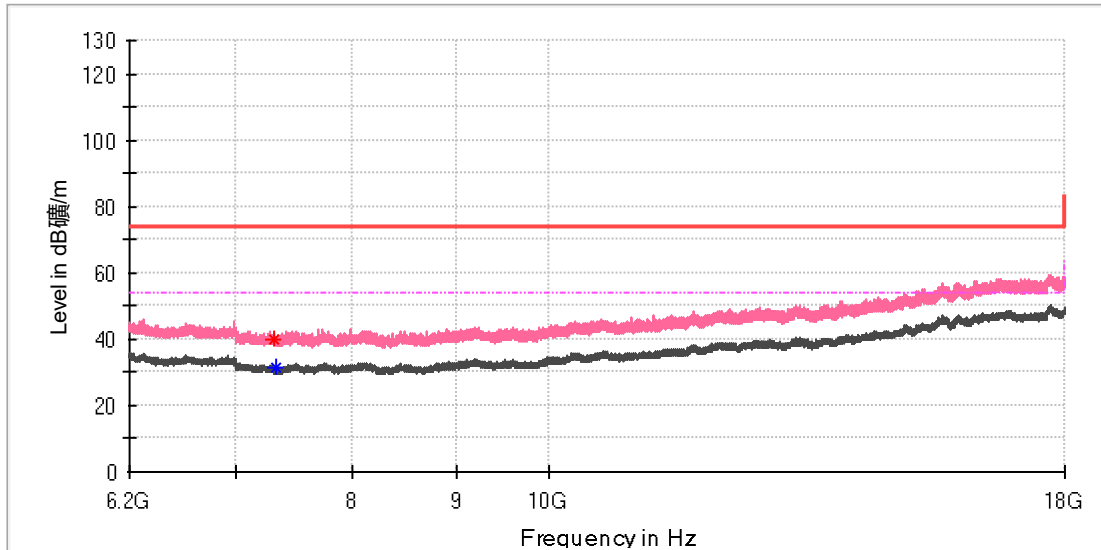
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7327.391667	---	31.45	54.00	22.55	100.0	H	115.0	8.1
7336.241667	42.04	---	74.00	31.96	100.0	H	172.0	8.1

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage:: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

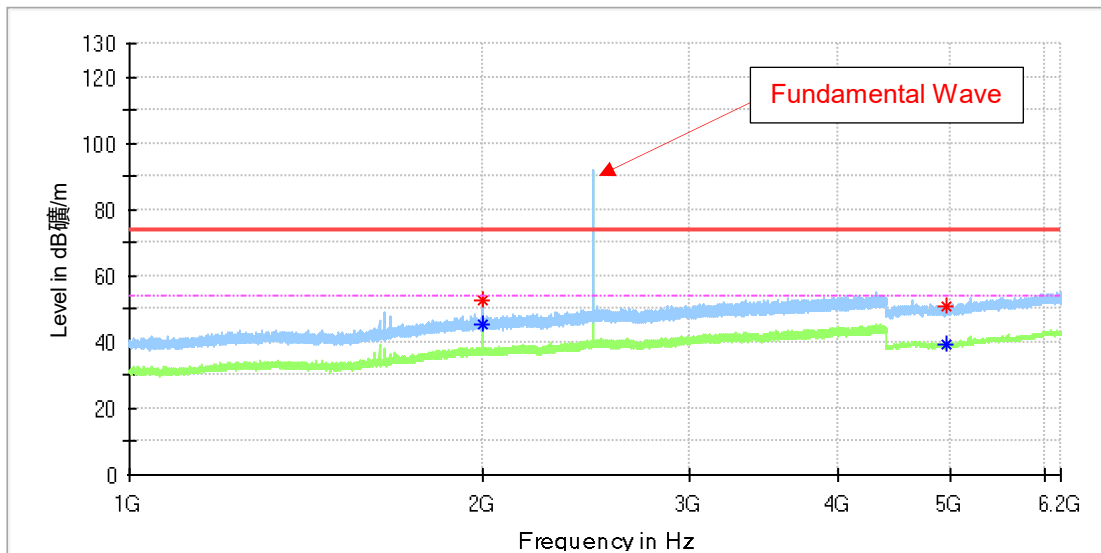
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7312.150000	40.18	---	74.00	33.82	100.0	V	51.0	8.2
7325.425000	---	31.19	54.00	22.81	100.0	V	5.0	8.2

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1997.730000	---	45.20	54.00	8.80	100.0	H	311.0	6.0
2000.110000	52.68	---	74.00	21.32	100.0	H	311.0	6.0
4958.500000	50.81	---	74.00	23.19	100.0	H	77.0	11.8
4960.000000	---	39.52	54.00	14.48	100.0	H	178.0	11.8

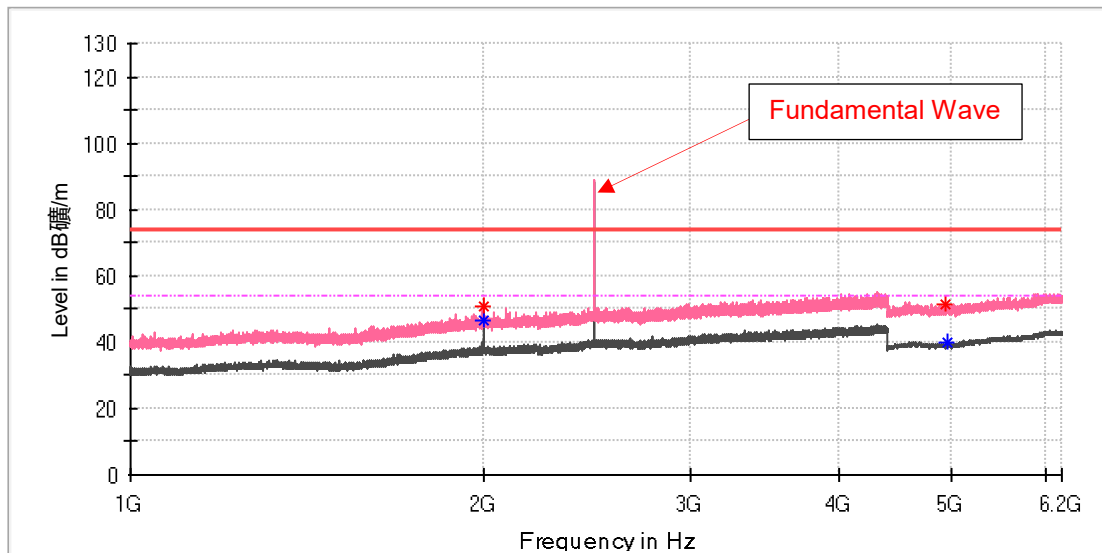
### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

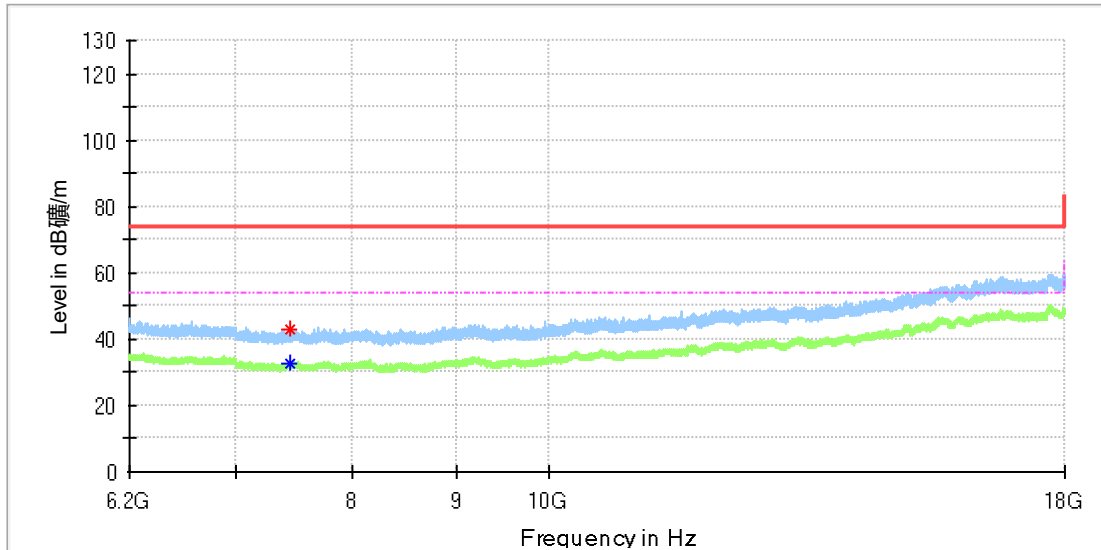
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1997.560000	50.96	---	74.00	23.04	100.0	V	321.0	6.0
1997.730000	---	46.59	54.00	7.41	100.0	V	333.0	6.0
4944.500000	51.66	---	74.00	22.34	100.0	V	210.0	11.8
4950.500000	---	39.67	54.00	14.33	100.0	V	48.0	11.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage:: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

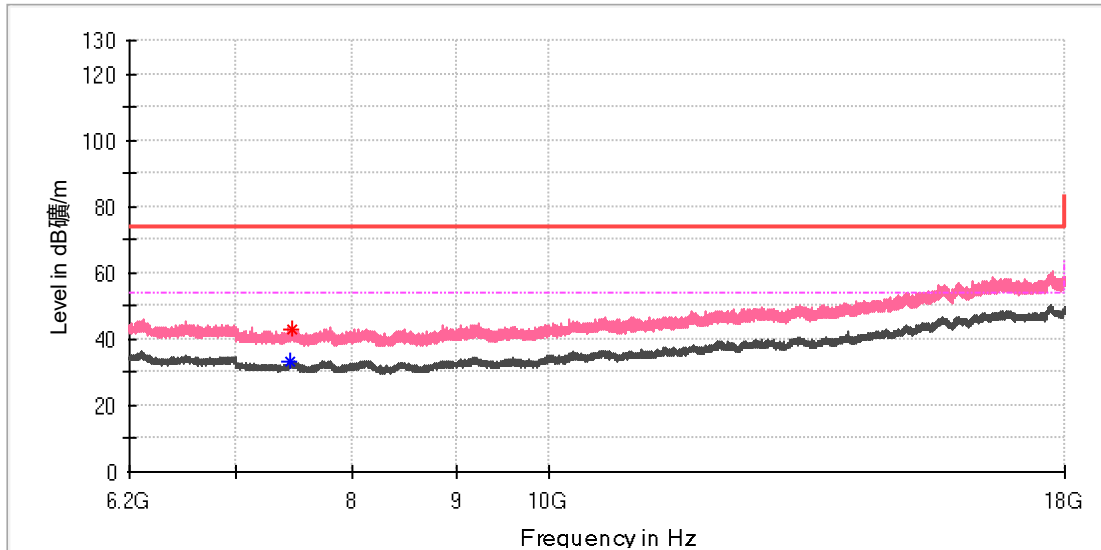
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7449.325000	42.70	---	74.00	31.30	100.0	H	120.0	8.5
7451.291667	---	32.76	54.00	21.24	100.0	H	277.0	8.5

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage:: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7452.275000	---	33.02	54.00	20.98	100.0	V	0.0	8.5
7456.700000	42.92	---	74.00	31.08	100.0	V	310.0	8.5

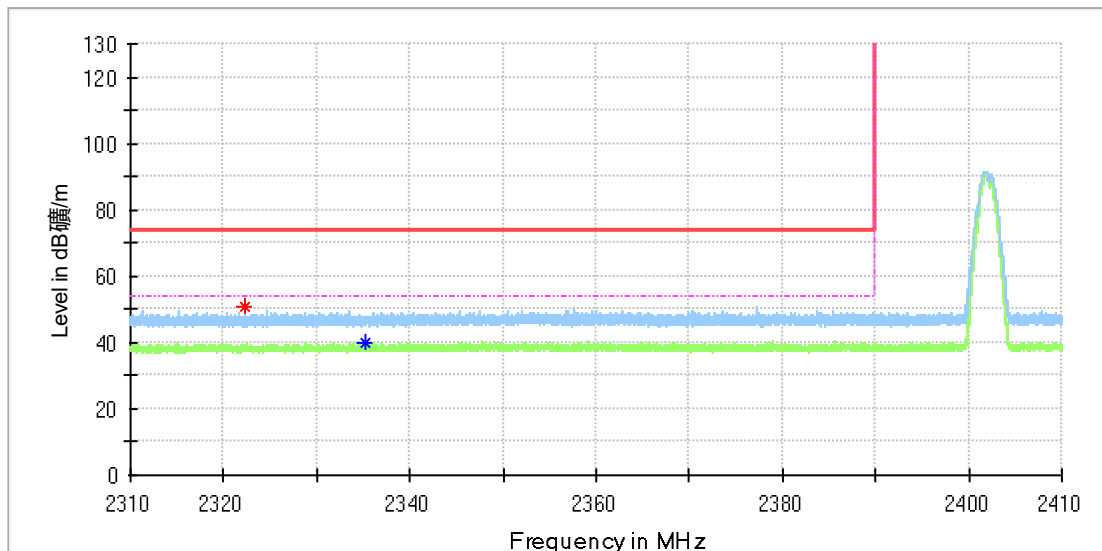
### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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## Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

EUT Name:	AUTOESTEREO DIGITAL AMFM
Model:	GAC A9K
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168279761/A003170015-004
Test Voltage::	DC 12V From DC Source
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical Freqs

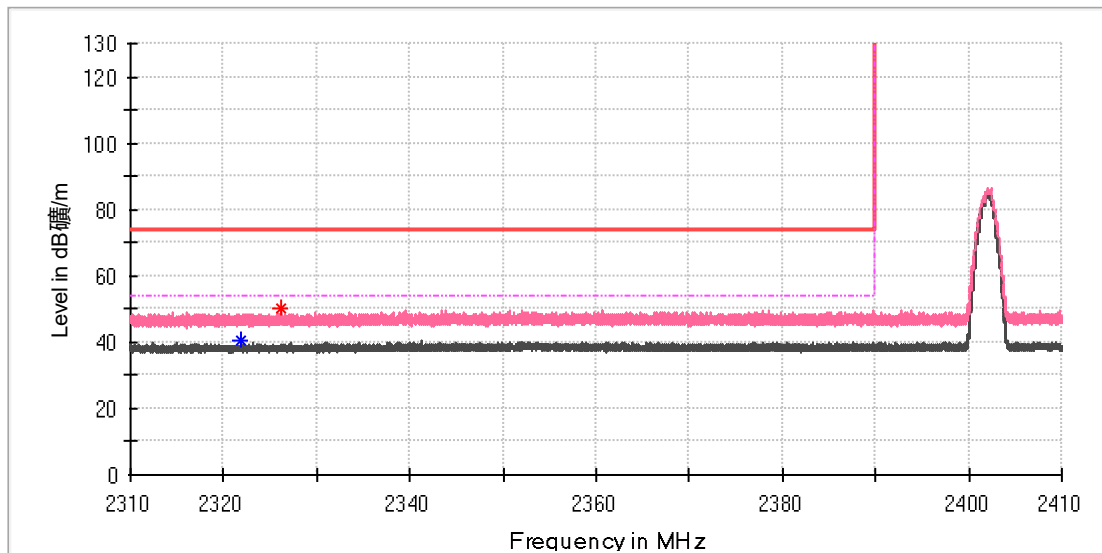
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2322.210000	50.89	---	74.00	23.11	100.0	H	317.0	6.6
2335.210000	---	40.15	54.00	13.85	100.0	H	251.0	6.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage:: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

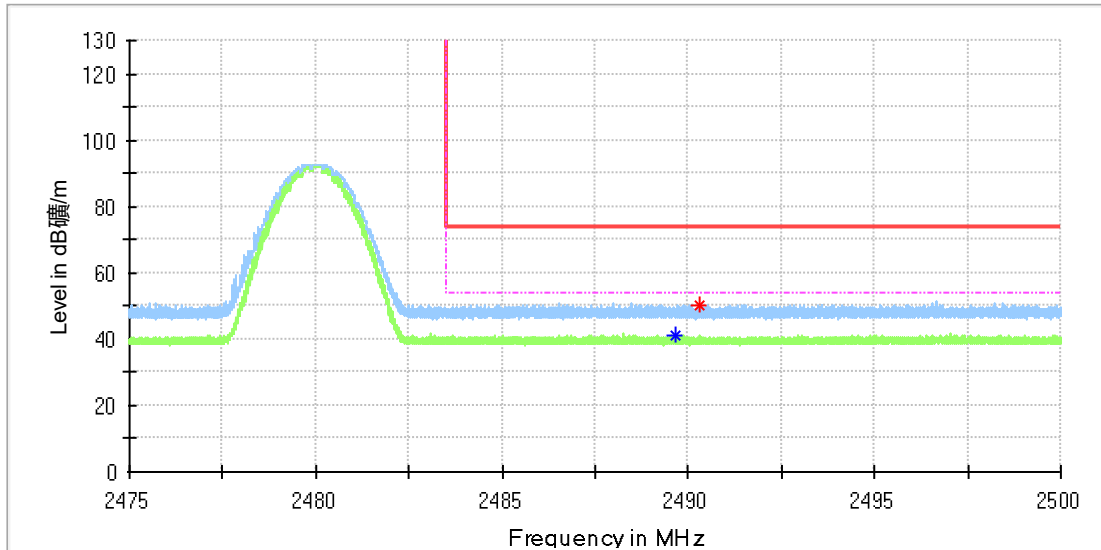
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2321.880000	---	40.42	54.00	13.58	100.0	V	44.0	6.6
2326.170000	49.92	---	74.00	24.08	100.0	V	0.0	6.7

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

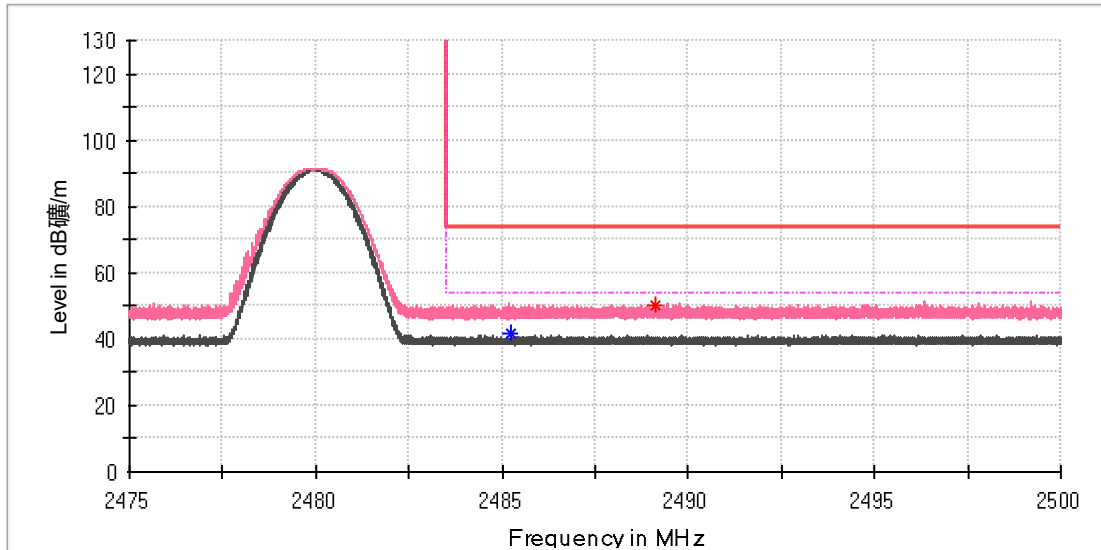
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2489.681250	---	40.94	54.00	13.06	100.0	H	189.0	7.4
2490.275000	50.36	---	74.00	23.64	100.0	H	208.0	7.4

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: AUTOESTEREO DIGITAL AMFM  
 Model: GAC A9K  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168279761/A003170015-004  
 Test Voltage:: DC 12V From DC Source  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.246250	---	41.47	54.00	12.53	100.0	V	0.0	7.4
2489.110000	50.32	---	74.00	23.68	100.0	V	0.0	7.4

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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