

Prüfbericht - Nr.:

16022125 001

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

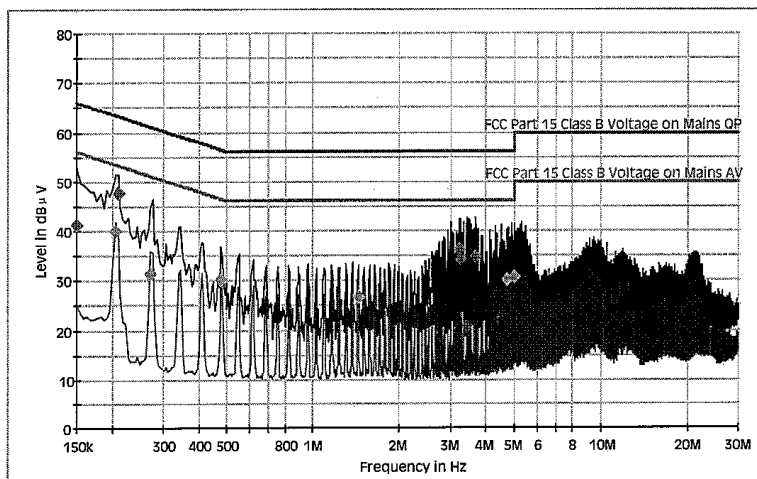
Test Information

Manufacturer:	K-Mate
Test Item:	Bluetooth headset
Identification:	BH501C
Test Standard:	FCC Part15
Test Detail:	Conducted Emission
Operation Mode:	Charging
Climate Condition:	22 °C; 52 %RH; 101 kPa.
Test Voltage/ Freq.:	110 V/ 60 Hz
Port / Line:	AC Power Input
Receipt No.:	173050872 200
Report No.:	16022125 001
Result:	Pass
Comment:	

Hardware Setup:	1phase LISN ESH3-Z5 to ESCS30
Level Unit:	dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC PART15 DV ESH3-Z5 150k to 30M ESCS30



2010-3-3, 13:46:20

Tested by:



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EMC Test Service Hotline: +86-20-28391188

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line
0.150000	41.3	1000.000	9.000	GND	L1
0.208500	47.7	1000.000	9.000	GND	N
3.214500	36.1	1000.000	9.000	GND	L1
3.282000	34.1	1000.000	9.000	GND	L1
3.408000	20.7	1000.000	9.000	GND	L1
3.691500	34.8	1000.000	9.000	GND	L1

(continuation of the "Final Measurement Detector 1" table from column 6 ...)

Frequency (MHz)	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.150000	10.2	24.7	66.0	
0.208500	10.2	15.6	63.3	
3.214500	10.2	19.9	56.0	
3.282000	10.2	21.9	56.0	
3.408000	10.3	35.3	56.0	
3.691500	10.3	21.2	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line
0.204000	40.0	1000.000	9.000	GND	N
0.271500	31.1	1000.000	9.000	GND	L1
0.478500	30.2	1000.000	9.000	GND	N
1.437000	26.6	1000.000	9.000	GND	N
4.722000	30.1	1000.000	9.000	GND	N
4.996500	30.6	1000.000	9.000	GND	N

(continuation of the "Final Measurement Detector 2" table from column 6 ...)

Frequency (MHz)	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.204000	10.3	13.4	53.4	
0.271500	9.9	19.9	51.1	
0.478500	10.0	16.2	46.4	
1.437000	10.1	19.4	46.0	
4.722000	10.3	15.9	46.0	
4.996500	10.3	15.4	46.0	

2010-3-3, 13:46:20

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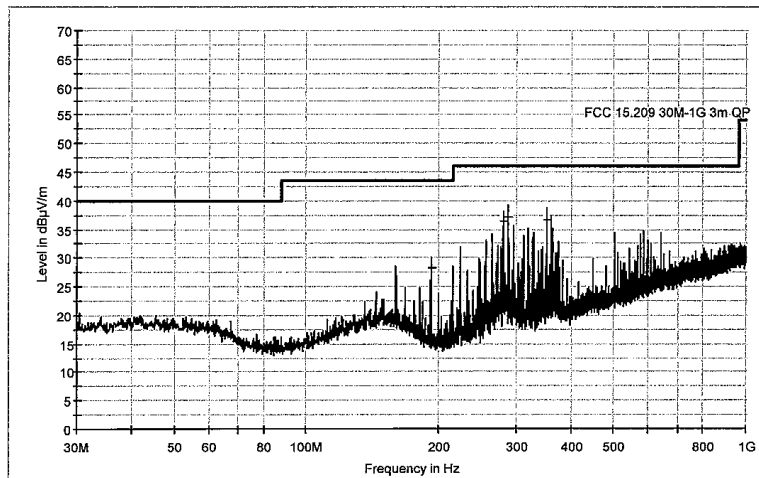
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
192.000000	28.3	12.0	15.2	43.5	H
280.000000	36.5	14.5	9.5	46.0	H
288.000000	37.2	14.7	8.8	46.0	H
352.000000	36.7	16.3	9.3	46.0	H

Date: 2/20/2010 - Time: 7:18:48 PM

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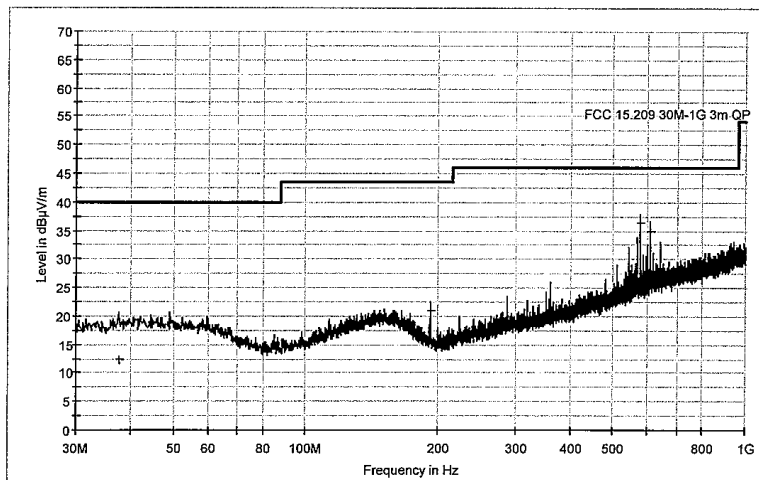
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
37.500000	12.5	14.4	27.5	40.0	V
192.000000	21.1	12.0	22.4	43.5	V
576.000000	36.5	21.0	9.5	46.0	V
608.000000	35.0	21.7	11.0	46.0	V

Date: 2/20/2010 - Time: 7:11:40 PM

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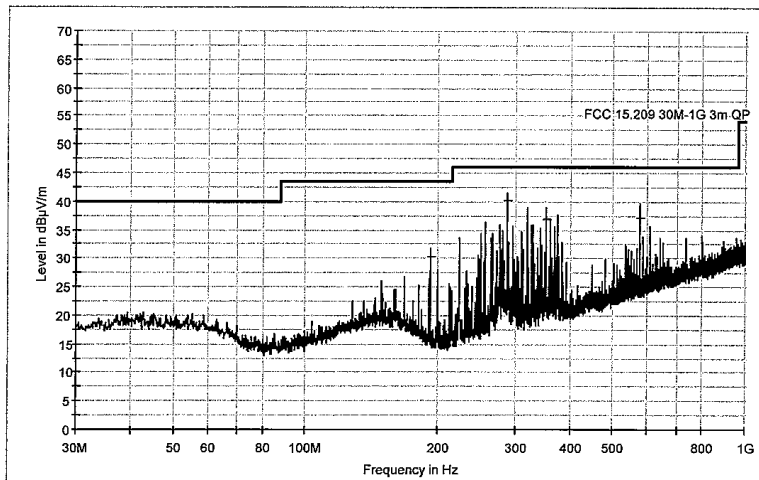
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
192.000000	30.4	12.0	13.1	43.5	H
288.000000	40.1	14.7	5.9	46.0	H
352.000000	36.8	16.3	9.2	46.0	H
576.000000	37.2	21.0	8.8	46.0	H

Date: 2/20/2010 - Time: 7:25:54 PM

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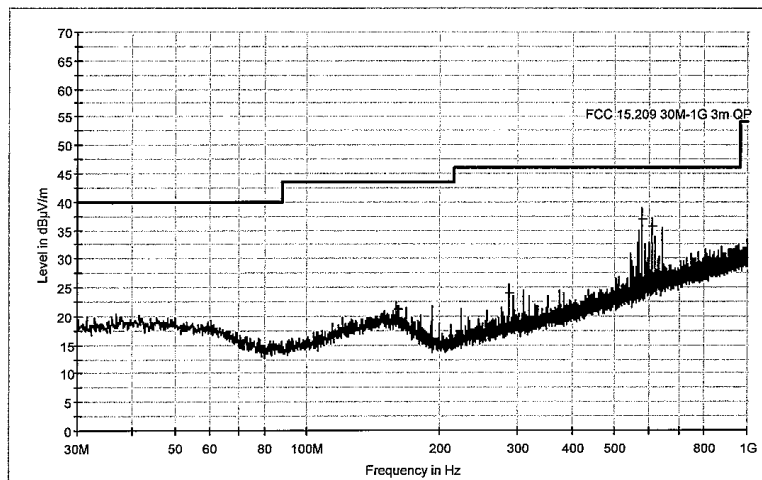
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
160.000000	21.3	15.6	22.2	43.5	V
288.000000	24.1	14.7	21.9	46.0	V
576.000000	36.9	21.0	9.1	46.0	V
608.000000	35.7	21.7	10.3	46.0	V

Date: 2/20/2010 - Time: 7:30:03 PM

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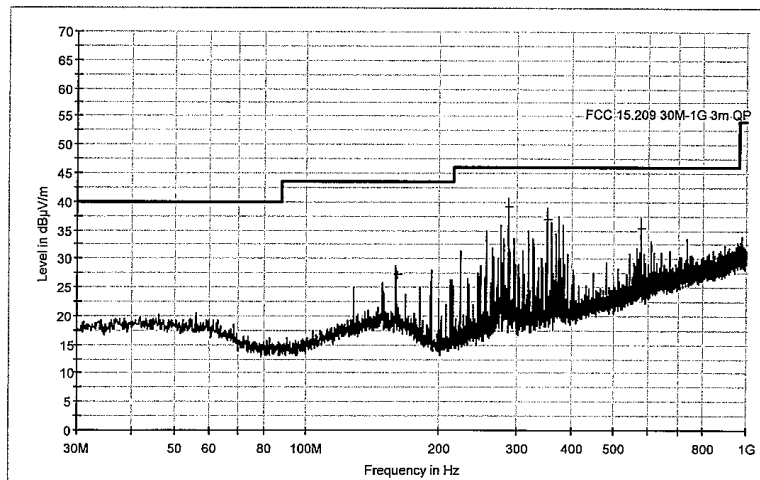
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
160.000000	27.2	15.6	16.3	43.5	H
288.000000	39.2	14.7	6.8	46.0	H
352.000000	36.9	16.3	9.1	46.0	H
576.000000	35.5	21.0	10.5	46.0	H

Date: 2/20/2010 - Time: 7:43:51 PM

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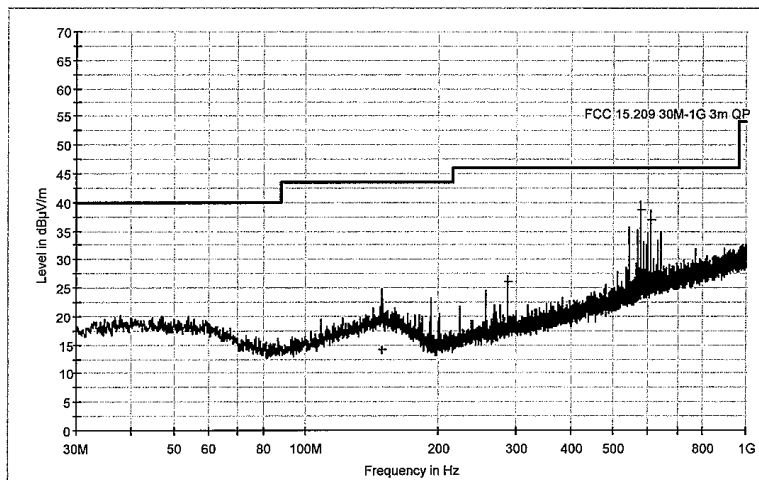
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 30MHz - 1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
149.400000	14.2	15.6	29.3	43.5	V
288.000000	26.1	14.7	19.9	46.0	V
576.000000	38.6	21.0	7.4	46.0	V
608.000000	37.0	21.7	9.0	46.0	V

Date: 2/20/2010 - Time: 7:39:24 PM

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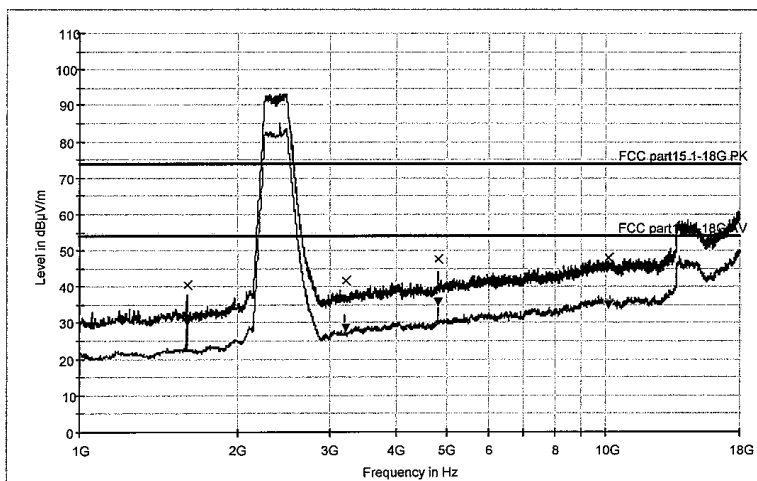
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. : DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 1GHz - 18GHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Margin (dB)	Limit (dB µ V/m)	Polarity	Corr. (dB)
1602.000000	40.6	33.4	74.0	H	-13.8
3204.000000	41.9	32.1	74.0	H	-8.7
4804.000000	47.8	26.2	74.0	H	-4.6
10139.500000	47.9	26.1	74.0	H	5.3

Date: 2/21/2010 - Time: 6:01:42 PM

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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1602.000000	30.1	23.9	54.0	H	-13.8
3204.000000	28.4	25.6	54.0	H	-8.7
4804.000000	35.8	18.2	54.0	H	-4.6
10139.500000	34.8	19.2	54.0	H	5.3

Date: 2/21/2010 - Time: 6:01:42 PM

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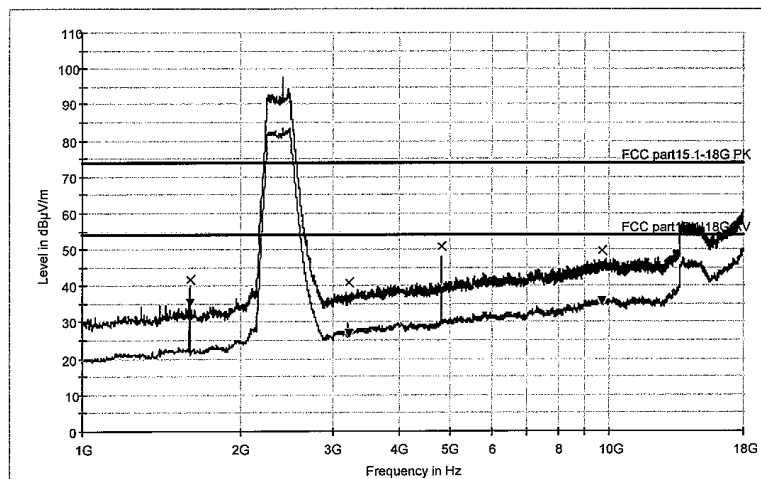
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 1GHz - 18GHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µV/m)	Margin (dB)	Limit (dB µV/m)	Polarity	Corr. (dB)
1602.000000	41.8	32.2	74.0	V	-13.8
3204.000000	40.9	33.1	74.0	V	-8.7
4804.000000	51.0	23.0	74.0	V	-4.6
9710.500000	49.6	24.4	74.0	V	5.5

Date: 2/21/2010 - Time: 6:10:07 PM

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TUV Rheinland (Guangdong) Ltd.

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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1602.000000	35.3	18.7	54.0	V	-13.8
3204.000000	27.1	26.9	54.0	V	-8.7
4804.000000	38.5	15.5	54.0	V	-4.6
9710.500000	35.7	18.3	54.0	V	5.5

Date: 2/21/2010 - Time: 6:10:07 PM

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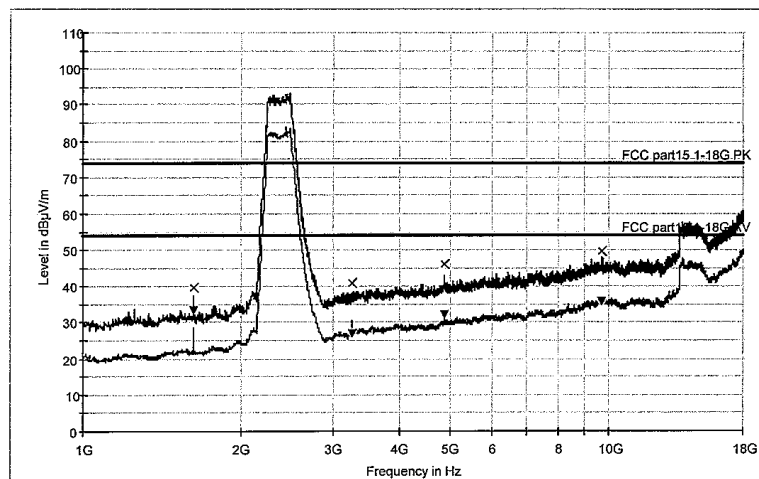
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 1GHz - 18GHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Margin (dB)	Limit (dB µ V/m)	Polarity	Corr. (dB)
1627.000000	39.7	34.3	74.0	H	-13.6
3253.000000	40.8	33.2	74.0	H	-8.0
4882.000000	46.2	27.8	74.0	H	-4.7
9710.500000	49.8	24.2	74.0	H	5.5

Date: 2/21/2010 - Time: 6:24:00 PM

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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1627.000000	33.5	20.5	54.0	H	-13.6
3253.000000	27.0	27.0	54.0	H	-8.0
4882.000000	32.2	21.8	54.0	H	-4.7
9710.500000	35.7	18.3	54.0	H	5.5

Date: 2/21/2010 - Time: 6:24:00 PM

Tested by: _____



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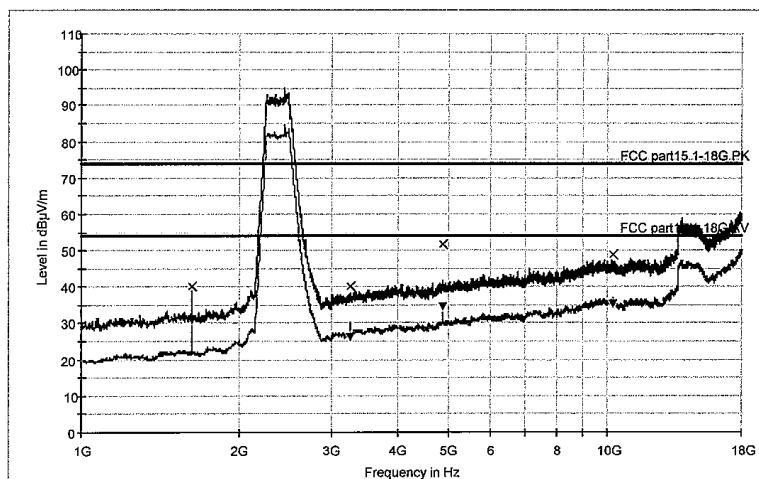
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 1GHz - 18GHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Margin (dB)	Limit (dB µ V/m)	Polarity	Corr. (dB)
1627.000000	40.3	33.7	74.0	V	-13.6
3253.000000	40.1	33.9	74.0	V	-8.0
4882.000000	51.8	22.2	74.0	V	-4.7
10288.500000	49.0	25.0	74.0	V	5.9

Date: 2/21/2010 - Time: 6:17:20 PM

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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1627.000000	30.9	23.1	54.0	V	-13.6
3253.000000	26.3	27.7	54.0	V	-8.0
4882.000000	34.7	19.3	54.0	V	-4.7
10288.500000	35.3	18.7	54.0	V	5.9

Date: 2/21/2010 - Time: 6:17:20 PM

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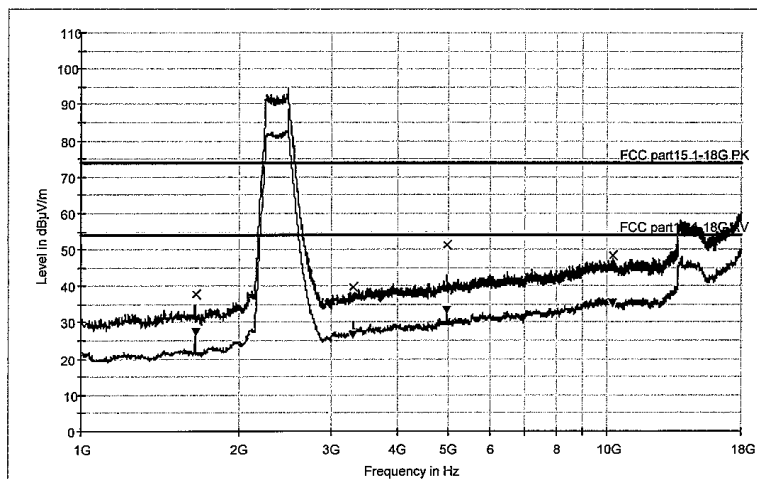
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 1GHz - 18GHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Margin (dB)	Limit (dB µ V/m)	Polarity	Corr. (dB)
1653.000000	37.9	36.1	74.0	H	-13.4
3305.500000	39.8	34.2	74.0	H	-7.6
4960.000000	51.3	22.7	74.0	H	-4.8
10254.500000	48.6	25.4	74.0	H	5.8

Date: 2/21/2010 - Time: 6:31:45 PM

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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1653.000000	27.5	26.5	54.0	H	-13.4
3305.500000	26.7	27.3	54.0	H	-7.6
4960.000000	33.4	20.6	54.0	H	-4.8
10254.500000	35.2	18.8	54.0	H	5.8

Date: 2/21/2010 - Time: 6:31:45 PM

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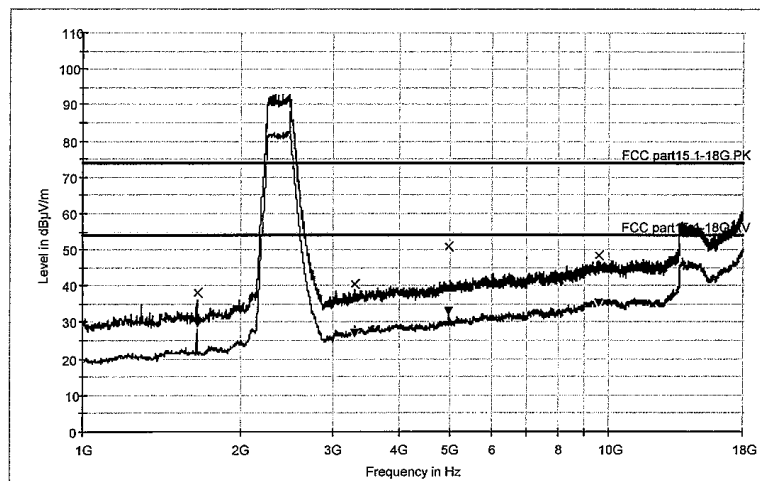
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 1GHz - 18GHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Margin (dB)	Limit (dB µ V/m)	Polarity	Corr. (dB)
1653.000000	38.0	36.0	74.0	V	-13.4
3305.500000	40.5	33.5	74.0	V	-7.6
4960.000000	50.7	23.3	74.0	V	-4.8
9551.000000	48.5	25.5	74.0	V	5.6

Date: 2/21/2010 - Time: 6:37:43 PM

Tested by:



Reviewed by:



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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1653.000000	29.7	24.3	54.0	V	-13.4
3305.500000	27.2	26.8	54.0	V	-7.6
4960.000000	32.8	21.2	54.0	V	-4.8
9551.000000	35.2	18.8	54.0	V	5.6

Date: 2/21/2010 - Time: 6:37:43 PM

Tested by:



Reviewed by:



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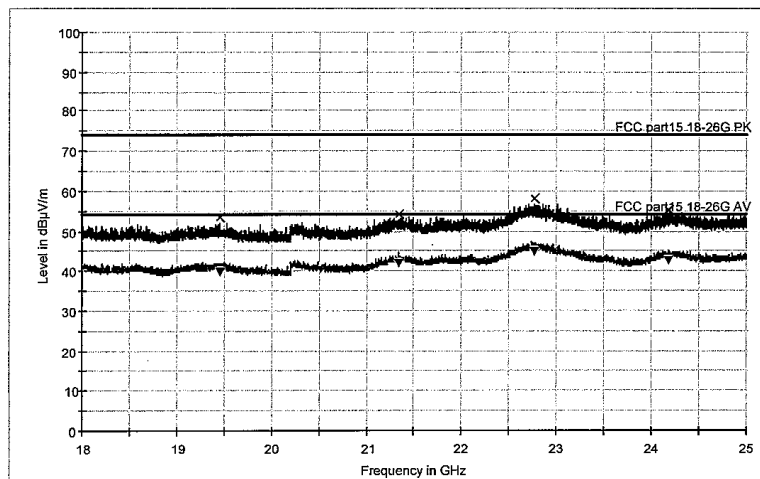
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 18GHz - 25GHz
Receiver: TUV FSP 30
Transducer: TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
19461.000000	53.3	6.4	20.7	74.0	H
21337.000000	54.2	7.5	19.8	74.0	H
22766.000000	58.0	10.4	16.0	74.0	H
24181.000000	55.4	7.6	18.6	74.0	H

Date: 2/21/2010 - Time: 8:48:46 PM

Tested by:



Reviewed by:



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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarity
19461.000000	39.8	6.4	14.2	54.0	H
21337.000000	41.7	7.5	12.3	54.0	H
22766.000000	44.7	10.4	9.3	54.0	H
24181.000000	42.8	7.6	11.2	54.0	H

Date: 2/21/2010 - Time: 8:48:46 PM

Tested by: _____



Reviewed by: _____



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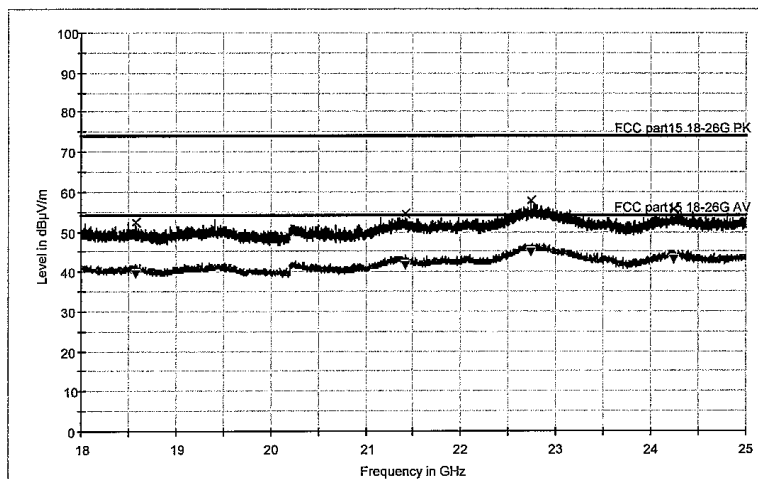
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Low channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 18GHz - 25GHz
Receiver: TUV FSP 30
Transducer: TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
18584.500000	52.4	5.7	21.6	74.0	V
21424.000000	54.4	7.6	19.6	74.0	V
22736.500000	57.9	10.4	16.1	74.0	V
24246.500000	55.6	7.6	18.4	74.0	V

Date: 2/21/2010 - Time: 8:52:58 PM

Tested by:



Reviewed by:



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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarity
18584.500000	39.4	5.7	14.6	54.0	V
21424.000000	41.5	7.6	12.5	54.0	V
22736.500000	44.6	10.4	9.4	54.0	V
24246.500000	42.9	7.6	11.1	54.0	V

Date: 2/21/2010 - Time: 8:52:58 PM

Tested by:



Reviewed by:



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EMC Test Service Hotline: +86-20-28391188

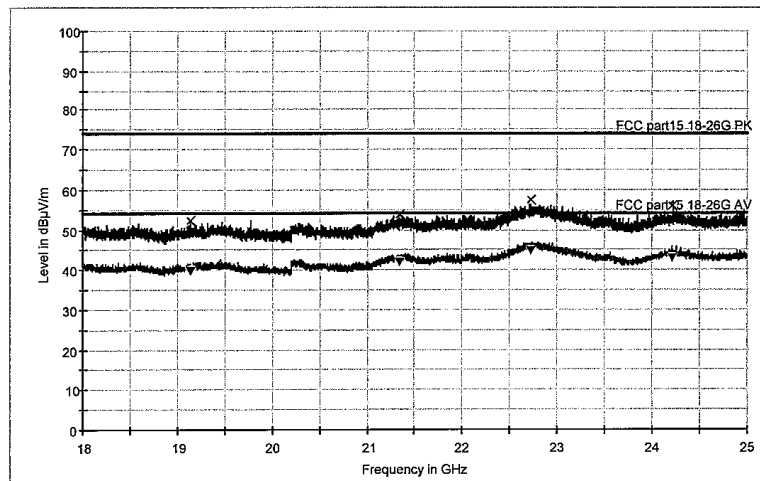
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 18GHz - 25GHz
Receiver: TUV FSP 30
Transducer: TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
19133.000000	52.5	6.3	21.5	74.0	H
21343.500000	54.0	7.5	20.0	74.0	H
22720.500000	57.3	10.5	16.7	74.0	H
24216.000000	55.9	7.6	18.1	74.0	H

Date: 2/21/2010 - Time: 8:45:01 PM

Tested by:



Reviewed by:



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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarity
19133.000000	39.6	6.3	14.4	54.0	H
21343.500000	41.7	7.5	12.3	54.0	H
22720.500000	44.6	10.5	9.4	54.0	H
24216.000000	43.0	7.6	11.0	54.0	H

Date: 2/21/2010 - Time: 8:45:01 PM

Tested by:



Reviewed by:



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EMC Test Service Hotline: +86-20-28391188

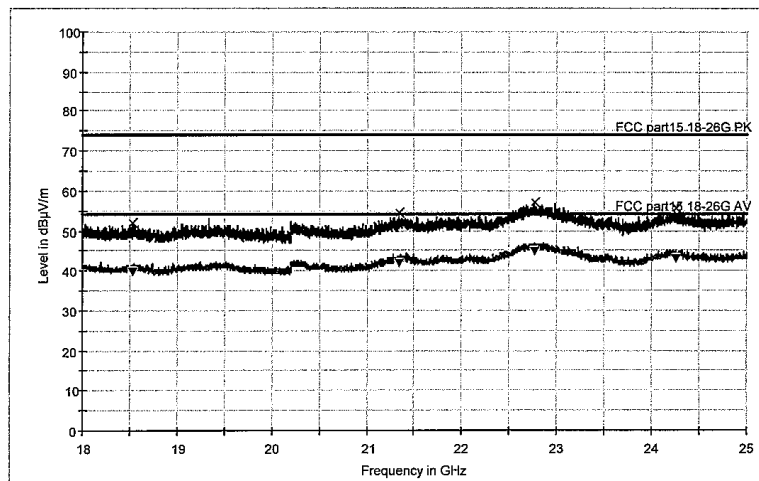
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ Mid channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. : DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 18GHz - 25GHz
Receiver: TUV FSP 30
Transducer: TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
18536.500000	51.8	5.6	22.2	74.0	V
21334.500000	54.5	7.5	19.5	74.0	V
22770.500000	57.1	10.4	16.9	74.0	V
24254.500000	55.6	7.6	18.4	74.0	V

Date: 2/21/2010 - Time: 8:40:43 PM

Tested by:



Reviewed by:



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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarity
18536.500000	39.6	5.6	14.4	54.0	V
21334.500000	41.7	7.5	12.3	54.0	V
22770.500000	44.7	10.4	9.3	54.0	V
24254.500000	42.9	7.6	11.1	54.0	V

Date: 2/21/2010 - Time: 8:40:43 PM

Tested by:



Reviewed by:



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EMC Test Service Hotline: +86-20-28391188

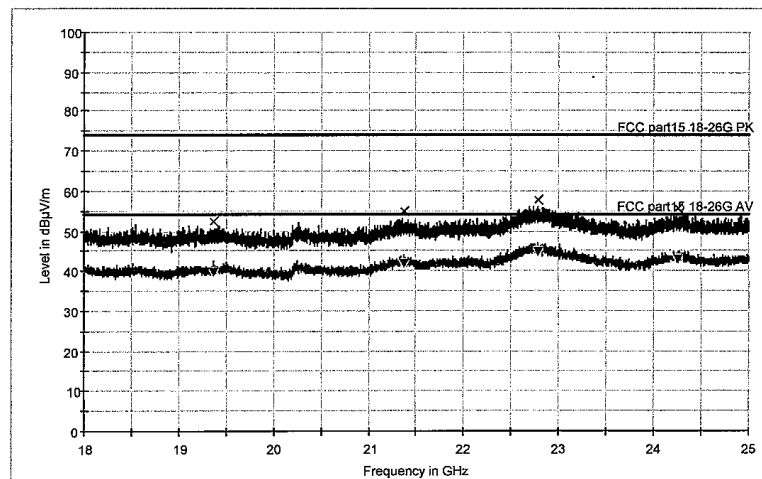
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Horizontal

Subrange 1

Frequency Range: 18GHz - 25GHz
Receiver: TUV FSP 30
Transducer: TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
19370.000000	52.3	6.4	21.7	74.0	H
21364.500000	54.7	7.5	19.3	74.0	H
22788.000000	57.8	10.3	16.2	74.0	H
24254.500000	55.7	7.6	18.3	74.0	H

Date: 2/21/2010 - Time: 8:31:30 PM

Tested by:



Reviewed by:



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EMC Test Service Hotline: +86-20-28391188

Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarity
19370.000000	39.8	6.4	14.2	54.0	H
21364.500000	41.8	7.5	12.2	54.0	H
22788.000000	44.7	10.3	9.3	54.0	H
24254.500000	43.0	7.6	11.0	54.0	H

Date: 2/21/2010 - Time: 8:31:30 PM

Tested by:



Reviewed by:



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EMC Test Service Hotline: +86-20-28391188

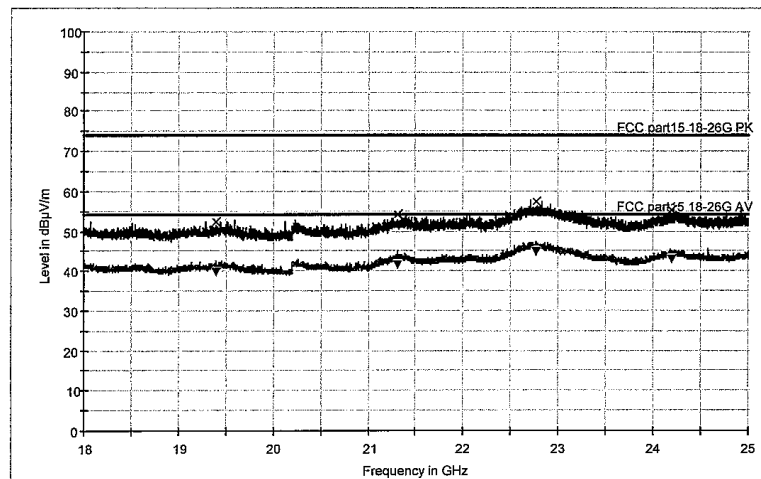
EMC Test Record (EMISSION)

Test Information

Manufacturer: K-Mate
Test Item: Bluetooth headset
Identification: BH501C
Test Standard: FCC Part 15.209
Test Detail: RE
Operation Mode: Tx @ High channel
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq.: DC 3.7V by battery
Receipt No.: 173050872 200
Report No.: 16022125 001
Result: Pass
Comment: Vertical

Subrange 1

Frequency Range: 18GHz - 25GHz
Receiver: TUV FSP 30
Transducer: TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µ V/m)	Corr. (dB)	Margin (dB)	Limit (dB µ V/m)	Polarity
19399.000000	52.4	6.4	21.6	74.0	V
21314.500000	54.1	7.5	19.9	74.0	V
22761.000000	57.4	10.4	16.6	74.0	V
24190.500000	55.3	7.6	18.7	74.0	V

Date: 2/21/2010 - Time: 8:36:39 PM

Tested by:



Reviewed by:



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Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarity
19399.000000	39.8	6.4	14.2	54.0	V
21314.500000	41.7	7.5	12.3	54.0	V
22761.000000	44.6	10.4	9.4	54.0	V
24190.500000	42.8	7.6	11.2	54.0	V

Date: 2/21/2010 - Time: 8:36:39 PM

Tested by:



Reviewed by:



Prüfbericht - Nr.:

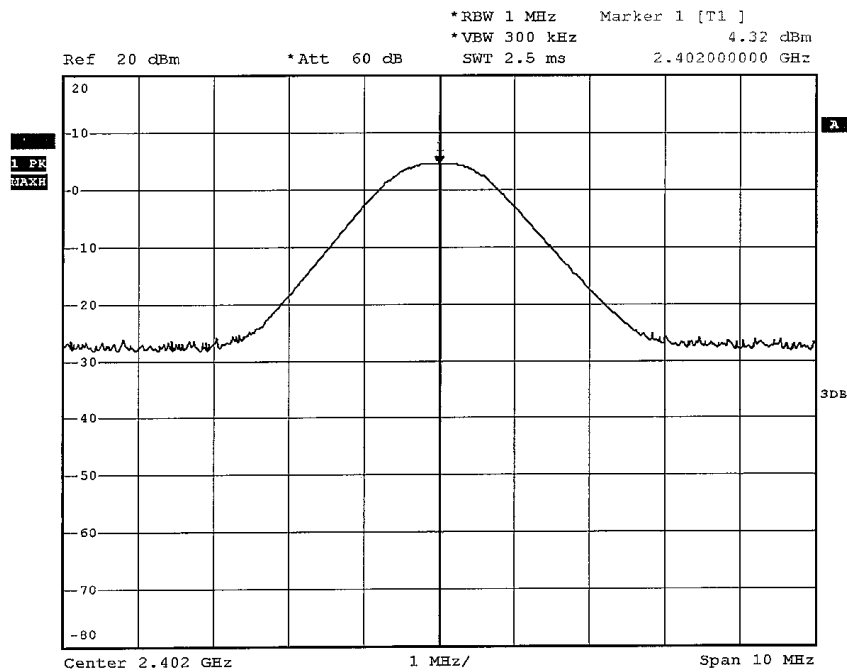
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Maximum Peak Output Power



Date: 3.MAR.2010 05:17:56



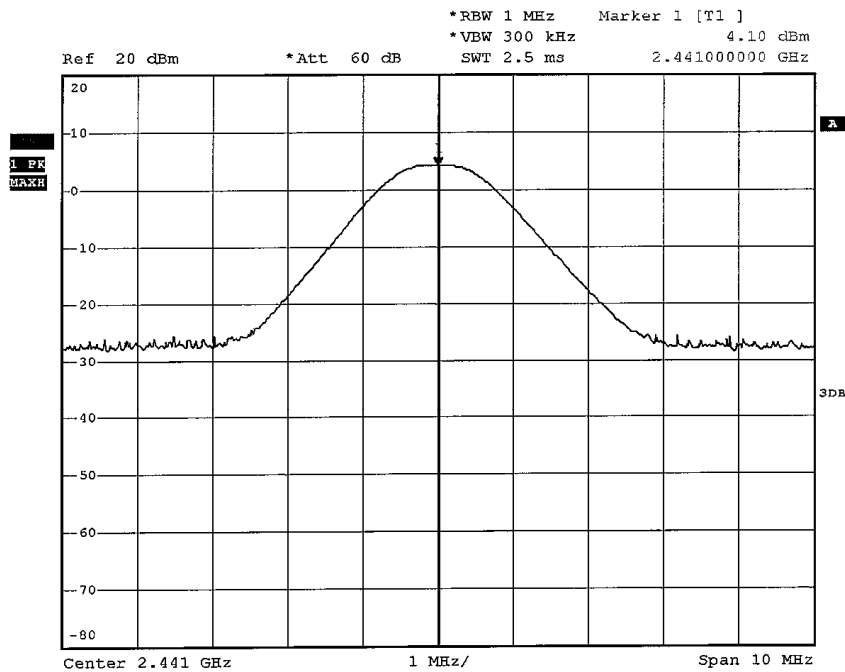
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Date: 3.MAR.2010 05:19:47



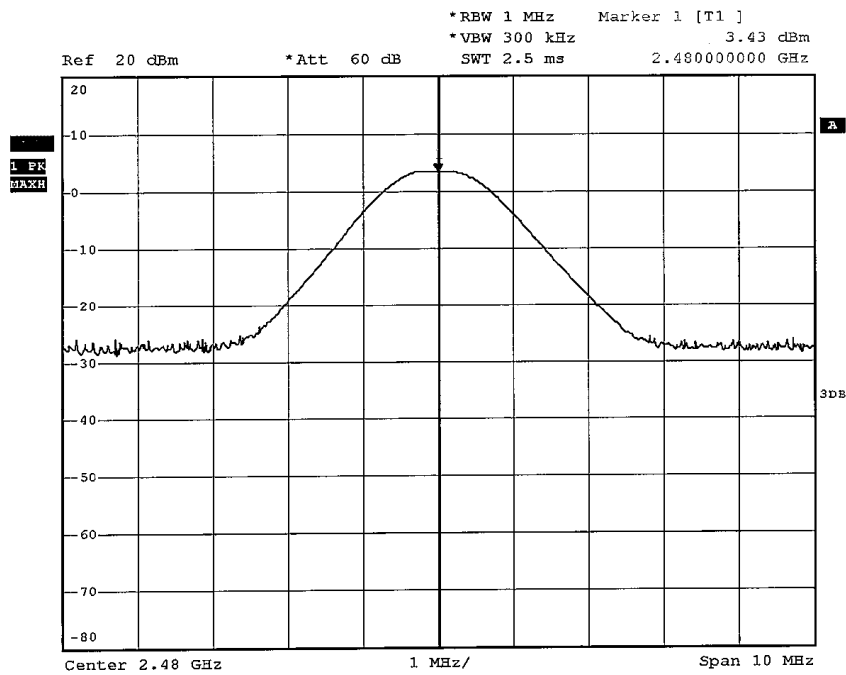
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Date: 3.MAR.2010 05:20:25

Prüfbericht - Nr.:

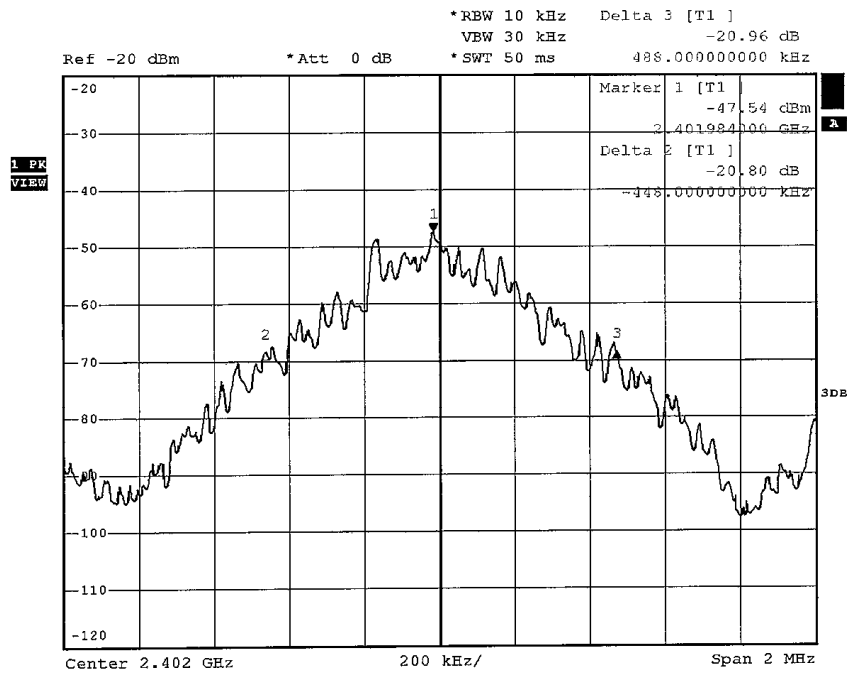
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20 dB Bandwidth.



Date: 2.MAR.2010 04:23:26



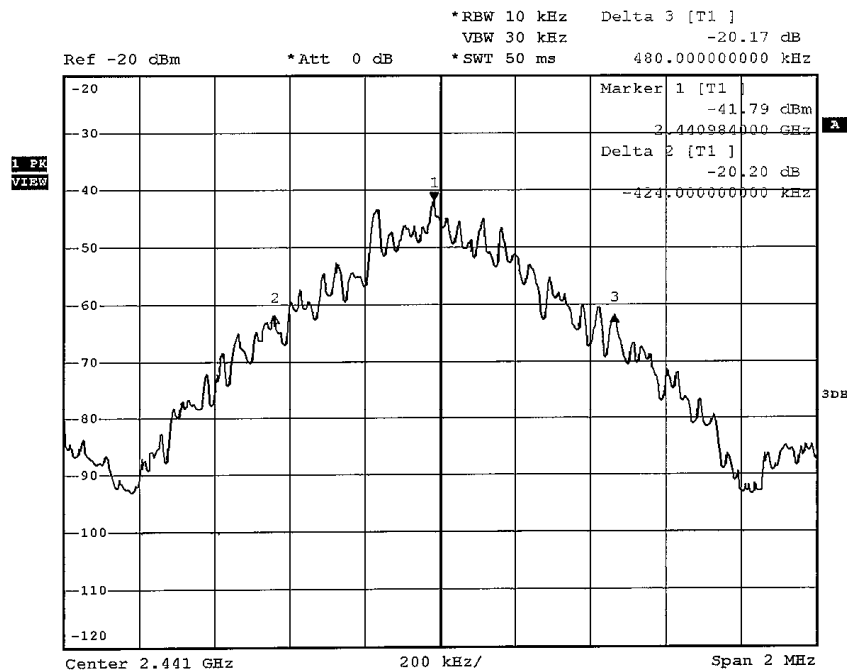
Prüfbericht - Nr.:

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Date: 2.MAR.2010 04:21:02



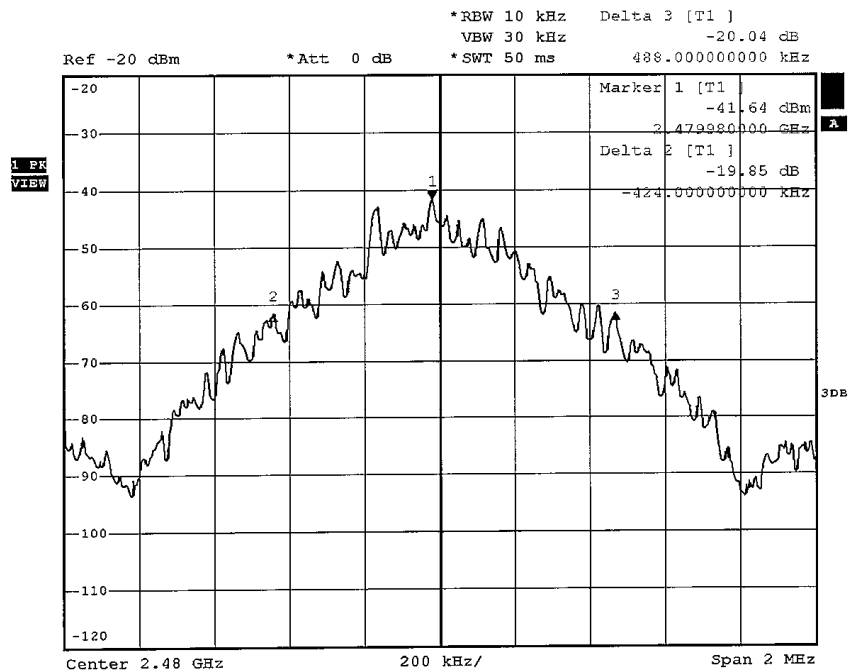
Prüfbericht - Nr.:

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Date: 2.MAR.2010 04:25:24



Prüfbericht - Nr.:

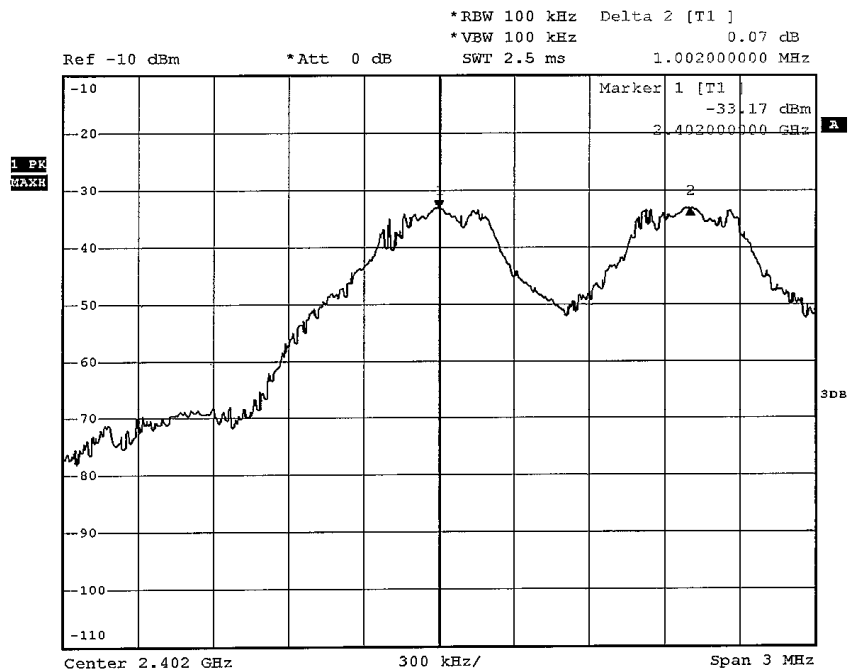
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Hopping Channel Carrier Frequency Separation.



Date: 3.MAR.2010 03:21:27



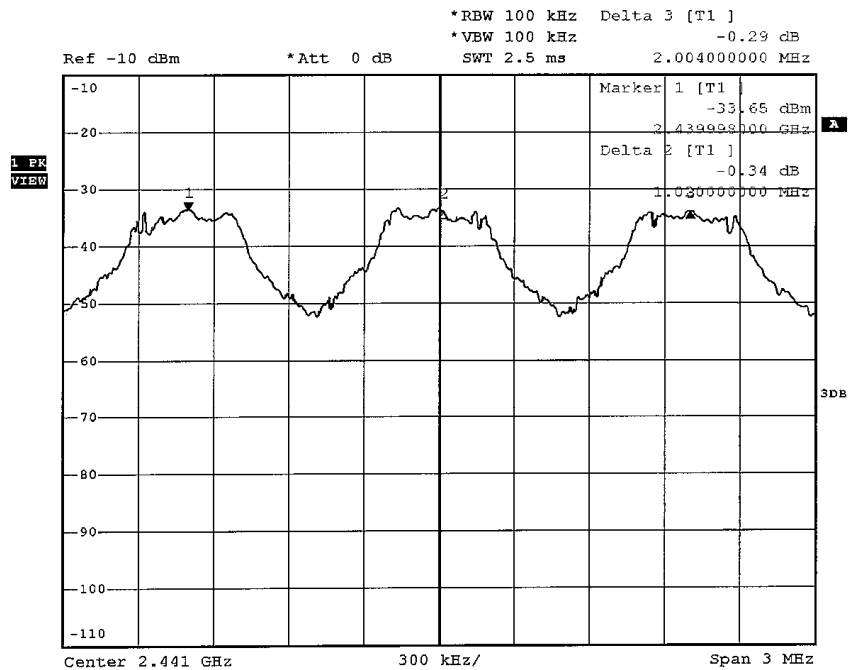
Prüfbericht - Nr.:

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Date: 3.MAR.2010 03:26:31



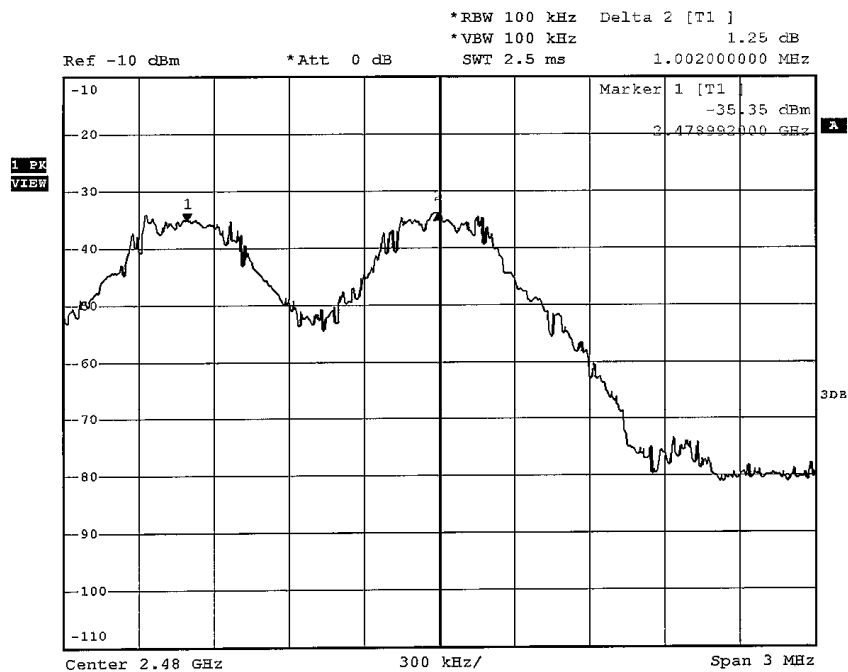
Prüfbericht - Nr.:

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Date: 3.MAR.2010 03:34:25



Prüfbericht - Nr.:

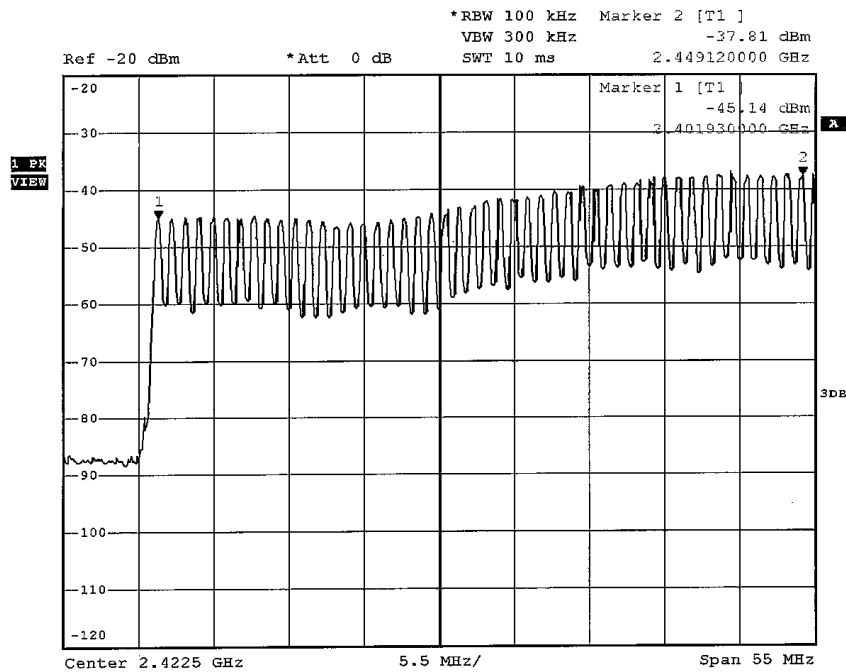
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Number of Hopping Frequency Used.



Date: 2.MAR.2010 05:10:18



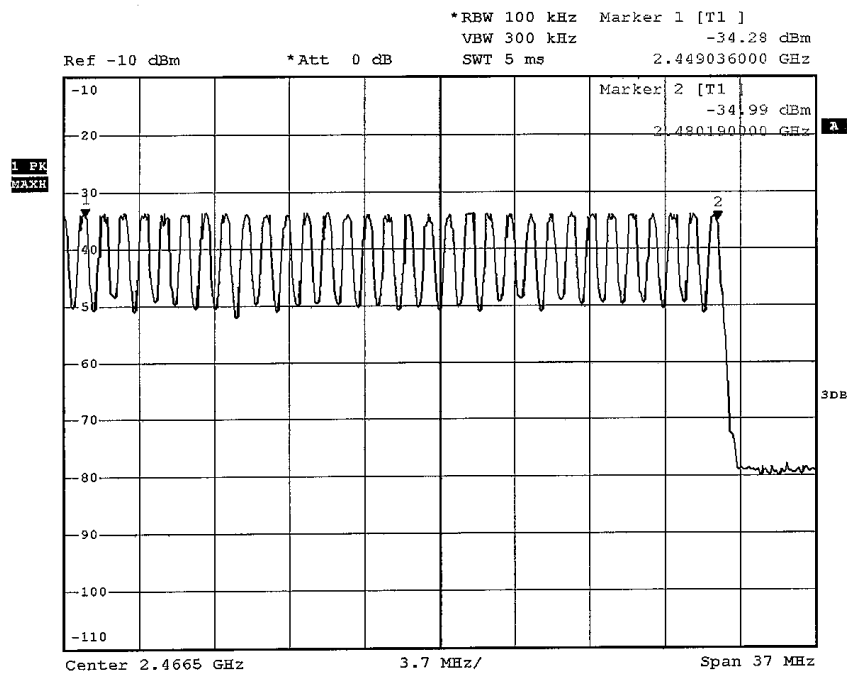
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Date: 3.MAR.2010 03:14:10



Prüfbericht - Nr.:

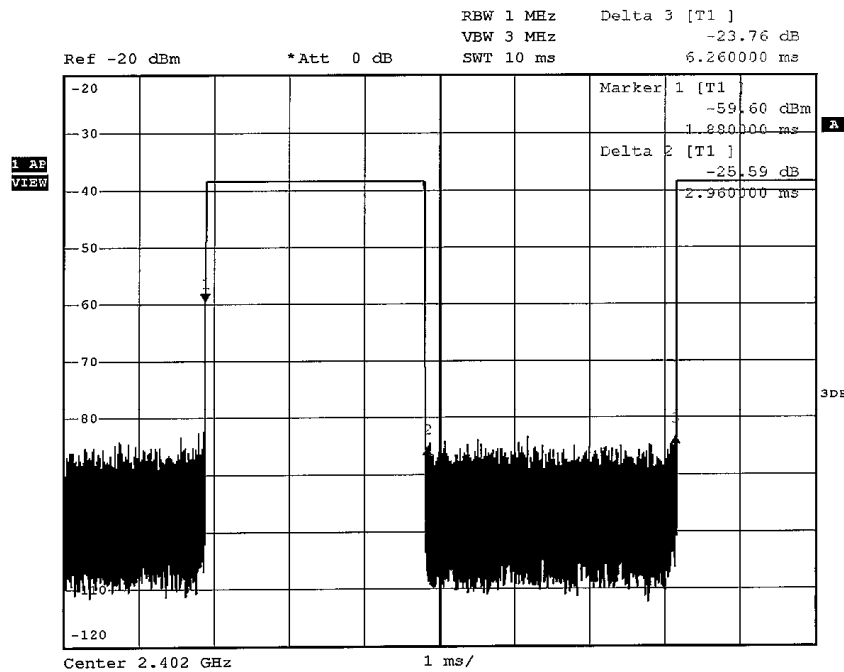
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Dwell Time



Date: 3.MAR.2010 04:34:13



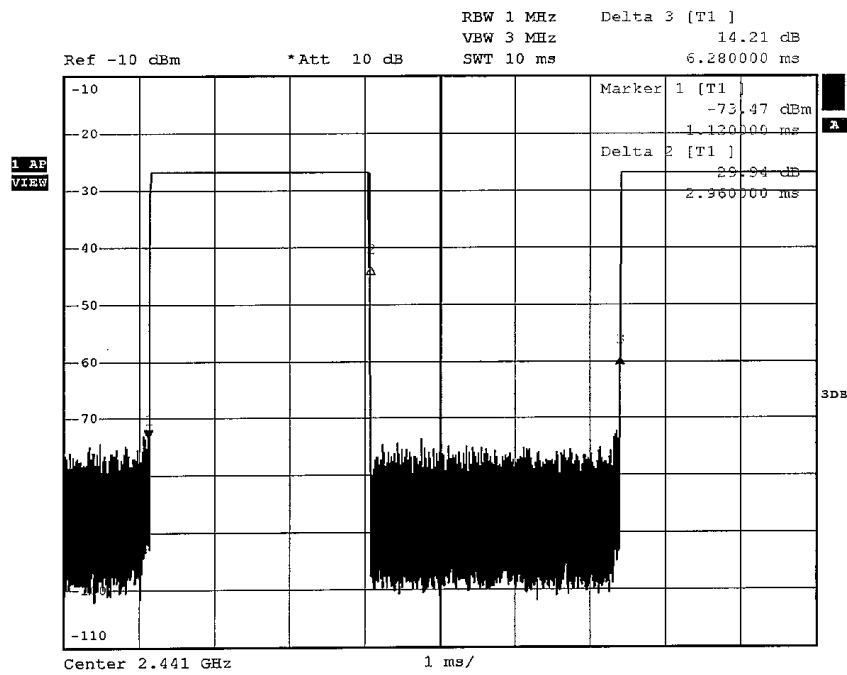
Prüfbericht - Nr.:

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Date: 3.MAR.2010 04:02:12



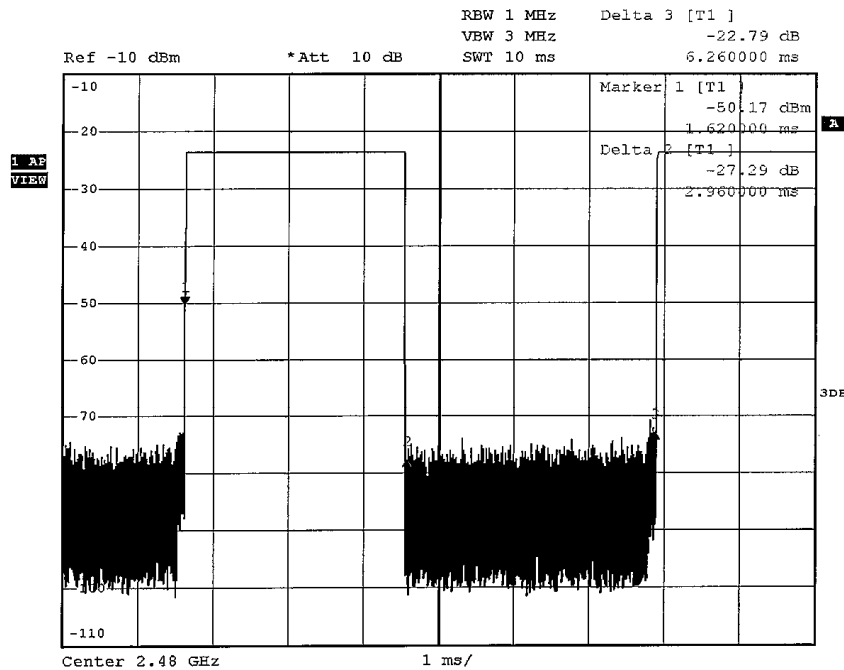
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Date: 3.MAR.2010 04:04:35



Prüfbericht - Nr.:

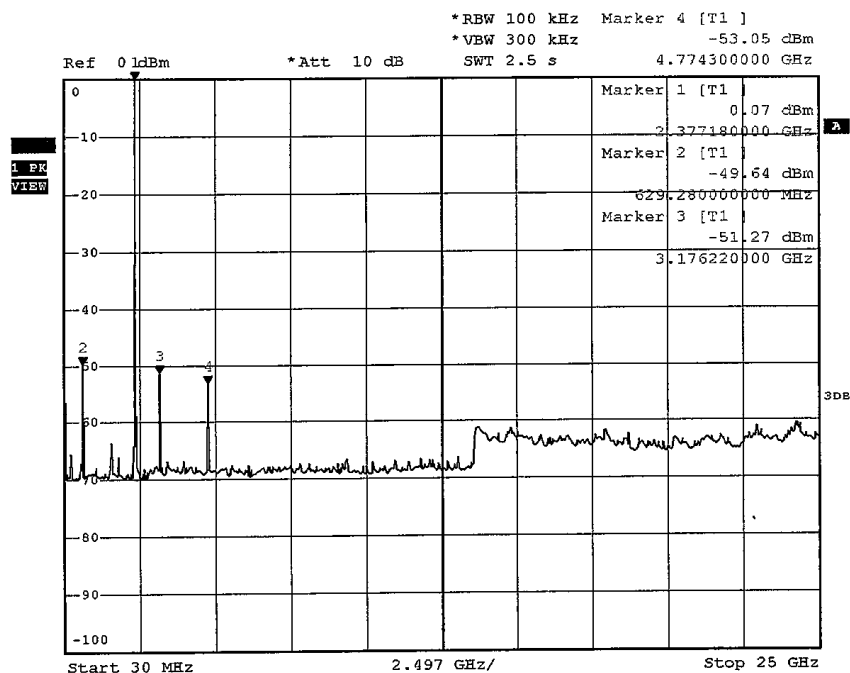
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Out-of-Band Emission measurement



Date: 3.MAR.2010 04:58:31

Note: The scanned span is 2:49GHz/space, it will cause some deviation between the display frequency and the actual frequency, like the 2.377GHz on above plot. The actual carrier frequency is 2.402GHz, If the scanned span be set to 10MHz or 100MHz, the display frequency is exact = 2.402GHz.



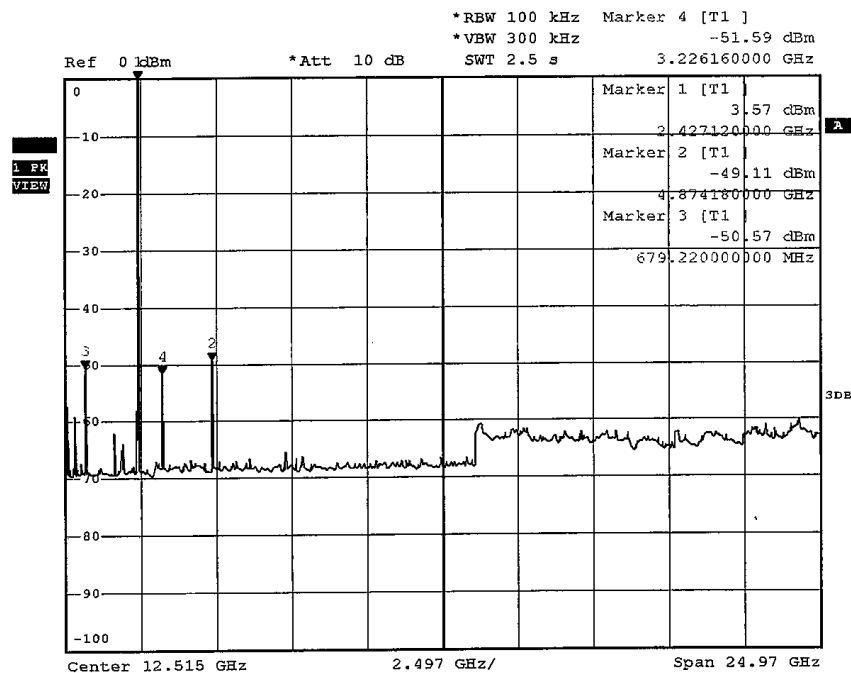
Prüfbericht - Nr.:

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Date: 3.MAR.2010 05:02:51

Note: The scanned span is 2.49GHz/space, it will cause some deviation between the display frequency and the actual frequency, like the 2.427GHz on above plot. The actual carrier frequency is 2.441GHz, If the scanned span be set to 10MHz or 100MHz, the display frequency is exact = 2.441GHz.



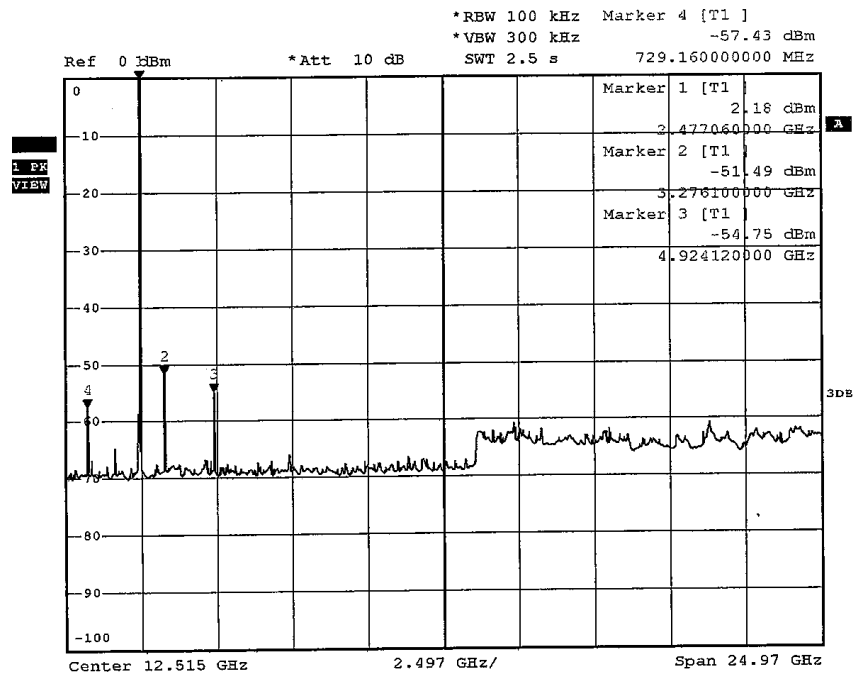
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Date: 3.MAR.2010 05:03:56

Note: The scanned span is 2.49GHz/space, it will cause some deviation between the display frequency and the actual frequency, like the 2.477GHz on above plot. The actual carrier frequency is 2.480GHz, If the scanned span be set to 10MHz or 100MHz, the display frequency is exact = 2.480GHz.



Prüfbericht - Nr.:

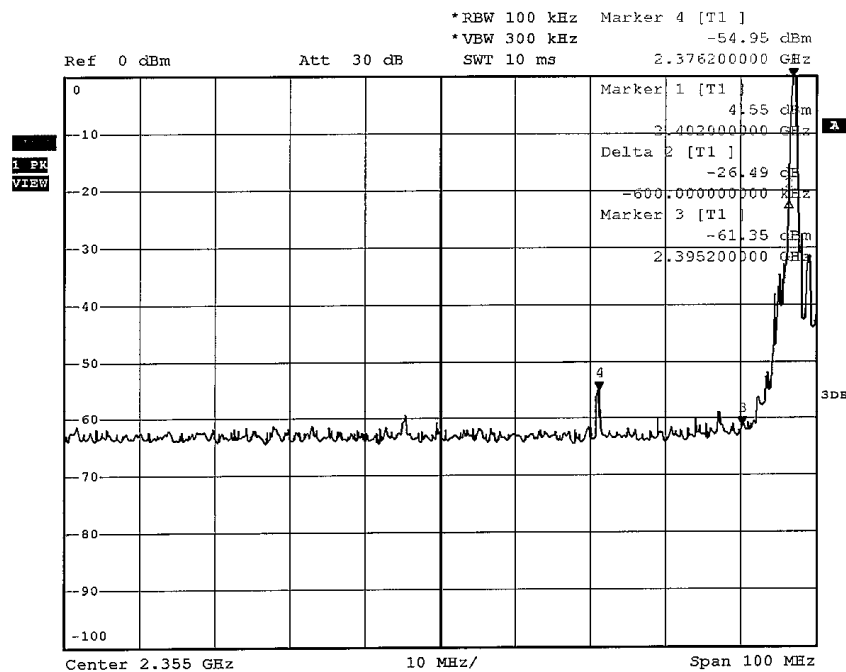
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Band Edges Emission in the Restricted Bands.



Date: 3.MAR.2010 05:11:43



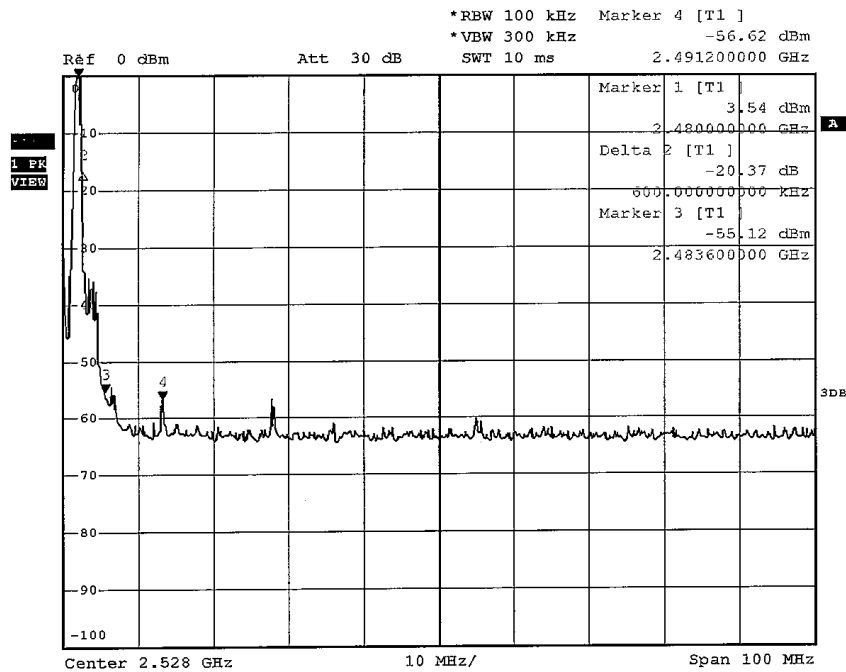
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Date: 3.MAR.2010 05:09:02



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

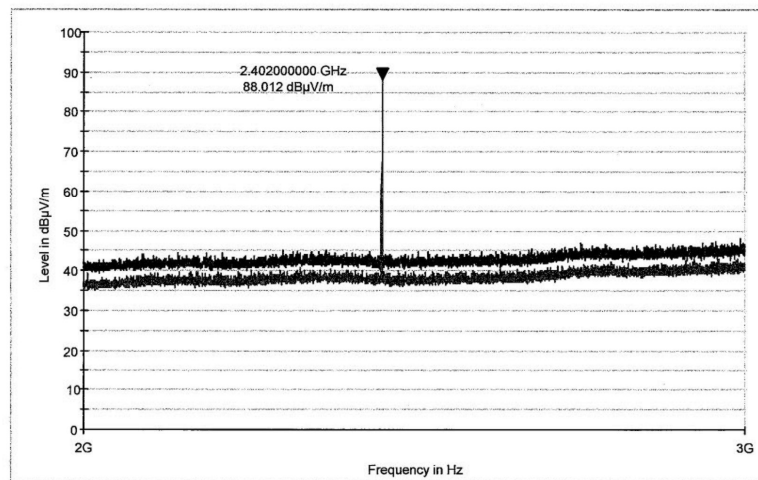
EMC Test Record (EMISSION)

Test Information

Manufacturer:	K-Mate
Test Item:	Bluetooth headset
Identification:	BH501C
Test Standard:	FCC Part 15
Test Detail:	RE
Operation Mode:	Tx @ Low channel
Climate Condition:	23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. :	DC 3.7V by battery
Receipt No.:	173050872 200
Report No.:	16022125 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	2GHz - 3GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 3/16/2010 - Time: 11:45:40 PM

Tested by:



Reviewed by:



Prüfbericht - Nr.:

16022125 001

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Test Report no.

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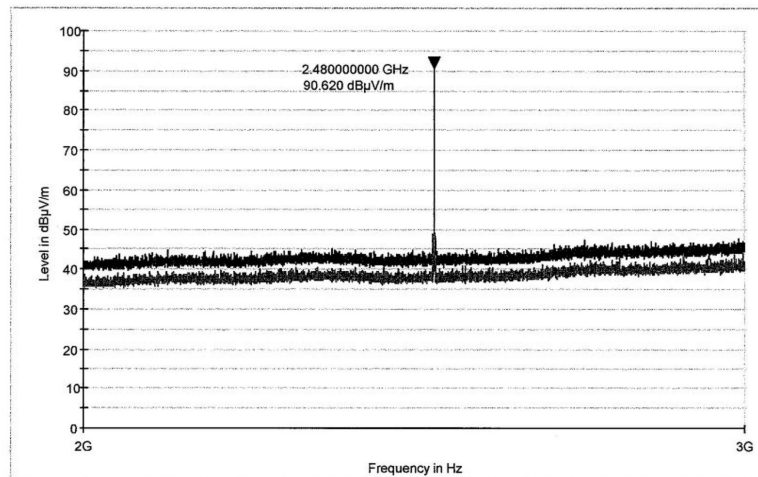
EMC Test Record (EMISSION)

Test Information

Manufacturer:	K-Mate
Test Item:	Bluetooth headset
Identification:	BH501C
Test Standard:	FCC Part 15
Test Detail:	RE
Operation Mode:	Tx @ High channel
Climate Condition:	23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. :	DC 3.7V by battery
Receipt No.:	173050872 200
Report No.:	16022125 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	2GHz - 3GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 3/16/2010 - Time: 11:54:40 PM

Tested by:



Reviewed by:

