

Test Graph of Spurious emission of A.3 – Vertical

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

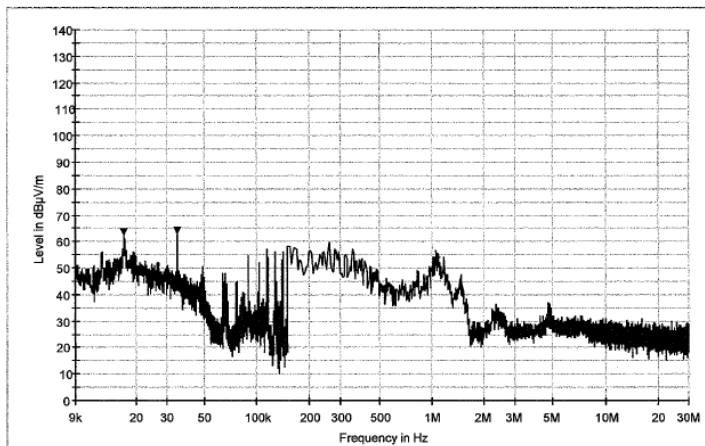
EMC Test Record (EMISSION)

Test Information

Manufacturer: Sunitec Enterprise Co.,Ltd.
 Test Item: Bluetooth Speakerphone
 Identification: BC962S
 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 via battery
 Receipt No.: 163060925 100
 Report No. 17015434 001
 Result:
 Comment: Vertical

Subrange 1

Frequency Range: 9kHz - 30MHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC Active Loop Antenna HFH2-Z2 / TUV ESCI3 -TUV SAC Active Loop Antenna HFH2-Z2



Result Table Single

Frequency (MHz)	QuasiPeak (dB µ V/m)	Average (dB µ V/m)	Polarity	Corr. (dB)
0.017160	---	63.9	V	20.7
0.034840	---	64.1	V	20.3
1.062000	54.0	---	V	20.4
4.730000	31.5	---	V	21.8

Date: 3/22/2010 - Time: 8:33:03 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

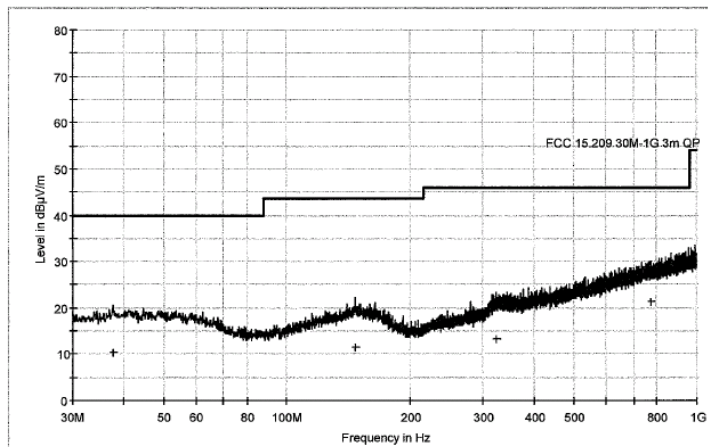
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
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 via battery
Receipt No.:	163060925 100
Report No.	17015434 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	10.5	14.4	29.5	40.0	V
146.800000	11.5	15.4	32.0	43.5	V
324.900000	13.2	15.8	32.8	46.0	V
772.700000	21.5	24.3	24.5	46.0	V

Date: 3/22/2010 - Time: 10:24:42 PM

Tested by:



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EMC Test Service Hotline: +86-20-28391188

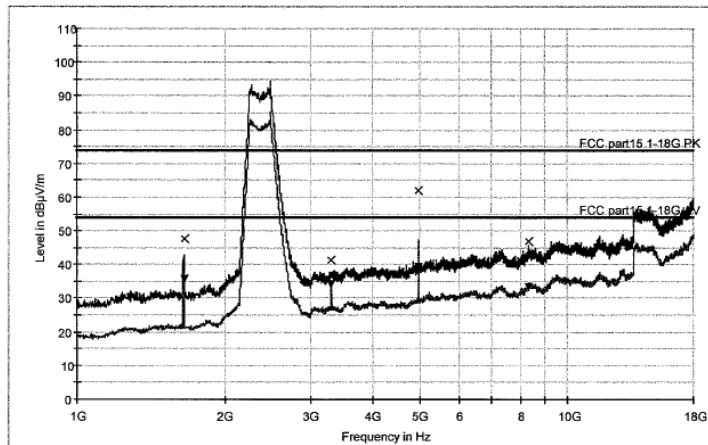
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification:	BC962S
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 via battery
Receipt No.:	163060925 100
Report No.	17015434 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)
1652.500000	47.8	26.2	74.0	V	-13.6
3305.500000	41.3	32.7	74.0	V	-8.0
4960.000000	62.1	11.9	74.0	V	-5.8
8346.000000	46.7	27.3	74.0	V	2.0

Date: 3/30/2010 - Time: 7:21:15 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1652.500000	35.8	18.2	54.0	V	-13.6
3305.500000	34.1	19.9	54.0	V	-8.0
4980.000000	39.2	14.8	54.0	V	-5.8
8346.000000	33.2	20.8	54.0	V	2.0

Date: 3/30/2010 - Time: 7:21:15 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

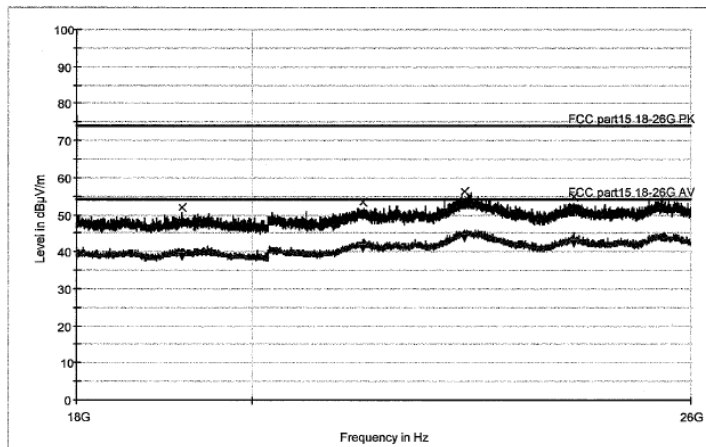
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
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 via battery
Receipt No.:	163060925 100
Report No.	17015434 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	18GHz - 26GHz
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
19186.000000	52.0	6.4	22.0	74.0	V
21362.000000	53.5	7.5	20.5	74.0	V
22710.000000	56.2	10.5	17.8	74.0	V
24241.000000	54.8	7.6	19.2	74.0	V

Date: 3/22/2010 - Time: 6:21:10 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
19186.000000	38.8	6.4	15.2	54.0	V
21362.000000	40.9	7.5	13.1	54.0	V
22710.000000	43.8	10.5	10.2	54.0	V
24241.000000	42.3	7.6	11.7	54.0	V

Date: 3/22/2010 - Time: 6:21:10 PM

 Tested by: 

 Reviewed by: 

Test Graph of Spurious emission of B – Horizontal

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

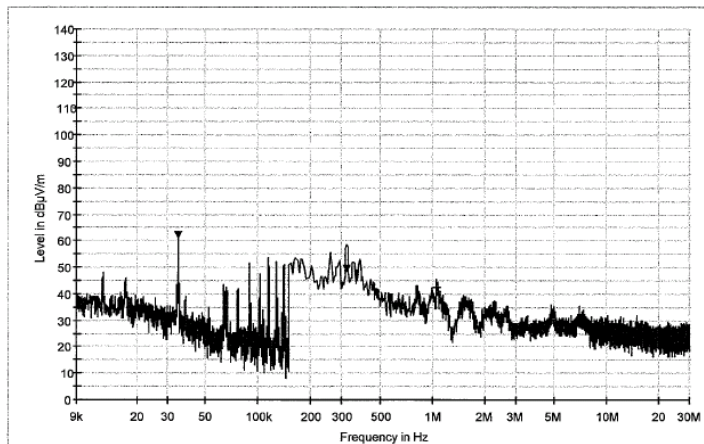
EMC Test Record (EMISSION)

Test Information

Manufacturer: Sunitec Enterprise Co.,Ltd.
 Test Item: Bluetooth Speakerphone
 Identification: BC962S
 Test Standard: FCC Part 15
 Test Detail: RE
 Operation Mode: Rx @ Mid channel
 Climate Condition: 23 °C; 50 %RH; 101 kPa.
 Test Voltage / Freq. : DC 3.7V via battery
 Receipt No.: 163060925 100
 Report No.: 17015434 001
 Result:
 Comment: Horizontal

Subrange 1

Frequency Range: 9kHz - 30MHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC Active Loop Antenna HFH2-Z2 / TUV ESCI3 -TUV SAC
 Active Loop Antenna HFH2-Z2



Result Table Single

Frequency (MHz)	QuasiPeak (dB µ V/m)	Average (dB µ V/m)	Polarity	Corr. (dB)
0.034840	---	62.4	H	20.3
0.322000	---	49.7	H	20.9
1.062000	42.7	---	H	20.4
4.786000	30.4	---	H	21.8

Date: 3/22/2010 - Time: 8:55:17 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

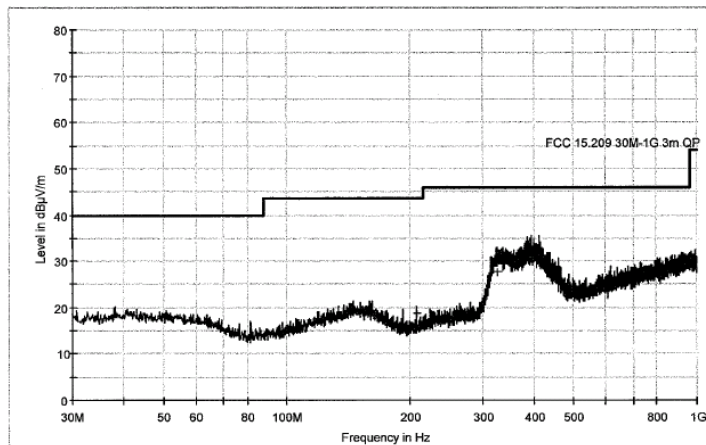
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
Test Standard:	FCC Part 15
Test Detail:	RE
Operation Mode:	Rx @ Mid channel
Climate Condition:	23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. :	DC 3.7V via battery
Receipt No.:	163060925 100
Report No.	17015434 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	18.1	15.6	25.4	43.5	H
208.000000	18.9	11.8	24.6	43.5	H
326.700000	27.8	15.8	18.2	46.0	H
394.700000	30.6	17.2	15.4	46.0	H

Date: 3/22/2010 - Time: 10:54:56 PM

Tested by:



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EMC Test Service Hotline: +86-20-28391188

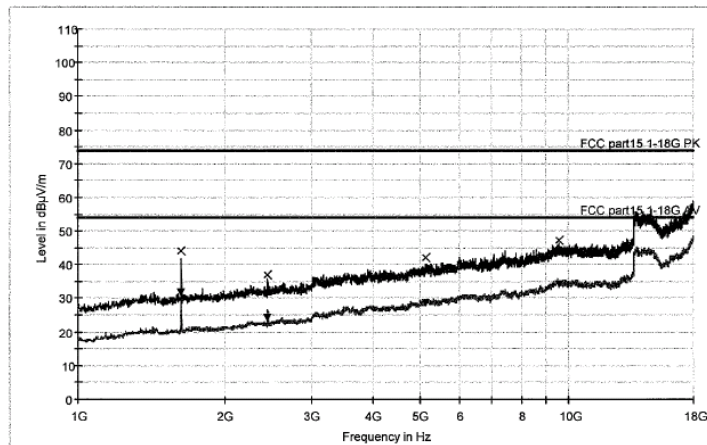
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
Test Standard:	FCC Part 15
Test Detail:	RE
Operation Mode:	Rx @ Mid channel
Climate Condition:	23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. :	DC 3.7V via battery
Receipt No.:	163060925 100
Report No.	17015434 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	44.1	29.9	74.0	H	-14.7
2441.000000	36.8	37.2	74.0	H	-12.1
5124.500000	42.2	31.8	74.0	H	-5.5
9546.500000	47.3	26.7	74.0	H	4.8

Date: 3/23/2010 - Time: 8:01:49 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)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1627.000000	31.7	22.3	54.0	H	-14.7
2441.000000	24.3	29.7	54.0	H	-12.1
5124.500000	28.5	25.5	54.0	H	-5.5
9546.500000	34.3	19.7	54.0	H	4.8

Date: 3/23/2010 - Time: 8:01:49 PM

Tested by:



Reviewed by:



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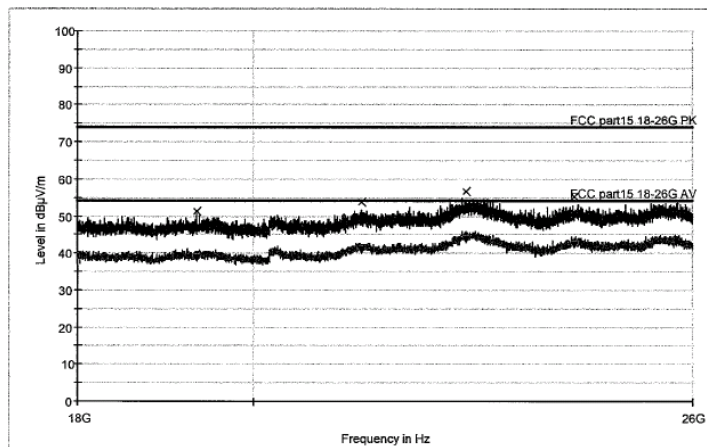
EMC Test Record (EMISSION)

Test Information

Manufacturer: Sunitec Enterprise Co.,Ltd.
 Test Item: Bluetooth Speakerphone
 Identification: BC962S
 Test Standard: FCC Part 15
 Test Detail: RE
 Operation Mode: Rx @ Mid channel
 Climate Condition: 23 °C; 50 %RH; 101 kPa.
 Test Voltage / Freq.: DC 3.7V via battery
 Receipt No.: 163060925 100
 Report No.: 17015434 001
 Result: Pass
 Comment: Horizontal

Subrange 1

Frequency Range: 18GHz - 26GHz
 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
19340.000000	51.3	6.4	22.7	74.0	H
21331.000000	53.8	7.5	20.2	74.0	H
22709.000000	56.9	10.5	17.1	74.0	H
24222.000000	55.3	7.6	18.7	74.0	H

Date: 3/22/2010 - Time: 6:38:53 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

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
19340.000000	38.7	6.4	15.3	54.0	H
21331.000000	40.9	7.5	13.1	54.0	H
22709.000000	43.7	10.5	10.3	54.0	H
24222.000000	42.3	7.6	11.7	54.0	H

Date: 3/22/2010 - Time: 6:38:53 PM

Tested by:



Reviewed by:



Test Graph of Spurious emission of B – Vertical

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

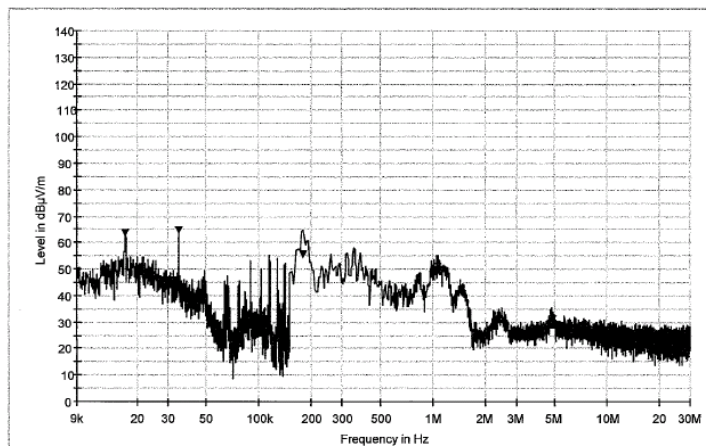
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification:	BC962S
Test Standard:	FCC Part 15
Test Detail:	RE
Operation Mode:	Rx @ Mid channel
Climate Condition:	23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. :	DC 3.7V via battery
Receipt No.:	163060925 100
Report No.	17015434 001
Result:	
Comment:	Vertical

Subrange 1

Frequency Range:	9kHz - 30MHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC Active Loop Antenna HFH2-Z2 / TUV ESCI3 -TUV SAC Active Loop Antenna HFH2-Z2



Result Table Single

Frequency (MHz)	QuasiPeak (dB µ V/m)	Average (dB µ V/m)	Polarity	Corr. (dB)
0.017160	---	63.7	V	20.7
0.034840	---	64.5	V	20.3
0.178000	---	55.7	V	20.9
1.058000	52.1	---	V	20.4
4.766000	32.1	---	V	21.8

Date: 3/22/2010 - Time: 8:48:52 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

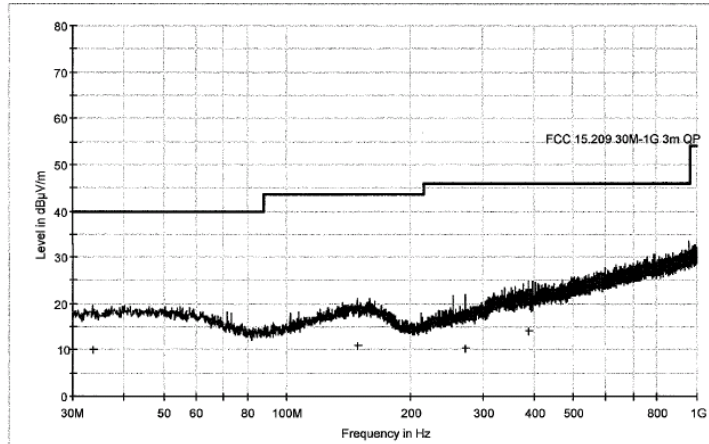
EMC Test Record (EMISSION)

Test Information

Manufacturer: Sunitec Enterprise Co.,Ltd.
 Test Item: Bluetooth Speakerphone
 Identification: BC962S
 Test Standard: FCC Part 15
 Test Detail: RE
 Operation Mode: Rx @ Mid channel
 Climate Condition: 23 °C; 50 %RH; 101 kPa.
 Test Voltage / Freq.: DC 3.7V via battery
 Receipt No.: 163060925 100
 Report No.: 17015434 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
33.500000	10.1	14.0	29.9	40.0	V
148.500000	11.0	15.6	32.5	43.5	V
272.200000	10.5	14.2	35.5	46.0	V
388.400000	14.2	17.1	31.8	46.0	V

Date: 3/22/2010 - Time: 10:50:45 PM

Tested by:



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EMC Test Service Hotline: +86-20-28391188

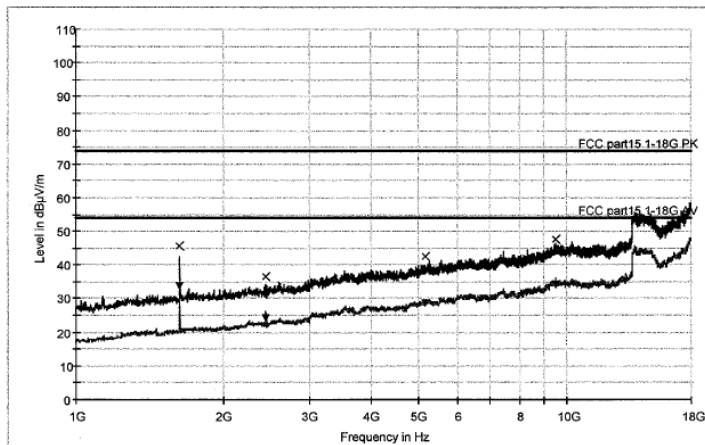
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
Test Standard:	FCC Part 15
Test Detail:	RE
Operation Mode:	Rx @ Mid channel
Climate Condition:	23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. :	DC 3.7V via battery
Receipt No.:	163060925 100
Report No.	17015434 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	45.6	28.4	74.0	V	-14.7
2441.000000	36.6	37.4	74.0	V	-12.1
5165.000000	42.4	31.6	74.0	V	-5.1
9521.000000	47.6	26.4	74.0	V	4.5

Date: 3/23/2010 - Time: 8:06:51 PM

 Tested by: 

 Reviewed by: 


TUV Rheinland (Guangdong) Ltd.


EMC Test Service Hotline: +86-20-28391188

Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Polarity	Corr. (dB)
1627.000000	33.6	20.4	54.0	V	-14.7
2441.000000	24.2	29.8	54.0	V	-12.1
5165.000000	28.6	25.4	54.0	V	-5.1
9521.000000	34.2	19.8	54.0	V	4.5

Date: 3/23/2010 - Time: 8:06:51 PM

 Tested by: 

 Reviewed by: 

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

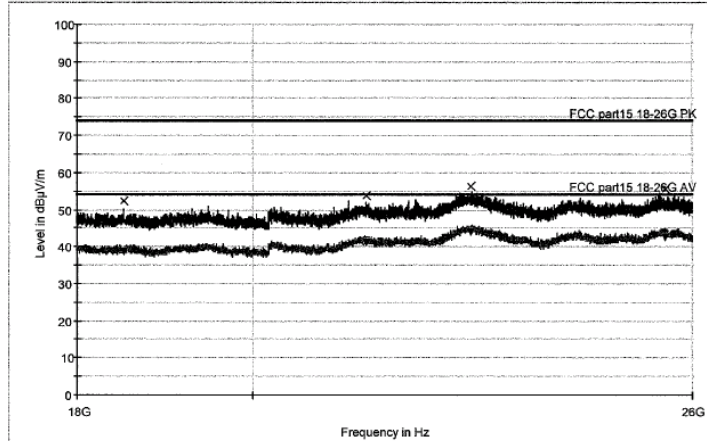
EMC Test Record (EMISSION)

Test Information

Manufacturer: Sunitec Enterprise Co.,Ltd.
 Test Item: Bluetooth Speakerphone
 Identification: BC962S
 Test Standard: FCC Part 15
 Test Detail: RE
 Operation Mode: Rx @ Mid channel
 Climate Condition: 23 °C; 50 %RH; 101 kPa.
 Test Voltage / Freq. : DC 3.7V via battery
 Receipt No.: 163060925 100
 Report No. 17015434 001
 Result: Pass
 Comment: Vertical

Subrange 1

Frequency Range: 18GHz - 26GHz
 Receiver: TUV FSP 30
 Transducer: TUV SAC 3160-09 / TUV FSP 30-TUV SAC 3160-09



Limit and Margin PK

Frequency (MHz)	MaxPeak (dB µV/m)	Corr. (dB)	Margin (dB)	Limit (dB µV/m)	Polarity
18515.000000	52.4	5.6	21.6	74.0	V
21400.000000	53.8	7.6	20.2	74.0	V
22777.000000	56.5	10.4	17.5	74.0	V
25582.000000	55.6	8.8	18.4	74.0	V

Date: 3/22/2010 - Time: 6:41:58 PM

Tested by:



Reviewed by:



TÜV Rheinland (Guangdong) Ltd.


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
18515.000000	38.6	5.6	15.4	54.0	V
21400.000000	41.0	7.6	13.0	54.0	V
22777.000000	44.0	10.4	10.0	54.0	V
25582.000000	42.6	8.8	11.4	54.0	V

Date: 3/22/2010 - Time: 6:41:58 PM

 Tested by: 

 Reviewed by: 

5.1.6 Frequency Separation

RESULT:
Passed

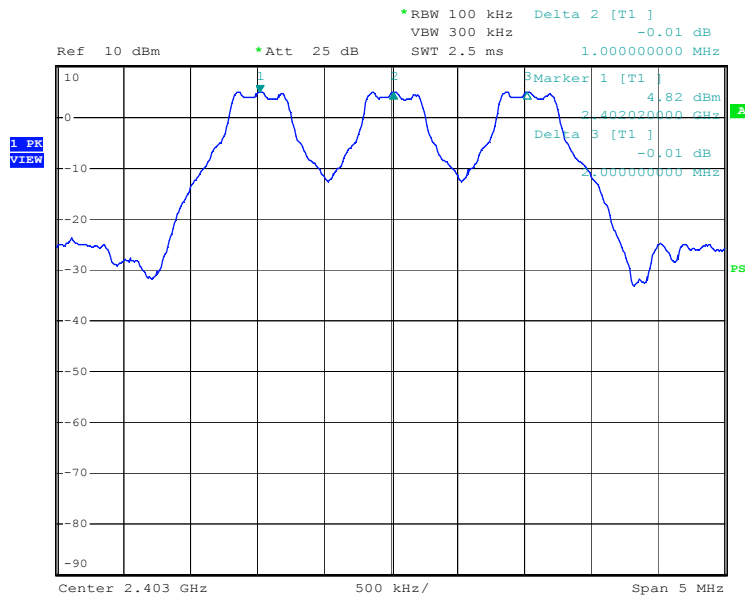
Date of testing : 2010-03-15
 Test standard : FCC part 15.247(a)(1)
 Basic standard : ANSI C63.4: 2003
 Limit : $\geq 25\text{kHz}$ or 20dB bandwidth, whichever is greater
 Kind of test site : Shield room

Test setup

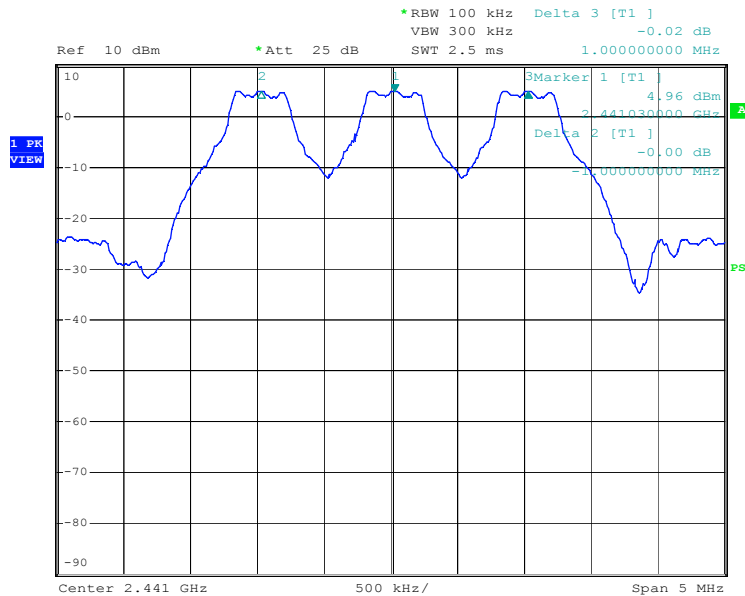
Test Channel : Low/ Middle/ High
 Operation Mode : A
 Ambient temperature : 22°C
 Relative humidity : 52%
 Atmospheric pressure : 101 kPa

Table 8: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	$\geq 25\text{kHz}$ or 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1	$\geq 25\text{kHz}$ or 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1	$\geq 25\text{kHz}$ or 20dB bandwidth	Pass
Adjacency Channel	2479			

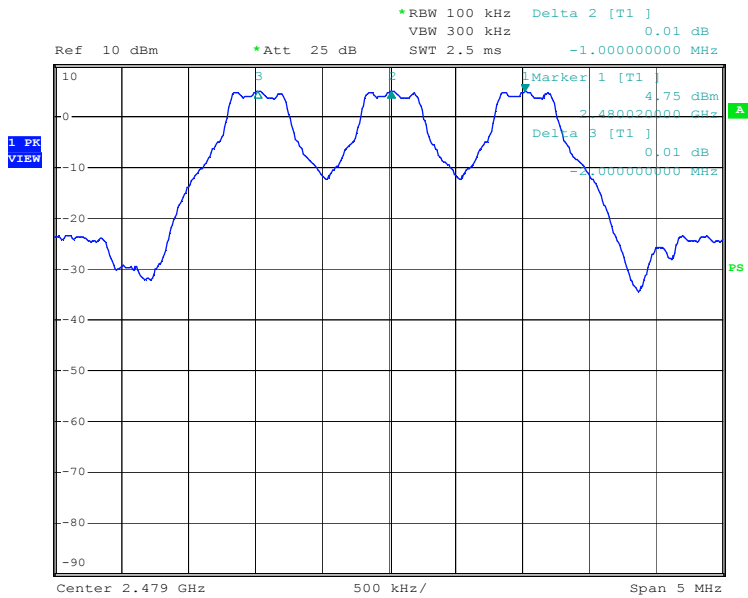
Test Graph of Frequency Separation
Low Channel


Date: 15.MAR.2010 14:48:58

Middle Channel


Date: 15.MAR.2010 14:52:19

High Channel



Date: 15.MAR.2010 14:54:54

5.1.7 Number of hopping frequency

RESULT:**Passed**

Date of testing : 2010-03-15
Test standard : FCC part 15.247(a)(1)(iii)
Basic standard : ANSI C63.4: 2003
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

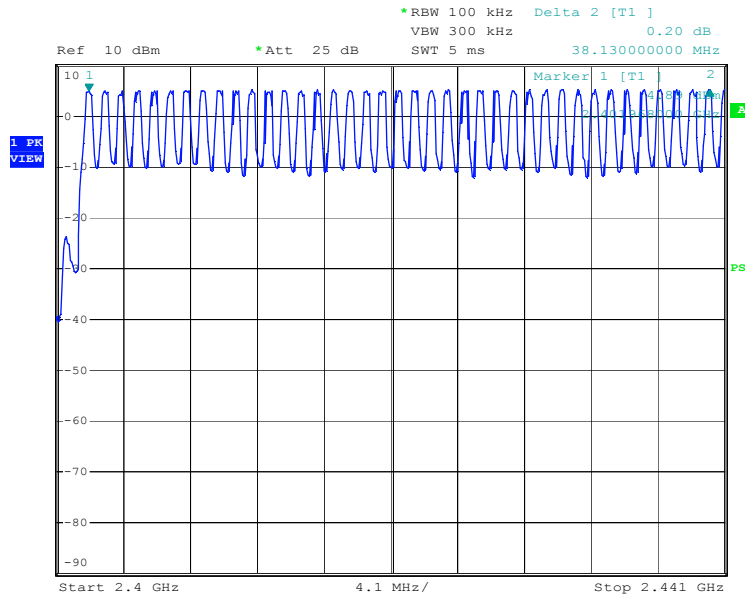
Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 22°C
Relative humidity : 52%
Atmospheric pressure : 101 kPa

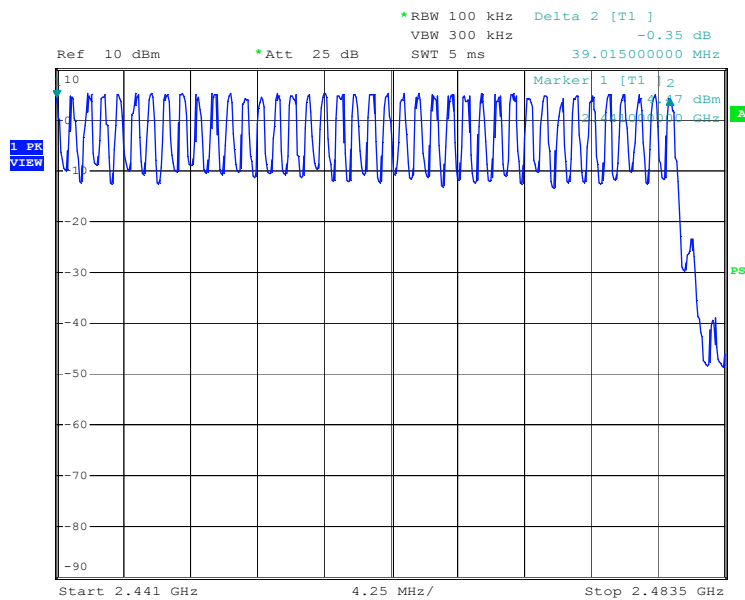
Table 9: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2400</u> to <u>2483.5</u> MHz	79	≥ 15	Pass

Test Graph of Number of hopping frequency



Date: 15.MAR.2010 15:03:16



Date: 15.MAR.2010 15:06:17

5.1.8 Time of Occupancy

RESULT:
Passed

Date of testing : 2010-03-15
 Test standard : FCC part 15.247(a)(1)(iii)
 Basic standard : ANSI C63.4: 2003
 Limits : 0.4s
 Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A
 Ambient temperature : 22°C
 Relative humidity : 52%
 Atmospheric pressure : 101 kPa

Table 10: Test result of Time of Occupancy

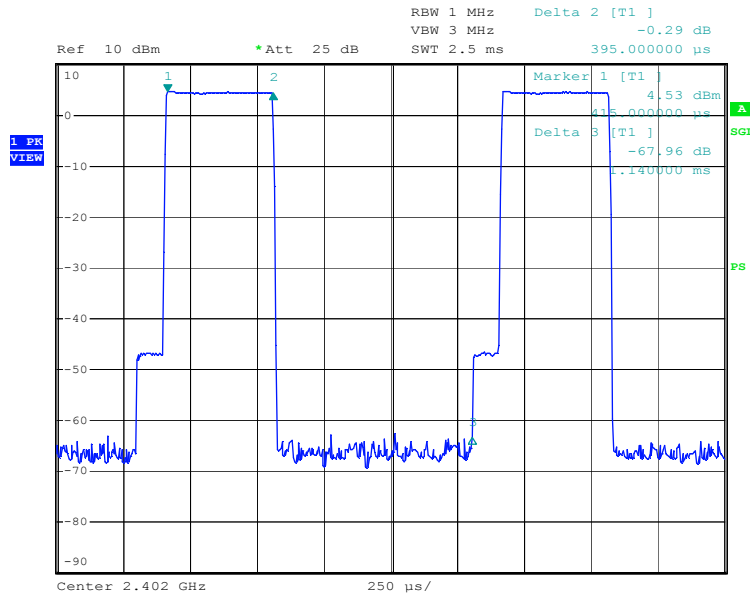
Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.395	0.126	0.4	Pass
	DH3	1.305	0.209	0.4	Pass
	DH5	2.885	0.308	0.4	Pass
Mid Channel	DH1	0.395	0.126	0.4	Pass
	DH3	1.305	0.209	0.4	Pass
	DH5	2.905	0.310	0.4	Pass
High Channel	DH1	0.395	0.126	0.4	Pass
	DH3	1.3	0.208	0.4	Pass
	DH5	2.89	0.308	0.4	Pass

Note:

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

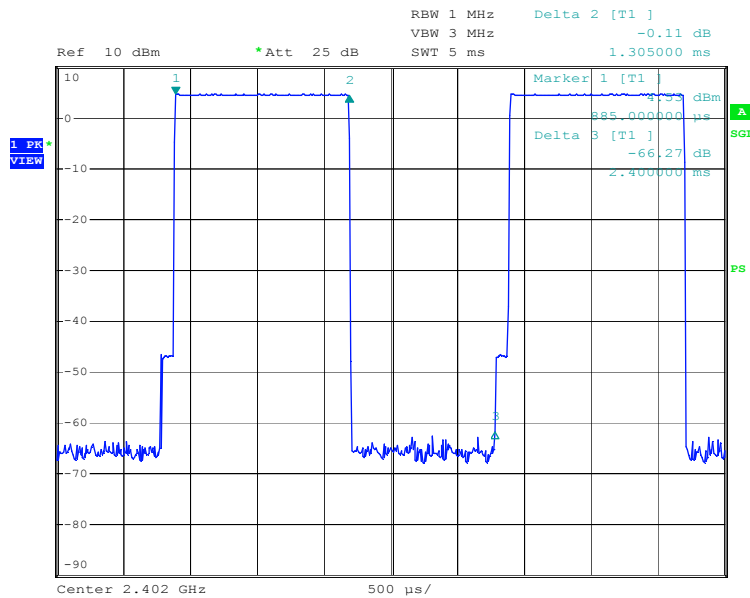
Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

Test Graph of Frequency Separation Low Channel- DH1

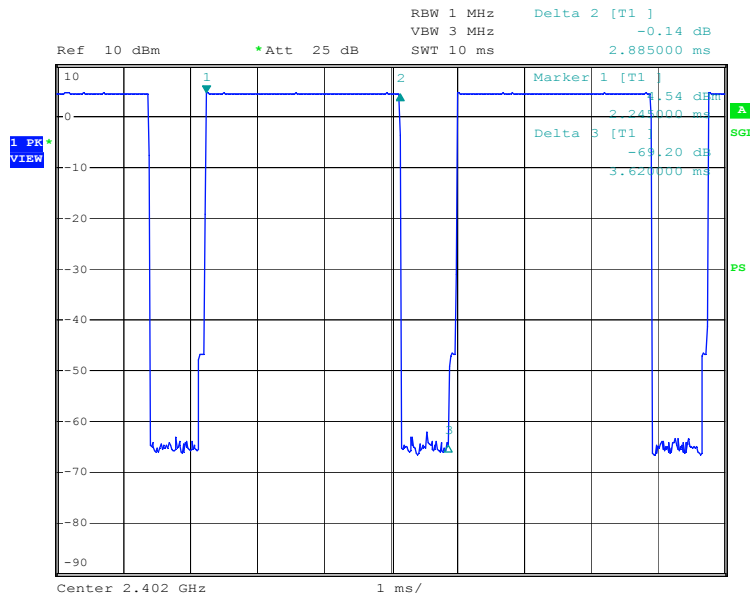


Date: 15.MAR.2010 15:08:59

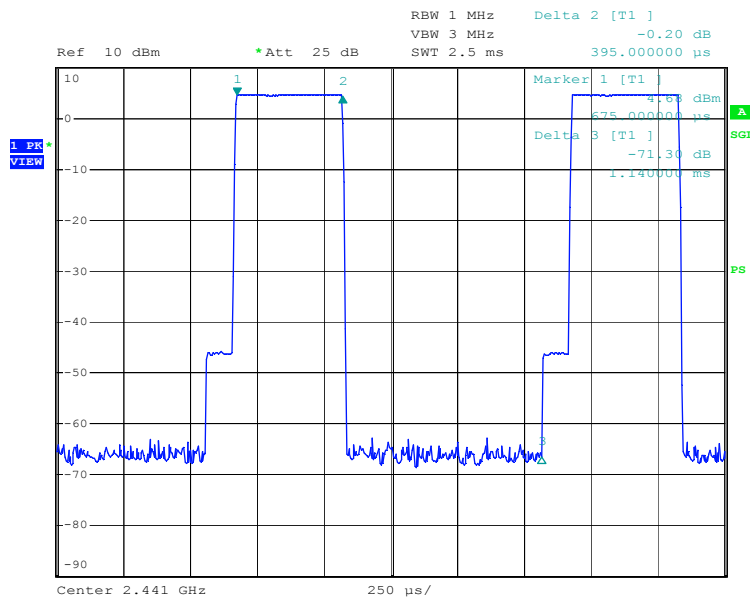
Low Channel- DH3



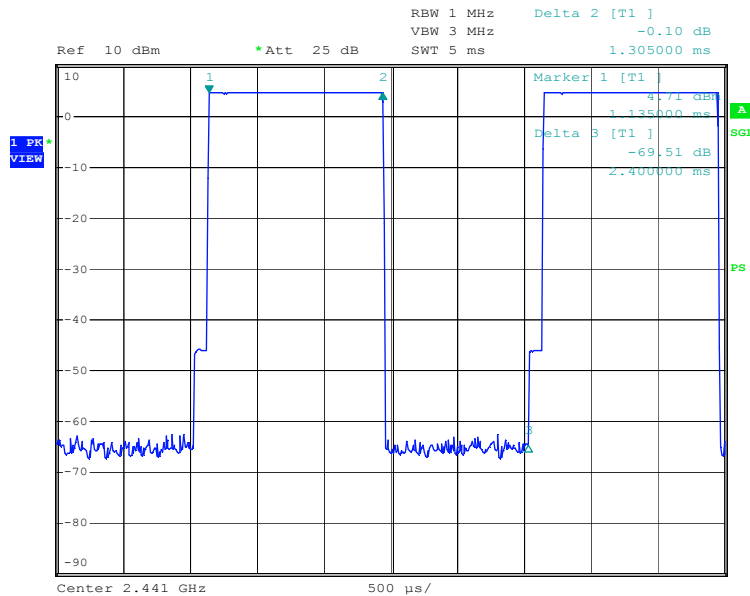
Date: 15.MAR.2010 15:11:13

Low Channel- DH5


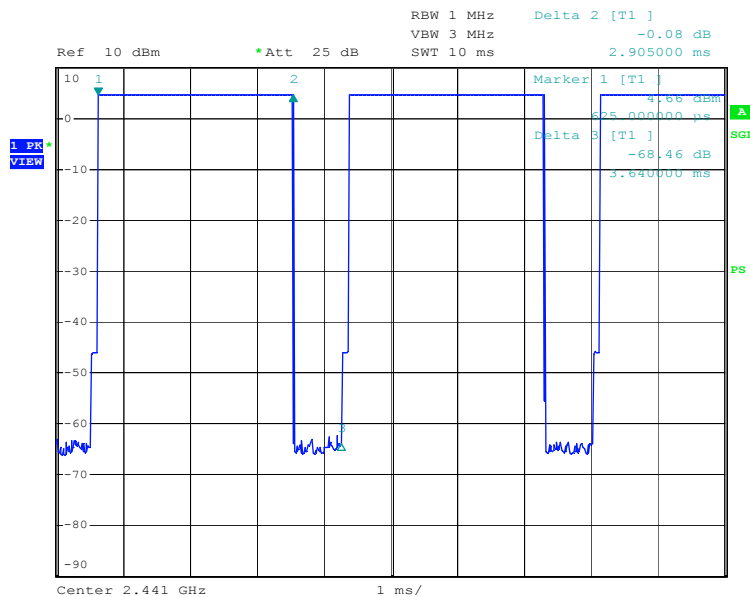
Date: 15.MAR.2010 15:13:12

Middle Channel- DH1


Date: 15.MAR.2010 15:17:39

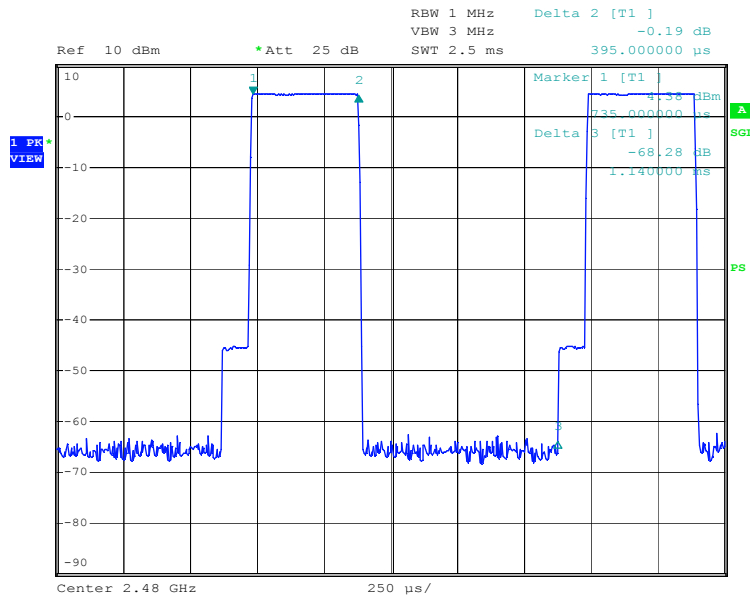
Middle Channel- DH3


Date: 15.MAR.2010 15:16:28

Middle Channel- DH5


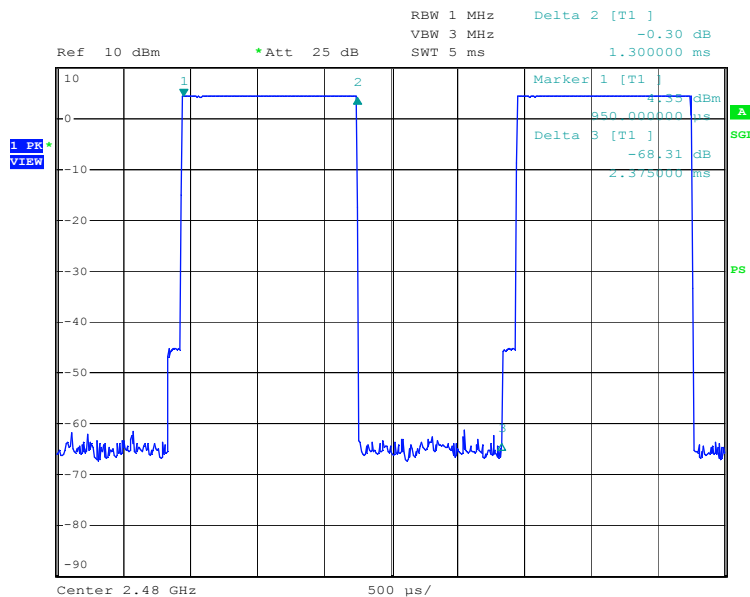
Date: 15.MAR.2010 15:14:56

High Channel- DH1



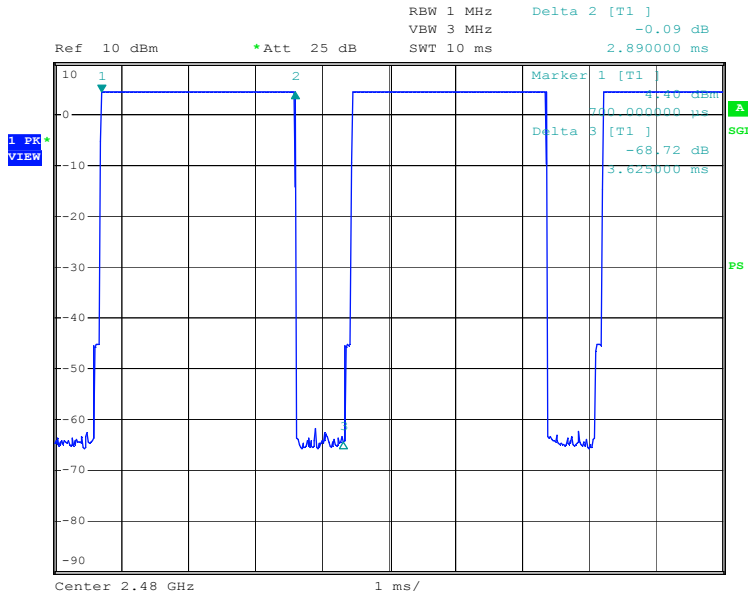
Date: 15.MAR.2010 15:18:44

High Channel- DH3



Date: 15.MAR.2010 15:19:57

High Channel- DH5



Date: 15.MAR.2010 15:21:50

5.1.9 Peak Power Density

RESULT:**Passed**

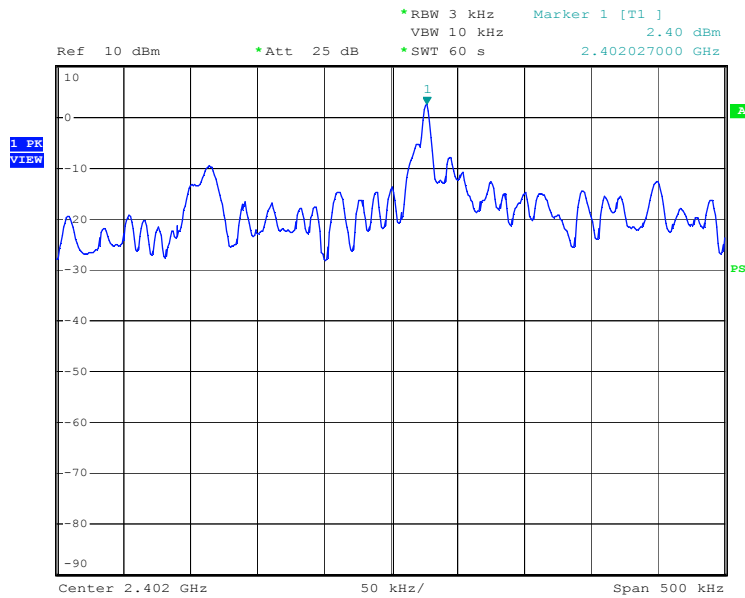
Date of testing : 2010-03-15
Test standard : FCC part 15.247(e)
Basic standard : ANSI C63.4: 2003
Limits : 8.0 dBm (in any 3kHz band)
Kind of test site : Shield room

Test setup

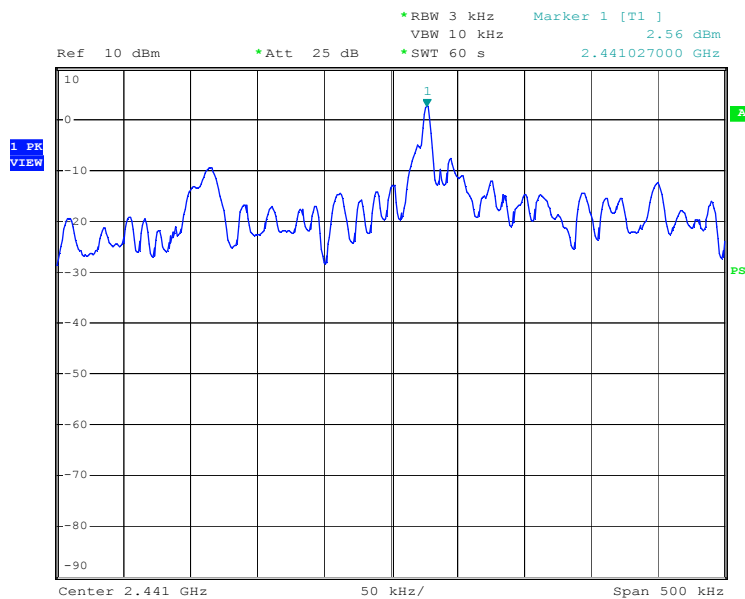
Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 22°C
Relative humidity : 52%
Atmospheric pressure : 101 kPa

Table 11: Test result of Peak Power Density

Channel	Channel Frequency (MHz)	Reading Power (dBm)	Limit (dBm)	Result
Low Channel	2402	2.4	8	Pass
Mid Channel	2441	2.56	8	Pass
High Channel	2480	2.37	8	Pass

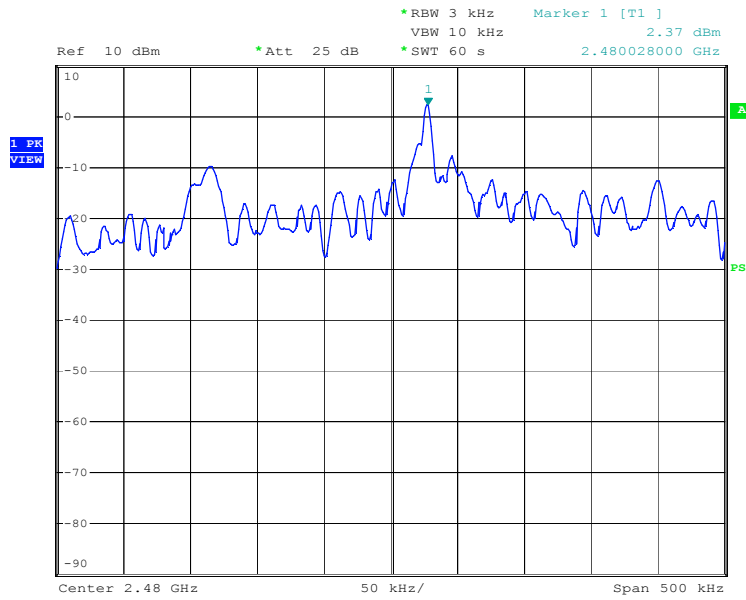
Test Graph of Peak Power Density
Low Channel


Date: 15.MAR.2010 15:32:41

Middle Channel


Date: 15.MAR.2010 15:30:07

High Channel



Date: 15.MAR.2010 15:26:53

5.1.10 Radiated emissions

RESULT:
Passed

Date of testing : 2010-03-23
 Test standard : FCC Part 15.209
 Basic standard : ANSI C63.4: 2003
 Frequency range : 30 – 1000MHz
 Limits : FCC Part 15.209(a)
 Kind of test site : 3m Semi-Anechoic Chamber

Test Setup

Test Channel : Low/ High
 Input Voltage : DC 3.7V
 Operation Mode : A+B+C
 Earthing : Not Connected
 Ambient temperature : 23°C
 Relative humidity : 50%
 Atmospheric pressure : 101 kPa

Table 12: Test result of Radiated emissions in restricted bands

Low Channel							
Frequency (MHz)	Level Peak (dBuV/m)	Level Average (dBuV/m)	Limit Peak (dBuV/m)	Limit Average (dBuV/m)	Margin Peak (dB)	Margin Average (dB)	Polarity
2390.00	45.312	38.867	74	54	-28.688	-15.133	V
2385.60	46.661	40.366	74	54	-27.339	-13.634	V
2390.00	45.915	38.419	74	54	-28.085	-15.581	H
2317.20	47.728	41.778	74	54	-26.272	-12.222	H
High Channel							
Frequency (MHz)	Peak Value (dBuV/m)	Average Value (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Margin Peak (dB)	Margin Average (dB)	Polarity
2483.44	46.220	38.788	74	54	-27.78	-15.212	H
2492.56	45.921	38.521	74	54	-28.079	-15.479	H
2483.50	45.950	38.114	74	54	-28.05	-15.886	V
2489.56	46.496	39.066	74	54	-27.504	-14.934	V

Refer to following test graphs for details.

Test Graph of Radiated emissions, Vertical

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

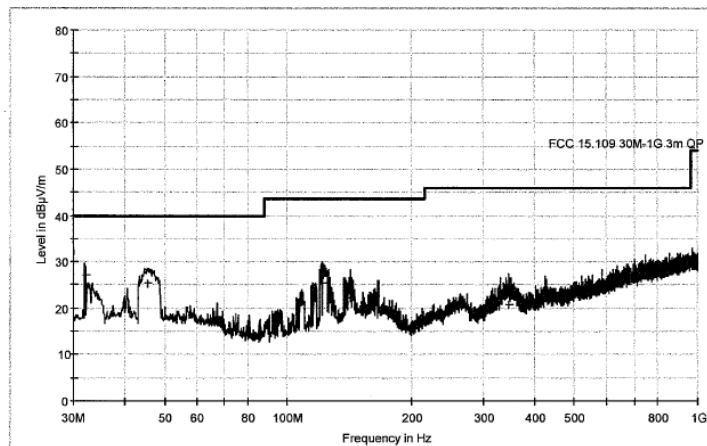
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
Test Standard:	FCC Part 15
Test Detail:	RE
Operation Mode:	A+B+C
Climate Condition:	23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq. :	DC 5V
Receipt No.:	163060925 100
Report No.	17015434 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
32.000000	27.2	13.8	12.8	40.0	V
45.500000	25.4	14.4	14.6	40.0	V
121.000000	25.5	13.6	18.0	43.5	V
142.300000	22.3	15.1	21.2	43.5	V
347.700000	20.8	16.2	25.2	46.0	V

Date: 3/23/2010 - Time: 8:40:56 PM

Tested by:



Reviewed by:



Test Graph of Radiated emissions, Horizontal

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

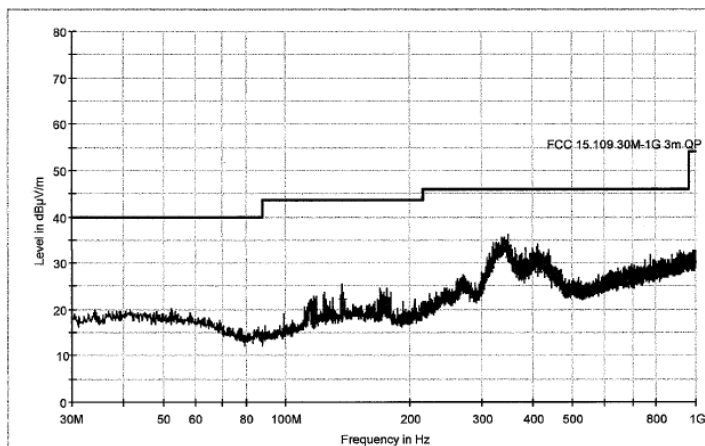
EMC Test Record (EMISSION)

Test Information

Manufacturer: Sunitec Enterprise Co.,Ltd.
 Test Item: Bluetooth Speakerphone
 Identification: BC962S
 Test Standard: FCC Part 15
 Test Detail: RE
 Operation Mode: A+B+C
 Climate Condition: 23 °C; 50 %RH; 101 kPa.
 Test Voltage / Freq. : DC 5V
 Receipt No.: 163060925 100
 Report No.: 17015434 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
136.800000	22.1	14.7	21.4	43.5	H
175.700000	20.8	14.0	22.7	43.5	H
349.200000	31.2	16.3	14.8	46.0	H
412.200000	27.9	17.7	18.1	46.0	H

Date: 3/23/2010 - Time: 8:34:50 PM

Tested by:



Reviewed by:



Test Graph of Radiated emissions in restricted bands, Vertical, Mode A.1

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

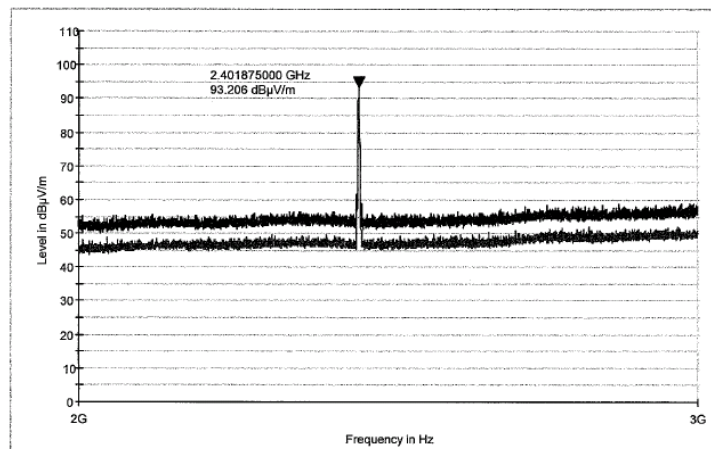
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
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 via battery
Receipt No.:	163060925 100
Report No.	17015434 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: 3/30/2010 - Time: 6:55:31 PM

Tested by:



Reviewed by:



Test Graph of Radiated emissions in restricted bands, Horizontal, Mode A.1

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

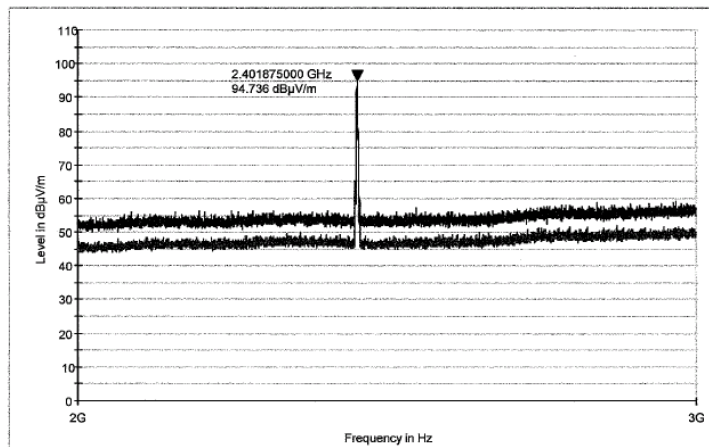
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
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 via battery
Receipt No.:	163060925 100
Report No.	17015434 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: 3/30/2010 - Time: 6:51:53 PM

Tested by:



Reviewed by:



Test Graph of Radiated emissions in restricted bands, Vertical, Mode A.3

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

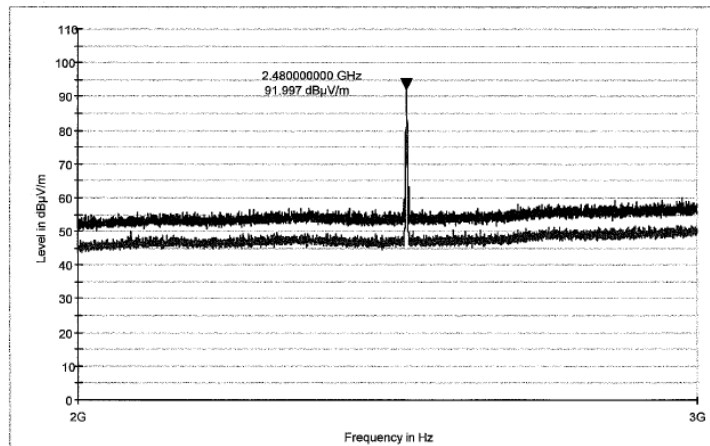
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification	BC962S
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 via battery
Receipt No.:	163060925 100
Report No.:	17015434 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: 3/30/2010 - Time: 6:43:03 PM

Tested by:



Reviewed by:



Test Graph of Radiated emissions in restricted bands, Horizontal, Mode A.3

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

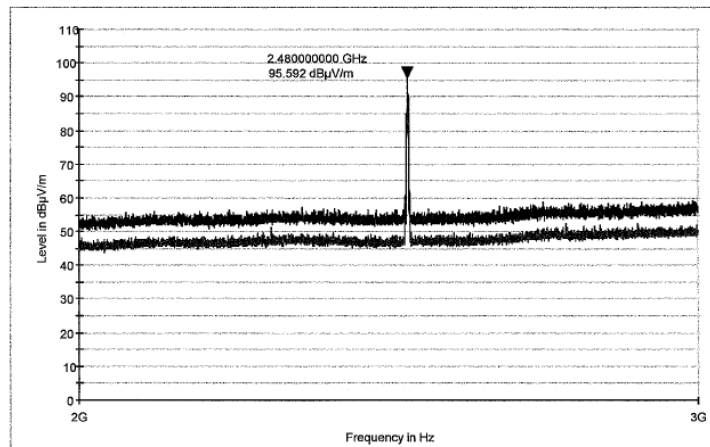
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Sunitec Enterprise Co.,Ltd.
Test Item:	Bluetooth Speakerphone
Identification:	BC962S
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 via battery
Receipt No.:	163060925 100
Report No.:	17015434 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: 3/30/2010 - Time: 6:39:51 PM

 Tested by: 

 Reviewed by: 

6. Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions (9kHz-30MHz)



Photograph 2: Set-up for Spurious Emissions (30MHz-1GHz)



Photograph 3: Set-up for Spurious Emissions (1GHz-18GHz)



Photograph 4: Set-up for Spurious Emissions (18GHz-26GHz)



Photograph 5: Set-up for Radiated Emissions



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