

Prüfbericht - Nr.:	16016850 001		Seite 1 von 28		
<i>Test Report No.:</i>		<i>Page 1 of 28</i>			
Auftraggeber: <i>Client:</i>	Zhongshan K-mate General Elec. Co., Ltd. Fuwan Industrial Zone, Fuwan South Road, Sunwen East Road, East District, Zhongshan, Guangdong, P.R. China				
Gegenstand der Prüfung: Bluetooth Transmitter for iPod <i>Test item:</i>					
Bezeichnung: <i>Identification:</i>	BTT010	FCC ID: <i>FCC ID</i>	WAD-BTT010		
Wareneingangs-Nr.: <i>Receipt No.:</i>	173043768	Eingangsdatum: Mar. 30, 2009 <i>Date of receipt:</i>			
Prüfort: <i>Testing location:</i>	TÜV Rheinland (Guangdong) Ltd. EMC Laboratory Guangzhou Auto Market, Yuan Gang Section of Guangshan Road, Guangzhou 510650, P. R. China	Listed test laboratory according to FCC rules section 2.948 for measuring devices under Parts 15			
Prüfgrundlage: <i>Test specification:</i>	ANSI C63.4: 2003 FCC Part 15: 20, Sep. 2007 Subpart C section 15.209 and 15.247				
Prüfergebnis: <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>				
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland (Guangdong) Ltd.				
geprüft/ tested by:	kontrolliert/ reviewed by:				
<u>Apr. 07, 2009</u>	Ken Kuang Project Engineer	<u>07 Apr. 2009</u>	Ricky Liu Project Manager		
Datum Date	Name/Stellung Name/Position	Unterschrift Signature	Datum Date	Name/Stellung Name/Position	Unterschrift Signature
Sonstiges/ Other Aspects:					
Abkürzungen:	P(pass) = entspricht Prüfgrundlage F(fail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	Abbreviations:	P(pass) = passed F(fail) = failed N/A = not applicable N/T = not tested		
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Test Summary

FCC Rules		Test items	Result
Paragraph	Released Date		
Part 15 Per Section 15.209(a)	20. Sep, 2007	Radiated Spurious Emission	Pass
Part 15 Per Section 15.203	20. Sep, 2007	Antenna requirement	Pass
Part 15 Per Section 15.247(b)(1)	20. Sep, 2007	Maximum Peak Output power	Pass
Part 15 Per Section 15.247(a)(1)	20. Sep, 2007	20dB Bandwidth	Pass
Part 15 Per Section 15.247(a)(1)	20. Sep, 2007	Hopping Channel Carrier Frequency Separation	Pass
Part 15 Per Section 15.247(a)(1)(iii)	20. Sep, 2007	Number of Hopping Frequency Used	Pass
Part 15 Per Section 15.247(a)(1)(iii)	20. Sep, 2007	Time of Occupancy (Dwell Time)	Pass
Part 15 Per Section 15.247(d)	20. Sep, 2007	Out-Of-Band Emission measurement	Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test result

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Guangdong) Ltd. EMC Laboratory

Guangzhou Auto Market, Yuan Gang Section of Guangshan Road
Guangzhou 510650

P. R. China

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Type	Manufacturer	S/N	Calibrated until	Calibrated Interval
EMI Test Receiver	ESCI-3	Rohde & Schwarz	100216	26.Nov.2009	1 year
Spectrum Analyzer	FSP30	Rohde & Schwarz	100286	27.Aug.2009	1 year
Trilog-Broadband Antenna	VULB9168	SCHWARZBECK MESS-ELEKTRONIK	210	08.May.2009	2 year
Double-Ridged Waveguide Horn Antenna	HF906	Rohde & Schwarz	100385	18.Jul.2009	2 year
Double-Ridged Waveguide Horn Antenna	HF906	Rohde & Schwarz	100407	08.May.2009	2 year
Pre-amplifier	AFS42-00101800-25-S-42	MITEQ	1101599	31.Jul.2009	2 year
Band Reject Filter	BRM50702	Micro-Tronics	023	14.Mar.2010	2 year
Standard Gain Horn Antenna	3160-09	EMCO	21642	N/A	N/A
Standard Gain Horn Antenna	3160-09	EMCO	21645	N/A	N/A
Pre-amplifier	AFS33-18002650-30-8P-44	MITEQ	1108282	31.Jul.2009	2 year
3m Anechoic Chamber	N/A	Albatross Project GmbH	N/A	16.Apr.2009	3 year

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications.

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2.5 Measurement Uncertainty

Uncertainty for conducted emissions measurements is $\pm 2.51\text{dB}$.

Uncertainty for radiated emissions measurements is $\pm 4.94\text{dB}$ (30M-1GHz) and $\pm 4.88\text{dB}$ (> 1GHz)

The reported expanded uncertainty is based on a standard uncertainty multiply by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

2.6 Location of original data

The original copies of test data taken during actual testing were attached at Appendix 1 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Guangdong) file for certification follow-up purposes.

2.7 Status of facility used for testing

TÜV Rheinland (Guangdong) Ltd. EMC Laboratory; Guangzhou Auto Market, Yuan Gang Section of Guangshan Road, Guangzhou 510650, P. R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements, the register no. 833845

3 General Product Information

Brief description of the test sample:

The EUT is a Bluetooth audio transmitter to be used with iPod portable music player.

Bluetooth function is provided which enable this device to be connected with a Bluetooth A2DP Sink device.

For details, refer to technical document and the user manual.

3.1 Product Function and Intended Use

Refer to the Technical Documentation and user manual.

3.2 Ratings and System Details

Frequency range	:	2402.0MHz – 2480.0MHz (unlicensed ISM band)
Number of employed channels	:	79 channels
Total Number of channels	:	79 channels
Modulation Type	:	Frequency Hopping Spread Spectrum
Type of antenna	:	Integral antenna
Power supply of Bluetooth headset	:	3.3V DC by the attached iPod music player
Ports	:	iPod music port
Protection Class	:	III

Refer to the Technical Documentation for further information

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3.3 Independent Operation Modes

Off/On

The basic operation modes for the Bluetooth headset:
Operating: RF Transmitting and receiving

For further information refer to User Manual

3.4 Submitted Documents

Block Diagram
Schematics
Operation Description
Components List
FCC label and location
User Manual
Internal Photos
External Photos
Application form

4 Test Set-up and Operation Mode

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Refer to test set-up in chapter 5.

4.3 Special Accessories and Auxiliary Equipment

The products have been tested together with the following device:

Device	Manufacture	Model	Serial no./ Version
Laptop notebook	IBM R40e	2684	99-CYY55
Bluetooth test Software	CSR	BlueTest	1.24

4.4 Countermeasures to achieve EMC Compliance

The test sample, which has been tested, contained the noise suppression parts as described in the technical document. No additional measures were employed to achieve compliance.

4.5 Test set-up

Diagram 1 of Configuration for Testing Radiated Emission below 1 GHz

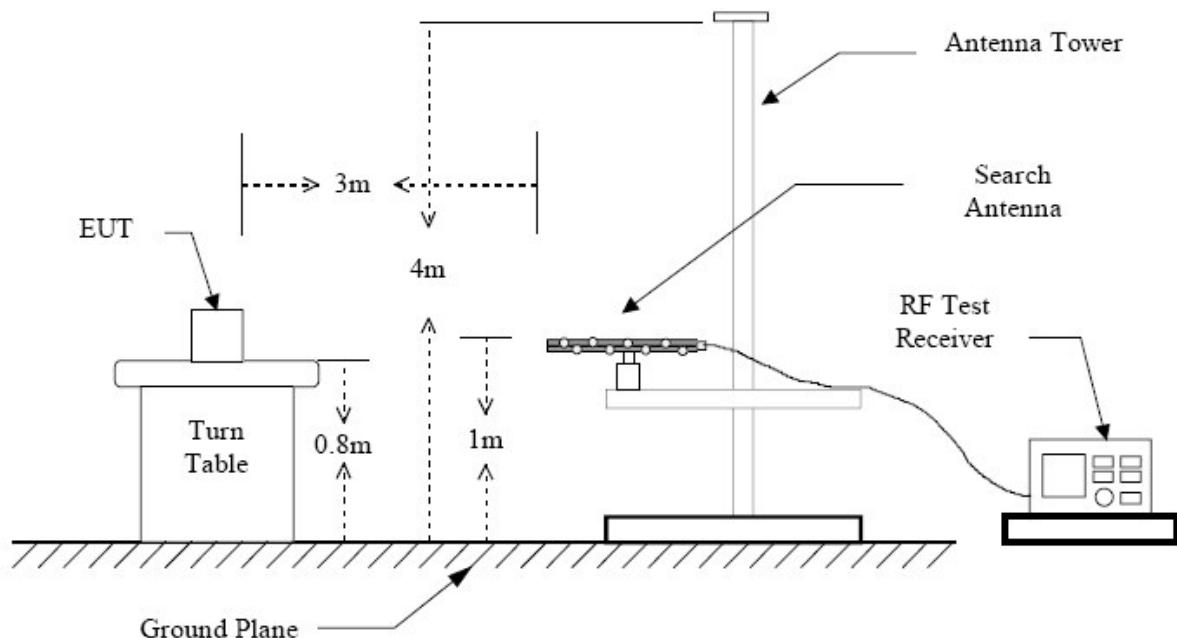
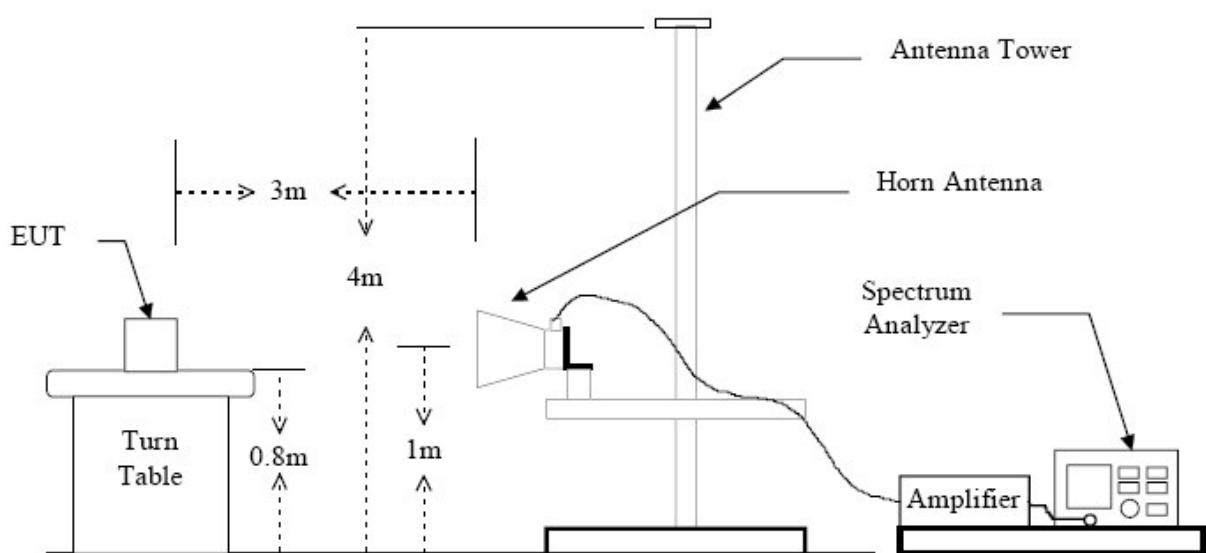


Diagram 2 of Configuration for Testing Radiated Emission above 1 GHz

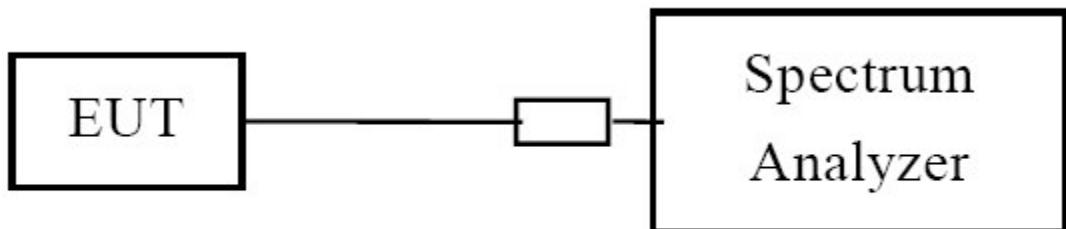


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Diagram 3 of Configuration for Testing other test items



5 Test Results EMISSION

5.1 Radiated Spurious Emission

RESULT:**Pass**

Date of testing	:	Apr. 2, 2009 - Apr. 7, 2009
Test specification	:	FCC Part 15 Per Section 15.209(a)
Limits	:	FCC Part 15 Per Section 15.209(a)
Test procedure	:	Procedure specified in ANSI C63.4
Deviations from Standard Test procedures	:	None
Kind of test site	:	3m Semi-anechoic chamber
Operation mode	:	RF transmitting at fix channel with max power (High, Low, Mid)
Power supply	:	DC 3.3V by small li-ion battery
Temperature	:	21°C
Humidity	:	57%

Test procedure:

1. The EUT was placed on the top of a rotatable table 0.8 meters above the ground with 3-orthogonal direction and be kept close enough to the receiving antenna. The table was rotated 360 degrees to determine the suspected emission frequency and the position of the worst radiation case with both horizontal and vertical antenna polarization.
2. The EUT was then set 3 meters away from the receiving antenna, which was mounted on a variable-height antenna tower.
3. For each suspected emission frequency recorded in step 1, the EUT was arranged to its worst case that the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to read the maximum emission.

Note:

While testing, the EUT is connected with a serial port bridge board for test mode setup. The length of the communication cable between the EUT and the bridge board, which including Tx, Rx, GND serial pins, is minimized to reduce the unwanted influence to test result. The bridge board can be connected to a host computer with standard DB9 com port cable for running of the test setup software. After setup successfully, the EUT can keep the test mode with the host computer and the cable removed.

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Table 2: Radiated Emission (Transmitting at channel low)

Frequency	QP	AV	PK	Polarity	Limit		
					QP	AV	PK
[MHz]	[dB μ V/m]		(H/V)		[dB μ V/m]		
672.0	33.3	N/A	N/A	H	46	N/A	N/A
1602.0	N/A	34.7	40.3	H	N/A	54.0	74.0
3204.0	N/A	36.1	45.2	H	N/A	54.0	74.0
4804.0	N/A	45.4	53.9	H	N/A	54.0	74.0
712.0	26.1	N/A	N/A	V	46	N/A	N/A
1602.0	N/A	36.2	41.5	V	N/A	54.0	74.0
3204.0	N/A	35.6	44.3	V	N/A	54.0	74.0
4804.0	N/A	49.4	59.0	V	N/A	54.0	74.0
*)---							

Table 3: Radiated Emission (Transmitting at channel mid)

Frequency	QP	AV	PK	Polarity	Limit		
					QP	AV	PK
[MHz]	[dB μ V/m]		(H/V)		[dB μ V/m]		
625.5	23.3	N/A	N/A	H	46	N/A	N/A
1626.5	N/A	35.9	41.7	H	N/A	54.0	74.0
3253.5	N/A	36.2	46.1	H	N/A	54.0	74.0
4882.0	N/A	42.1	52.6	H	N/A	54.0	74.0
839.0	24.4	N/A	N/A	V	46	N/A	N/A
1626.5	N/A	30.7	38.8	V	N/A	54.0	74.0
3253.0	N/A	35.2	43.3	V	N/A	54.0	74.0
4882.0	N/A	44.3	54.0	V	N/A	54.0	74.0
*)---							

Table 4: Radiated Emission (Transmitting at channel high)

Frequency	QP	AV	PK	Polarity	Limit		
					QP	AV	PK
[MHz]	[dB μ V/m]		(H/V)		[dB μ V/m]		
688.0	22.5	N/A	N/A	H	46	N/A	N/A
1652.5	N/A	35.9	42.3	H	N/A	54	74
3305.5	N/A	33.4	45.3	H	N/A	54	74
4960.0	N/A	38.4	52.2	H	N/A	54	74
410.7	15.7	N/A	N/A	V	46	N/A	N/A
1652.5	N/A	33.5	41.3	V	N/A	54	74
3439.5	N/A	27.5	40.5	V	N/A	54	74
4960.0	N/A	40.8	54.5	V	N/A	54	74
*)---							

*) Note:

The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz at frequency below 1GHz.

The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz at frequency above 1GHz.

Measurement is made from 30 MHz to 26 GHz. Disturbances other than those mentioned above are small or not detectable.

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5.2 Antenna requirement

RESULT:

Pass

Date of testing : ---
Test specification : FCC Part 15 Per Section 15.203
FCC Part 15 Per Section 15.247(b)

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

And according to 15.247(b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by amount in dB than the directional gain of the antenna exceeds of 6dBi.

As the antenna is permanently mounted on RF Board, there is no consideration of replacement.

And the max gain of the antenna is 2dBi.

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5.3 Maximum Peak Output Power

RESULT:
Pass

Date of testing : Apr. 2, 2009
 Test specification : FCC Part 15 Per Section 15.247(b)(1)
 Limits : FCC Part 15 Per Section 15.247(b)(1)

For frequency hopping systems operating in the band 2400-2483.5 MHz employing at least 75 hopping channels, the maximum peak conducted output power shall not exceed 1 W; for all other frequency hopping systems in the band, the maximum peak conducted output power shall not exceed 0.125 W.

Deviations from Standard Test procedures : None
 Test procedure : Procedure specified in ANSI C63.4
 Kind of test site : Shielded room
 Operation mode : Continuously transmitting on the measured channel.
 Power supply : DC 3.3V
 Temperature : 21°C
 Humidity : 57%

Table 5: Peak Conducted Power

Channel	Frequency (MHz)	Power Reading(dBm)	Cable Loss (dB)	Output Power		Limit (mW) *
				(dBm)	(mW)	
Low	2402.0	2.30	0.40	2.70	1.86	1000
Mid	2441.0	2.15	0.40	2.55	1.80	1000
High	2480.0	0.95	0.40	1.35	1.36	1000

*Note: Refer to the test result of "Number of Hopping Channel Used" for the non-overlap channel number.

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5.4 20dB Bandwidth

RESULT:
Pass

Date of testing : Apr. 2, 2009
 Test specification : FCC Part 15 Per Section 15.247(a)(1)
 Limits : FCC Part 15 Per Section 15.247(b)(1)

Frequency hopping systems operating in the band 2400-2483.5 MHz may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 0.125W.

Deviations from Standard Test procedures : None
 Test procedure : Procedure specified in ANSI C63.4
 Operation mode : Continuously transmitting on the measured channel.
 Kind of test site : Shielded room
 Power supply : DC 3.3V
 Temperature : 21°C
 Humidity : 57%

Test procedure:

1. Connect the antenna port of the EUT to the spectrum analyzer by a low loss cable.
2. Set the EUT to proper test mode with relative test software and hardware.
3. Spectrum analyzer setting: Centered Frequency= measured channel, RBW=30kHz, VBW=100kHz.
4. Mark the peak power frequency point and the -20dB upper and lower frequency points.
5. Read the frequency delta value between the -20dB upper and lower frequency points.
6. Repeat step 2 to 5 until all the channels required are finished.

Table 6: 20dB Bandwidth

Channel	Frequency (GHz)	Test Result (kHz)
Low	2402.0	876
Mid	2441.0	872
High	2480.0	892

Please refer to Appendix 1 for measurement data.

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5.5 Hopping Channel Carrier Frequency Separation

RESULT:**Pass**

Date of testing	:	Apr. 2, 2009
Test specification	:	FCC Part 15 Per Section 15.247(a)(1)
Limits	:	FCC Part 15 Per Section 15.247(a)(1)

Frequency hopping systems operating in the band 2400-2483.5 MHz may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 0.125W.

Deviations from Standard Test

procedures	:	None
Test procedure	:	Procedure specified in ANSI C63.4
Kind of test site	:	Shielded room
Operation mode	:	Transmitting with hopping at the full channel set
Power supply	:	DC 3.3V
Temperature	:	21°C
Humidity	:	57%

Test procedure:

1. Connect the antenna port of the EUT to the spectrum analyzer by a low loss cable.
2. Set the EUT to proper test mode with relative test software and hardware.
3. Spectrum analyzer setting: Centered Frequency = measured channel, RBW = 10 kHz, VBW = 30 kHz, Frequency Span = wide enough to cover the adjacent channel.
4. Mark the peak power frequency point of the measured channel and its adjacent channel(s)
5. Read the frequency delta value between the measured channel and its adjacent channel(s)
6. Repeat step 3 to 5 until all the channels measured are finished.

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*Page 20 of 28***Table 7: Hopping Channel Carrier Frequency Separation**

Channel	Adjacent Hopping channel separation (kHz)	Limit
Low	984	At least 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.
Mid	1002	
High	1050	Note: refer to table 6 for the value of 20dB bandwidth

Please refer to Appendix 1 for measurement data.

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5.6 Number of Hopping Frequency Used

RESULT:**Pass**

Date of testing	:	Apr. 2, 2009
Test specification	:	FCC Part 15 Per Section 15.247(a)(1)(iii)
Limits	:	FCC Part 15 Per Section 15.247(a)(1)(iii)
Frequency hopping system in the 2400-2483.5 MHz band shall use at least 15 non-overlapping channels		
Deviations from Standard Test procedures	:	None
Test procedure	:	Procedure specified in ANSI C63.4
Kind of test site	:	Shielded room
Operation mode	:	Transmitting with hopping at the full channel set
Power supply	:	DC 3.3V
Temperature	:	21°C
Humidity	:	57%

Test procedure:

1. Connect the antenna port of the EUT to the spectrum analyzer by a low loss cable.
2. Set the EUT to proper test mode with relative test software and hardware.
3. Spectrum analyzer setting: RBW = 100 kHz, VBW \geq RBW, Frequency Span = wide enough to cover the channels to be plotted.
4. Set the spectrum analyzer to Max-hold mode and plot the result(s) with record of all hopping channel.

Table 8: Number of hopping frequency

Number of hopping frequency:	79
Limit:	At least 15 non-overlapping channels

Please refer to Appendix 1 for measurement data.

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5.7 Time of Occupancy (Dwell Time)

RESULT:**Pass**

Date of testing : Apr. 2, 2009
Test specification : FCC Part 15 Per Section 15.247(a)(1)(iii)
Limits : FCC Part 15 Per Section 15.247(a)(1)(iii)

For frequency hopping system operating in the 2400-2483.5MHz band, the average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

Deviations from Standard Test procedures : None
Test Procedure : Procedure specified in ANSI C63.4
Kind of test site : Shielded room
Operation mode : Transmitting with hopping at the full channel set (DH5 mode)
Power supply : DC 3.3V
Temperature : 21°C
Humidity : 57%

Test procedure:

1. Connect the antenna port of the EUT to the spectrum analyzer by a low loss cable.
2. Set the EUT to proper test mode with relative test software and hardware.
3. Spectrum analyzer setting: Centered Frequency = measured channel, RBW = 1MHz, $VBW \geq RBW$, Frequency Span = 0 Hz.
4. Set sweep time properly to capture the entire dwell time per hopping channel.
5. Set detector type to Peak and trace mode to Max Hold and make the measurement.
6. Repeat step 3-5 until all channels measured were complete.

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Table 9: Dwell Time (DH5 mode)

channel	Frequency (GHz)	Dwell time of one signal Burst (ms)	Total Dwell Time (ms)	Limit (ms)
Low	2.402	2.980	(2.980 x 106.81) = 318.293	400
Mid	2.441	2.980	(2.980 x 106.81) = 318.293	400
High	2.480	2.980	(2.980 x 106.81) = 318.293	400

Note :

Period = 0.4 (seconds) x 79 (channels) = 31.6 seconds

For Bluetooth system, there are 1600 timeslots in one second. The DH5 mode operates on a 5-slot transmission and 1-slot receiving basis. Thus there are $1600 / (5+1) = 266.7$ transmission per second. In one period for each particular channel there are $(266.7/79) \times 31.6 = 106.81$ times of transmission.

Dwell Time in one period(ms) = Dwell time of one-slot transmission(ms) multiplexes **106.81**

Please refer to Appendix 1 for measurement data.

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5.8 Out-of-Band Emission

RESULT:**Pass**

Date of testing : Apr. 2, 2009
Test specification : FCC Part 15 Per Section 15.247(d)
Limits : FCC Part 15 Per Section 15.247(d)

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

In addition:

FCC Part 15 - radiated emission which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a).

Deviations from Standard Test procedures : None
Test Procedure : Procedure specified in ANSI C63.4
Kind of test site : Shielded room
Operation mode : Transmitting at the highest and lowest channel (band edge)
Power supply : DC 3.3V
Temperature : 21°C
Humidity : 57%

Test procedure:

1. Connect the antenna port of the EUT to the spectrum analyzer by a low loss cable.
2. Set the EUT to proper test mode with relative test software and hardware.
3. Spectrum analyzer setting: RBW = 100 kHz, VBW \geq RBW.
4. Set proper frequency span respectively for out-of-band emission measurement of the band edge and the whole range (up to 10 times of the carrier frequency.)
5. Set the trace mode to Max Hold and mark the peak reading of any spurious emission recorded.

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Table 10: Out-Of-Band Emission measurement (conducted)

Emission (Carrier operating at Channel low, mid and high)	Attenuation	Limit (dB)
30MHz to 25GHz	All emission in this 100kHz bandwidth are attenuated more than 20dB from the carrier	$\Delta \geq 20$

Note: Refer to Appendix 1 for measurement data.

Table 11: Band Edges Emission in the Restricted Bands by Marker Delta Method

Frequency [MHz]	dBc [dB]	PK [dB μ V/m]	AV [dB μ V/m]	Polarity (H/V)	PK limit [dB μ V/m]	AV limit [dB μ V/m]
2390MHz	52.24	39.54	---	H	74	54
2483.5MHz	55.43	37.59	---	H	74	54

NOTE:

1. The Peak carrier field strength of the lowest channel is 91.78dB μ V/m.
The Peak carrier field strength of the highest channel is 93.02dB μ V/m
The above field strength levels were measured in horizontal polarity which is the worst case.
2. The dBc value between the carrier maximum power and band edge emission power of the frequency listed in the table is calculated from the test record showed in Appendix 1.
3. Peak value of the low band edge emission listed in the table is calculated by the below formula:
PK value of band edge emission = Peak carrier field strength – dBc value in item2

*Note: Please refer to Appendix 1 for measurement data. Disturbances other than those mentioned above are small or not detectable. Please refer to the Appendix 1 for the noise floor of the band edge emission.

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6 Photographs of the Test Set-Up

Photograph 1: Set-up for Radiation Measurement below 1GHz



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Photograph 2: Set-up for Radiation Measurement above 1GHz

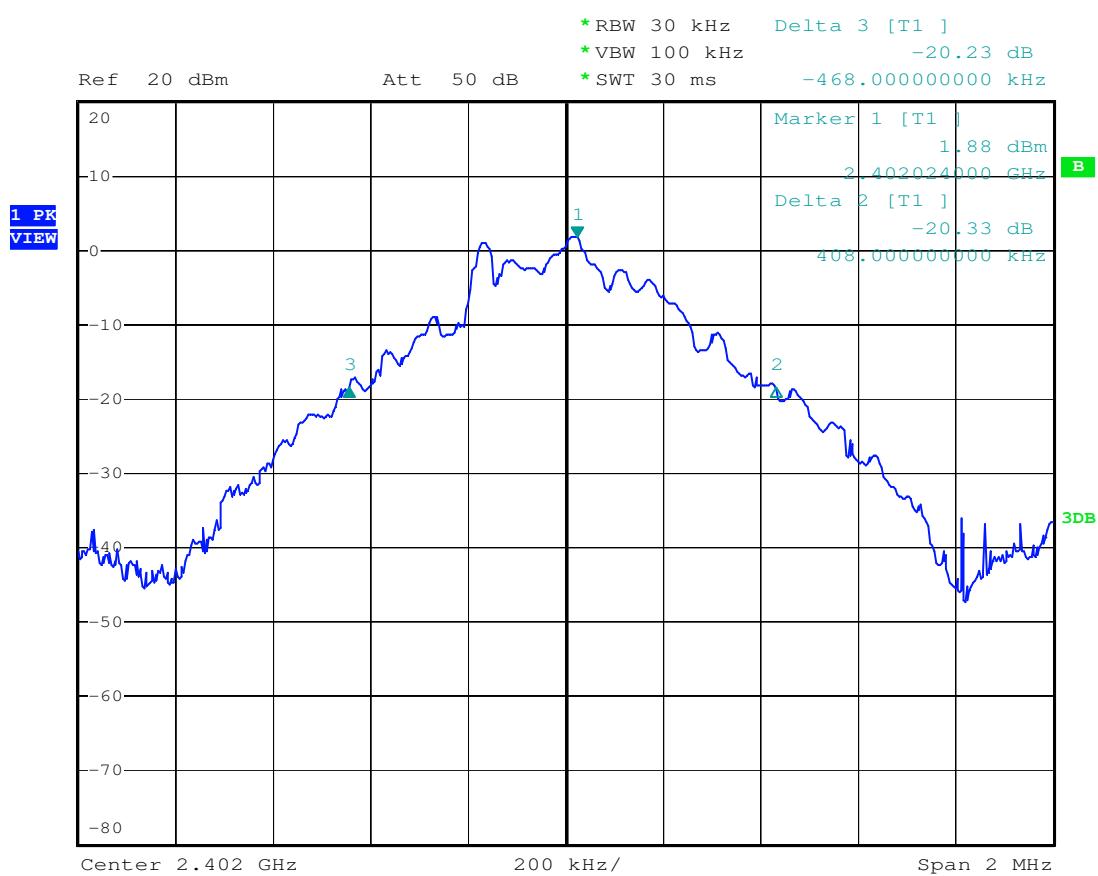


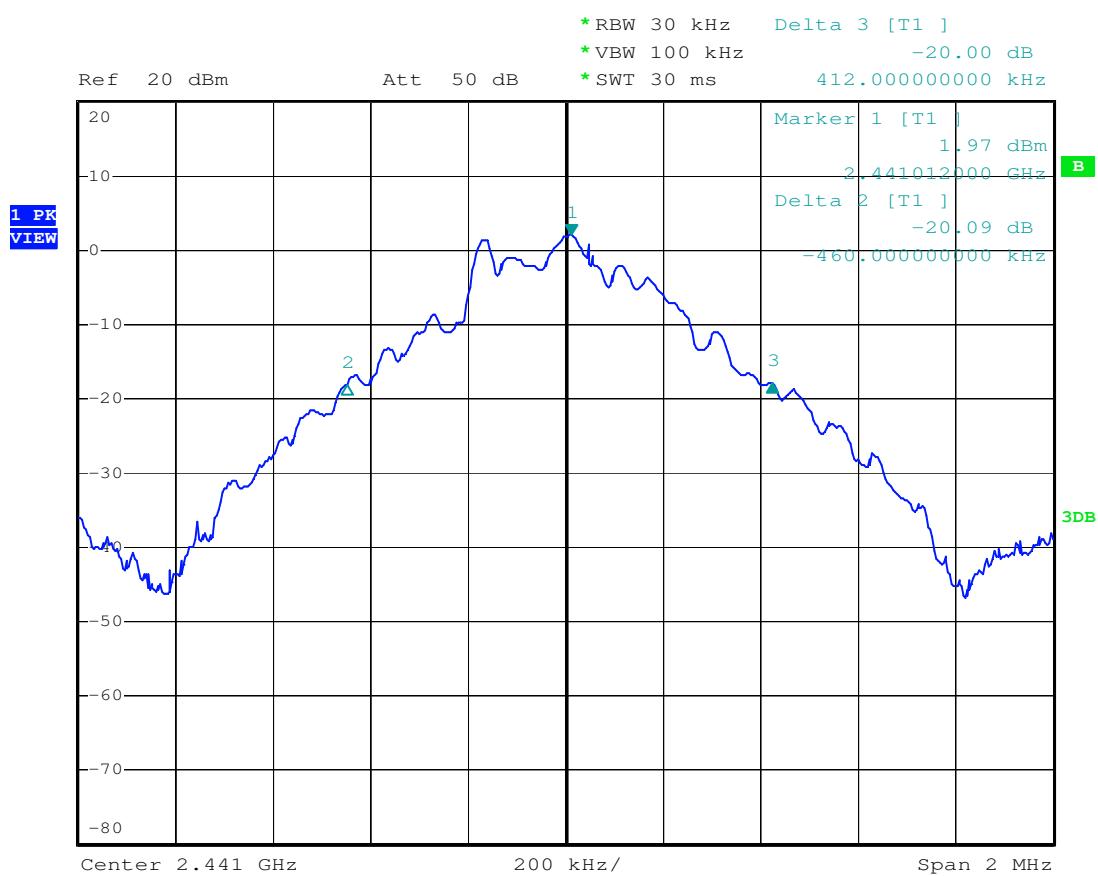
7 List of Tables

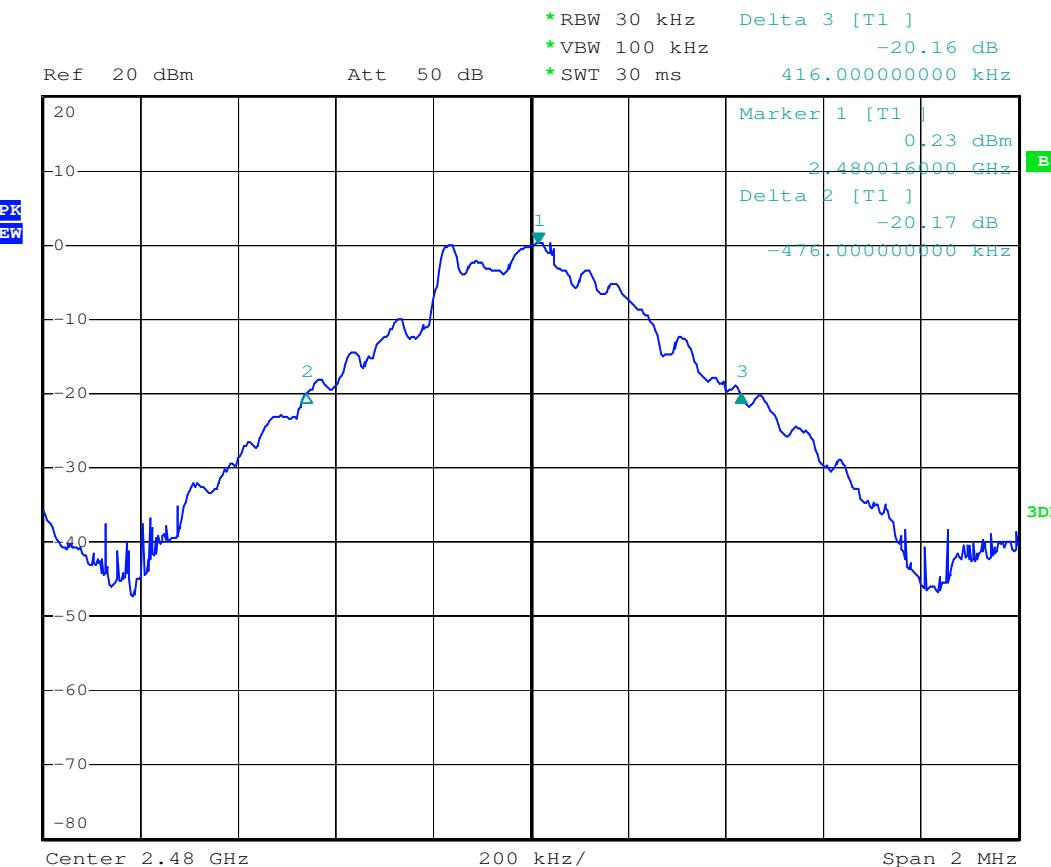
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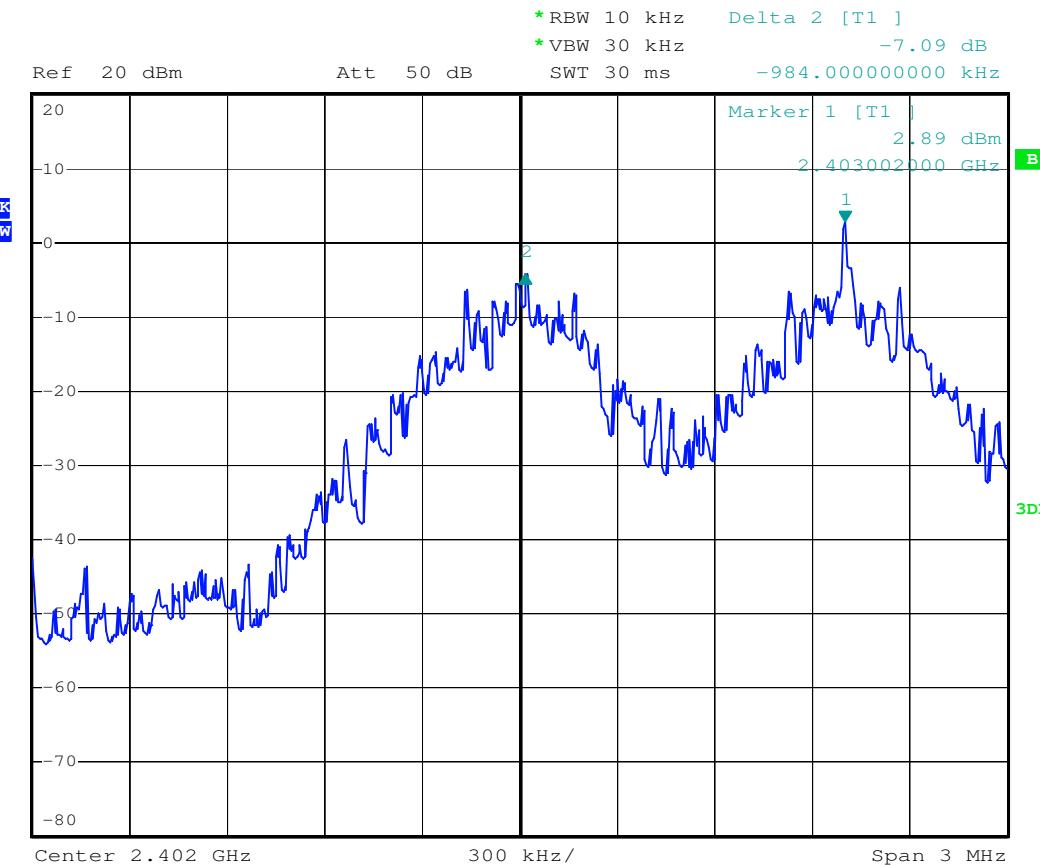
8 List of Photographs

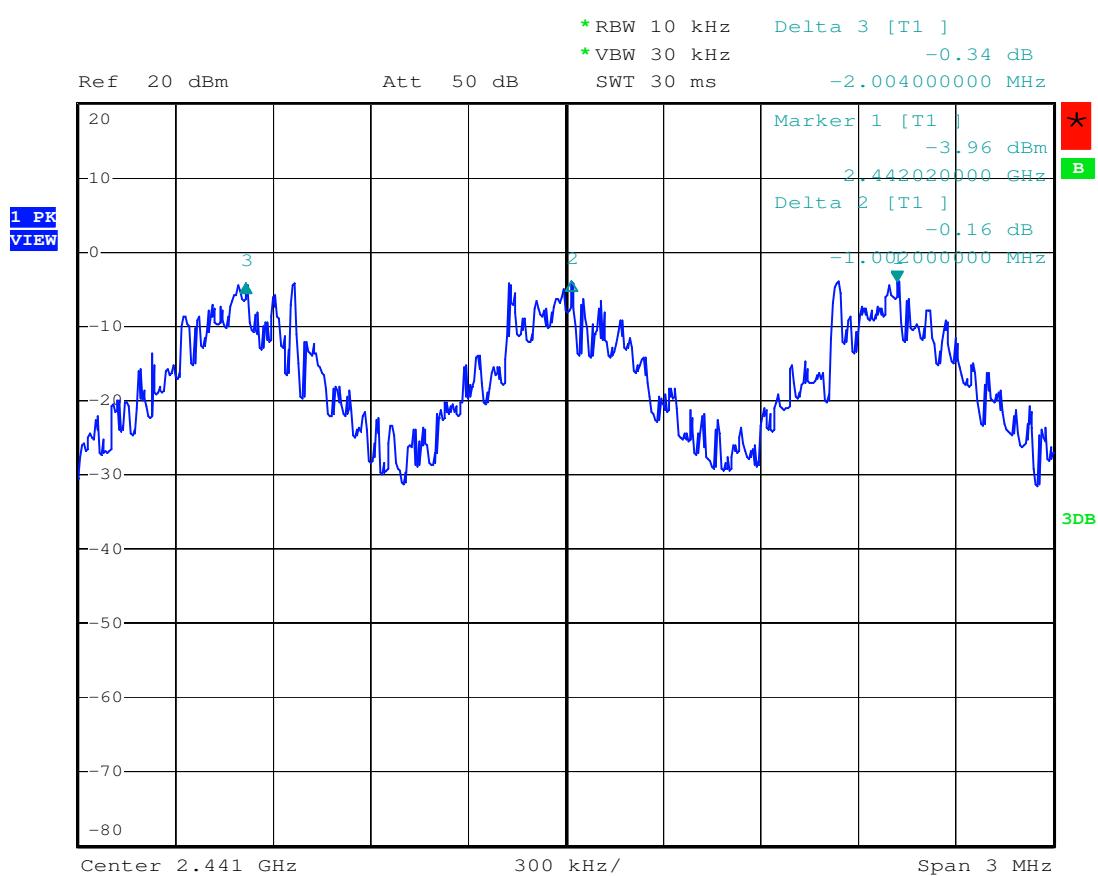
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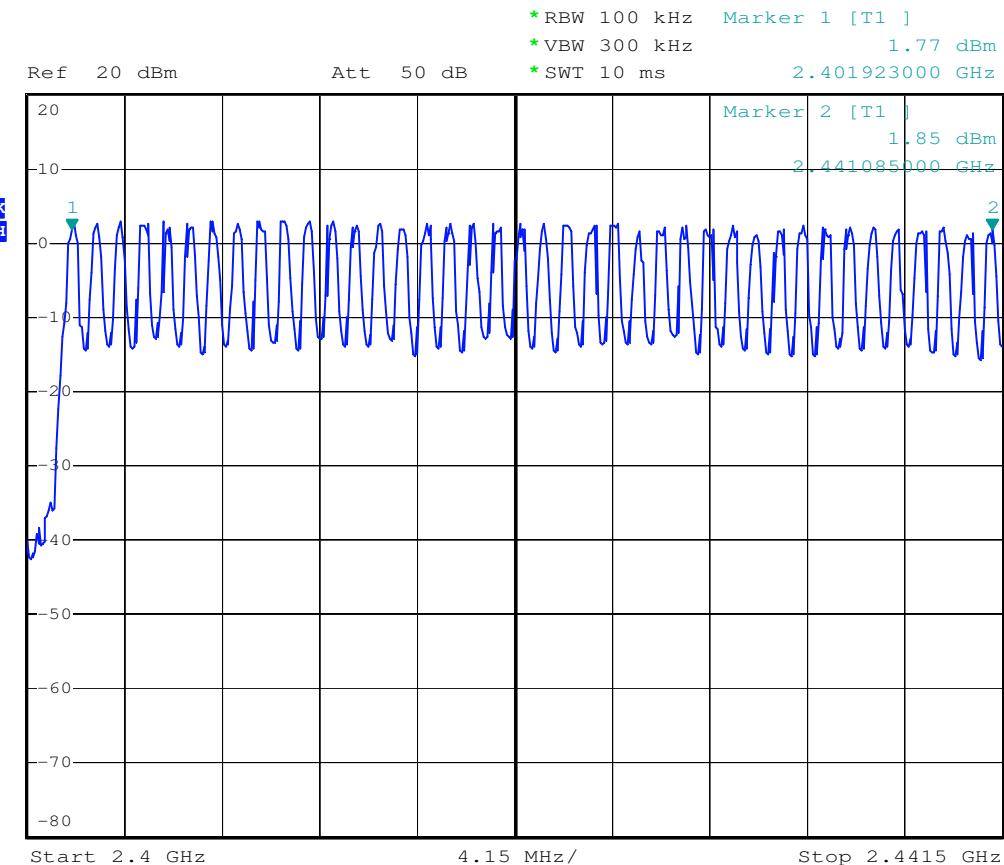
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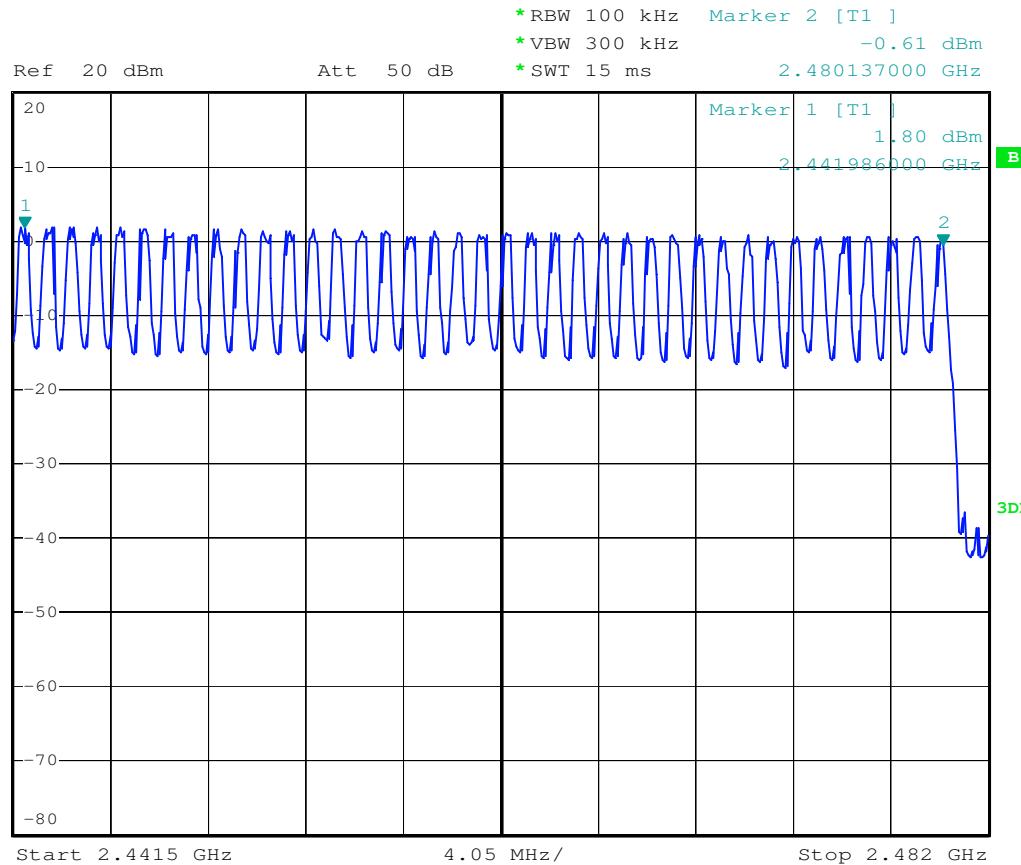
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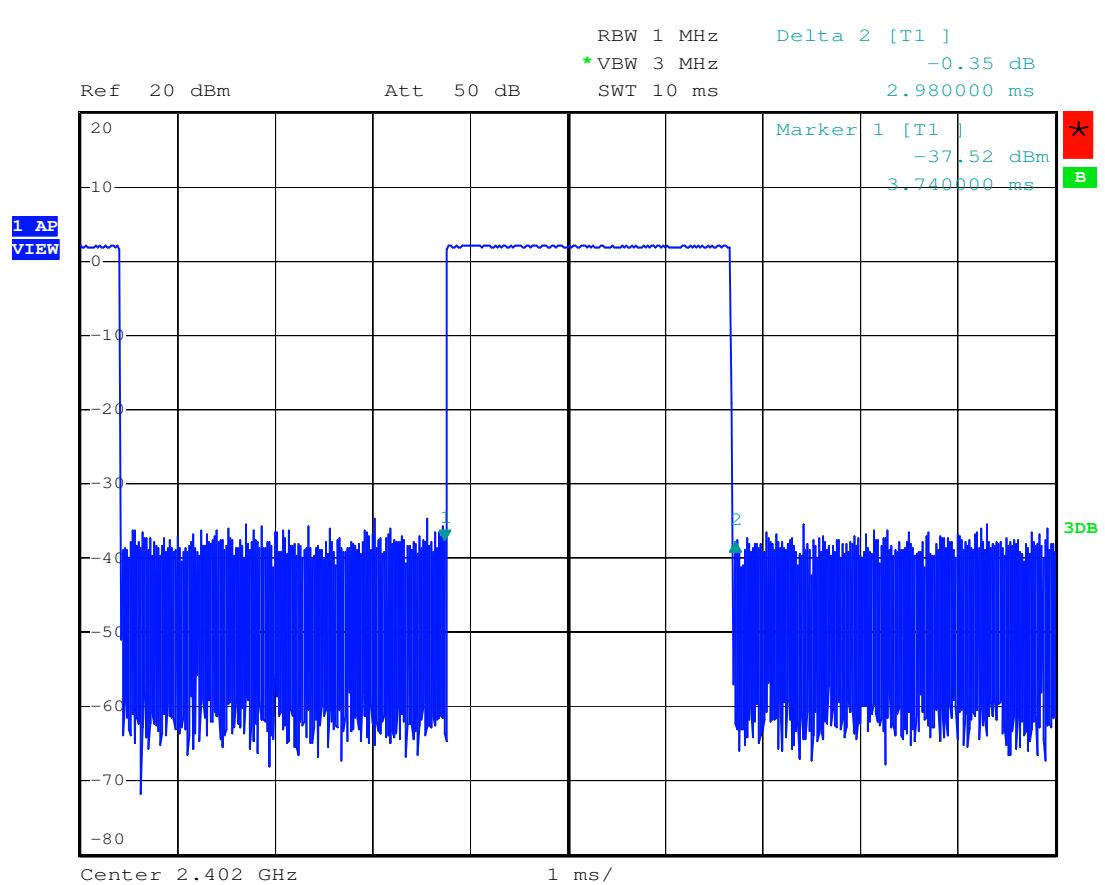
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* VBW 30 kHz
Ref 20 dBm Att 50 dB SWT 30 ms -1.050000000 MHz

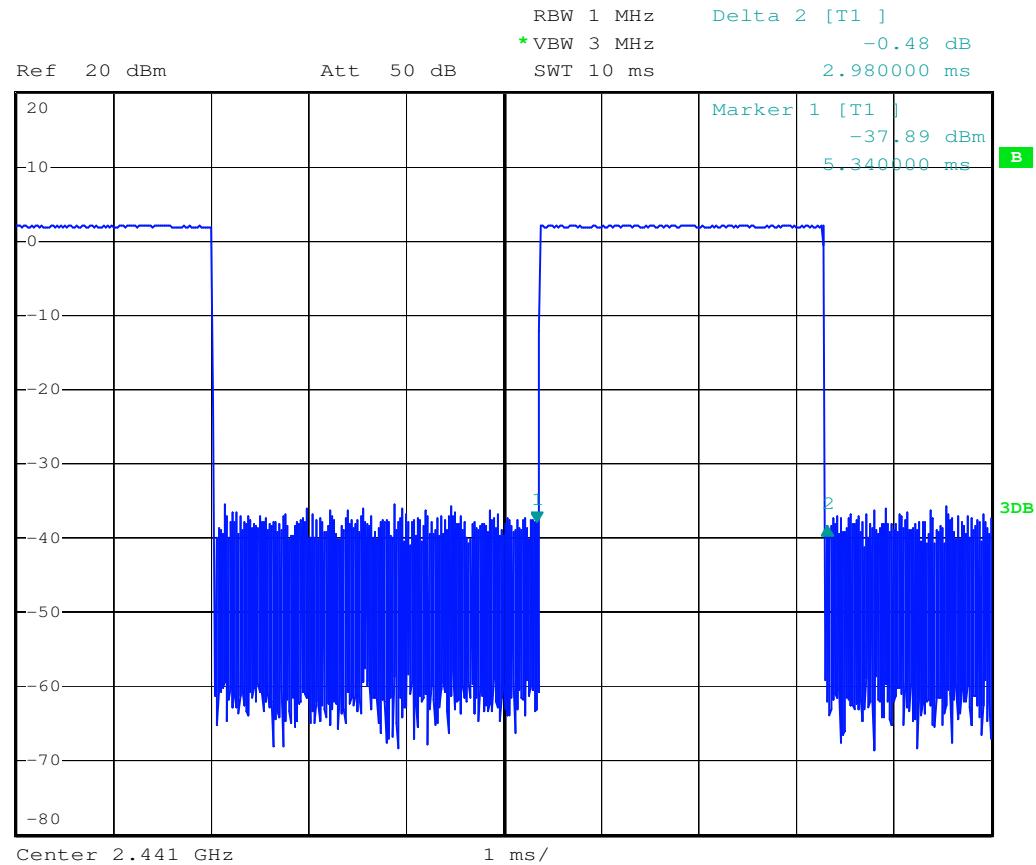


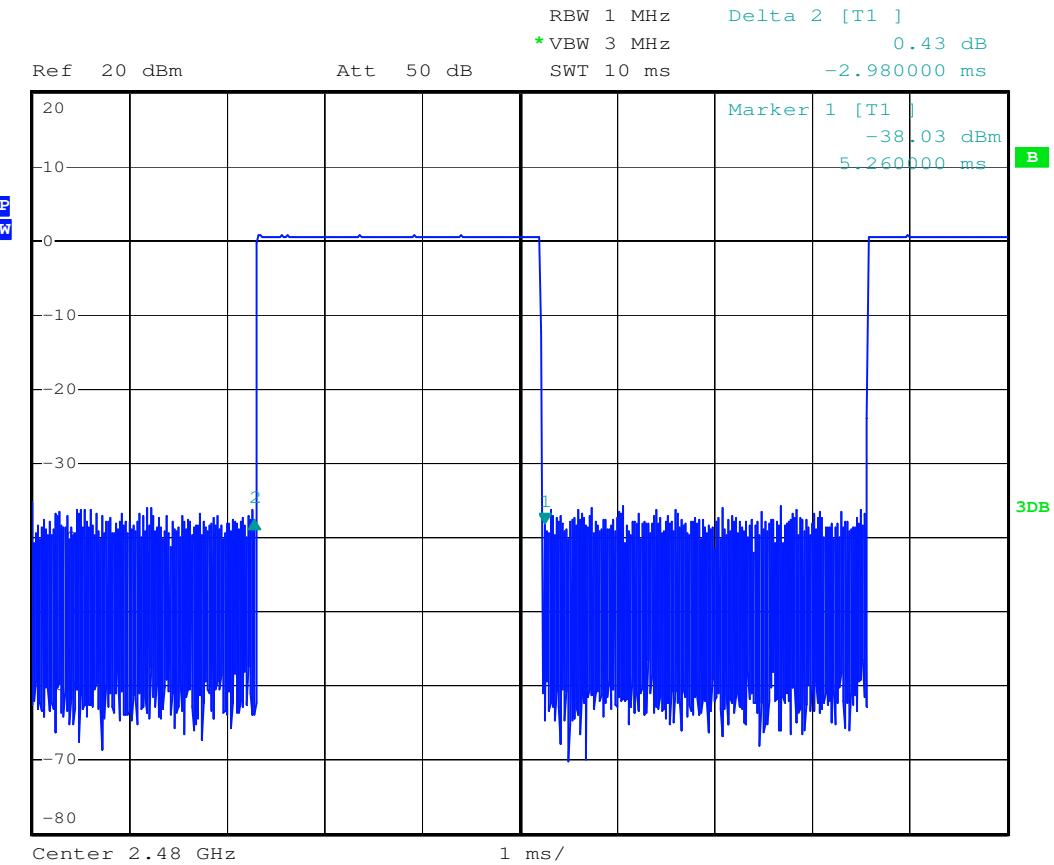
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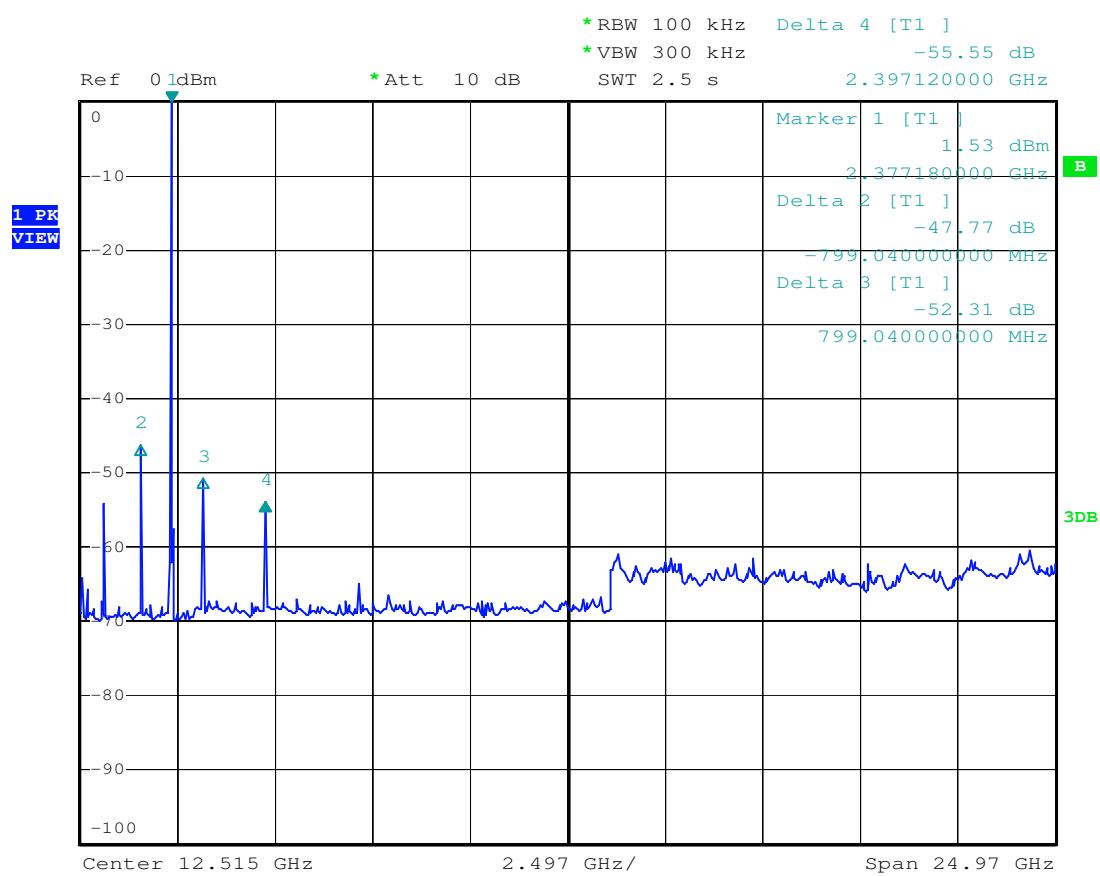
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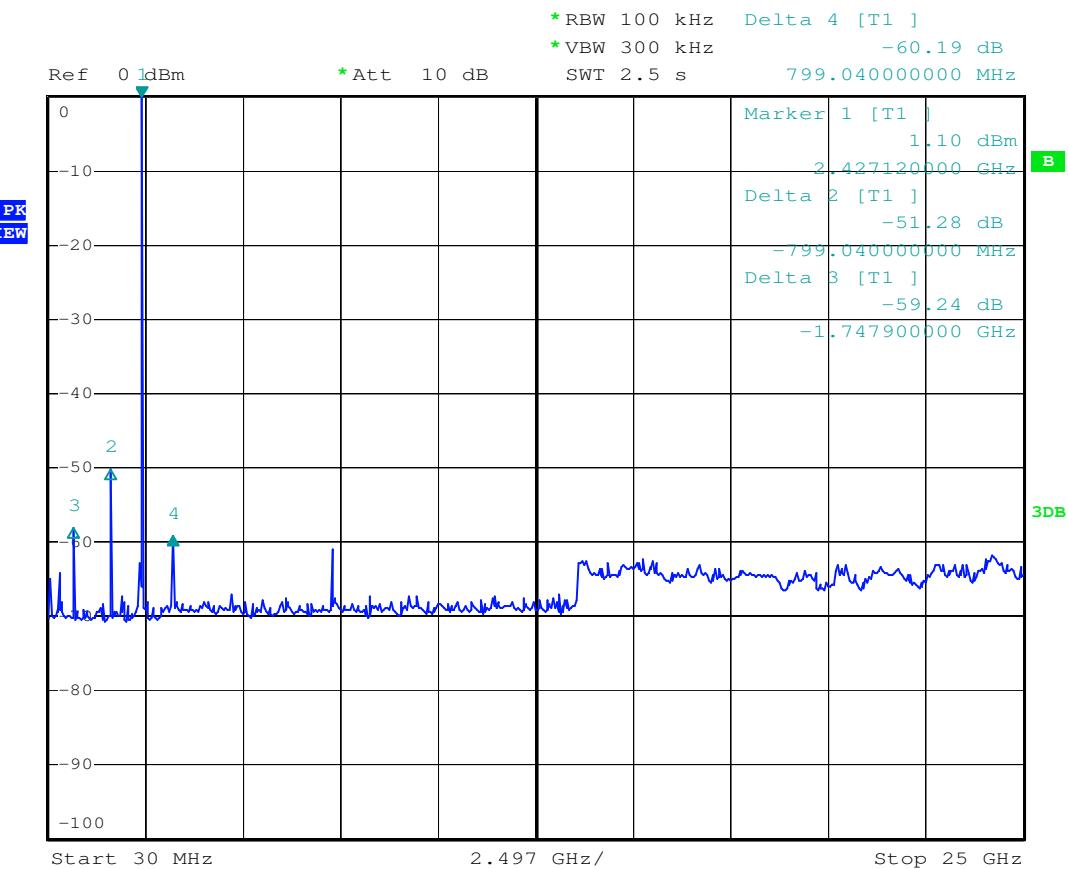
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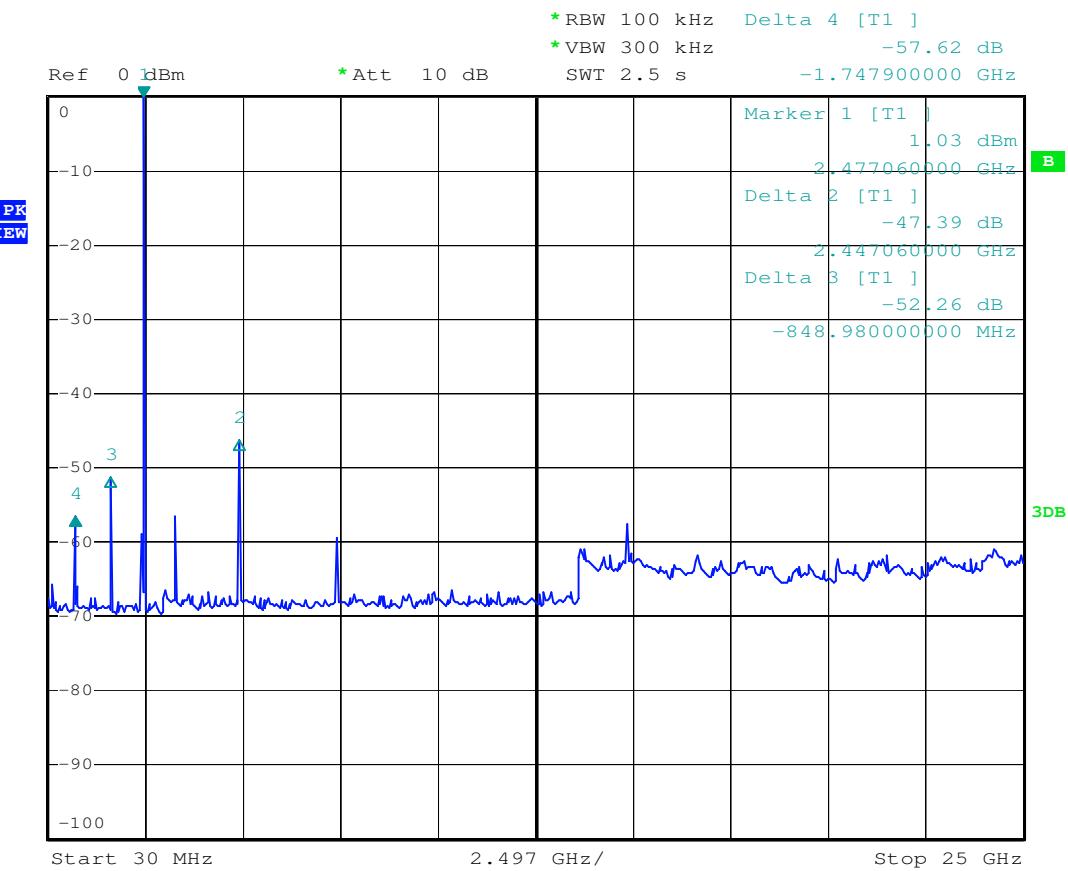
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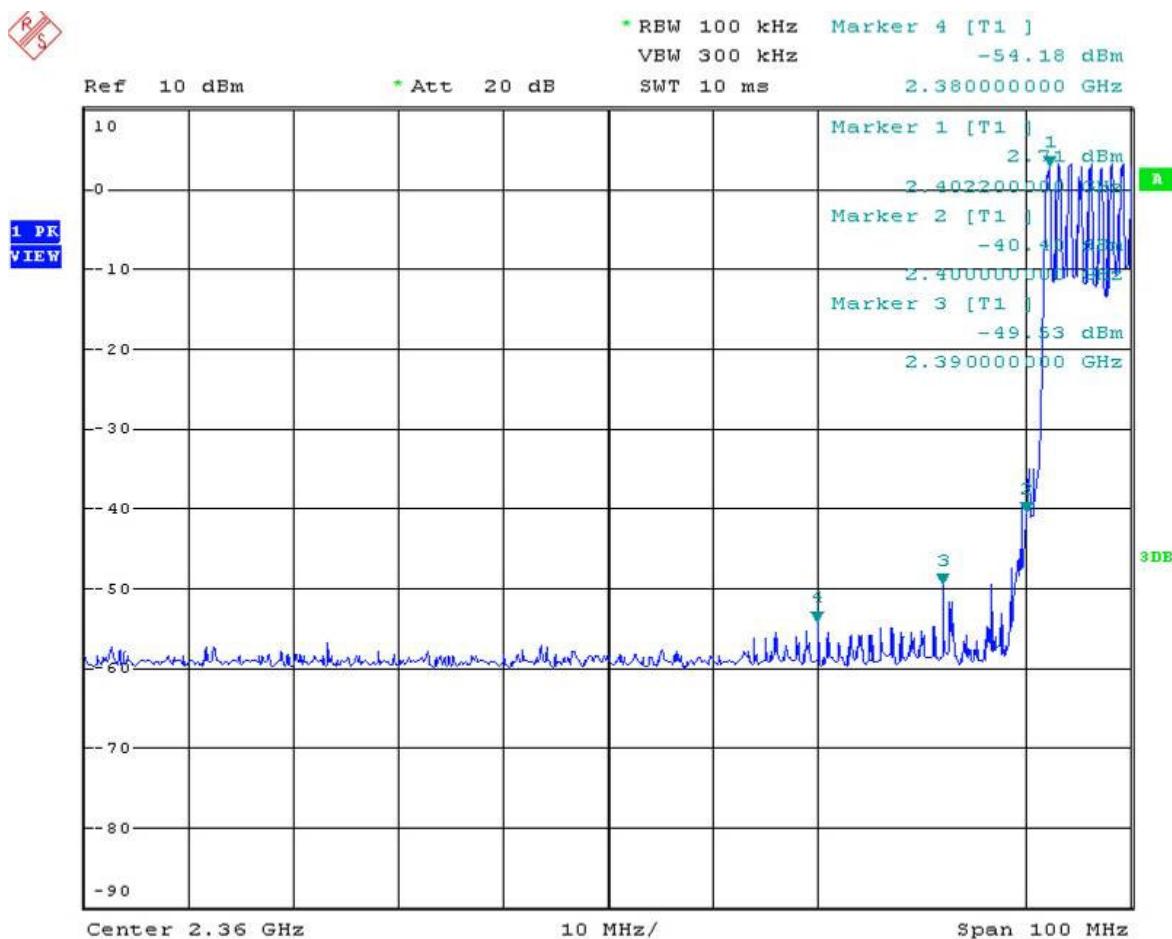
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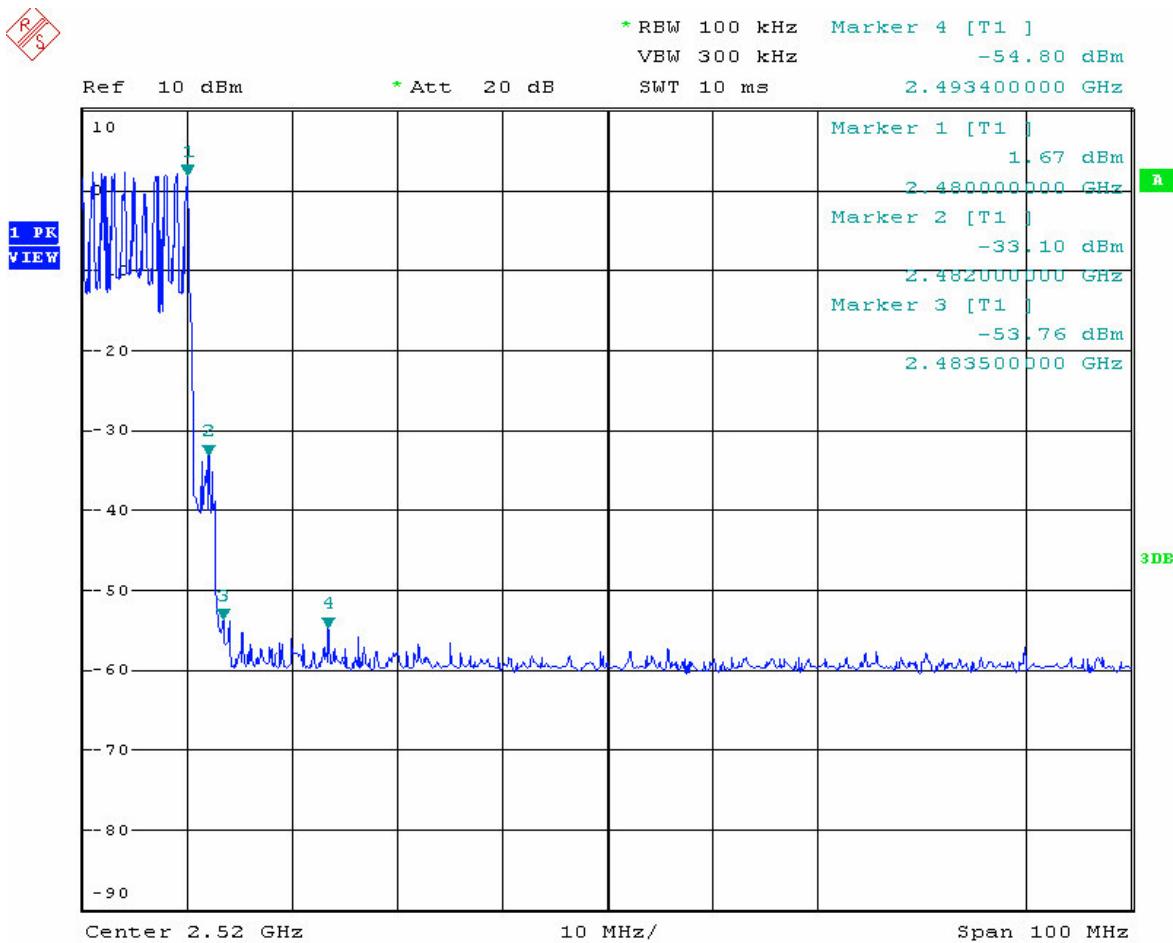


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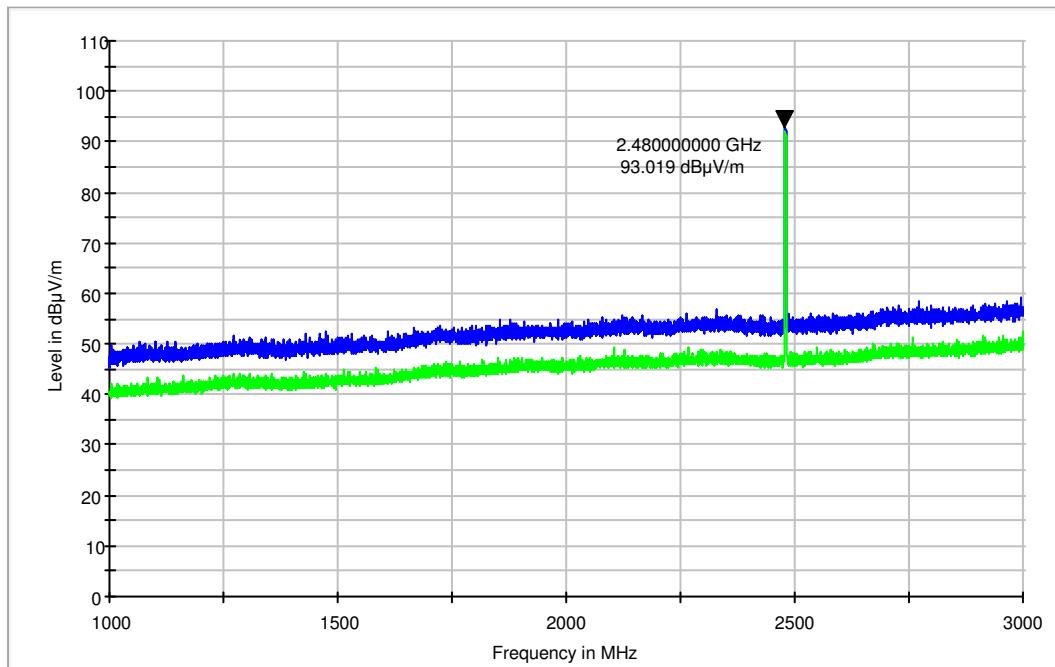
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Manufacturer: K-mate
Test Item: Bluetooth transmitter
Identification: BTT010
Test Standard: FCC Part 15
Test Detail: Radiated Emission
Operation Mode: TX
Climate Condition: 21°C; 57 %RH; 101 kPa.
Test Voltage / Freq. : V/ Hz
Receipt No.: /
Report No. /
Result: Pass
Comment: channel High, Horizontal

Subrange 1

Frequency Range: 1GHz - 3GHz
RBW: 1MHz
VBW: 3MHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



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Manufacturer: K-mate
Test Item: Bluetooth transmitter
Identification BTT010
Test Standard: FCC Part 15
Test Detail: Radiated Emission
Operation Mode: TX
Climate Condition: 21°C; 57 %RH; 101 kPa.
Test Voltage / Freq. : DC3.3V
Receipt No.: /
Report No. /
Result: Pass
Comment: Channel low, Horizontal

Subrange 1

Frequency Range: 1GHz - 3GHz
RBW: 1MHz
VBW: 3MHz
Receiver: TUV FSP 30
Transducer: TUV SAC HF906 / TUV FSP 30-TUV SAC HF906

