

EMC TEST REPORT

Report No. : TS08110027-EME

Model No. : TTD-61R

Issued Date : Nov. 11, 2008

Applicant: **TRANWO TECHNOLOGY CORP.**
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Taiwan

Test Method/ **FCC Part 15 Subpart C Section §15.205 、 §15.207 、**
Standard: **§15.209 、 §15.247, DA 00-705 and ANSI C63.4/2003.**

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Summary of Tests

Digital Wireless Video Baby Monitor -Model: TTD-61R **FCC ID: O6LTTD-61R**

Test	Reference	Results
20dB Bandwidth test	15.247(a)(1)	Pass
Carrier Frequency Separation test	15.247(a)(1)	Pass
Number of hopping frequencies test	15.247(a)(1)	Pass
Time of Occupancy (dwell time) test	15.247(a)(1)	Pass
Maximum Output Power test	15.247(b)	Pass
RF Antenna Conducted Spurious test	15.247(d)	Pass
Radiated Spurious Emission test	15.205, 15.209	Pass
Emission on the Band Edge test	15.247(d)	Pass
AC Power Line Conducted Emission test	15.207	Pass

1. General information

1.1 Identification of the EUT

Applicant:	TRANWO TECHNOLOGY CORP.
Product:	Digital Wireless Video Baby Monitor
Model No.:	TTD-61R
FCC ID.:	O6LTTD-61R
Frequency Range:	2408.63 MHz ~ 2469.38 MHz
Channel Number:	18 channels
Type of Modulation:	FSK
Power Supply:	DC 6 V from Adapter , Model: OH-1048A0600800U1 I/P: 100-240 Vac, 50/60 Hz
Power Cord:	N/A
Sample Received:	Nov. 05, 2008
Test Date(s):	Nov. 06, 2008 ~ Nov. 09, 2008
Note 1:	This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
Note 2:	When determining the test conclusion, the Measurement Uncertainty of test has been considered.

A FCC DoC report has been generated for the client.



1.2 Additional information about the EUT

The EUT is a Digital Wireless Video Baby Monitor, and was defined as information technology equipment.

For more detail features, please refer to User's manual as file name "Installation guide.pdf"

1.3 Antenna description

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

Antenna Gain 1.5 dBi max

Antenna Type Monopole antenna

Connector Type N/A

2. Test specifications

2.1 Test standard

The EUT was performed according to the procedures in FCC Part 15 Subpart C Section § 15.205、§15.207、§15.209、§15.247, DA 00-705 and ANSI C63.4/2003.

The test of radiated measurements according to FCC Part15 Section 15.33(a) had been conducted and the field strength of this frequency band were all meet limit requirement, thus we evaluate the EUT pass the specified test.

2.2 Operation mode

The EUT was supplied with 120 Vac, 60 Hz and it was run in TX mode.

Frequency (MHz)	Channel
2408.63	0
2412.00	6
2415.38	12
2418.75	1
2423.25	7
2426.63	13
2430.00	2
2433.38	8
2436.75	14
2440.13	3
2444.63	9
2448.00	15
2451.38	4
2454.75	10
2458.13	16
2462.63	5
2466.00	11
2469.38	17

2.3 Test equipment

Equipment	Brand	Frequency range	Model No.
EMI Test Receiver	Rohde & Schwarz	9kHz~2.75GHz	ESCS 30
Spectrum Analyzer	Rohde & Schwarz	9kHz~30GHz	FSP 30
Spectrum Analyzer	Rohde & Schwarz	20Hz~40GHz	FSEK 30
Horn Antenna	SCHWARZBECK	1GHz~18GHz	BBHA 9120 D
Horn Antenna	SCHWARZBECK	14GHz~40GHz	BBHA 9170
Bilog Antenna	SCHWARZBECK	25MHz~1.7GHz	VULB 9168
Pre-Amplifier	MITEQ	100MHz~26.5GHz	919981
Pre-Amplifier	MITEQ	26GHz~40GHz	828825
Wideband Peak Power Meter/ Sensor	Anritsu	100MHz~18GHz	ML2487A/ MA2491A
Controller	HDGmbH	N/A	HD 100
Antenna Tower	HDGmbH	N/A	MA 240
Turn Table	HDGmbH	N/A	DS 420S
LISN	Rohde & Schwarz	9KHz~30MHz	ESH3-Z5

Note: The above equipments are within the valid calibration period.

3. 20dB Bandwidth test

3.1 Operating environment

Temperature: 25 °C
 Relative Humidity: 55 %
 Atmospheric Pressure: 1023 hPa

3.2 Test setup & procedure

The test procedure was according to FCC measurement guidelines DA 00-705.

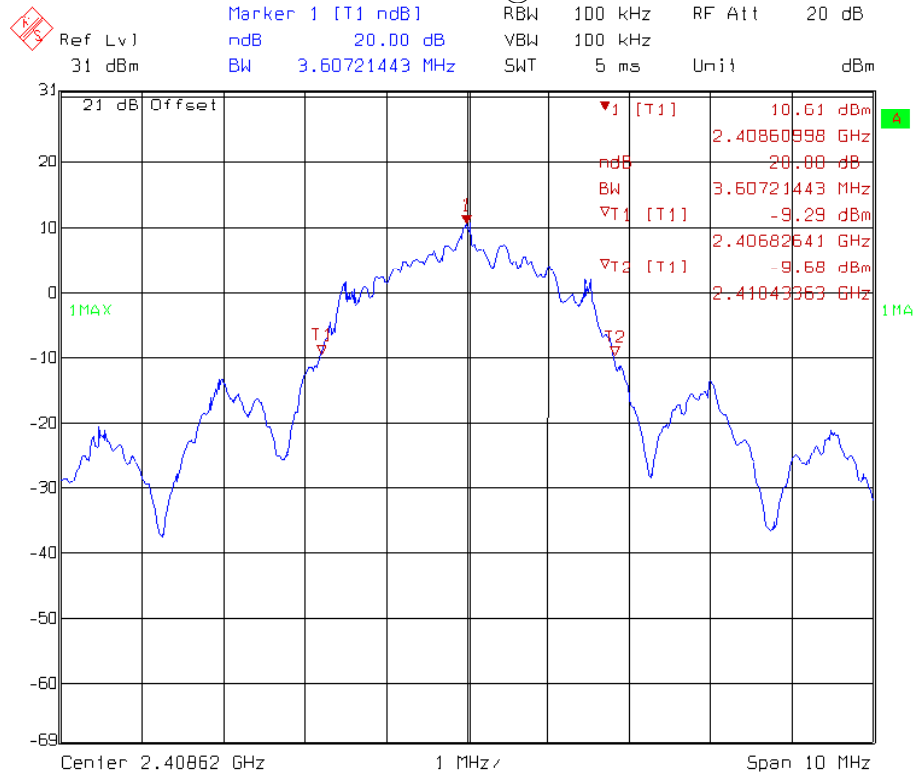
The 20dB bandwidth per FCC §15.247(a)(1) was measured using a 50 ohm spectrum analyzer with the resolutions bandwidth set at 100 kHz, the video bandwidth $\geq$ RBW, and the SPAN may equal to approximately 2 to 3 times the 20dB bandwidth. The test was performed at 3 channels (lowest, middle and highest channel). The maximum 20dB modulation bandwidth is in the following Table.

3.3 Measured data of modulated bandwidth test results

Channel	Frequency (MHz)	Bandwidth (kHz)
0	2408.63	3607.214
14	2436.75	3887.776
17	2469.38	3647.295

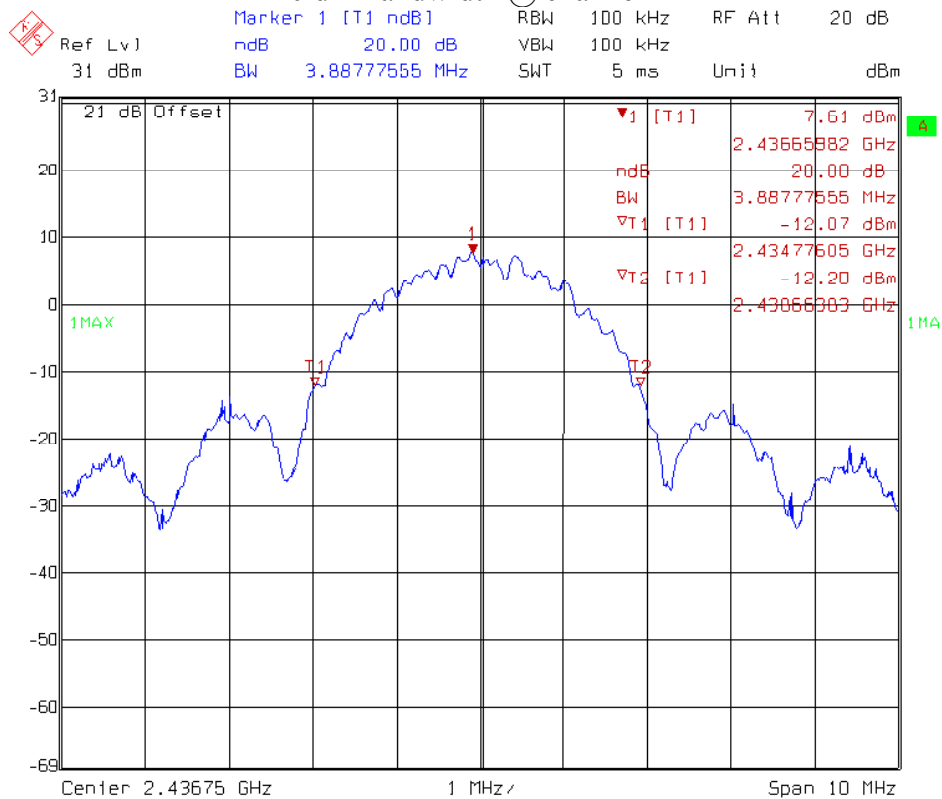
Please see the plot below.

20 dB Bandwidth @ channel 0



Title:
Comment A:

20 dB Bandwidth @ channel 14



Title:
Comment A:

Marker 1 [T1] ndB RBW 100 kHz RF Att 20 dB
 Ref Lvl 31 dBm ndB 20.00 dB VBW 100 kHz
 BW 3.64729459 MHz SWT 5 ms Unit dBm

Marker	Frequency (GHz)	Power (dBm)
1	2.4693810	8.72
2	2.46729459	-11.27
3	2.46754533	-11.32
4	2.47119363	-11.32

Center 2.46938 GHz 1 MHz Span 10 MHz

Title:
Comment A:

4. Carrier Frequency Separation test

4.1 Operating environment

Temperature: 25 °C
Relative Humidity: 55 %
Atmospheric Pressure: 1023 hPa

4.2 Test setup & procedure

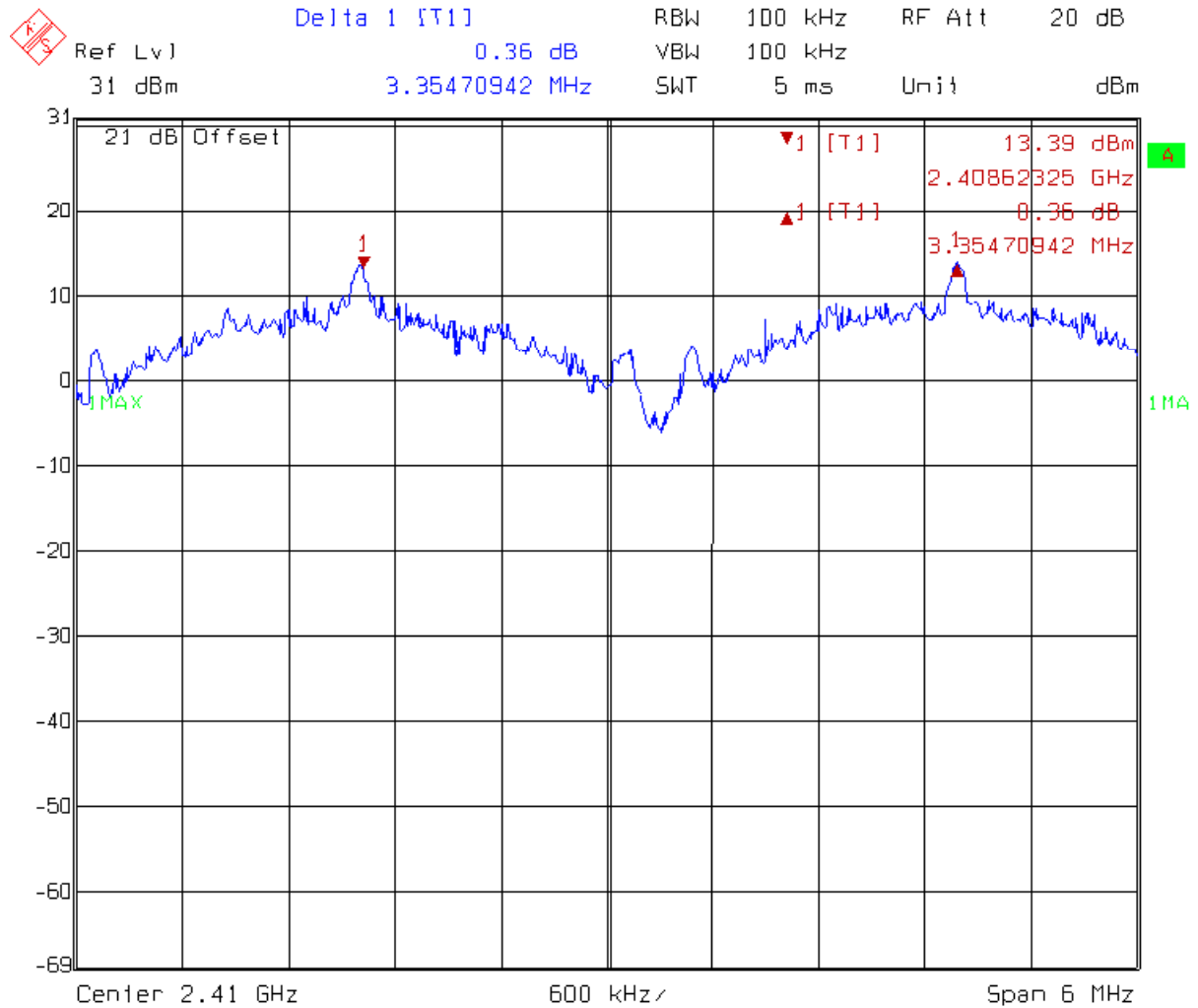
The test procedure was according to FCC measurement guidelines DA 00-705.

The carrier frequency separation per FCC §15.247(a)(1) was measured using a 50 ohm spectrum analyzer with the resolutions bandwidth set at $\geq 1\%$ of the span, the video bandwidth $\geq$ RBW, and the SPAN was wide enough to capture the peaks of two adjacent channels. The carrier frequency separation result is in the following Table.

4.3 Measured data of Carrier Frequency Separation test result

Frequency (MHz)	Measurement Frequency separation (kHz)
2408.63	3354.471
2412.00	

Please see the plot below.



Title:
Comment A:

5. Number of hopping frequencies test

5.1 Operating environment

Temperature: 25 °C
Relative Humidity: 55 %
Atmospheric Pressure: 1023 hPa

5.2 Test setup & procedure

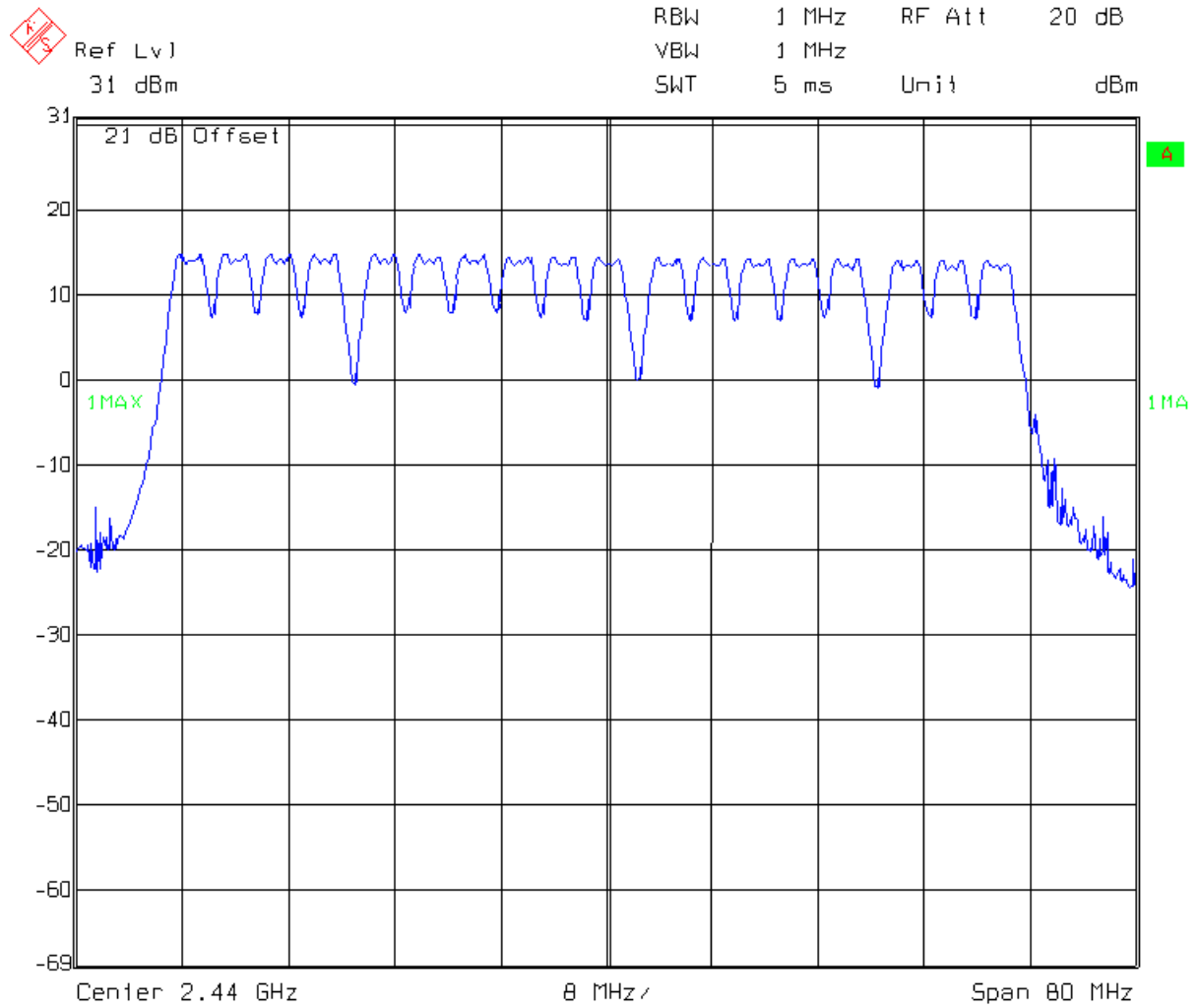
The test procedure was according to FCC measurement guidelines DA 00-705.

The number of hopping frequencies per FCC §15.247(a)(1) was measured using a 50 ohm spectrum analyzer with the resolutions bandwidth set at $\geq 1\%$ of the span, the video bandwidth $\geq$ RBW, and the SPAN was the frequency band of operation. The carrier frequency separation result is in the following Table.

5.3 Measured data of number of hopping frequencies test result

Frequency Range (MHz)	Total hopping channels
2408.63 ~ 2469.38	18

Please see the plot below.



Title:
Comment A:

6. Time of Occupancy (dwell time) test

6.1 Operating environment

Temperature: 25 °C
Relative Humidity: 55 %
Atmospheric Pressure: 1023 hPa

6.2 Test setup & procedure

The test procedure was according to FCC measurement guidelines DA 00-705.

The time of occupancy (dwell time) per FCC §15.247(a)(1) was measured using a 50 ohm spectrum analyzer with the resolutions bandwidth set at 1MHz, the video bandwidth $\geq$ RBW, and the zero span function of spectrum analyzer was enable. The EUT has its hopping function enable.

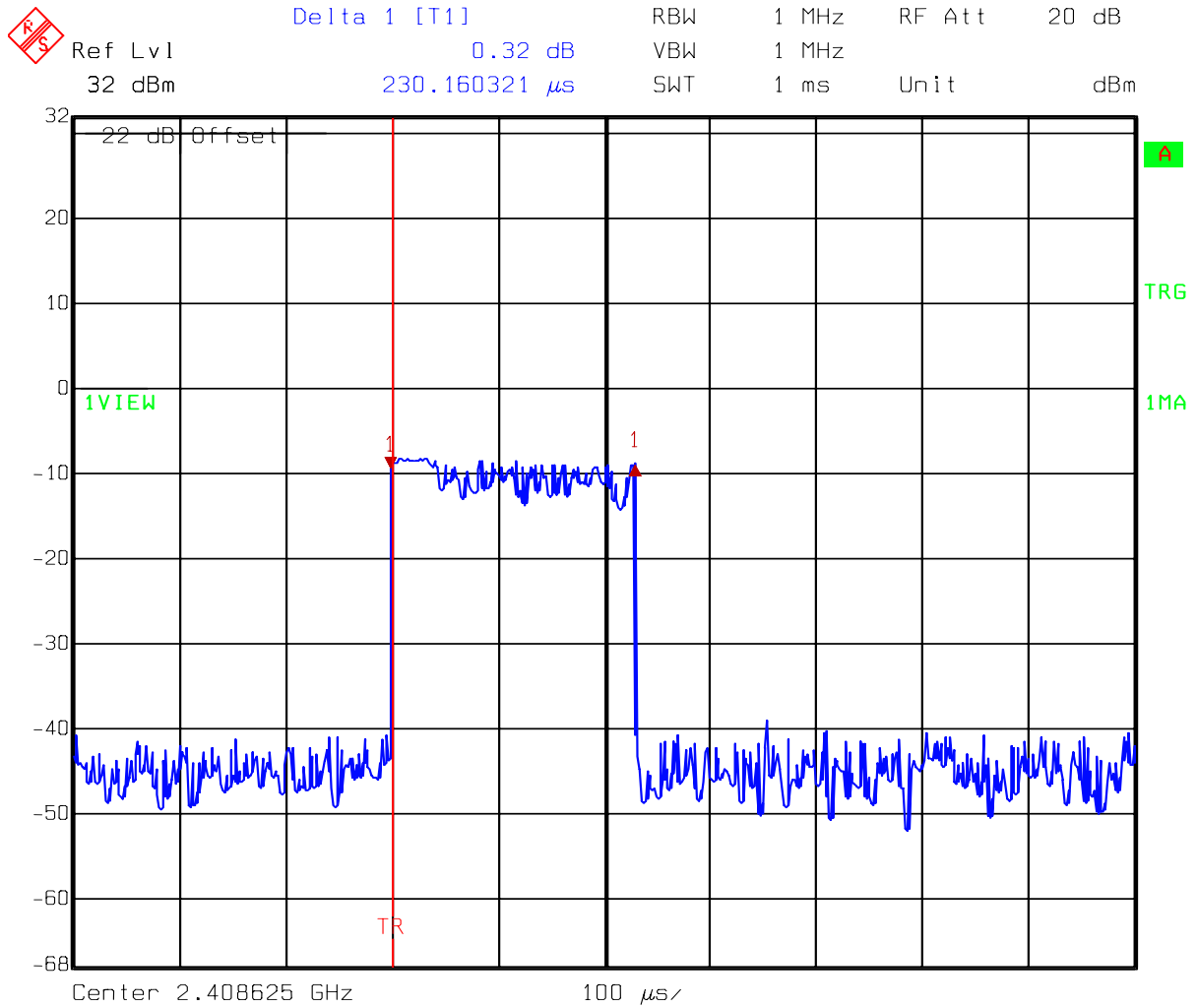
The system makes worst case 1000 hops per second or 1 time slot has a length of 230.16 μ s with 18 channels.

The one package include 5 time slots (4 transmit, 1 receive).

Hop rate = $1/5 * 1000 = 200$ Hz

Dwell time = $0.23 \text{ ms} * 200 \text{ Hz} / 18 * 7.2 \text{ sec}$
 $= 18.4 \text{ ms} < 0.4 \text{ sec}$

Please see the plot below.



Date: 12.NOV.2008 10:08:39

7. Maximum Output Power test

7.1 Operating environment

Temperature: 25 °C
Relative Humidity: 50 %
Atmospheric Pressure: 1022 hPa

7.2 Test setup & procedure

The test procedure was according to FCC measurement guidelines DA 00-705.

The power output per FCC §15.247(b) was measured on the EUT using a 50 ohm SMA cable connected to peak power meter via power sensor. Power was read directly and cable loss correction (2.0 dB) was added to the reading to obtain power at the EUT antenna terminals. The test was performed at 3 channels (lowest, middle and highest channel).

7.3 Measured data of Maximum Output Power test results

Freq. (MHz)	C.L. (dB)	Reading (dBm)	Conducted Peak Output Power		Limit (dBm)
			(dBm)	(mW)	
2408.63 MHz	2.0	14.83	16.83	48.19	21
2436.75 MHz	2.0	14.50	16.50	44.67	21
2469.38 MHz	2.0	14.12	16.12	40.93	21

Remark:

Conducted Peak Output Power = Reading + C.L.



8. RF Antenna Conducted Spurious test

8.1 Operating environment

Temperature:	25	°C
Relative Humidity:	58	%

8.2 Test setup & procedure

The test procedure was according to FCC measurement guidelines DA 00-705.

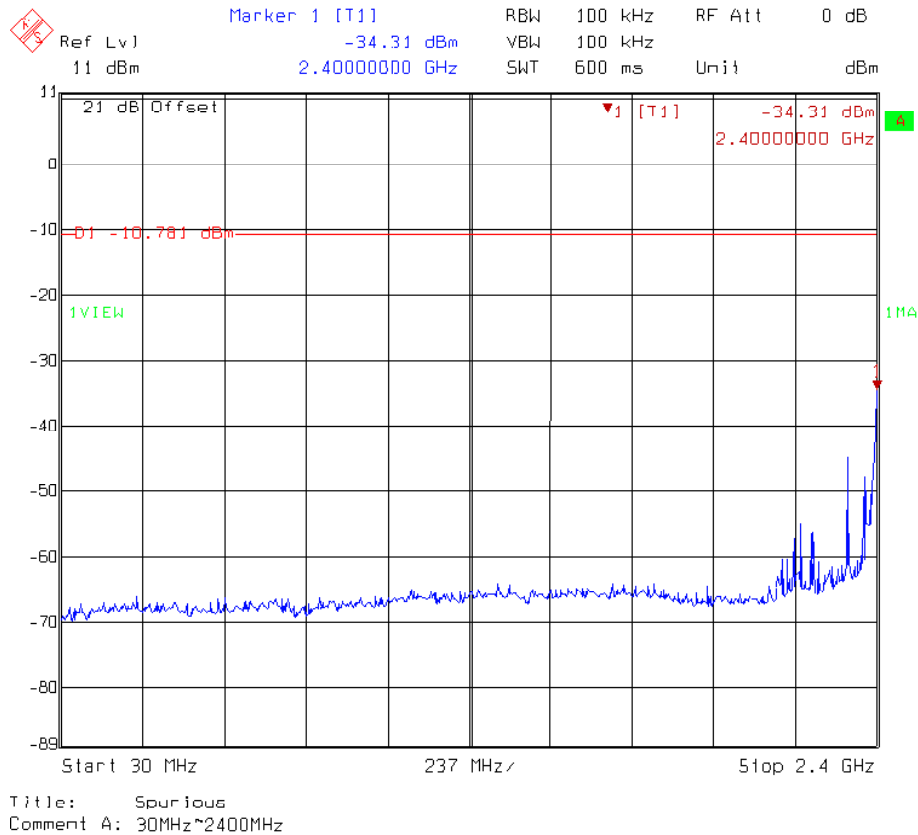
The measurements were performed from 30MHz to 25GHz RF antenna conducted per FCC 15.247 (c) was measured from the EUT antenna port using a 50ohm spectrum analyzer with the resolution bandwidth set at 100 kHz, and the video bandwidth set at 100 kHz.

Harmonics and spurious noise must be at least 20dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. The table below is the results from the highest emission for each channel within the authorized band. This table was used to determine the spurious limits for each channel.

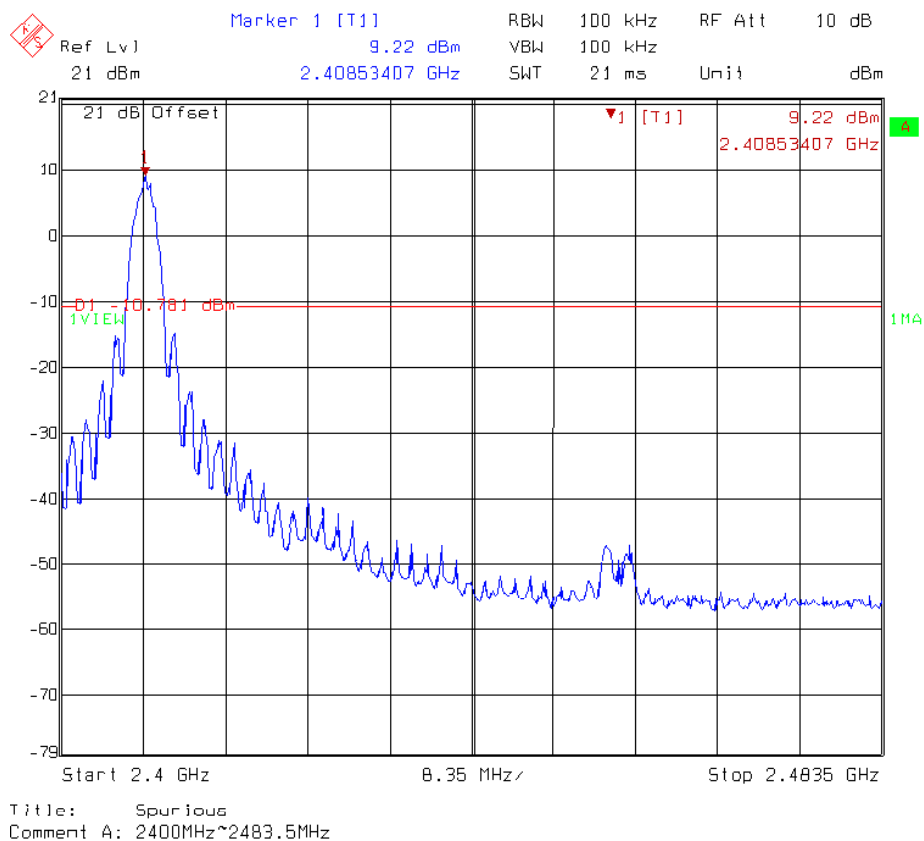
8.3 Measured data of the highest RF Antenna Conducted Spurious test result

The test results please see the plot below.

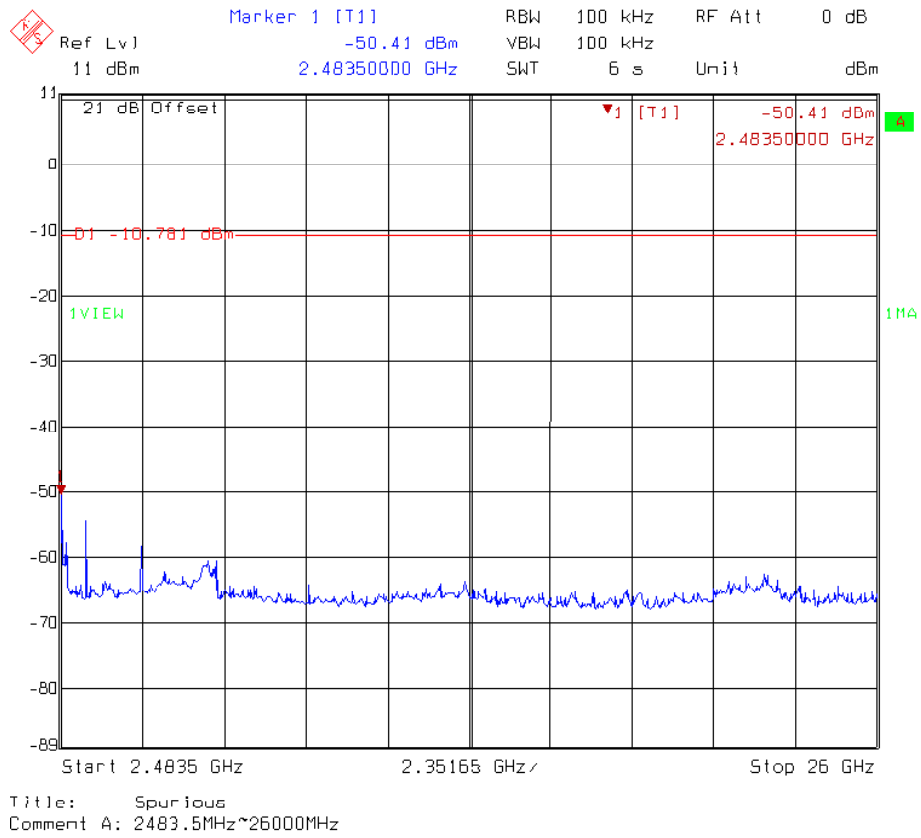
conducted spurious @ channel 0 (1 of 3)



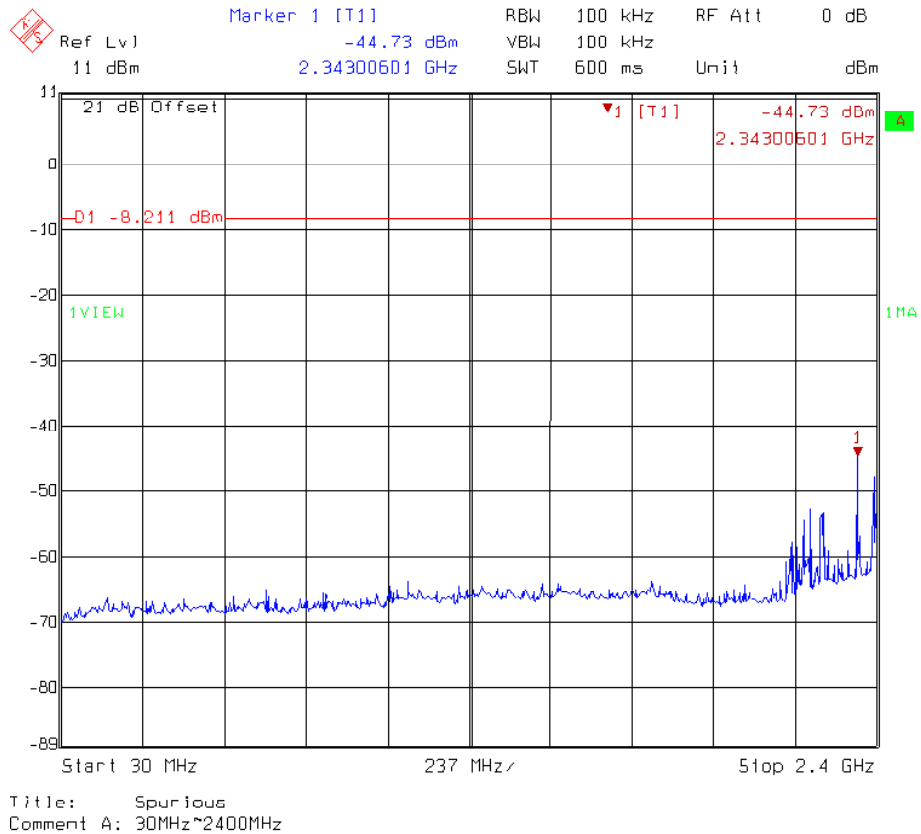
conducted spurious @ channel 0 (2 of 3)



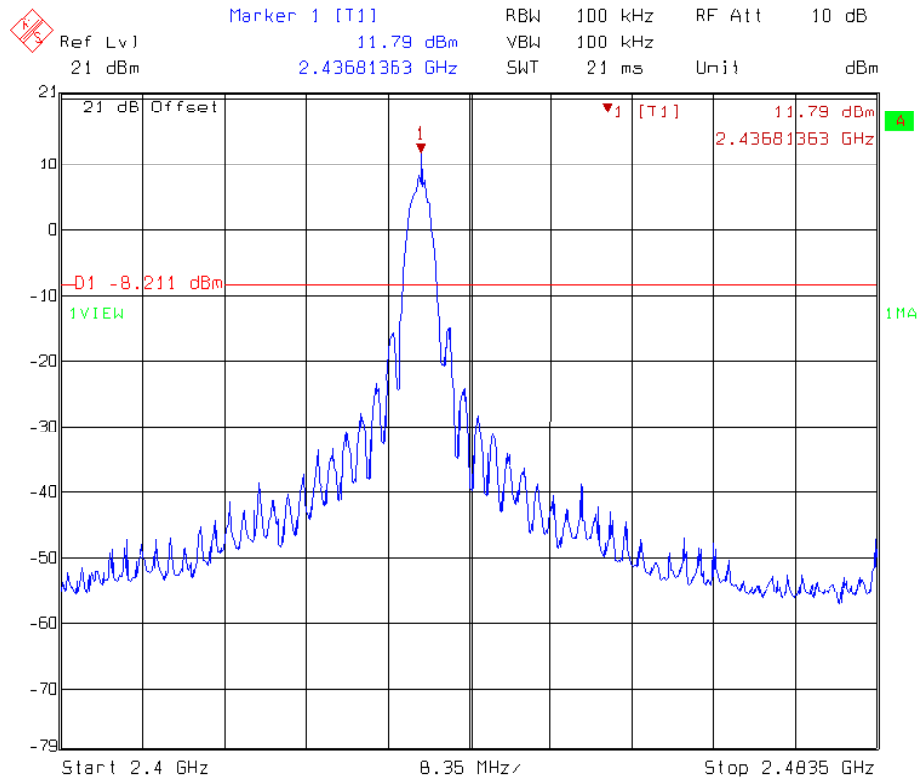
conducted spurious @ channel 0 (3 of 3)



conducted spurious @ channel 14 (1 of 3)

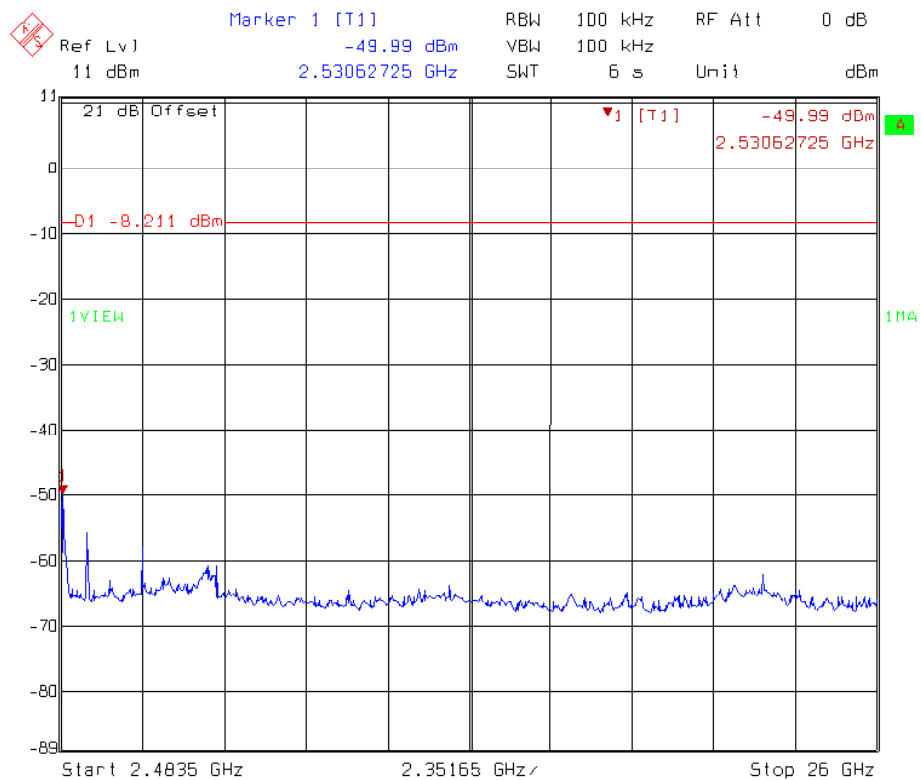


conducted spurious @ channel 14 (2 of 3)



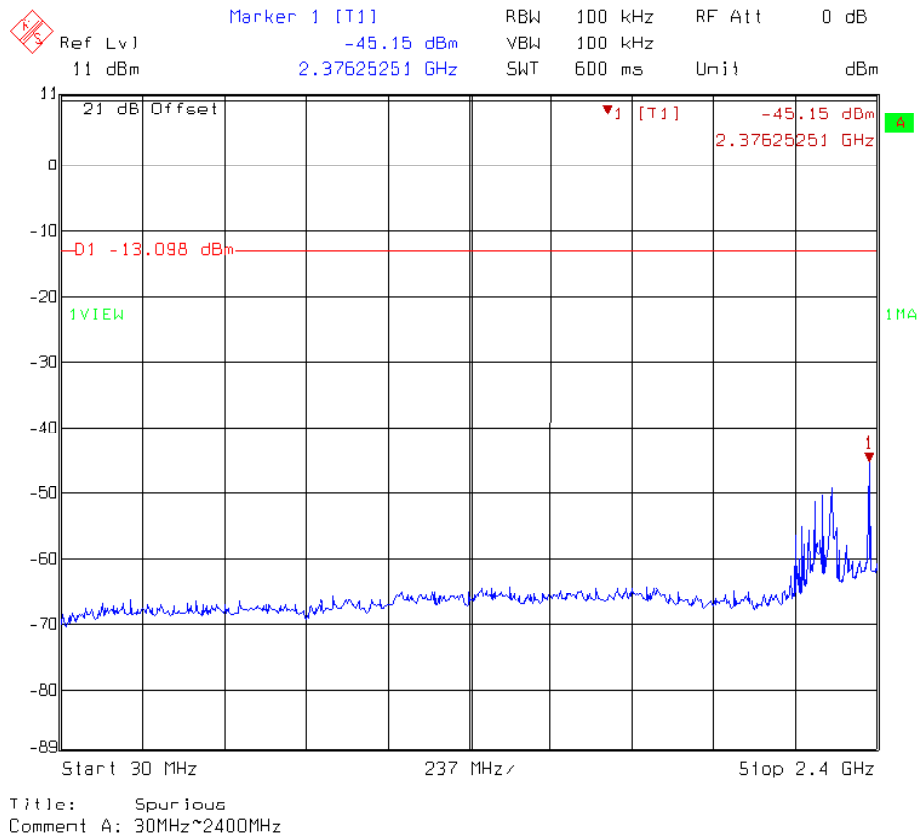
Title: Spurious
Comment A: 2400MHz~2483.5MHz

conducted spurious @ channel 14 (3 of 3)

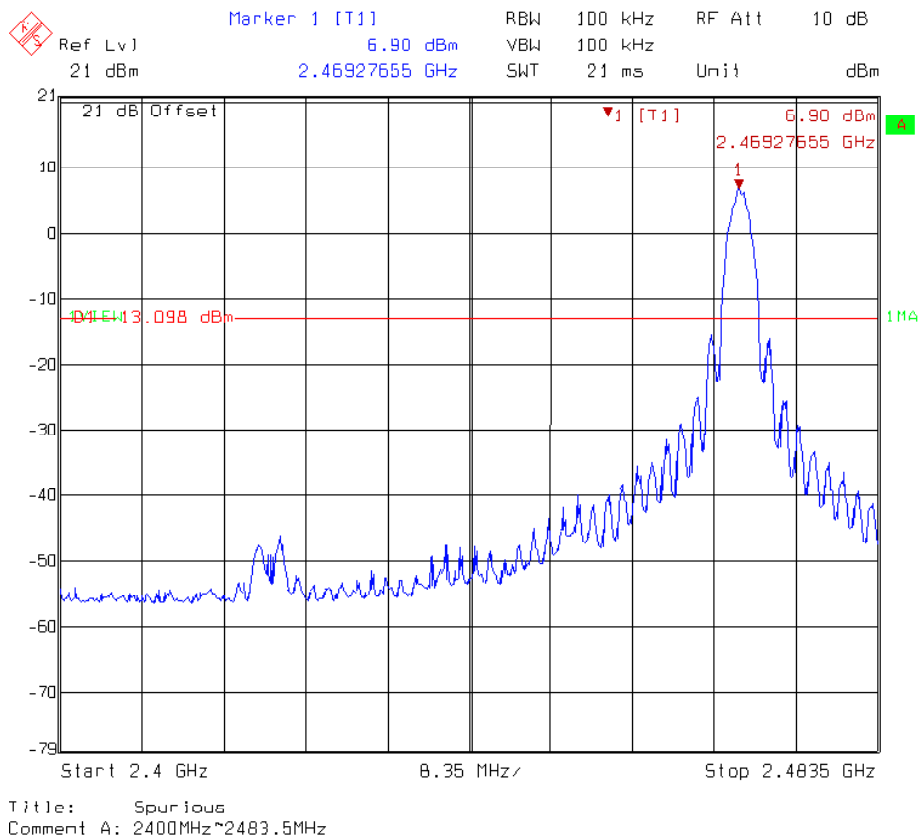


Title: Spurious
Comment A: 2483.5MHz~26000MHz

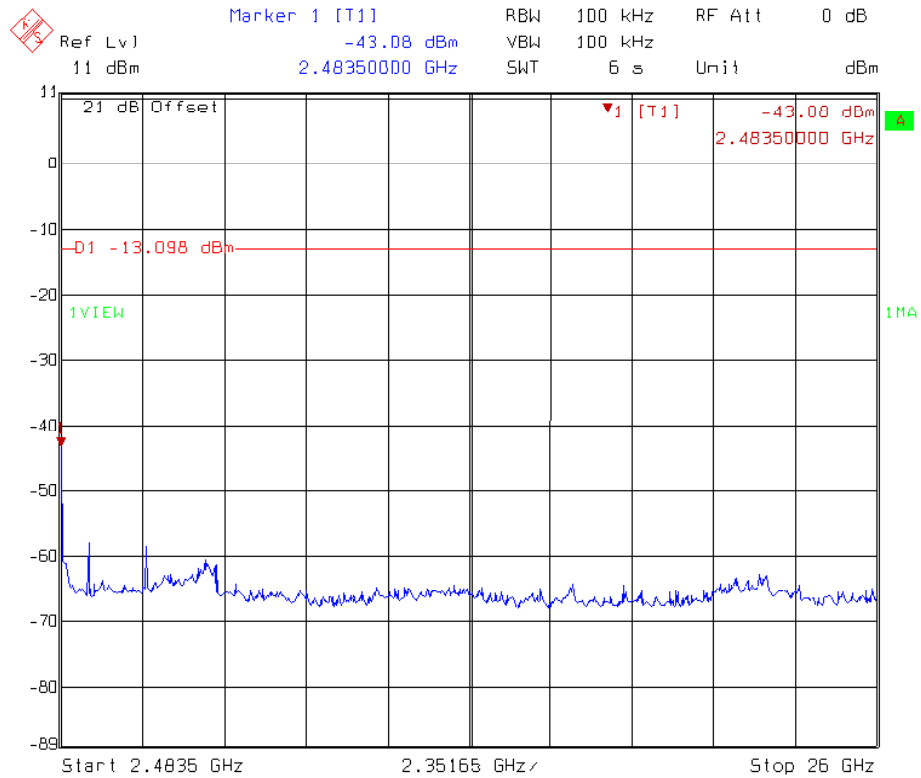
conducted spurious @ channel 17 (1 of 3)



conducted spurious @ channel 17 (2 of 3)



conducted spurious @ channel 17 (3 of 3)



Title: Spurious
Comment A: 2483.5MHz~26000MHz

9. Radiated Emission test

9.1 Operating environment

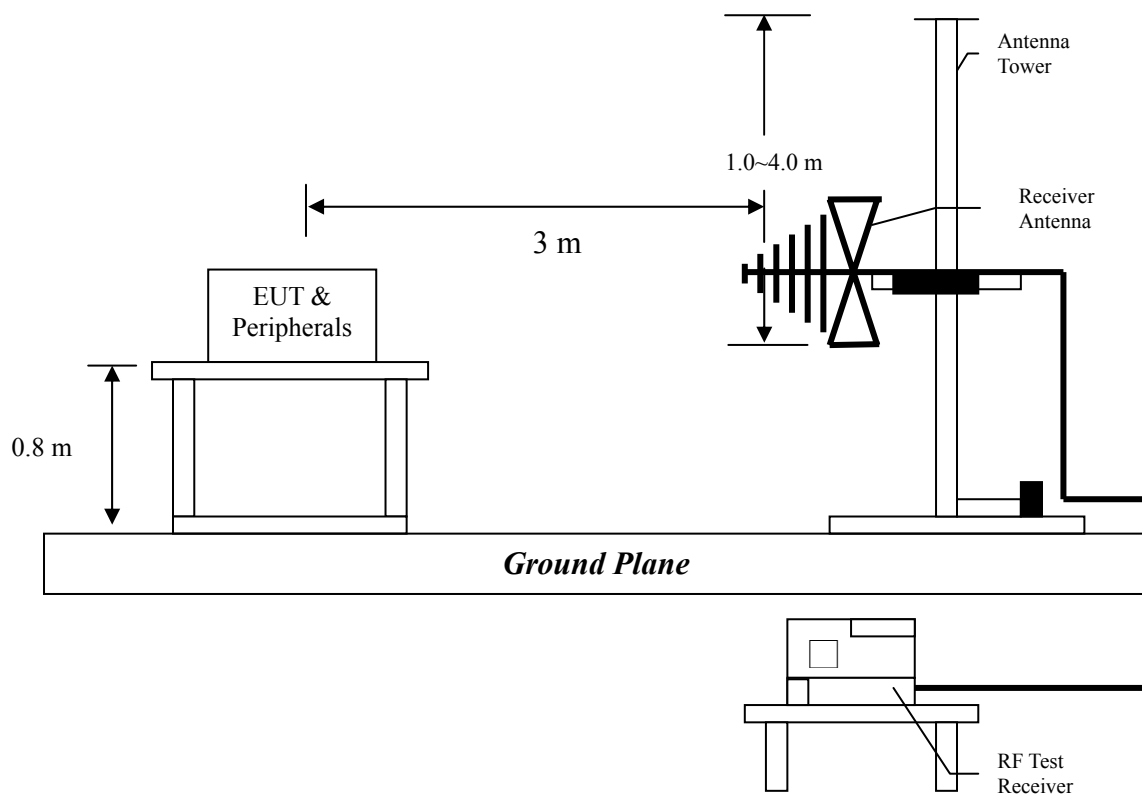
Temperature: 23 °C
Relative Humidity: 53 %
Atmospheric Pressure: 1023 hPa

9.2 Test setup & procedure

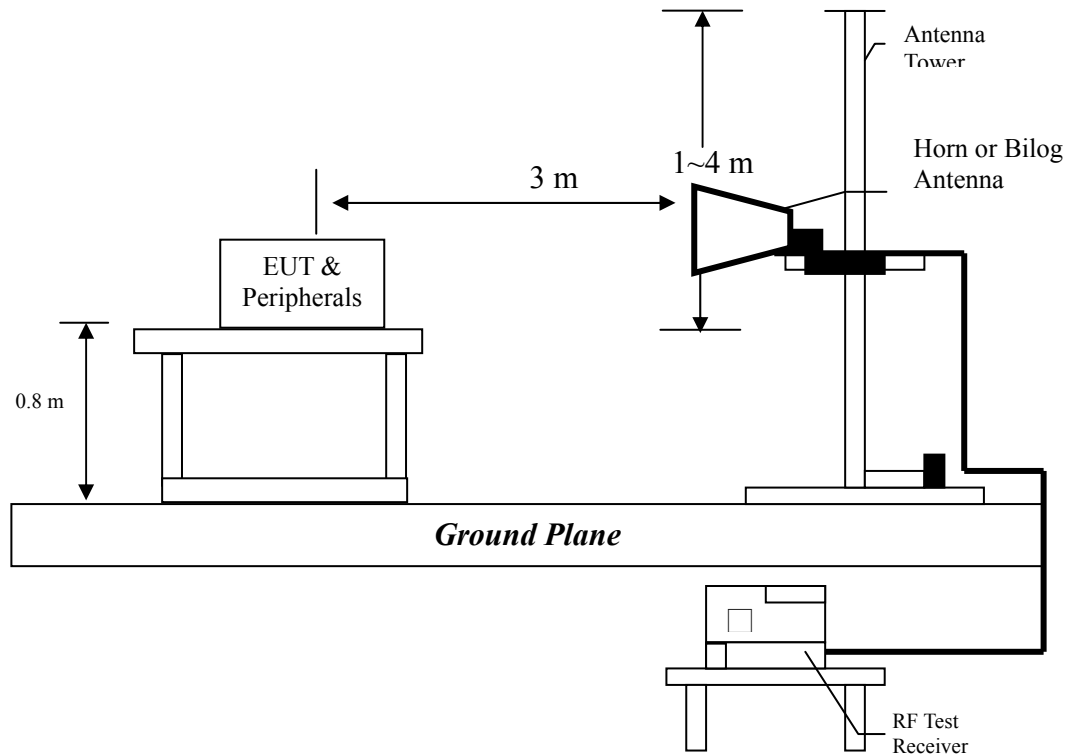
The test procedure was according to FCC measurement guidelines DA 00-705 and ANSI C63.4/2003.

The Diagram below shows the test setup, which is utilized to make these measurements.

The frequency spectrum from 30MHz to 1000MHz was investigated.



The frequency spectrum from over 1GHz was investigated.



The signal is maximized through rotation and placement in the three orthogonal axes.

Radiated emission measurements were performed from 30MHz to 25GHz. Spectrum Analyzer Resolution Bandwidth is 100kHz or greater for frequencies 30MHz to 1GHz, 1MHz – for frequencies above 1GHz.

The EUT for testing is arranged on a wooden turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent 3 meter reading using inverse scaling with distance.

The EUT configuration please refer to the “Spurious set-up photo.pdf”.

9.3 Emission limits

The spurious Emission shall test through the 10th harmonic. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Frequency (MHz)	Limits (dB μ V/m@3m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

Remark:

1. In the above table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

Uncertainty was calculated in accordance with NAMAS NIS 81.

Expanded uncertainty (k=2) of radiated emission measurement is 4.98 dB.

9.4 Radiated spurious emission test data

9.4.1 Measurement results: frequencies equal to or less than 1 GHz

EUT : TTD-61R
Worst Case : Tx at 2408.63 MHz

Antenna Polariz. (V/H)	Freq. (MHz)	Receiver Detector	Corr. Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
V	131.850	QP	11.39	23.62	35.01	43.50	-8.49
V	156.100	QP	15.83	19.94	35.77	43.50	-7.73
V	179.380	QP	14.96	22.70	37.65	43.50	-5.85
V	203.630	QP	11.53	25.35	36.87	43.50	-6.63
V	227.880	QP	12.08	22.44	34.52	46.00	-11.48
V	527.610	QP	19.46	20.15	39.61	46.00	-6.39
V	523.640	QP	18.56	16.84	35.39	46.00	-10.61
H	131.850	QP	12.32	25.02	37.34	43.50	-6.16
H	155.130	QP	13.60	21.15	34.75	43.50	-8.75
H	179.380	QP	13.48	22.18	35.65	43.50	-7.85
H	203.630	QP	10.78	27.32	38.09	43.50	-5.41
H	252.130	QP	12.64	23.23	35.87	46.00	-10.13
H	275.410	QP	13.21	22.71	35.91	46.00	-10.09
H	527.610	QP	19.65	20.46	40.11	46.00	-5.89

Remark:

1. Corr. Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Corr. Factor

9.4.2 Calculation of Average Factor (Duty cycle correction factor)

The specification for output field strengths in accordance with the FCC rules specify measurements with an average detector. During testing, a spectrum analyzer incorporating a peak detector was used. Therefore, a reduction factor can be applied to the resultant peak signal level and compared to the limit for measurement instrumentation incorporating an average detector.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a “duty cycle correction factor”, derived from $20\log(\text{dwell time}/100 \text{ ms})$, in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

Averaging factor in dB = $20\log(\text{dwell time}/100 \text{ ms})$

Dwell time = 18.4 ms

Therefore, the averaging factor is found by $20 \log_{10} 0.184 = -14.7 \text{ dB}$

9.4.3 Measurement results: frequency above 1GHz

EUT : TTD-61R
Test Condition : Tx at 2408.63 MHz

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Average Factor (dB)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
2313.20	PK	V	31.70	24.90	0.00	56.60	74.00	-17.40
2313.20	AV	V	31.70	24.90	-14.70	41.90	54.00	-12.10
2360.80	PK	V	31.91	22.19	0.00	54.10	74.00	-19.90
2360.80	AV	V	31.91	22.19	-14.70	39.40	54.00	-14.60
2313.20	PK	H	31.70	24.94	0.00	56.64	74.00	-17.36
2313.20	AV	H	31.70	24.94	-14.70	41.94	54.00	-12.06
2363.60	PK	H	31.92	21.75	0.00	53.67	74.00	-20.33
2363.60	AV	H	31.92	21.75	-14.70	38.97	54.00	-15.03
4816.00	PK	V	3.95	39.21	0.00	43.16	74.00	-30.84
4816.00	AV	V	3.95	39.21	-14.70	28.46	54.00	-25.54
7224.00	PK	V	12.15	47.42	0.00	59.57	74.00	-14.43
7224.00	AV	V	12.15	47.42	-14.70	44.87	54.00	-9.13
4816.00	PK	H	3.95	44.19	0.00	48.14	74.00	-25.86
4816.00	AV	H	3.95	44.19	-14.70	33.44	54.00	-20.56
7224.00	PK	H	12.15	49.82	0.00	61.97	74.00	-12.03
7224.00	AV	H	12.15	49.82	-14.70	47.27	54.00	-6.73

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain

EUT : TTD-61R
 Test Condition : Tx at 2436.75 MHz

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Average Factor (dB)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4872.00	PK	V	4.05	40.90	0.00	44.95	74.00	-29.05
4872.00	AV	V	4.05	40.90	-14.70	30.25	54.00	-23.75
7308.00	PK	V	12.37	46.86	0.00	59.23	74.00	-14.77
7308.00	AV	V	12.37	46.86	-14.70	44.53	54.00	-9.47
4872.00	PK	H	4.05	44.33	0.00	48.38	74.00	-25.62
4872.00	AV	H	4.05	44.33	-14.70	33.68	54.00	-20.32
7308.00	PK	H	12.37	48.32	0.00	60.69	74.00	-13.31
7308.00	AV	H	12.37	48.32	-14.70	45.99	54.00	-8.01

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain

EUT : TTD-61R
 Test Condition : Tx at 2469.38 MHz

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Average Factor (dB)	Corrected Level (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
4938.00	PK	V	4.15	47.99	0.00	52.14	74.00	-21.86
4938.00	AV	V	4.15	47.99	-14.70	37.44	54.00	-16.56
7407.00	PK	V	12.58	46.93	0.00	59.51	74.00	-14.49
7407.00	AV	V	12.58	46.93	-14.70	44.81	54.00	-9.19
4938.00	PK	H	4.15	44.08	0.00	48.23	74.00	-25.77
4938.00	AV	H	4.15	44.08	-14.70	33.53	54.00	-20.47
7407.00	PK	H	12.58	47.62	0.00	60.20	74.00	-13.80
7407.00	AV	H	12.58	47.62	-14.70	45.50	54.00	-8.50

Remark:

1. Correction Factor = Antenna Factor + Cable Loss
2. Corrected Level = Reading + Correction Factor – Preamp. Gain

10. Emission on the band edge §FCC 15.247(C)

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

10.1 Test setup & procedure

Please refer to the clause 9.2 of this report.

10.2 Test Result

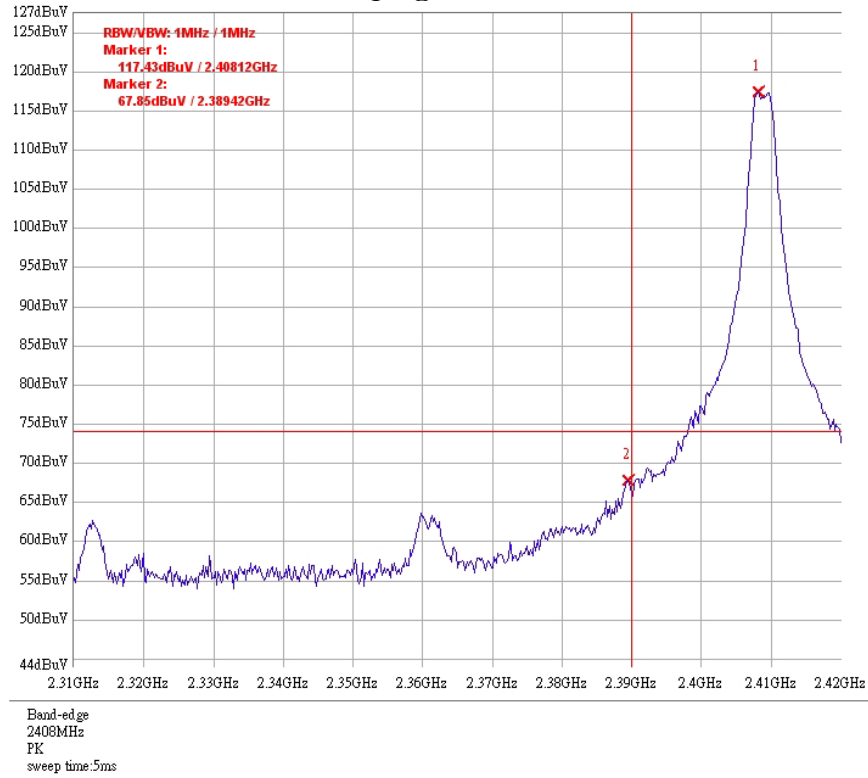
Test Mode: GFSK mode

Channel	Measurement Freq.Band (MHz)	Detector	The Max. Field Strength in Restrict Band (dBuV/m)	Limit @ 3 m (dBuV/m)	Margin (dB)
0 (lowest)	2310-2390	PK	67.85	74	-6.15
		AV	53.15	54	-0.85
17 (highest)	2483.5-2500	PK	66.80	74	-7.20
		AV	52.10	54	-1.90

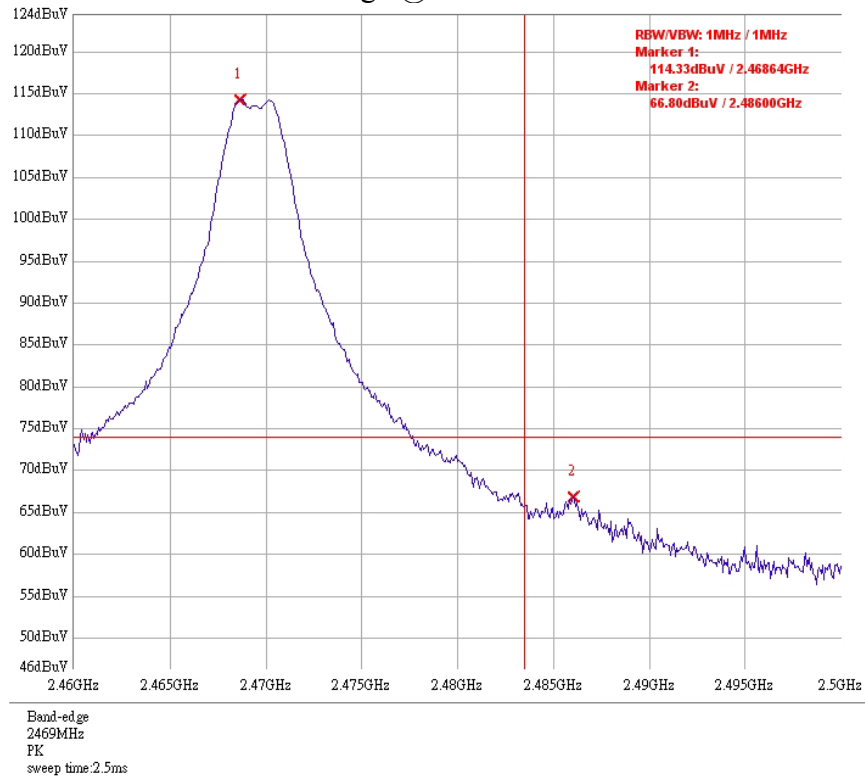
Note: Average Factor = -15.98 dB

10.2.1 Band-edge

Band edge @ channel 1 PK



Band edge @ channel 17 PK

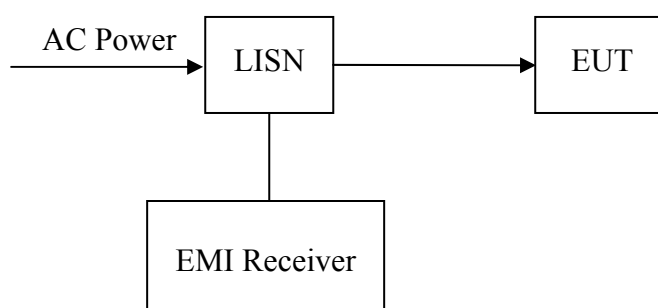


11. Power Line Conducted Emission test §FCC 15.207

11.1 Operating environment

Temperature: 25 °C
Relative Humidity: 60 %
Atmospheric Pressure 1023 hPa

11.2 Test setup & procedure



The test procedure was according to ANSI C63.4/2003.

The EUT are connected to the main power through a line impedance stabilization network (LISN). This provides a 50 ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.

Both sides (Line and Neutral) of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4/2003 on conducted measurement. The bandwidth of the field strength meter (R & S Test Receiver ESCS 30) is set at 9kHz.

The EUT configuration please refer to the “Conducted set-up photo.pdf”.

11.3 Emission limit

Freq. (MHz)	Conducted Limit (dBuV)	
	Q.P.	Ave.
0.15~0.50	66 – 56*	56 – 46*
0.50~5.00	56	46
5.00~30.0	60	50

*Decreases with the logarithm of the frequency.

11.4 Uncertainty of Conducted Emission

Expanded uncertainty (k=2) of conducted emission measurement is ± 2.26 dB.

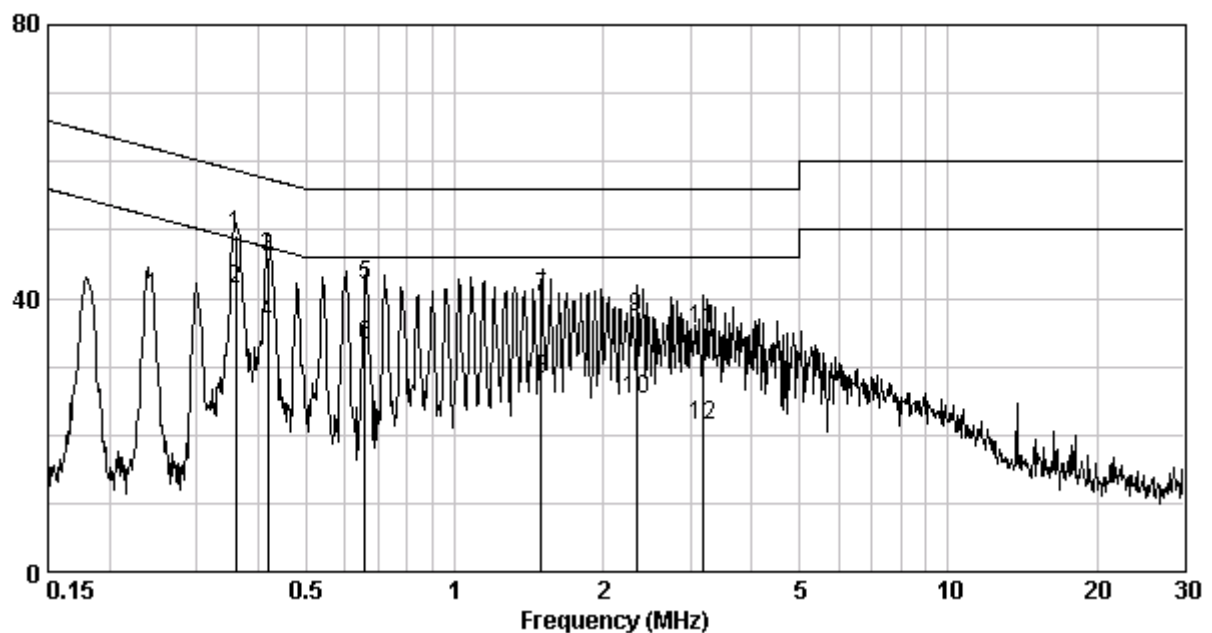
11.5 Power Line Conducted Emission test data

Phase : Line
EUT : TTD-61R
Test Condition : Normal operating mode

Frequency (MHz)	Corr. Factor (dB)	Level Qp (dBuV)	Limit Qp (dBuV)	Level Av (dBuV)	Limit Av (dBuV)	Margin (dB)	
						Qp	Av
0.36	0.21	49.34	58.71	41.42	48.71	-9.36	-7.28
0.42	0.11	45.91	57.48	36.42	47.48	-11.57	-11.06
0.66	0.11	41.81	56.00	33.01	46.00	-14.19	-12.99
1.50	0.13	40.01	56.00	28.00	46.00	-15.99	-18.00
2.34	0.17	37.24	56.00	25.07	46.00	-18.76	-20.93
3.18	0.24	35.50	56.00	21.39	46.00	-20.50	-24.61

Remark:

1. Correction Factor (dB)= LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = Level (dBuV) – Limit (dBuV)



Phase : Neutral
EUT : TTD-61R
Test Condition : Normal operating mode

Frequency (MHz)	Corr. Factor (dB)	Level Qp (dBuV)	Limit Qp (dBuV)	Level Av (dBuV)	Limit Av (dBuV)	Margin (dB)	
						Qp	Av
0.18	0.11	38.88	64.47	27.37	54.47	-25.60	-27.11
0.36	0.11	41.52	58.71	33.96	48.71	-17.19	-14.75
0.42	0.11	37.34	57.45	28.30	47.45	-20.11	-19.15
0.66	0.11	34.89	56.00	24.97	46.00	-21.11	-21.03
1.02	0.11	33.28	56.00	21.70	46.00	-22.72	-24.30
1.56	0.13	33.39	56.00	20.59	46.00	-22.61	-25.41

Remark:

1. Correction Factor (dB)= LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = Level (dBuV) – Limit (dBuV)

