

FCC - TEST REPORT

Report Number : **60.790.15.008.02** Date of Issue : June 5, 2015

Model : **BKM4AB**

Product Type : **Combo Transmitter**

Applicant : DAYTON INDUSTRIAL CO., LTD

Address : 2-12 Kwai Fat Road, 11-A Kwai Chung, New Territories, Hong Kong

Production Facility : KENDY Enterprise Ltd

Address : 2-12 Kwai Fat Road, 11-A Kwai Chung, New Territories, Hong Kong

Test Result : **Positive** **Negative**

Total pages including Appendices : 42

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2 Description of Equipment Under Test

Description of the Equipment Under Test

Product:	Combo Transmitter
Model no.:	BKM4AB
FCC ID:	04GBKM4AB
Rating:	3.0VDC (1 x 3.0VDC size "CR2032" batteries)
Frequency:	2402MHz-2480MHz
Antenna gain:	0 dBi
Number of operated channel:	40
Modulation:	GFSK

3 Summary of Test Standards

Test Standards

FCC Part 15 Subpart C 10-1-13 Edition Federal Communications Commission, PART 15 — Radio Frequency Devices, Subpart C — Unintentional Radiators

4 Details about the Test Laboratory

Site 1

Company name: TÜV SÜD Hong Kong Ltd.
3/F, West Wing, Lakeside 2,
10 Science Park West Avenue,
Science Park, Shatin, Hong Kong

Site 2

Company name: TÜV SÜD China Ltd.
Building 12&13 Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2,
Shenzhen 518052, P.R.China
FCC Registration Number: 502708

Emission Tests	
Test Item	Test Site
FCC Part 15 Subpart C	
FCC Title 47 Part 15.205, 15.209 & 15.247(d) Spurious Radiated Emission	Site 2
FCC Title 47 Part 15.207 Conduct Emission	NIL
FCC Title 47 Part 15.247(a)(2) 6dB & 99% Bandwidth	Site 2
FCC Title 47 Part 15.247(b) Peak Output Power	Site 2
FCC Title 47 Part 2.1051 & 15.247(d) Spurious Emissions at Antenna Terminals	Site 2
FCC Title 47 Part 15.247(d) 100kHz Bandwidth of band edges	Site 2
FCC Title 47 Part 15.247(e) Power Spectral Density	Site 2
FCC Title 47 Part 15.203 & 15.247(b) Antenna Requirement	Site 2

4.1 Test Equipment Site List

Radiated emission Test – Site 3

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	101269	17-Aug-15
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	707	17-Aug-17
Horn Antenna	Rohde & Schwarz	HF907	102294	17-Aug-17
Pre-amplifier	Rohde & Schwarz	SCU 18	102230	17-Aug-15
3m Semi-anechoic chamber	TDK	9X6X6	----	29-May-19

6dB & 99% Bandwidth, Peak Output Power, Spurious Emissions at Antenna Terminals, 100kHz Bandwidth of band edges, Power Spectral Density – Site 3

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Signal Generator	Rohde & Schwarz	SMB100A	108272	17-Aug-15
Signal Analyzer	Rohde & Schwarz	FSV40	101030	17-Aug-15
Vector Signal Generator	Rohde & Schwarz	SMU 200A	105324	17-Aug-15
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157	101226/100851	17-Aug-15

4.2 Measurement System Uncertainty

Measurement System Uncertainty Emissions

System Measurement Uncertainty	
Items	Extended Uncertainty
Uncertainty for Radiated Emission in 3m chamber 9kHz-30MHz	4.54dB
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.83dB; Vertical: 4.91dB;
Uncertainty for Radiated Emission in 3m chamber 1000MHz-25000MHz	Horizontal: 4.89dB; Vertical: 4.88dB;
Uncertainty for Conducted RF test	2.04dB

5 Summary of Test Results

Emission Tests				
FCC Part 15 Subpart C				
Test Condition	Pages	Test Result		
		Pass	Fail	N/A
FCC Title 47 Part 15.205, 15.209 & 15.247(d) Spurious Radiated Emission	10-15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.207 Conduct Emission	NIL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FCC Title 47 Part 15.247(a)(2) 6dB & 99% Bandwidth	16-21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(b) Peak Output Power	22-24	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 2.1051 & 15.247(d) Spurious Emissions at Antenna Terminals	25-27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(d) 100kHz Bandwidth of band edges	28-31	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(e) Power Spectral Density	32-34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.203 & 15.247(b) Antenna Requirement	35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6 General Remarks

Remarks

NIL

SUMMARY:

- All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

- The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

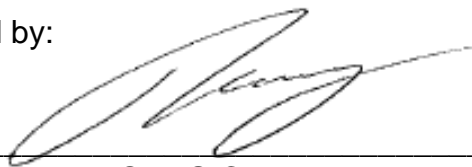
Sample Received Date: May 14, 2015

Testing Start Date: May 15, 2015

Testing End Date: May 29, 2015

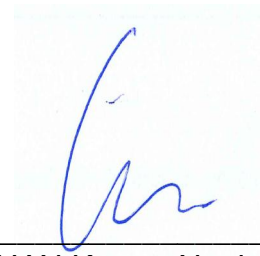
- TÜV SÜD HONG KONG LTD. -

Reviewed by:



TSENG Chi Kit
EMC Project Engineer

Prepared by:



CHAN Kwong Ngai
EMC Test Engineer

7 Emission Test Results

7.1 Spurious Radiated Emission

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.0VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
119.967	39.32	43.5	-4.18	Quasi Peak
143.975	39.93	43.5	-3.57	Quasi Peak
167.982	38.48	43.5	-5.02	Quasi Peak
408.512	42.86	46	-3.14	Quasi Peak
419.940	42.80	46	-3.20	Quasi Peak
1595.500	48.42	74	-25.58	Peak
2436.000	48.40	54	-5.60	Average
2436.000	49.58	74	-24.42	Peak
2450.500	45.70	74	-28.30	Peak
4803.750	44.68	74	-29.32	Peak
7205.625	46.56	74	-27.44	Peak
9608.125	46.26	74	-27.74	Peak

Spurious Radiated Emission

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.0VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector
119.967	29.49	43.5	-14.01	Quasi Peak
143.975	29.98	43.5	-13.52	Quasi Peak
167.982	30.31	43.5	-13.19	Quasi Peak
272.924	31.14	46	-14.86	Quasi Peak
408.057	35.04	46	-10.96	Quasi Peak
2059.500	38.07	74	-35.93	Peak
2139.500	38.16	74	-35.84	Peak
2440.000	38.78	54	-15.22	Average
2440.000	41.25	74	-32.75	Peak
4803.750	49.25	74	-24.75	Peak
7205.625	54.34	74	-19.66	Peak
7206.250	50.31	54	-3.69	Average
9606.875	50.45	74	-23.55	Peak

Spurious Radiated Emission

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.0VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
119.967	39.32	43.5	-4.18	Quasi Peak
143.975	39.93	43.5	-3.57	Quasi Peak
167.982	38.48	43.5	-5.02	Quasi Peak
408.512	42.86	46	-3.14	Quasi Peak
419.940	42.80	46	-3.20	Quasi Peak
1086.000	36.69	74	-37.31	Peak
1203.500	36.25	74	-37.75	Peak
1601.000	35.15	74	-38.85	Peak
2413.500	46.51	74	-27.49	Peak
2424.000	48.80	74	-25.20	Peak
2464.000	51.58	74	-22.42	Peak
4879.375	48.40	74	-25.60	Peak
7320.625	52.85	74	-21.15	Peak
9760.000	49.10	74	-24.90	Peak

Spurious Radiated Emission

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.0VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
119.967	29.49	43.5	-14.01	Quasi Peak
143.975	29.98	43.5	-13.52	Quasi Peak
167.982	30.31	43.5	-13.19	Quasi Peak
272.924	31.14	46	-14.86	Quasi Peak
408.057	35.04	46	-10.96	Quasi Peak
1394.500	36.31	74	-37.69	Peak
1598.000	39.81	74	-34.19	Peak
1990.500	40.60	74	-33.40	Peak
2058.000	39.97	54	-14.03	Average
2058.000	41.91	74	-32.09	Peak
2453.000	43.41	74	-30.59	Peak
4880.000	48.75	74	-25.25	Peak
7320.000	55.43	74	-18.57	Peak
7320.000	50.63	54	-3.37	Average
9759.375	51.22	74	-22.78	Peak
9760.000	48.61	54	-5.39	Average

Spurious Radiated Emission

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.0VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector
119.967	39.32	43.5	-4.18	Quasi Peak
143.975	39.93	43.5	-3.57	Quasi Peak
167.982	38.48	43.5	-5.02	Quasi Peak
408.512	42.86	46	-3.14	Quasi Peak
419.940	42.80	46	-3.20	Quasi Peak
1597.500	48.25	74	-25.75	Peak
1597.500	46.10	54	-7.90	Average
4959.375	46.88	74	-27.12	Peak
7440.000	47.73	54	-6.27	Average
7440.625	50.27	74	-23.73	Peak
9920.000	46.97	74	-27.03	Peak

Spurious Radiated Emission

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.0VDC
 Remark: 9kHz to 25GHz

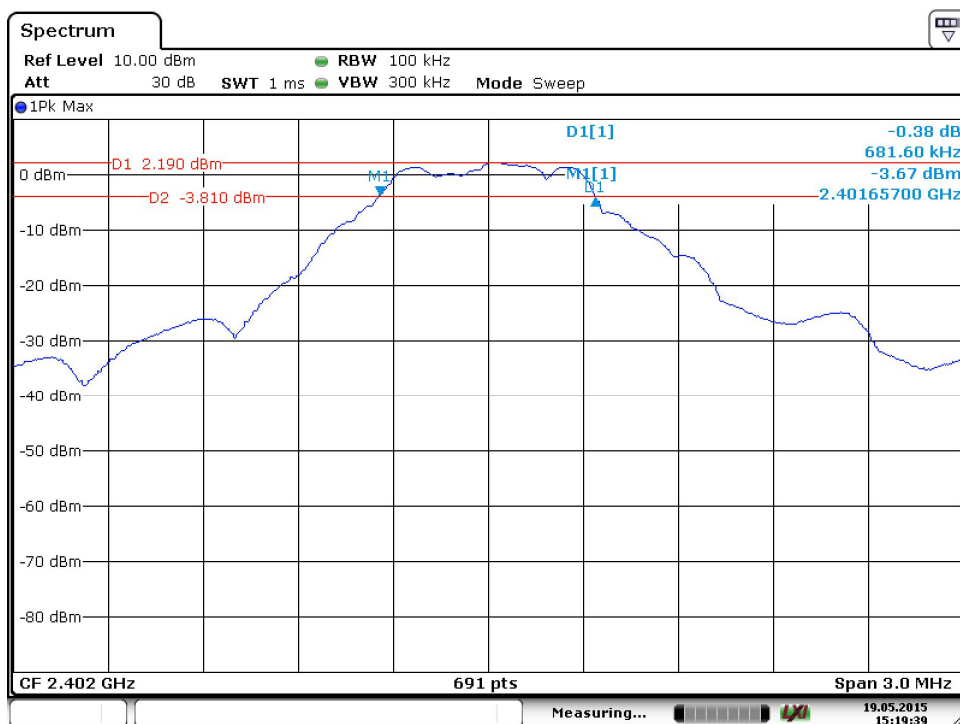
Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
119.967	29.49	43.5	-14.01	Quasi Peak
143.975	29.98	43.5	-13.52	Quasi Peak
167.982	30.31	43.5	-13.19	Quasi Peak
272.924	31.14	46	-14.86	Quasi Peak
408.057	35.04	46	-10.96	Quasi Peak
1594.000	39.72	54	-14.28	Average
1594.000	41.45	74	-32.55	Peak
2436.000	48.31	74	-25.69	Peak
2498.000	43.91	74	-30.09	Peak
4959.375	46.68	74	-27.32	Peak
7440.000	53.46	74	-20.54	Peak
7440.000	50.60	54	-3.40	Average
9919.375	50.04	74	-23.96	Peak

7.2 6dB & 99% Bandwidth

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(a)(2), 6dB Bandwidth
 Comment: 3.0VDC

Test Result	
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<input type="checkbox"/>	Not Passed



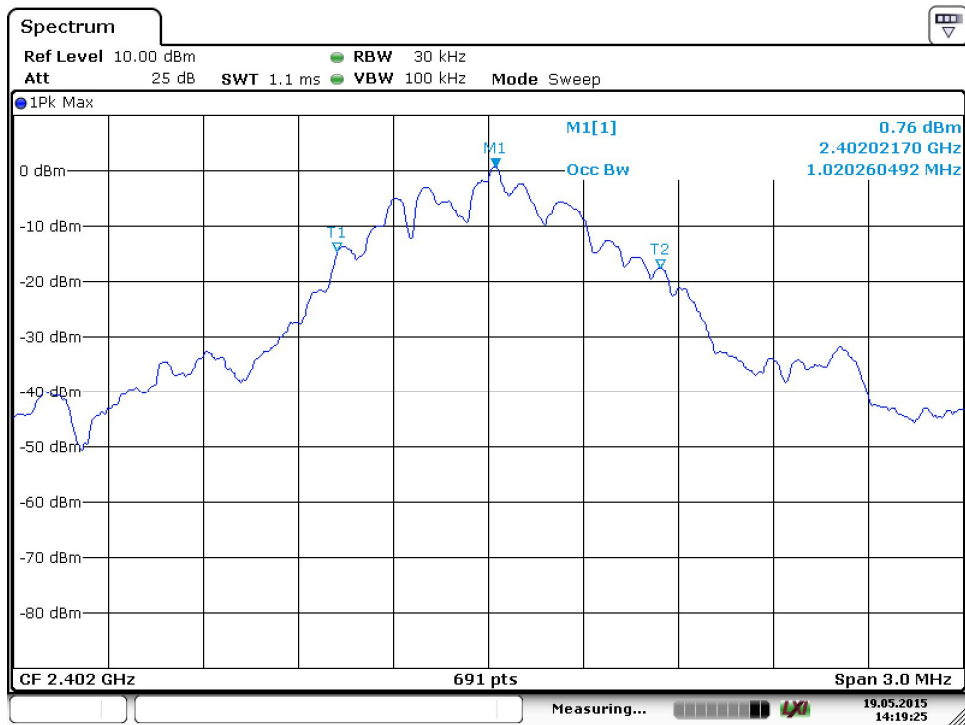
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6dB bandwidth	Limit
681.600 kHz	> 500 kHz

6dB & 99% Bandwidth

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(a)(2), 99% Bandwidth
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



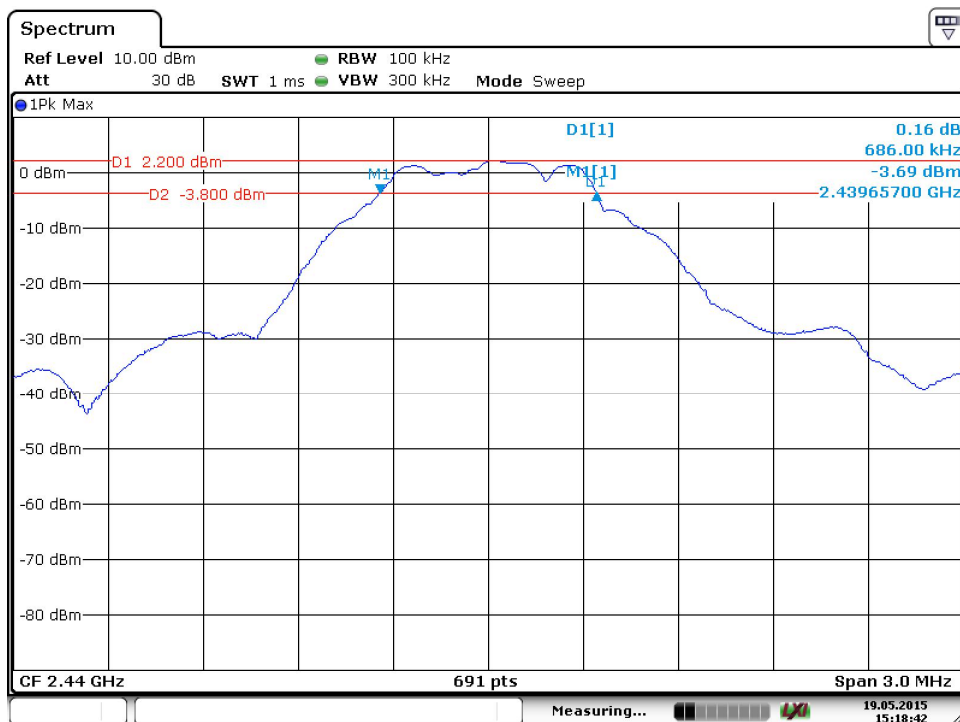
Date: 19.MAY.2015 14:19:26

99% bandwidth
1020.260 kHz

6dB & 99% Bandwidth

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.247(a)(2), 6dB Bandwidth
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



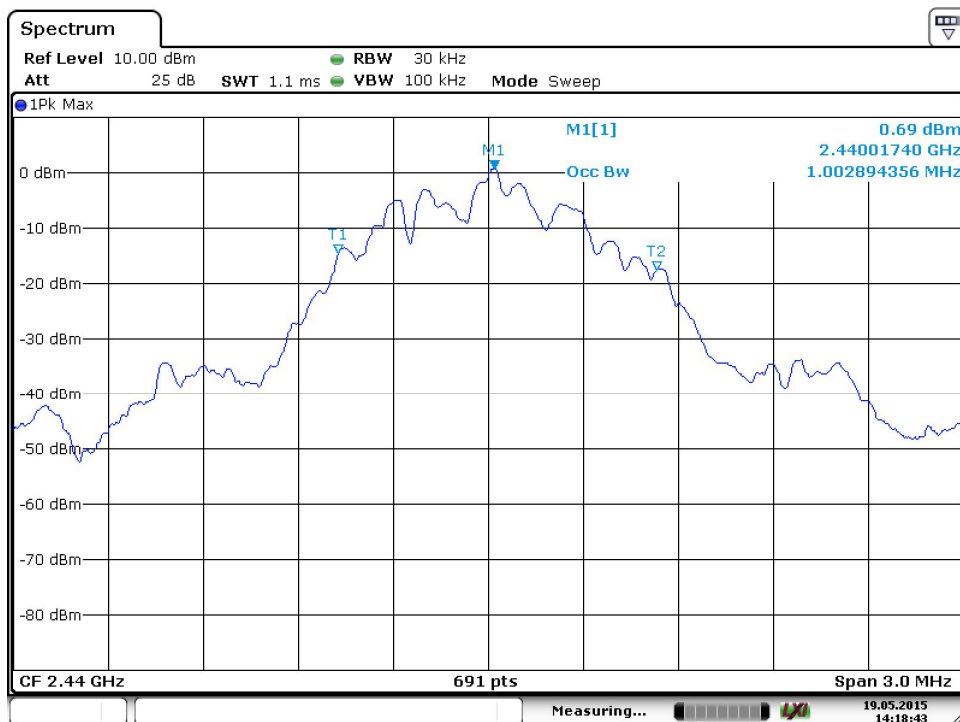
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6dB bandwidth	Limit
686.000 kHz	> 500 kHz

6dB & 99% Bandwidth

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.247(a)(2), 99% Bandwidth
 Comment: 3.0VDC

Test Result	
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<input type="checkbox"/>	Not Passed



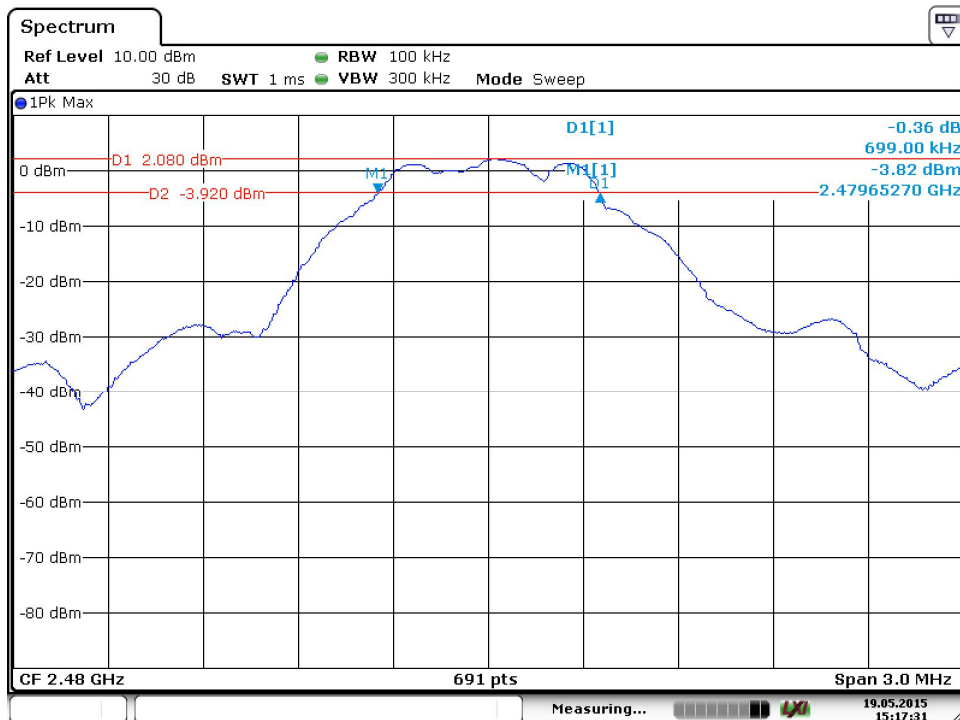
Date: 19.MAY.2015 14:18:43

99% bandwidth
1002.894 kHz

6dB & 99% Bandwidth

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(a)(2), 6dB Bandwidth
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



Date: 19.MAY.2015 15:17:31

6dB bandwidth	Limit
699.000 kHz	> 500 kHz

6dB & 99% Bandwidth

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(a)(2), 99% Bandwidth
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



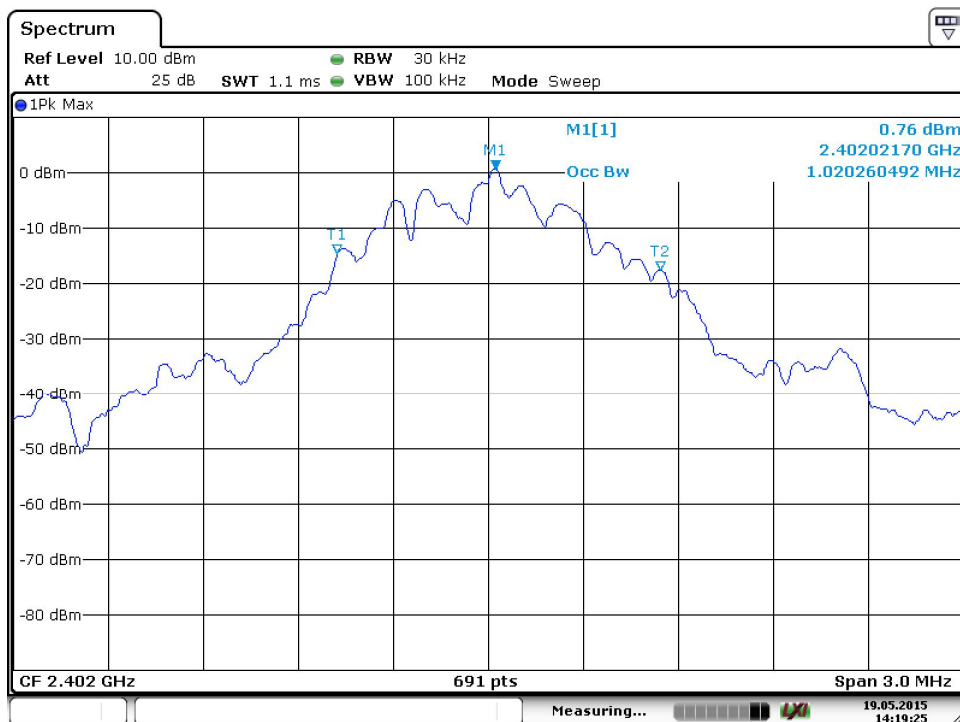
Date: 19.MAY.2015 14:16:22

99% bandwidth
1007.235 kHz

7.3 Peak Output Power

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(b)
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



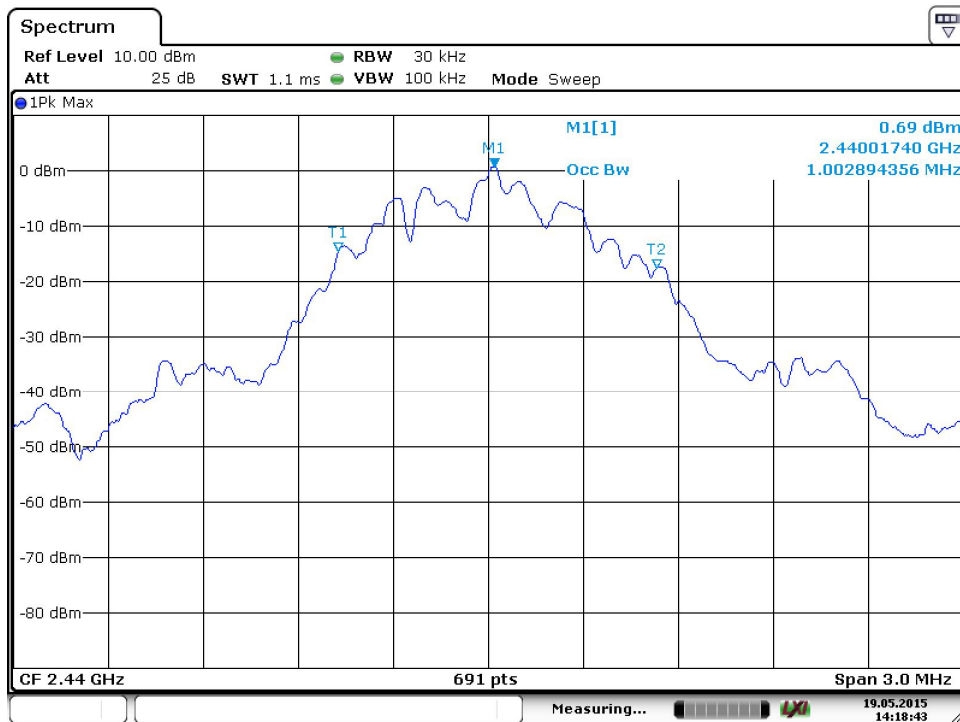
Date: 19.MAY.2015 14:19:26

Conducted Output Power	Limit
0.76 dBm	< 30dBm

Peak Output Power

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.247(b)
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



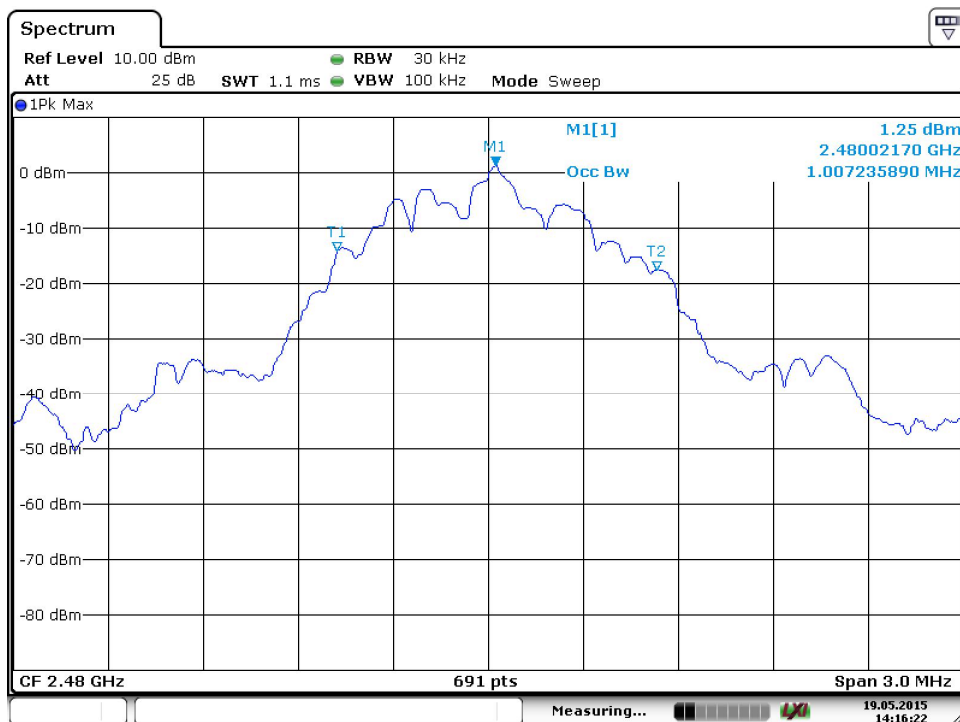
Date: 19.MAY.2015 14:18:43

Conducted Output Power	Limit
0.69 dBm	< 30dBm

Peak Output Power

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(b)
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



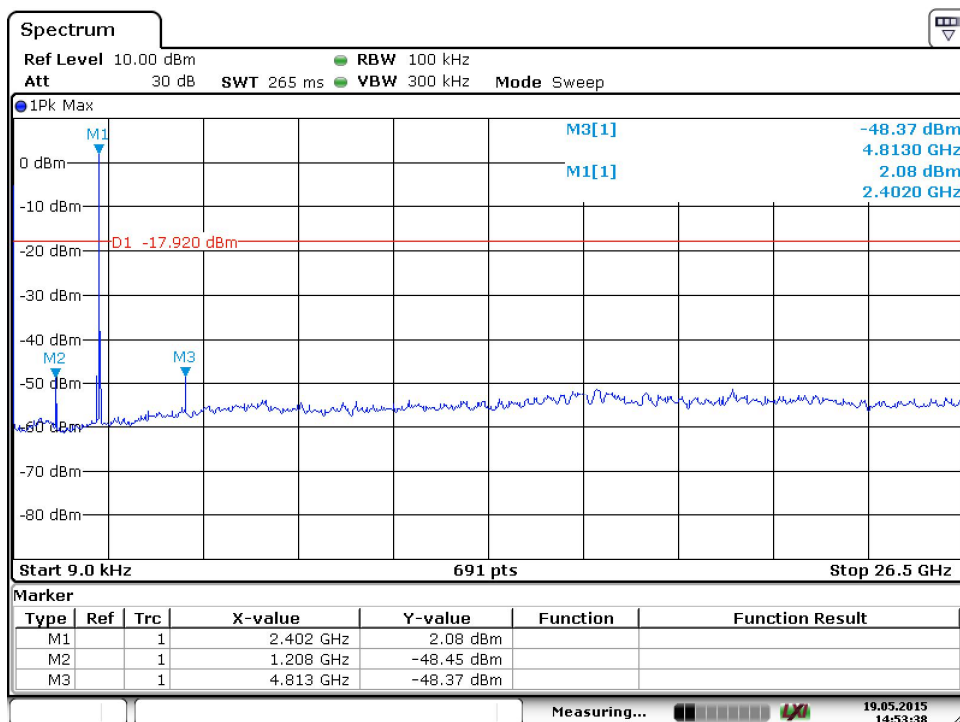
Date: 19.MAY.2015 14:16:22

Conducted Output Power	Limit
1.25 dBm	< 30dBm

7.4 Spurious Emissions at Antenna Terminals

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC2.1051 & 15.247(d)
 Comment: 3.0VDC
 Remark: 9kHz to 26.5GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

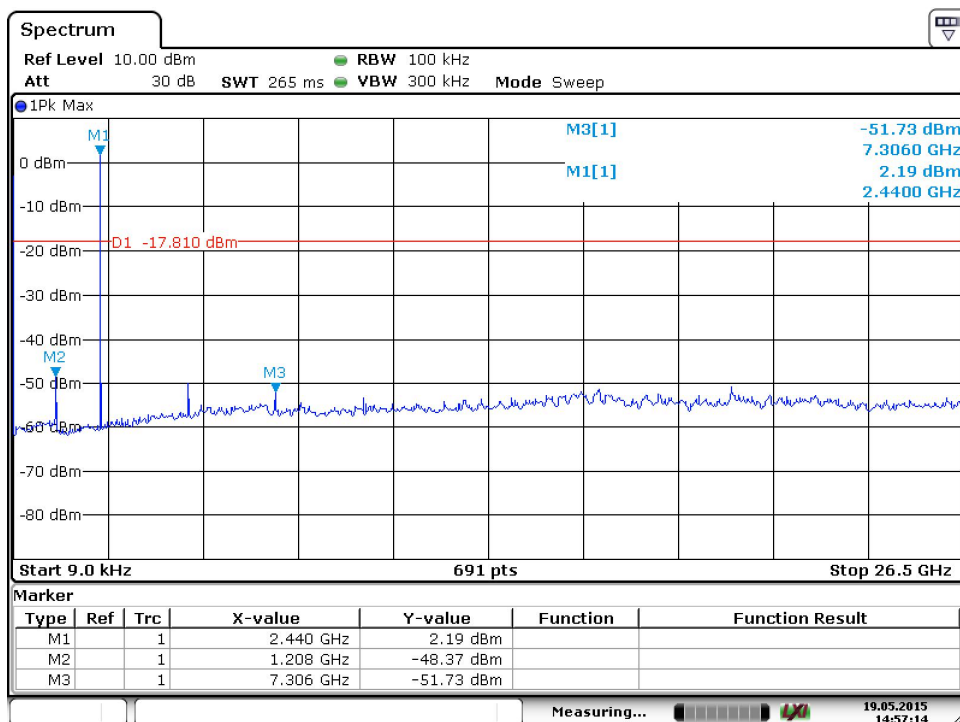


Date: 19.MAY.2015 14:53:38

Spurious Emissions at Antenna Terminals

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC2.1051 & 15.247(d)
 Comment: 3.0VDC
 Remark: 9kHz to 26.5GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

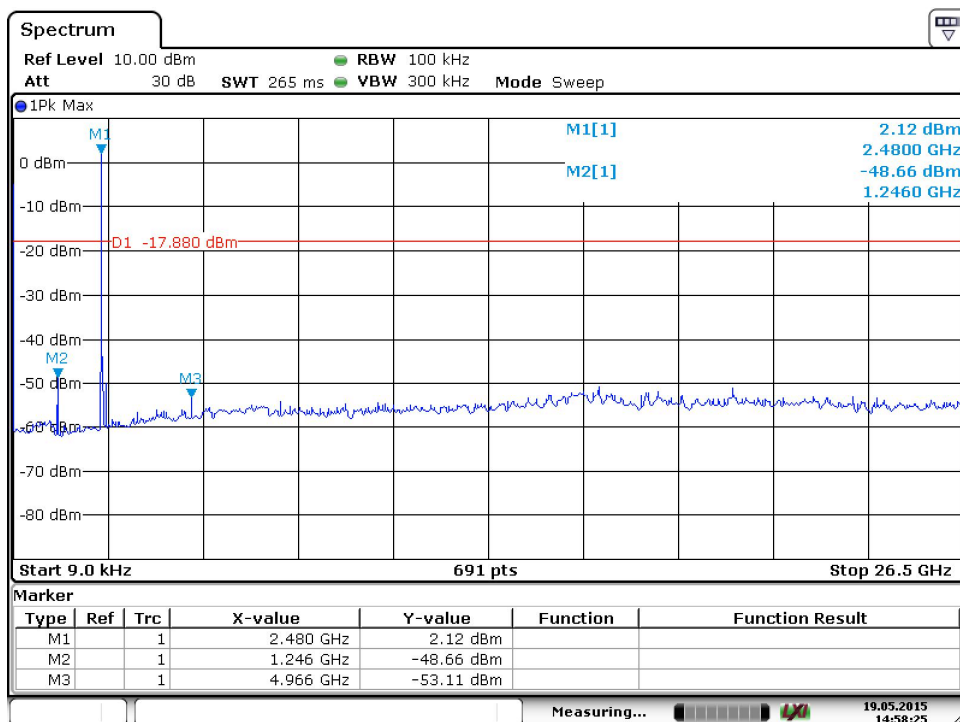


Date: 19.MAY.2015 14:57:13

Spurious Emissions at Antenna Terminals

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC2.1051 & 15.247(d)
 Comment: 3.0VDC
 Remark: 9kHz to 26.5GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

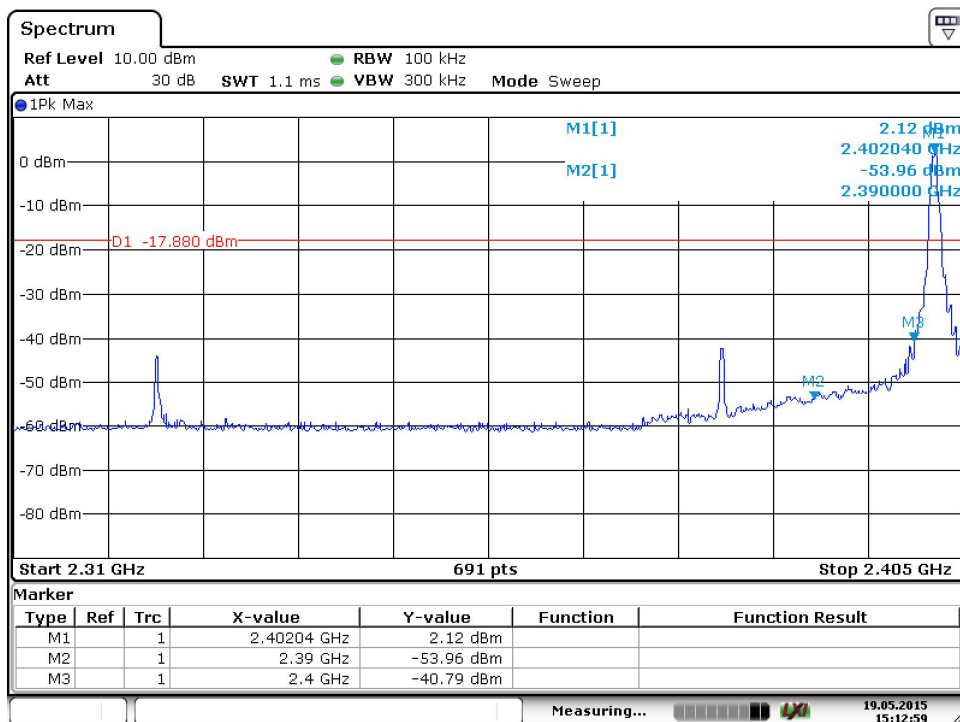


Date: 19.MAY.2015 14:58:25

7.5 100kHz Bandwidth of band edges

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(d), Conducted
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



Date: 19.MAY.2015 15:12:59

Frequency	Result
2.402 GHz	2.12 dBm
2.390 GHz	-53.96 dBm

Band edges	Limit
56.08 dB	> 20dB



China

100kHz Bandwidth of band edges

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(d), Radiated
 Comment: 3.0VDC

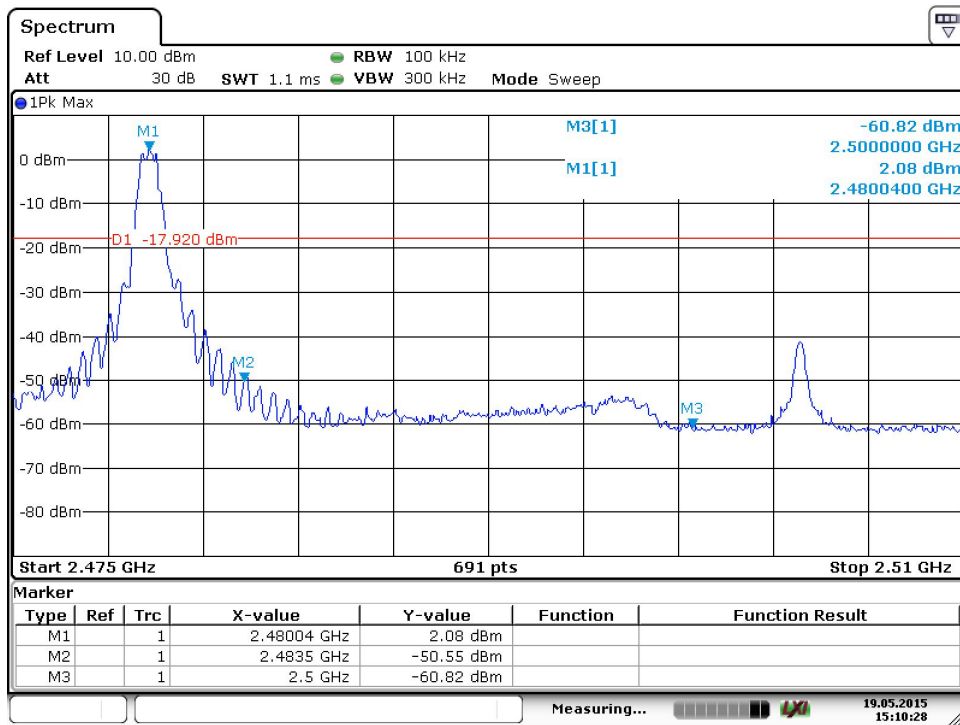
Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector
2439.000	35.60	74	-38.40	Peak
2439.000	31.42	54	-22.58	Average

100kHz Bandwidth of band edges

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(d), Conducted
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



Date: 19.MAY.2015 15:10:28

Frequency	Result
2.480 GHz	2.08 dBm
2.4835 GHz	-50.55 dBm

Band edges	Limit
52.63 dB	> 20dB



100kHz Bandwidth of band edges

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(d), Radiated
 Comment: 3.0VDC

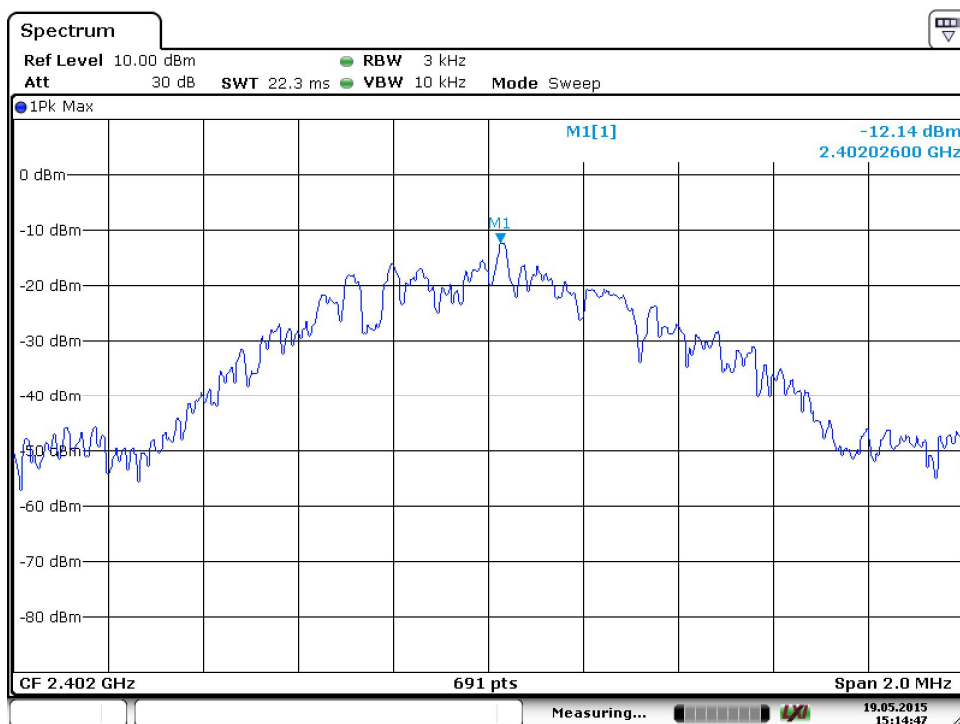
Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dBµV/m	Limit dBµV/m	Margin dB	Detector
2483.500	36.92	74	-37.08	Peak
2483.500	32.23	54	-21.77	Average

7.6 Power Spectral Density

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(e)
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



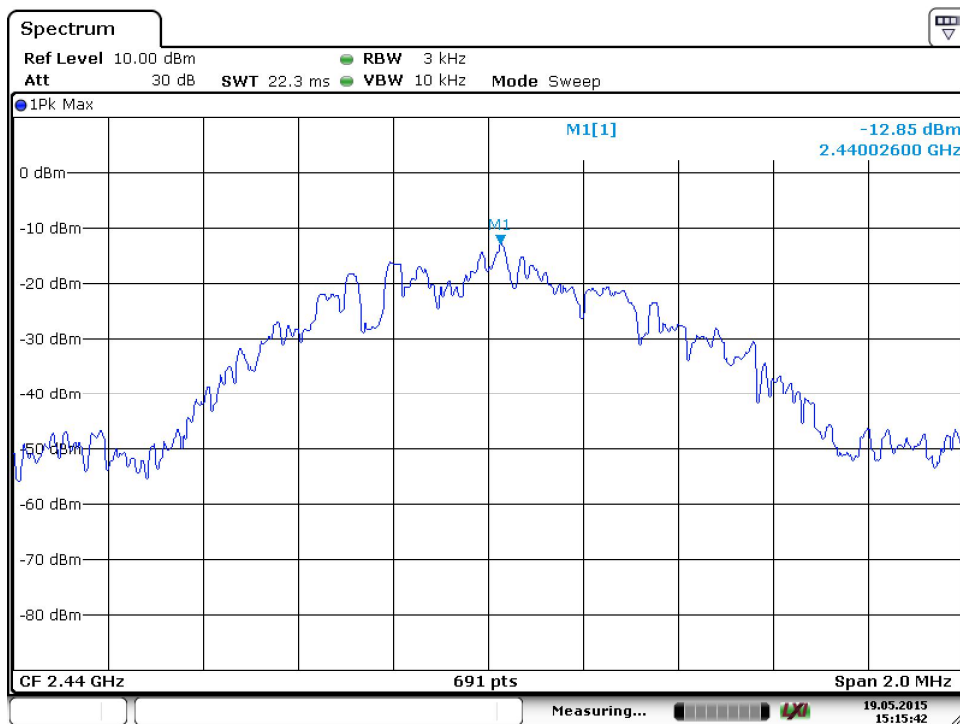
Date: 19.MAY.2015 15:14:47

Frequency	PSD	Result
2.402GHz	-12.14 dBm / 3kHz	< 8 dBm / 3 kHz

Power Spectral Density

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2440MHz)
 Test Specification: FCC15.247(e)
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



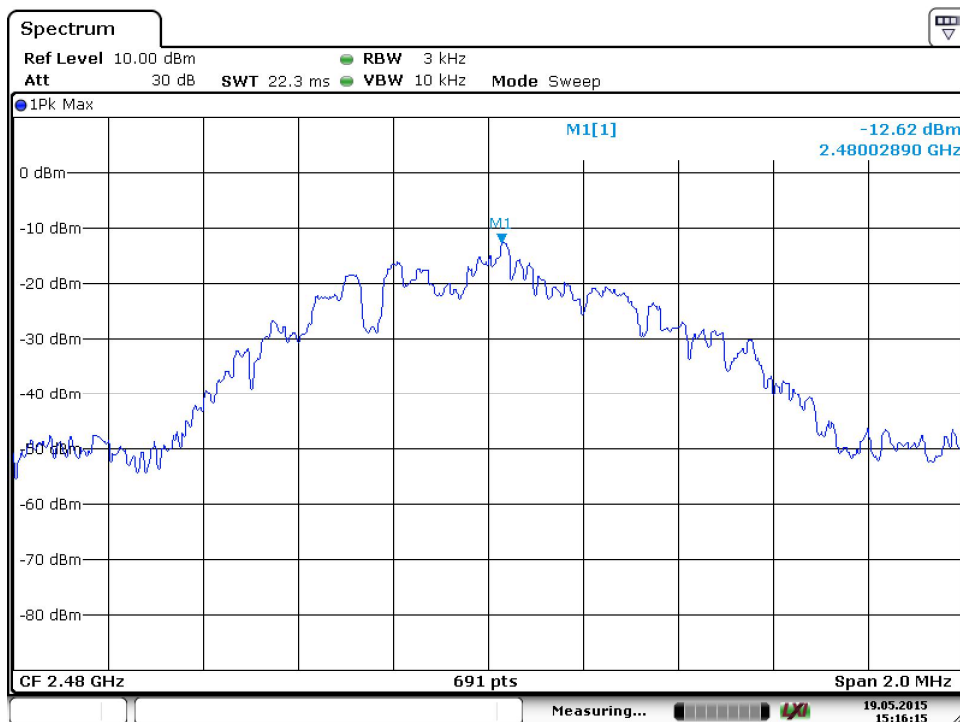
Date: 19.MAY.2015 15:15:42

Frequency	PSD	Result
2.440GHz	-12.85 dBm / 3kHz	< 8 dBm / 3 kHz

Power Spectral Density

EUT: BKM4AB
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(e)
 Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed



Date: 19.MAY.2015 15:16:16

Frequency	PSD	Result
2.480GHz	-12.62 dBm / 3kHz	< 8 dBm / 3 kHz

7.7 Antenna Requirement

EUT: BKM4AB
Op Condition: Operated, TX Mode
Test Specification: FCC15.203 & 15.247(b)
Comment: 3.0VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Limit

For intentional device, according to FCC Title 47 Part 15.203, an 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 FCC Title 47 Part 15.247(b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

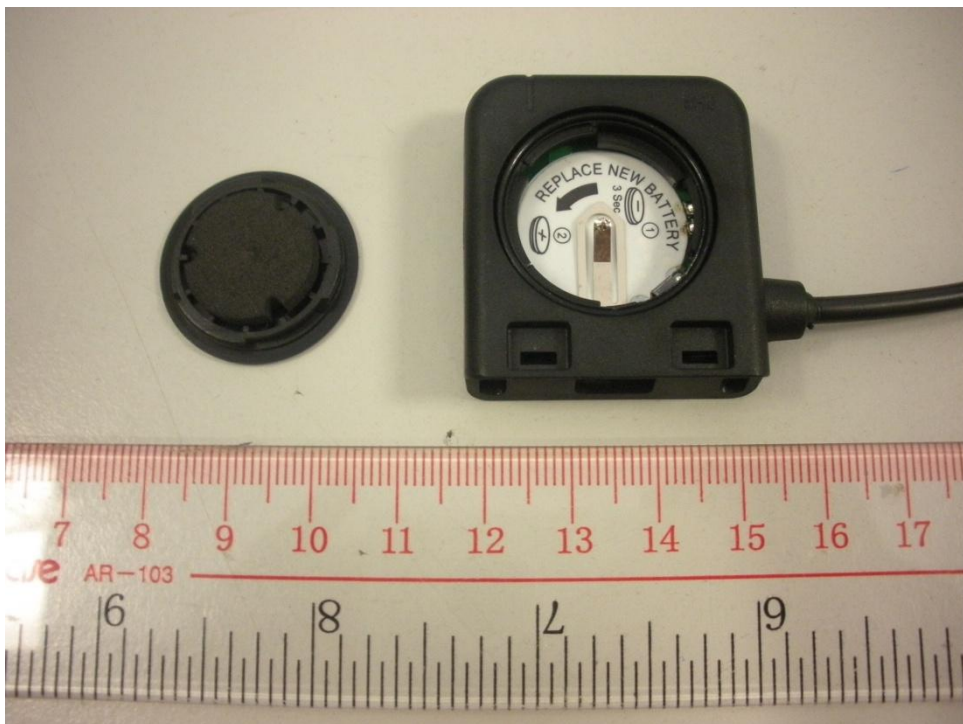
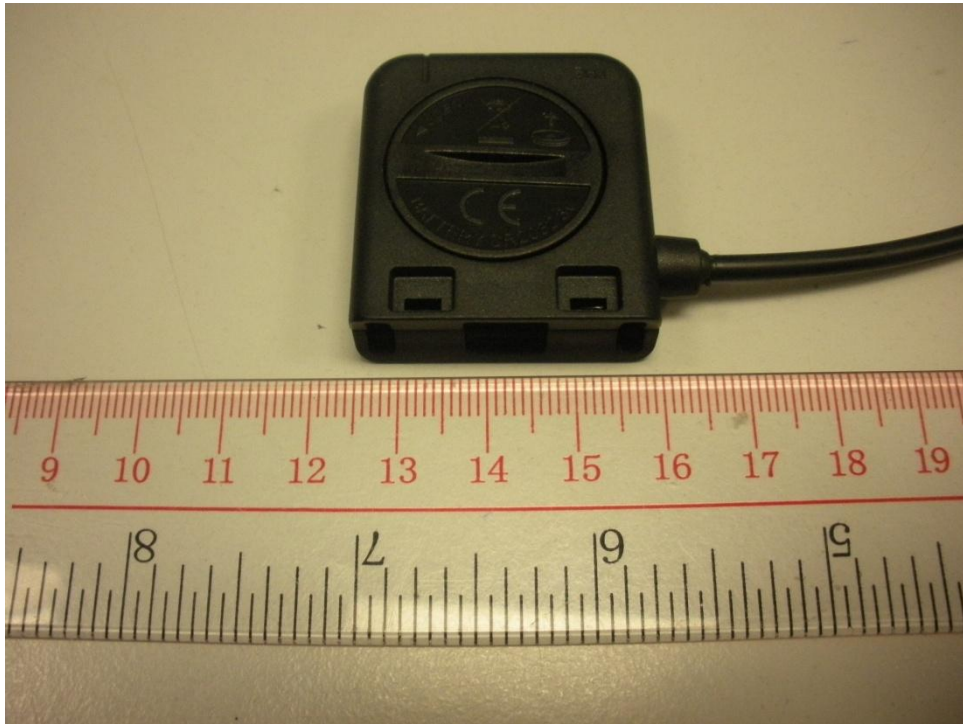
Antenna Connector Construction

The antenna used in this product is PCB antenna, and the maximum gain of this antenna is 0.0 dBi.

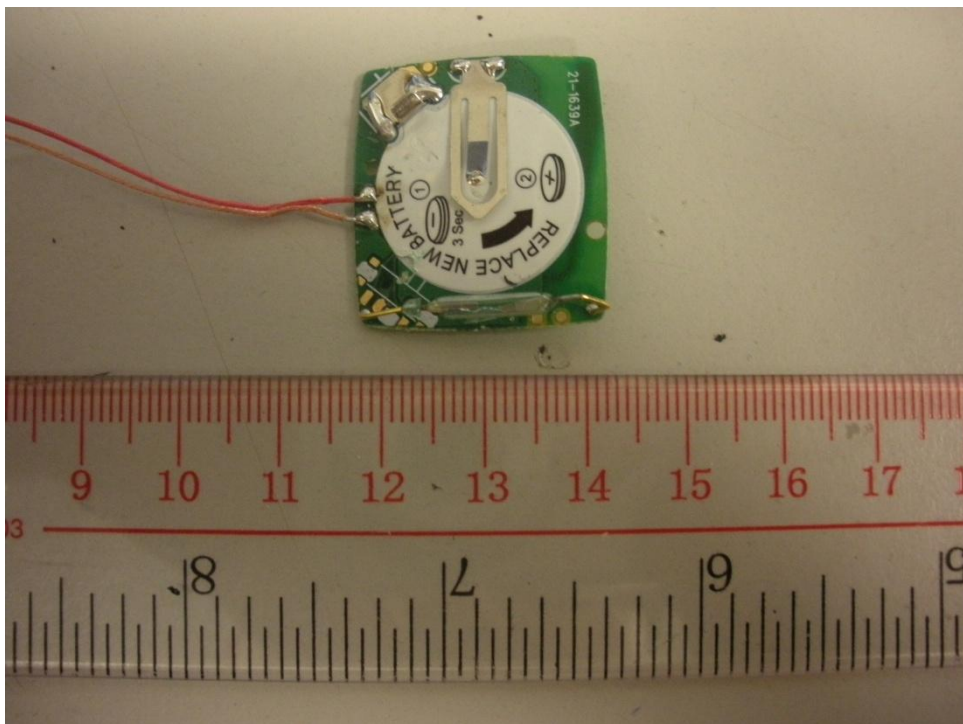
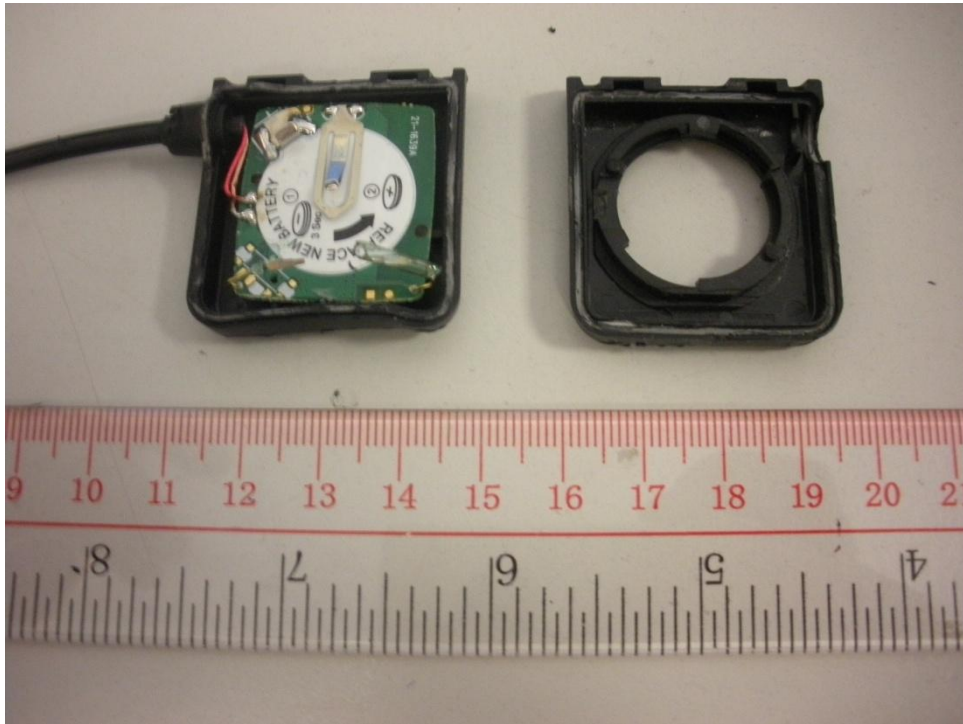
8 Appendix A - Photographs of EUT



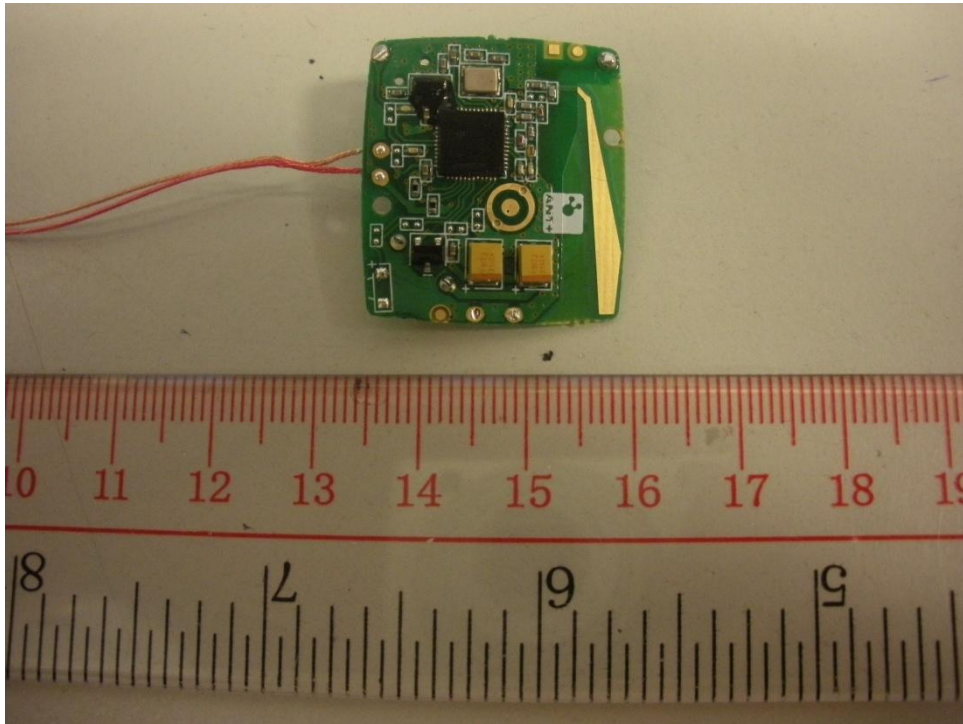
Appendix A



Appendix A

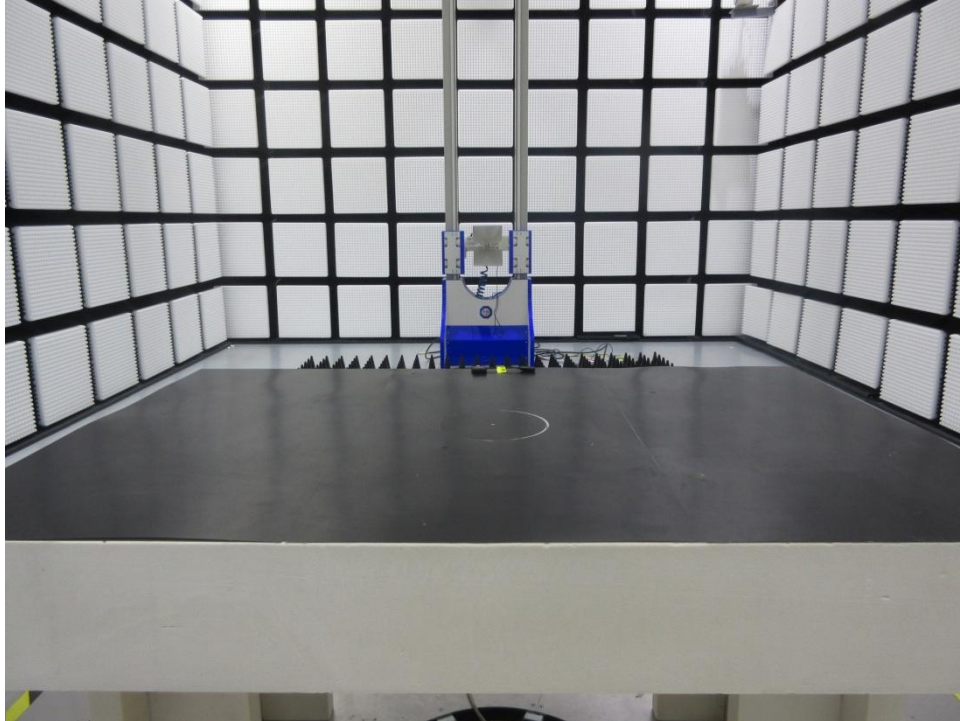


Appendix A

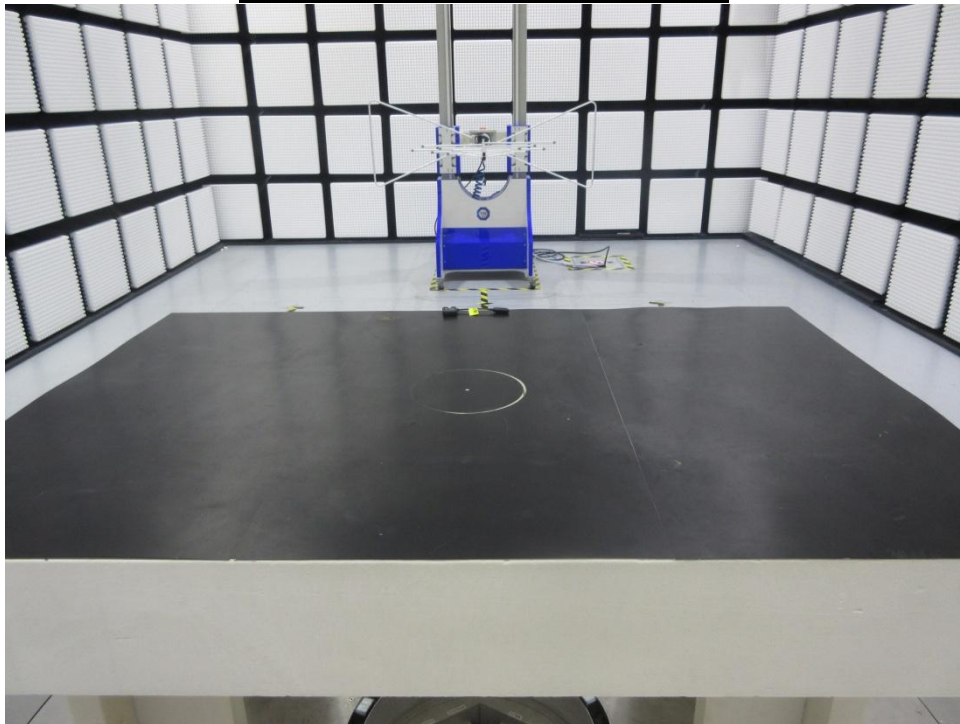


9 Appendix B - Setup Photographs of EUT

Radiated Emission 1GHz-25GHz

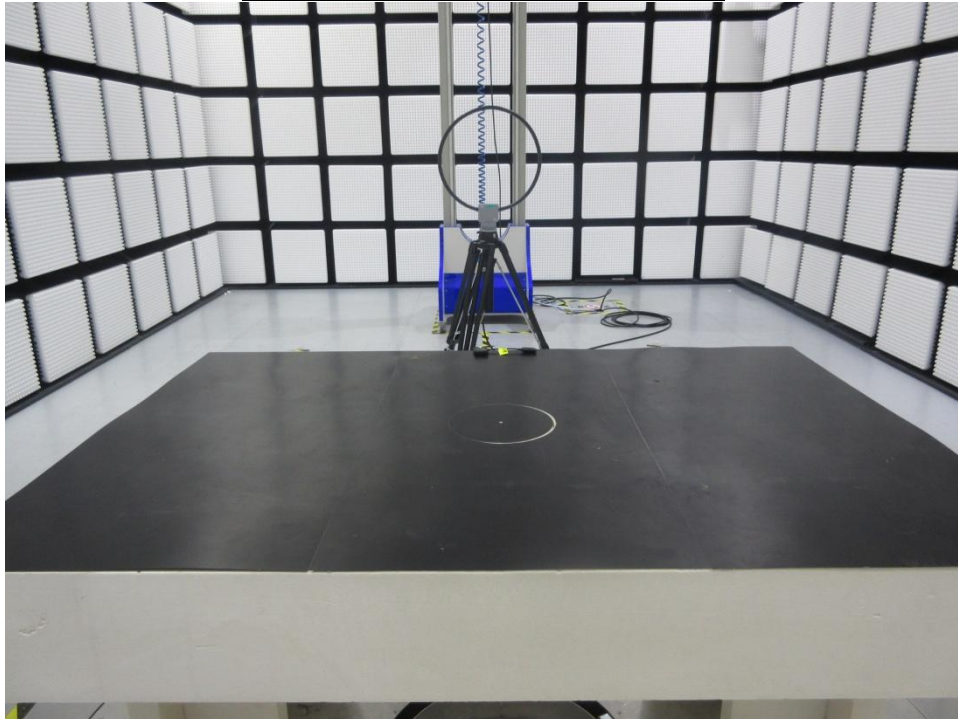


Radiated Emission 30MHz-1GHz

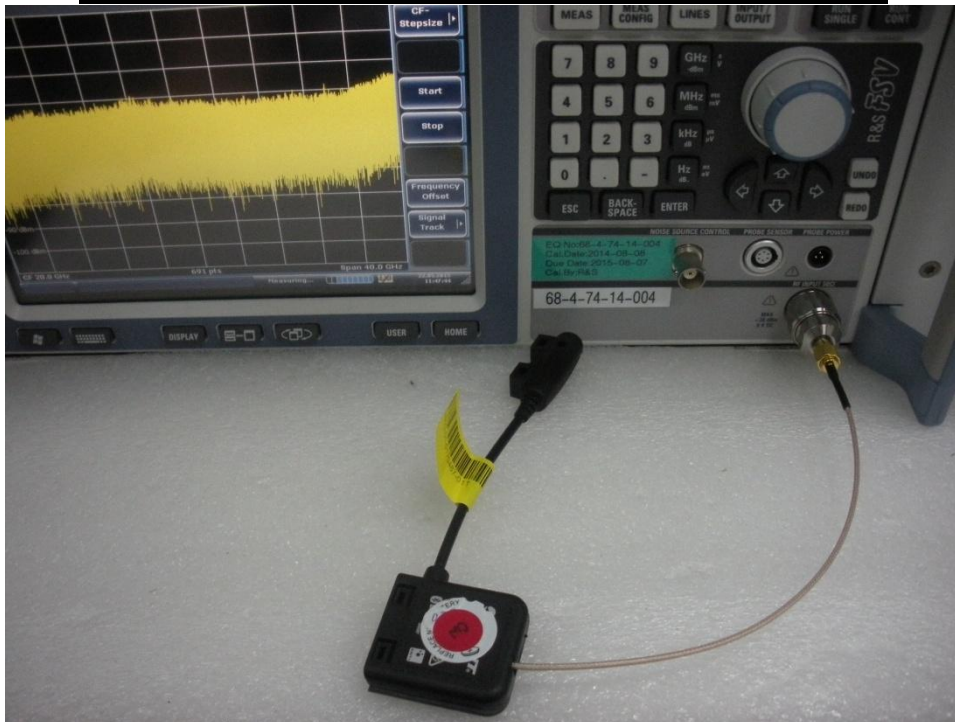


Appendix B

Radiated Emission 9kHz-30MHz



6dB & 99% Bandwidth, Peak Output Power, Spurious Emissions at Antenna Terminals, 100kHz Bandwidth of band edges, Power Spectral Density



10 Appendix C - General Product Information

Radiofrequency radiation exposure evaluation

According to KDB 447498 D01v05r02 section 4.3.1,

>> The 1-g SAR test exclusion thresholds, for 100MHz to 6GHz, at test separation distances ≤ 50 mm are determined by:

Power at 2402GHz = 1.1912 mW EIRP

Power at 2440GHz = 1.1721 mW EIRP

Power at 2480GHz = 1.3335 mW EIRP

$[(1.1912 \text{ mW}) / (50 \text{ mm})] \cdot [\text{sqrt}(2402 \text{ GHz})] = 1.1676$ which is ≤ 3.0 for 1-g SAR.

$[(1.1721 \text{ mW}) / (50 \text{ mm})] \cdot [\text{sqrt}(2440 \text{ GHz})] = 1.1579$ which is ≤ 3.0 for 1-g SAR.

$[(1.1335 \text{ mW}) / (50 \text{ mm})] \cdot [\text{sqrt}(2480 \text{ GHz})] = 1.1289$ which is ≤ 3.0 for 1-g SAR.

Therefore the device is exempt from stand-alone SAR test requirements.

>> The fundamental frequency of the EUT is 2402MHz-2480MHz, the test separation distance is < 50 mm.

>> The power of EUT measured is:

- For 2402MHz: $1.1912\text{mW} = 10 \log(1.1912) \text{ dBm} \sim +0.76\text{dBm}$
- For 2440MHz: $1.1721\text{mW} = 10 \log(1.1721) \text{ dBm} \sim +0.69\text{dBm}$
- For 2480MHz: $1.3335\text{mW} = 10 \log(1.3335) \text{ dBm} \sim +1.25\text{dBm}$