

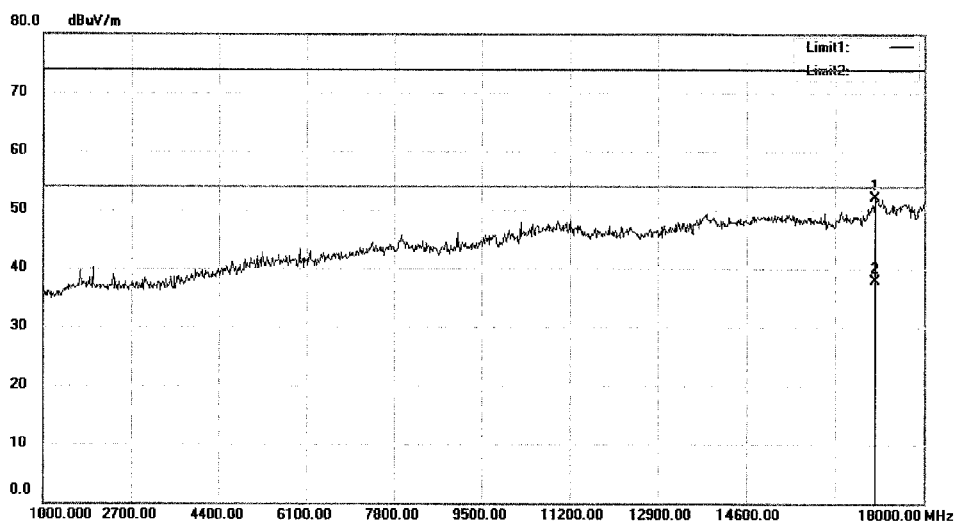
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Radiated Emission Measurement

File :TUV 8

Data :#171

Date: 15/08/14/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		17065.00	56.62	-4.44	52.18	74.00	-21.82	peak		
2	*	17065.00	42.31	-4.44	37.87	54.00	-16.13	AVG		

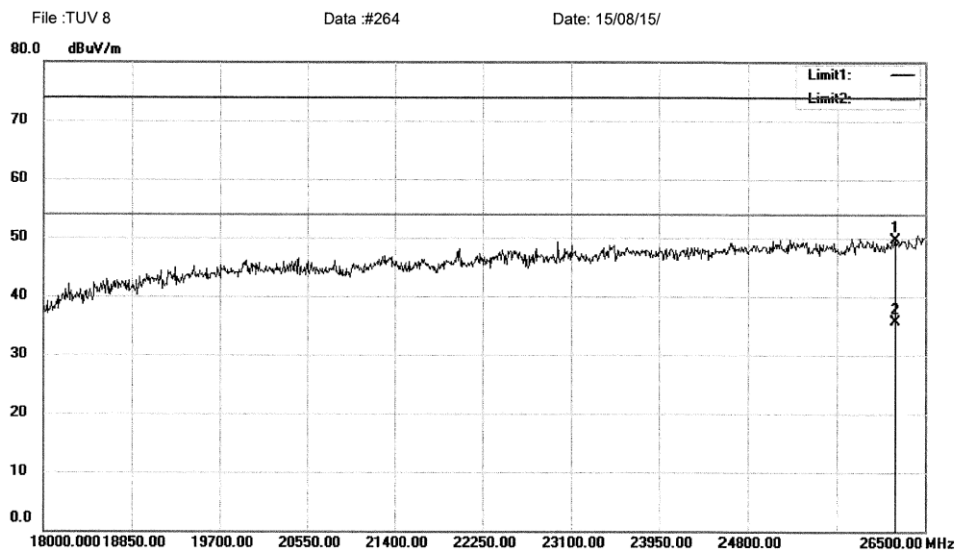
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#171

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode:8DPSK 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		26211.00	85.19	-35.53	49.66	74.00	-24.34	peak		
2	*	26211.00	71.27	-35.53	35.74	54.00	-18.26	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#264

Page: 1

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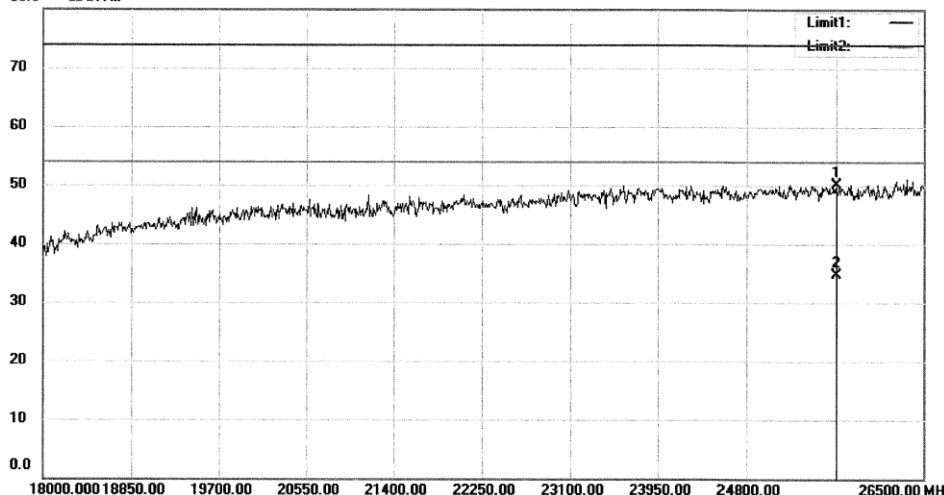

Radiated Emission Measurement

File :TUV 8

Data :#265

Date: 15/08/15/

80.0 dBuV/m



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		25650.00	86.24	-36.22	50.02	74.00	-23.98	peak		
2	*	25650.00	70.98	-36.22	34.76	54.00	-19.24	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#265

Page: 1

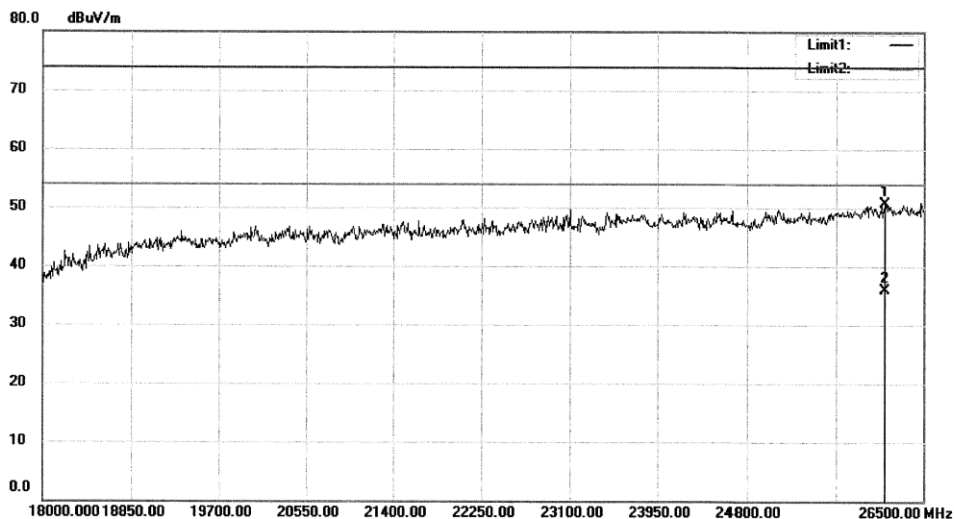
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Radiated Emission Measurement

File : TUV 8

Data : #266

Date: 15/08/15/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		26117.50	86.43	-35.65	50.78	74.00	-23.22	peak		
2	*	26117.50	71.51	-35.65	35.86	54.00	-18.14	AVG		

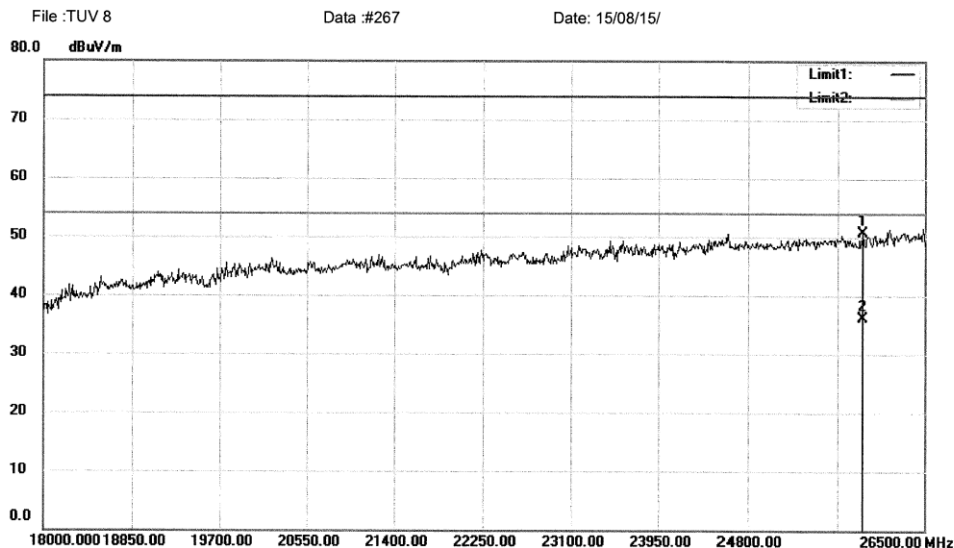
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Operator: KK

File : TUV 8\Data : #266

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode:8DPSK 2441
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		25896.50	86.53	-35.92	50.61	74.00	-23.39	peak		
2	*	25896.50	72.07	-35.92	36.15	54.00	-17.85	AVG		

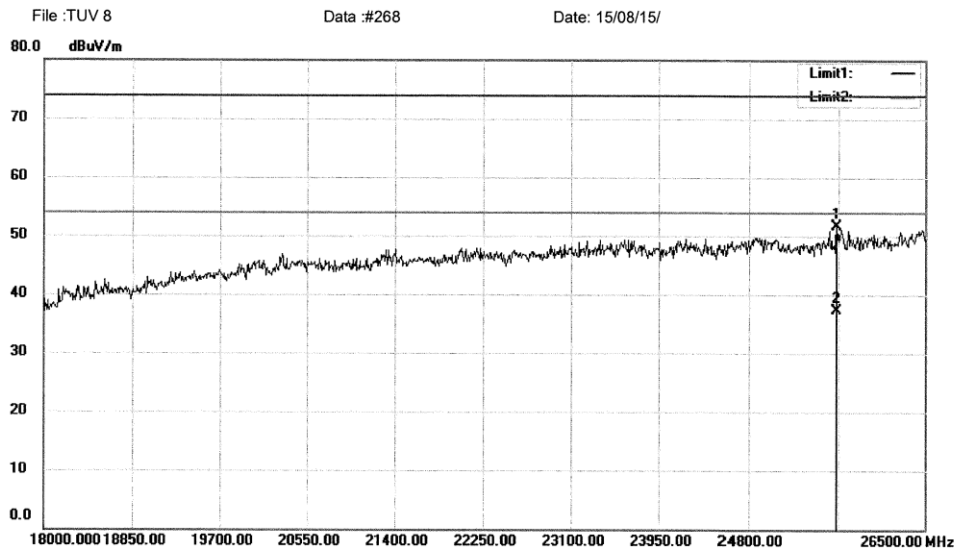
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#267

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode:8DPSK 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		25633.00	87.90	-36.24	51.66	74.00	-22.34	peak		
2	*	25633.00	73.62	-36.24	37.38	54.00	-16.62	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#268

Page: 1

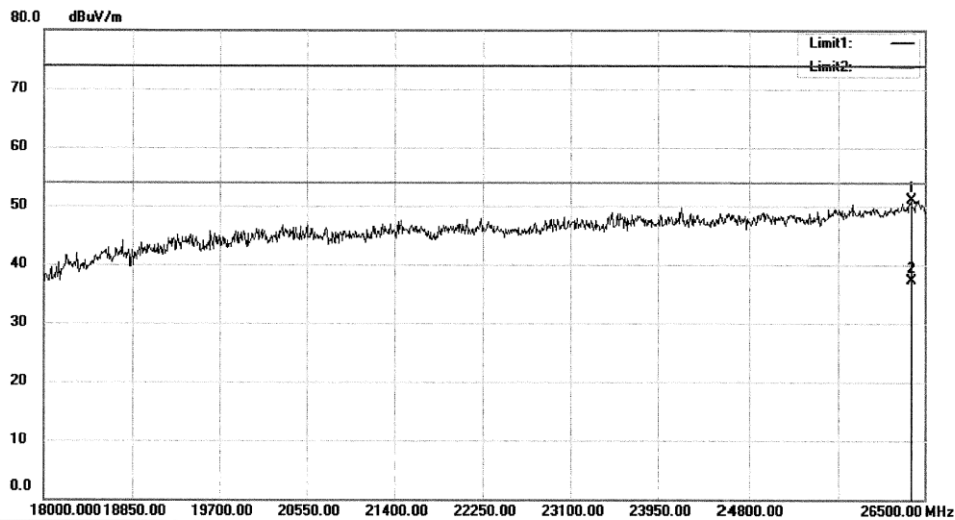
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Radiated Emission Measurement

File :TUV 8

Data :#269

Date: 15/08/15/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		26364.00	86.45	-35.35	51.10	74.00	-22.90	peak		
2	*	26364.00	72.59	-35.35	37.24	54.00	-16.76	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#269

Page: 1

Prüfbericht - Nr.: 17051839 001
Test Report No.
Seite 78 von 140
Page 78 of 140

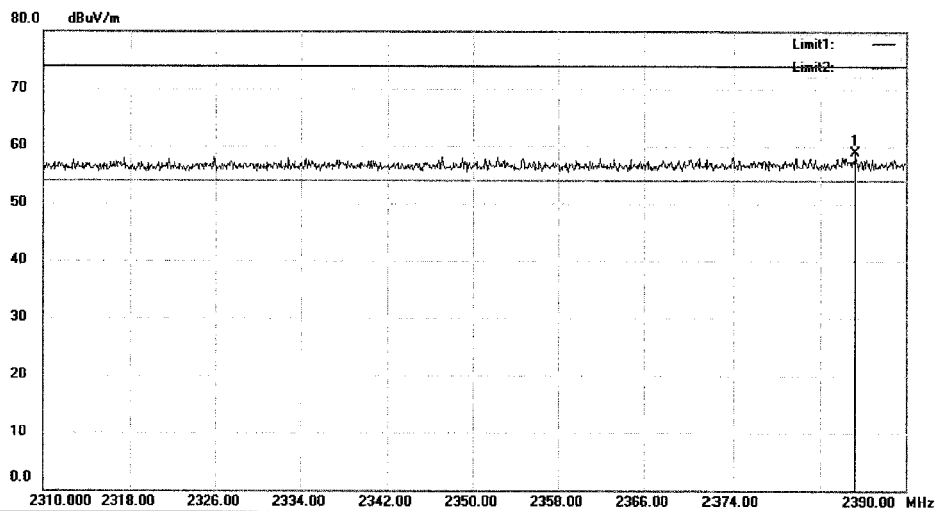
Test Plot of Band Edge of BDR & EDR

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Radiated Emission Measurement

File :TUV 8 Data :#95 Date: 15/08/13/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:GFSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1	*	2385.280	28.50	30.48	58.98	74.00	-15.02	peak		

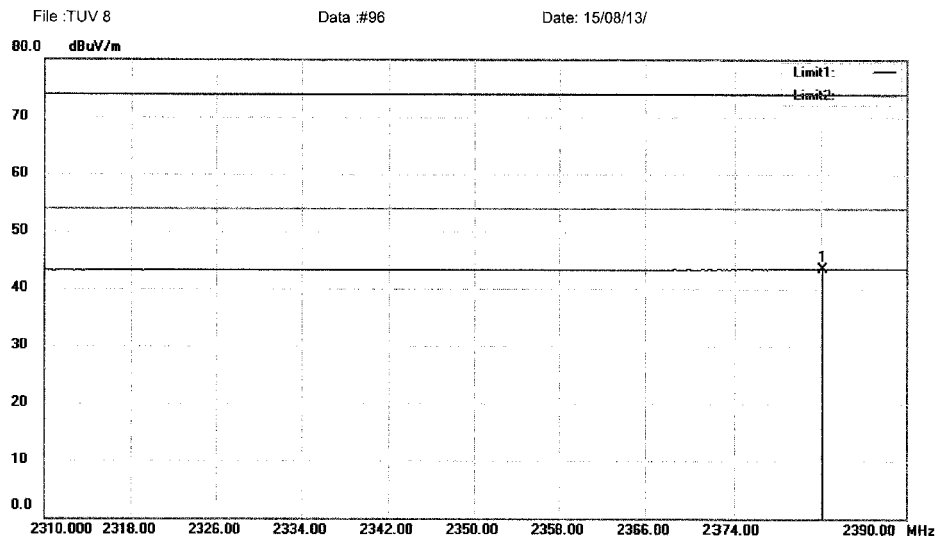
*:Maximum data x:Over limit l:over margin

Operator: XLX

File :TUV 8\Data :#95

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode: GFSK 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2382.160	13.06	30.46	43.52	54.00	-10.48	AVG		

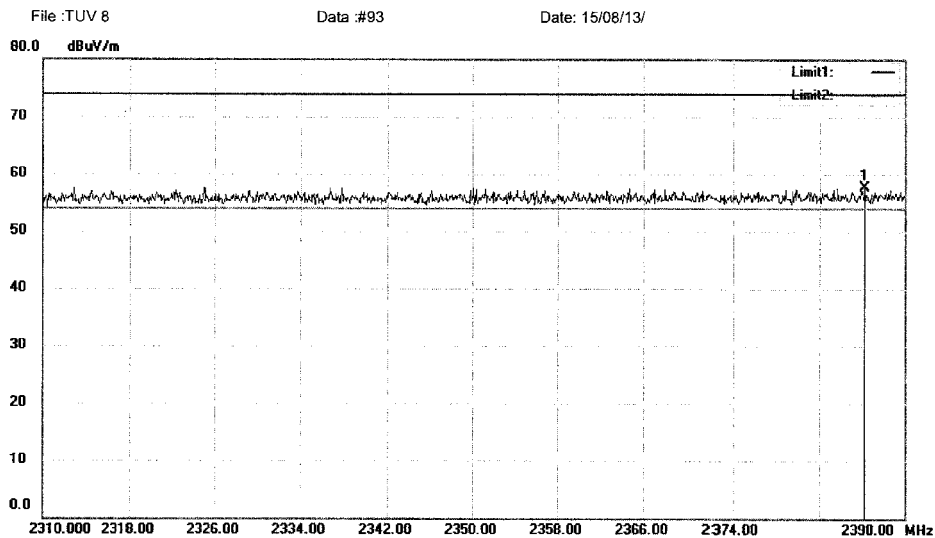
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Operator: XLX

File: TUV 8\Data: #96

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode: GFSK 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2386.240	27.20	30.48	57.68	74.00	-16.32	peak		

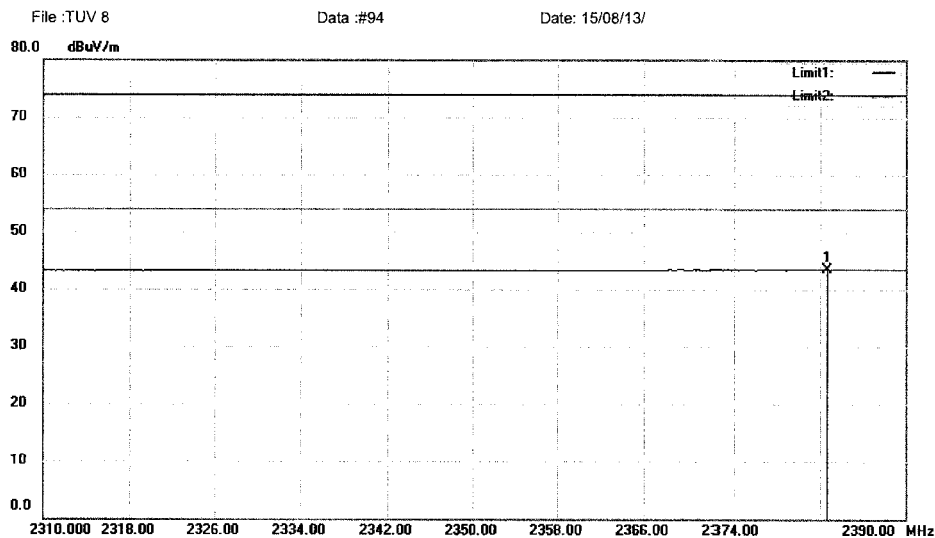
*: Maximum data x: Over limit !: over margin

Operator: XLX

File: TUV 8\Data: #93

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode: GFSK 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2382.720	13.11	30.46	43.57	54.00	-10.43	AVG		

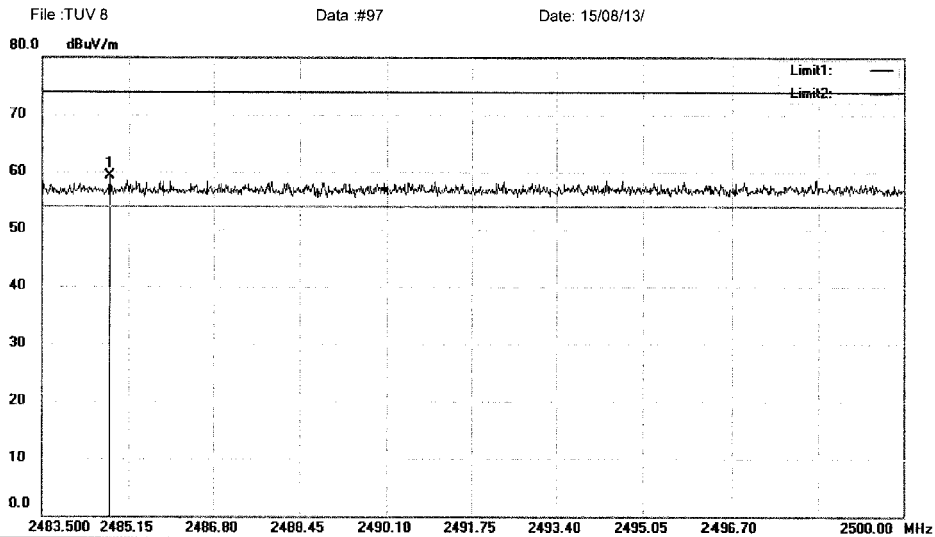
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Operator: XLX

File: TUV 8\Data: #94

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Radiated Emission Measurement


Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2484.787	28.27	30.96	59.23	74.00	-14.77	peak		

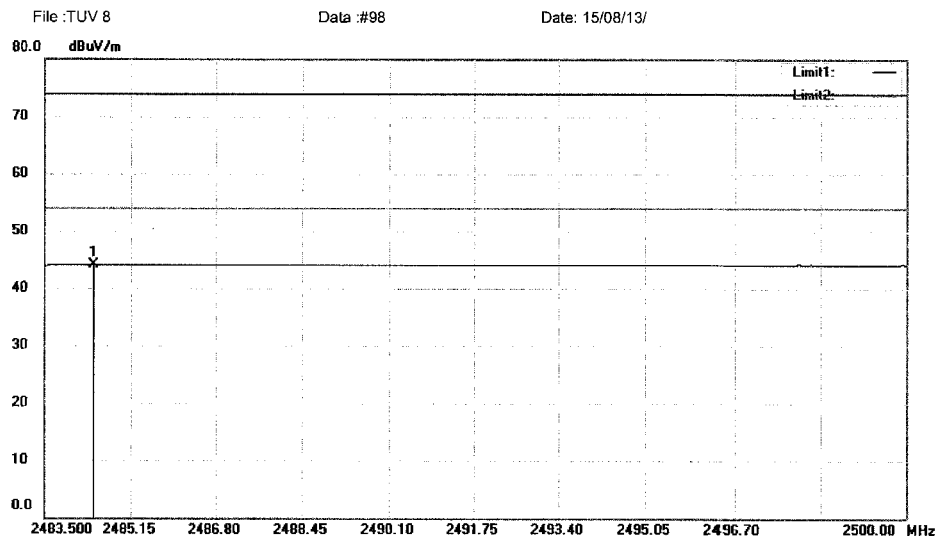
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Operator: XLX

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: GFSK 2480

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	2484.441	13.15	30.96	44.11	54.00	-9.89	AVG		

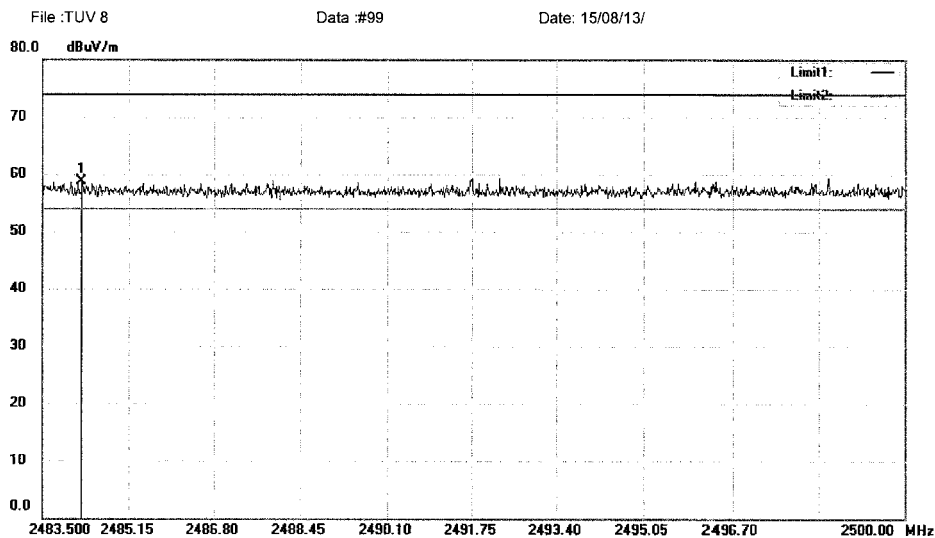
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Operator: XLX

File: TUV 8\Data: #98

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2484.242	27.65	30.96	58.61	74.00	-15.39	peak		

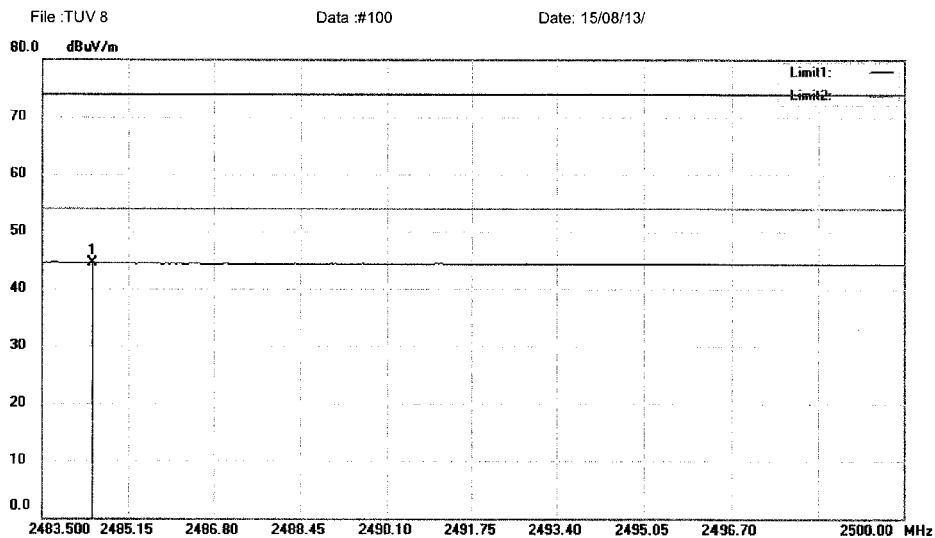
*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data: #99

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2484.457	13.60	30.96	44.56	54.00	-9.44	AVG		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data: #100

Page: 1

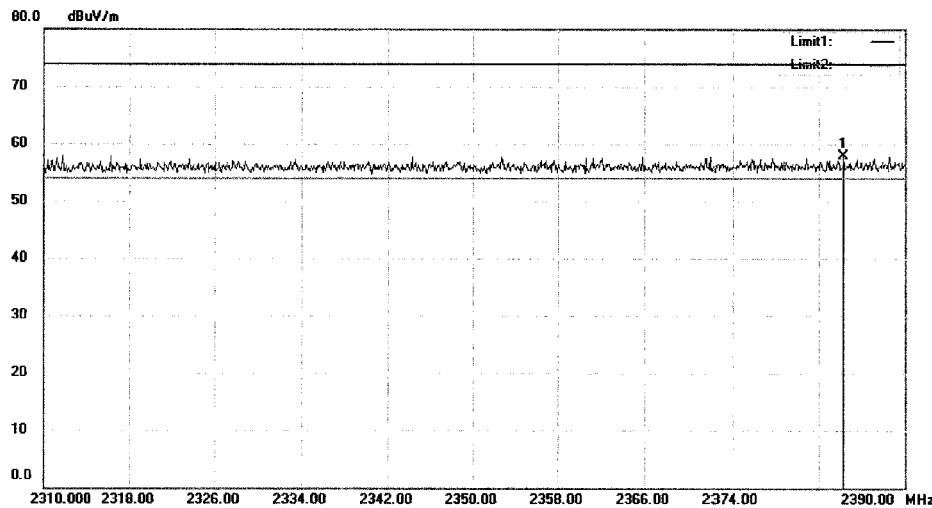
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Radiated Emission Measurement

File :TUV 8

Data :#111

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1	*	2384.320	27.47	30.48	57.95	74.00	-16.05	peak		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#111

Page: 1

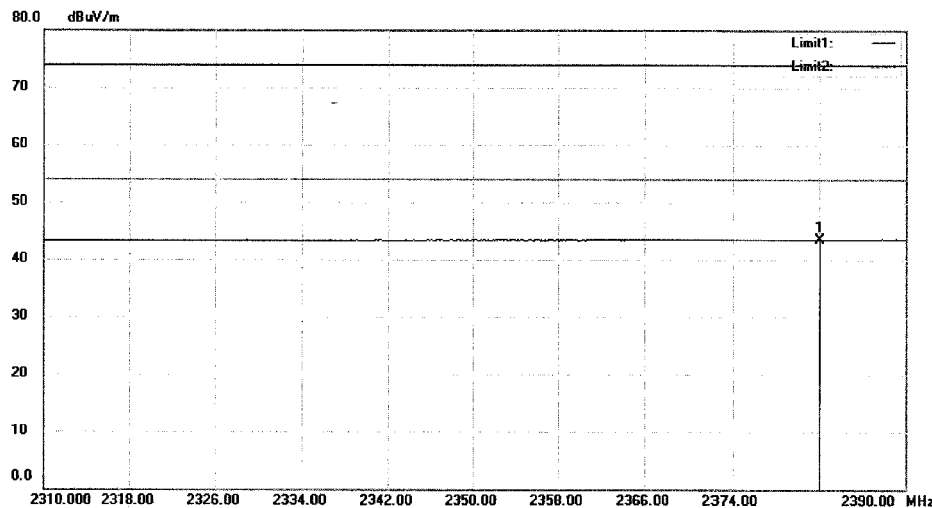
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Radiated Emission Measurement

File : TUV 8

Data : #112

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2382.080	13.14	30.46	43.60	54.00	-10.40	AVG		Comment

*:Maximum data x:Over limit !:over margin

Operator: XLX

File : TUV 8\Data : #112

Page: 1

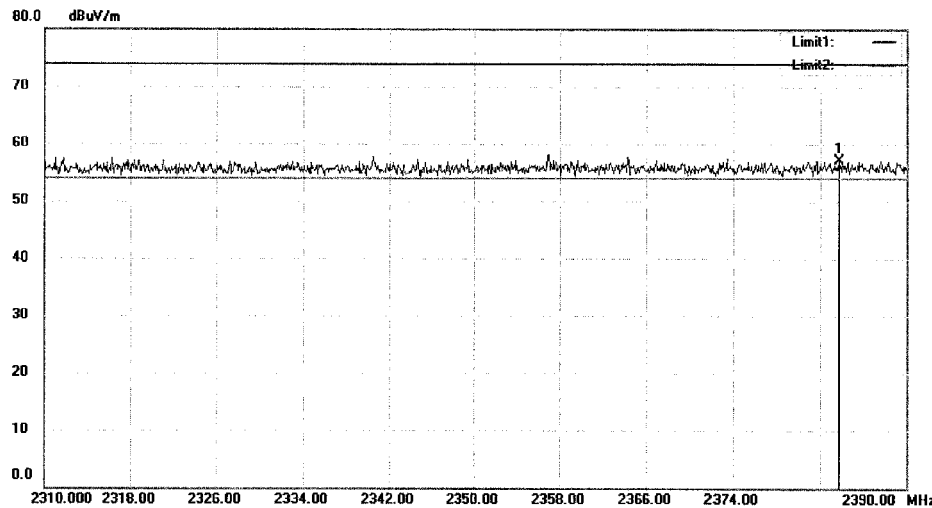
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Radiated Emission Measurement

File: TUV 8

Data: #109

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2383.760	26.66	30.46	57.12	74.00	-16.88	peak		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data: #109

Page: 1

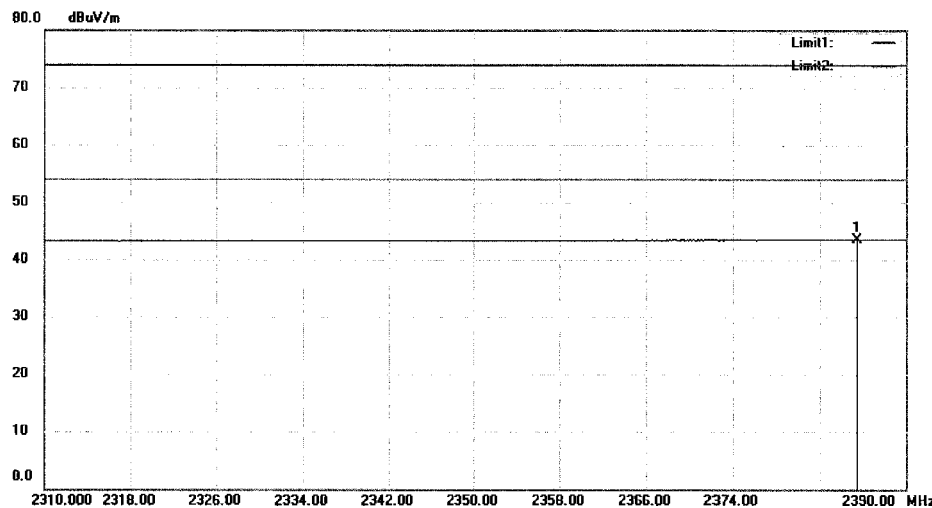
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Radiated Emission Measurement

File: TUV 8

Data: #110

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2385.440	13.08	30.48	43.56	54.00	-10.44	AVG		

*: Maximum data x: Over limit !: over margin

Operator: XLX

File: TUV 8\Data: #110

Page: 1

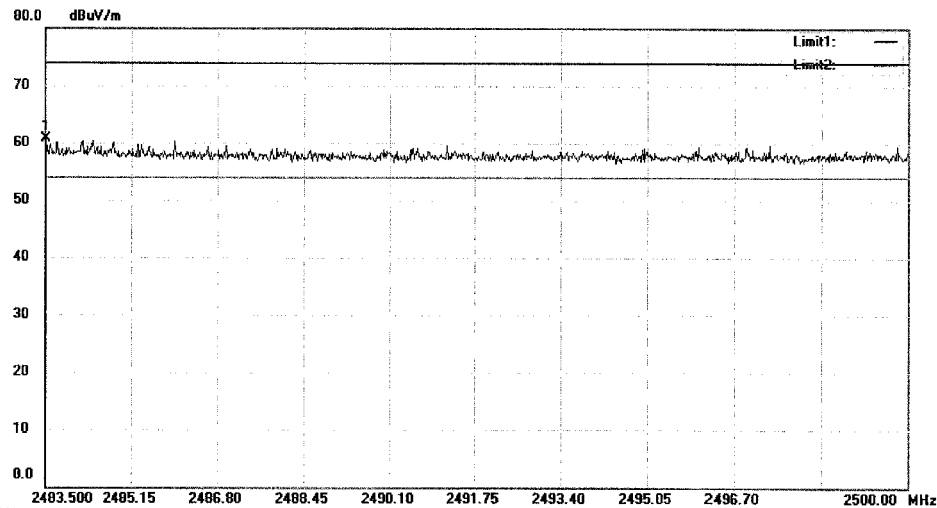
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Radiated Emission Measurement

File: TUV 8

Data: #113

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2483.517	29.66	30.95	60.61	74.00	-13.39	peak		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data: #113

Page: 1

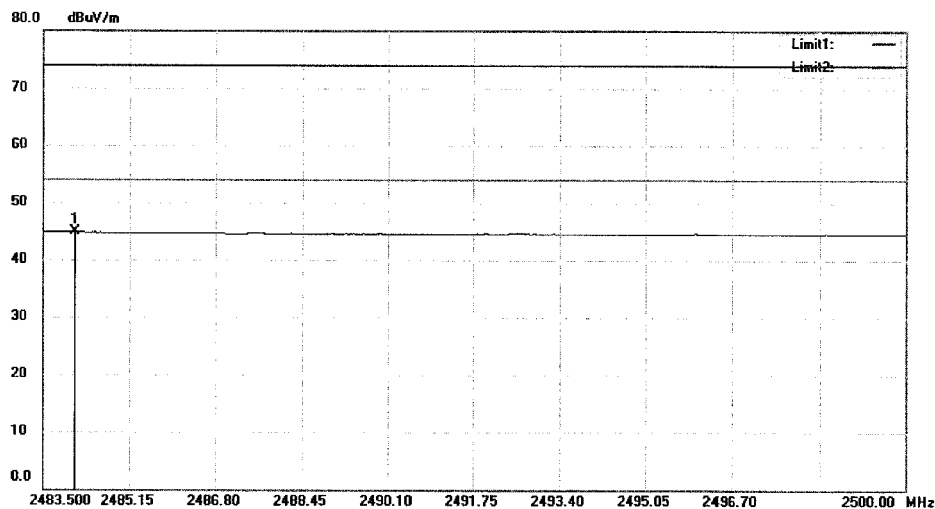
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Radiated Emission Measurement

File :TUV 8

Data :#114

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2484.110	13.89	30.96	44.85	54.00	-9.15	AVG		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#114

Page: 1

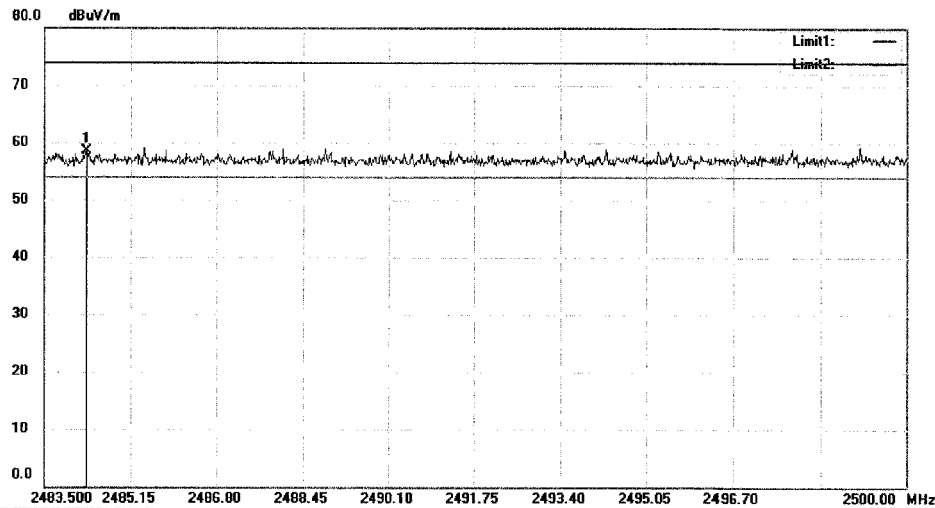
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Radiated Emission Measurement

File: TUV 8

Data: #115

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2484.292	27.58	30.96	58.54	74.00	-15.46	peak		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data: #115

Page: 1

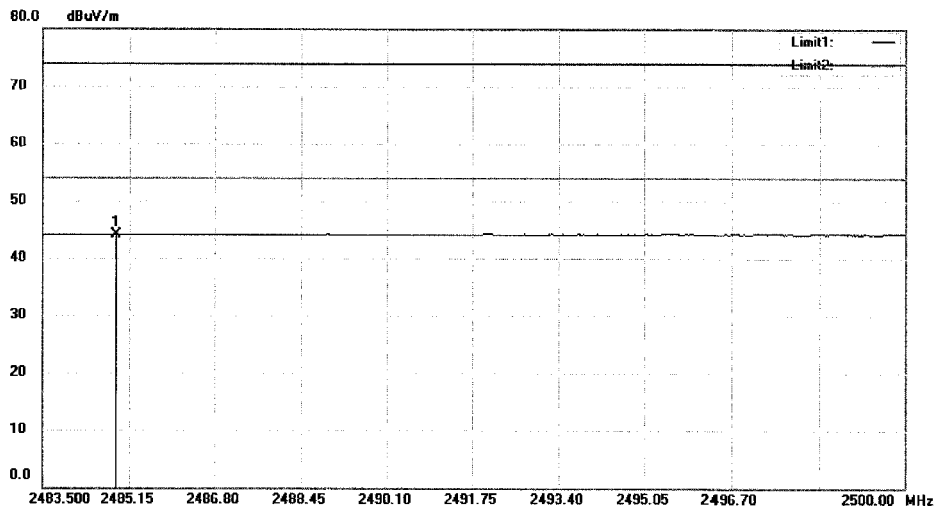
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Radiated Emission Measurement

File: TUV 8

Data: #116

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: 8DPSK 2480

Note:

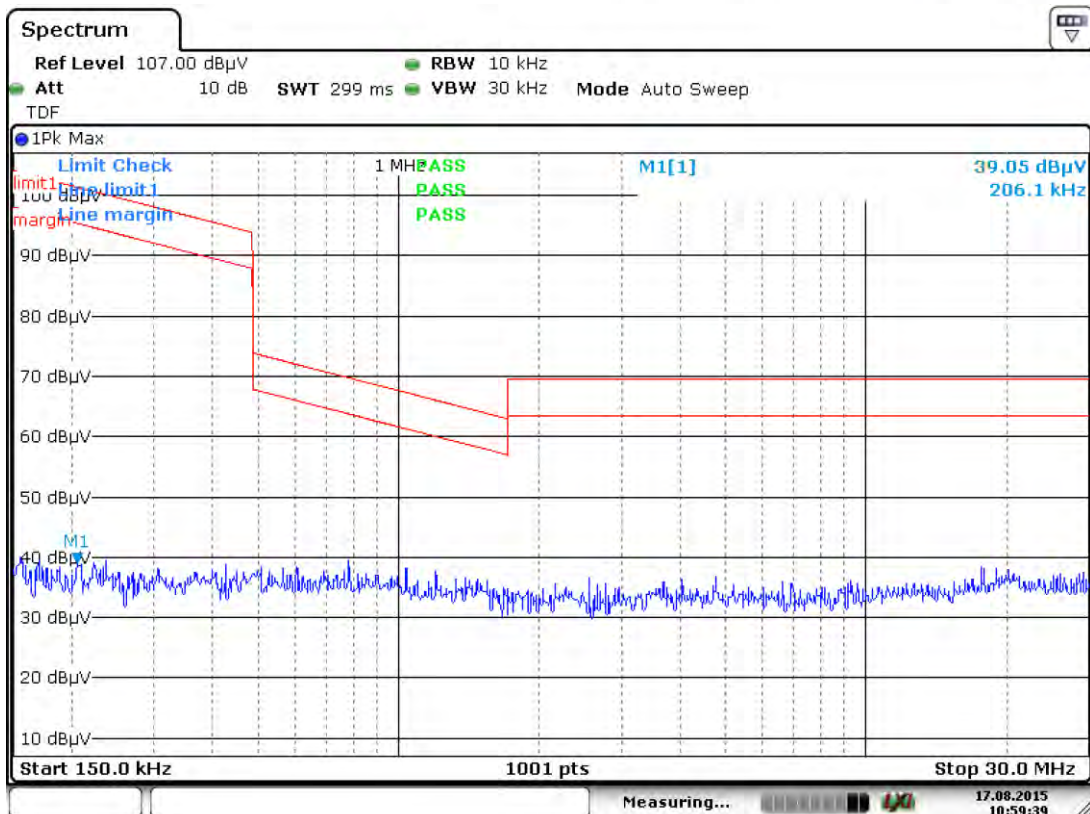
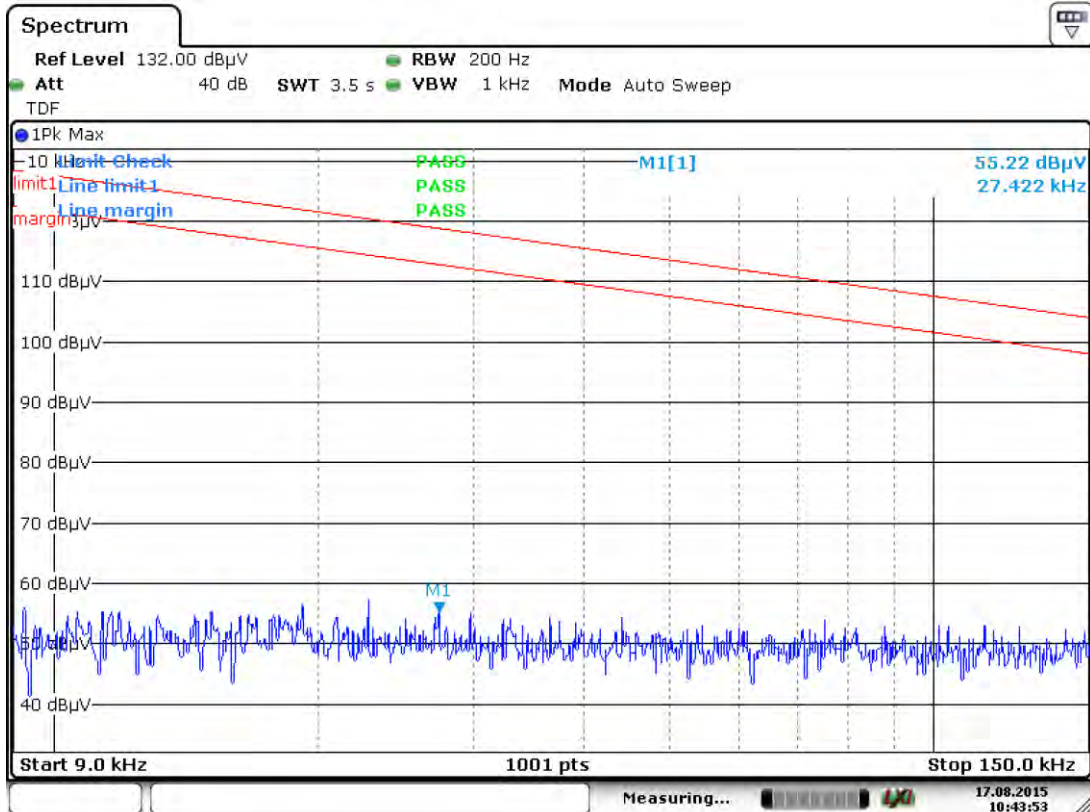
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2484.886	13.23	30.96	44.19	54.00	-9.81	AVG		

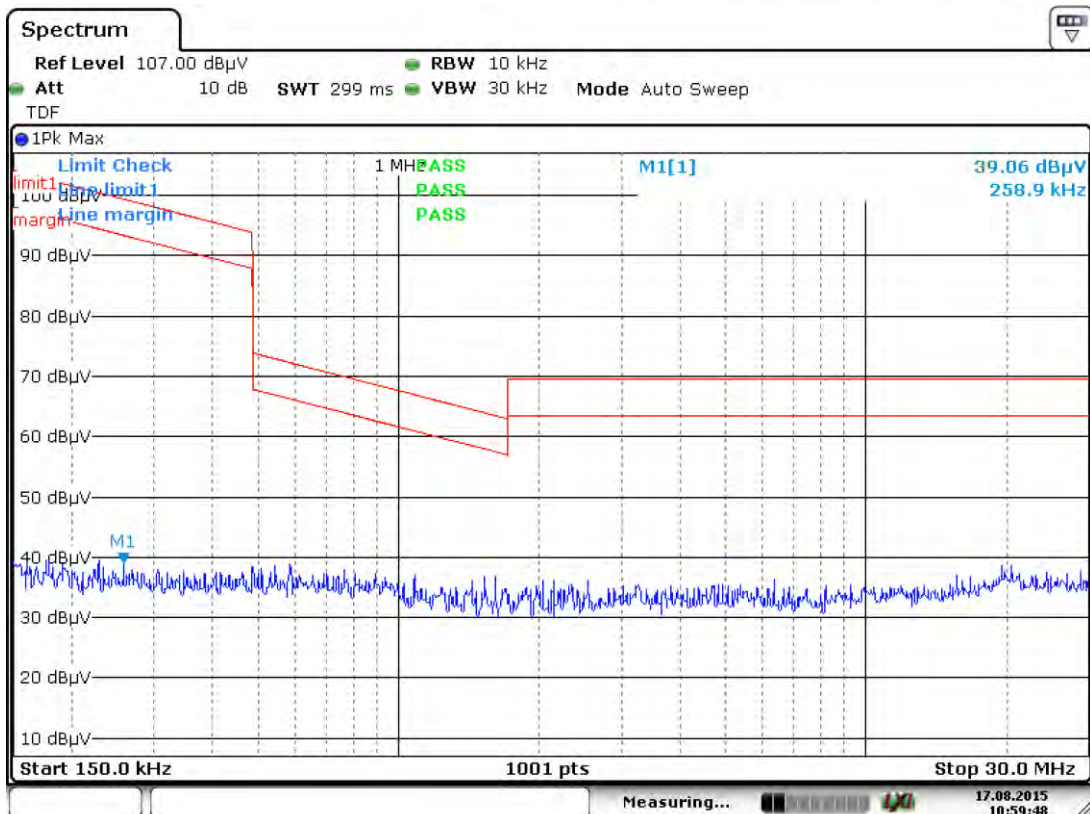
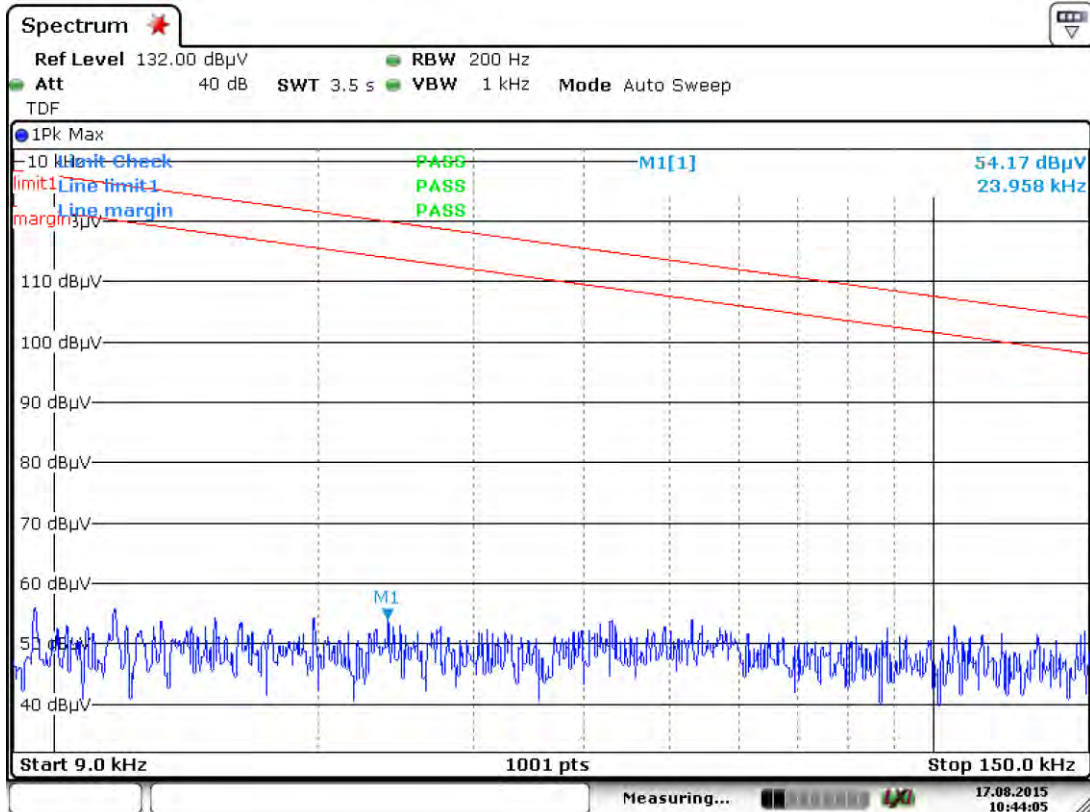
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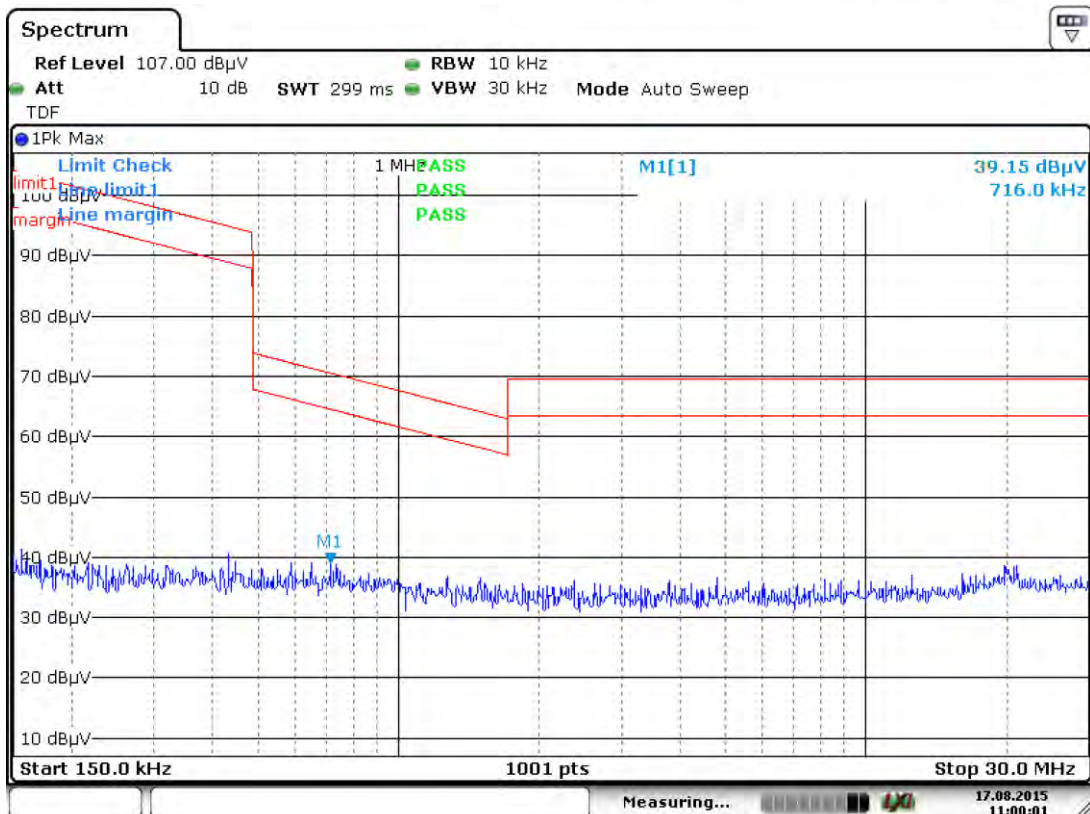
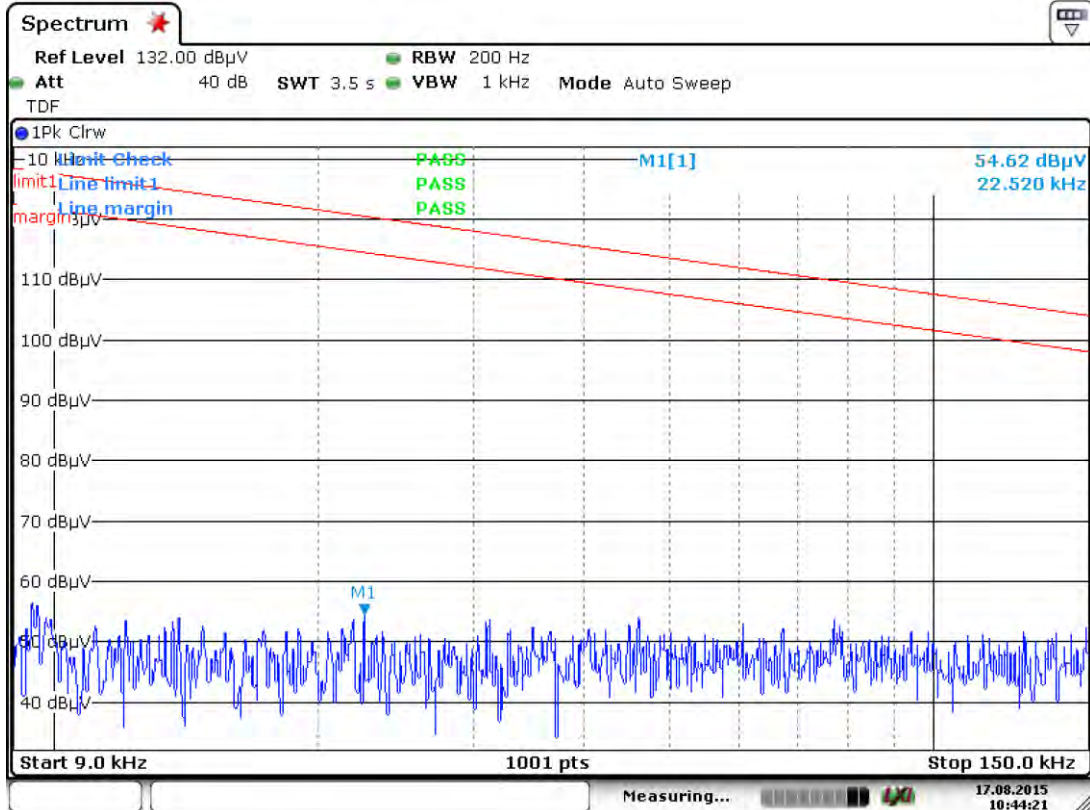
Operator: XLX

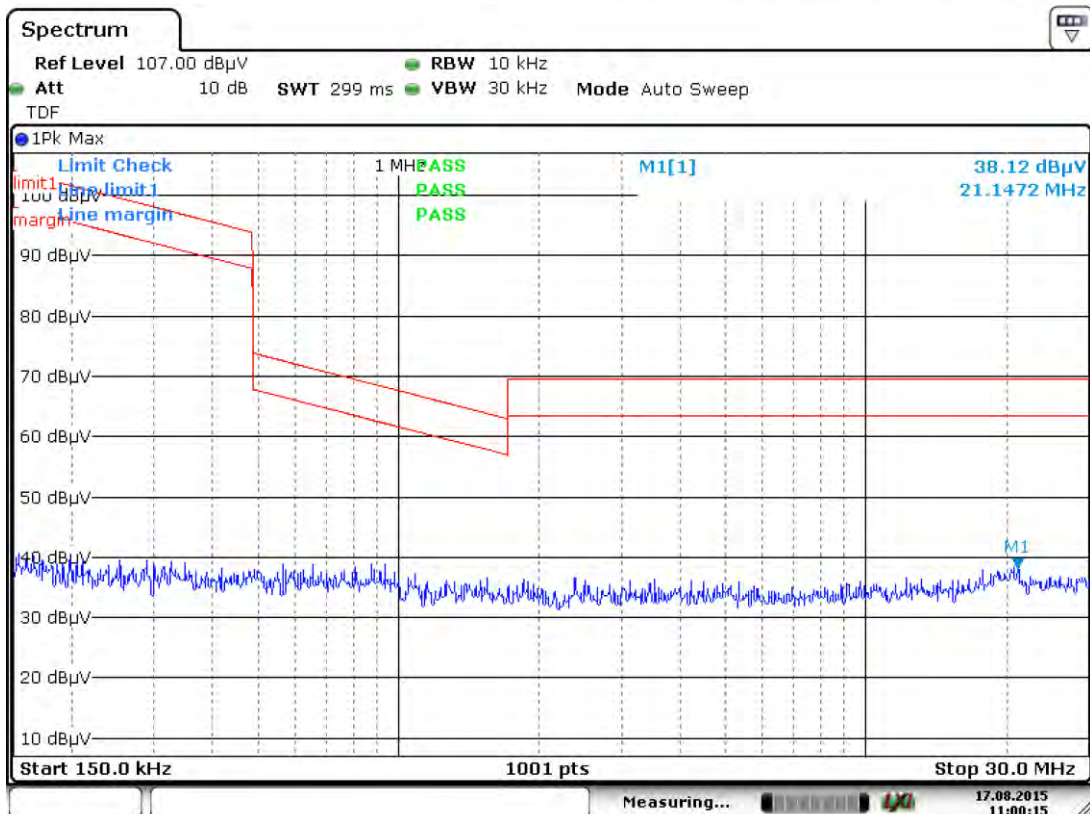
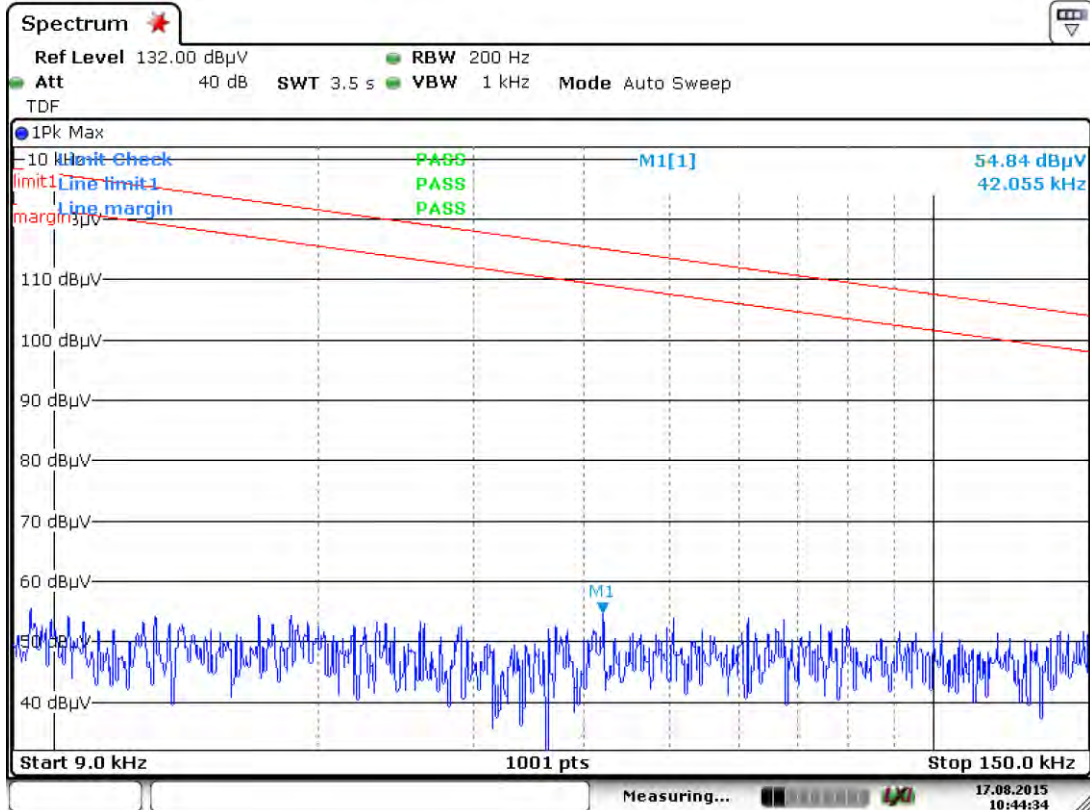
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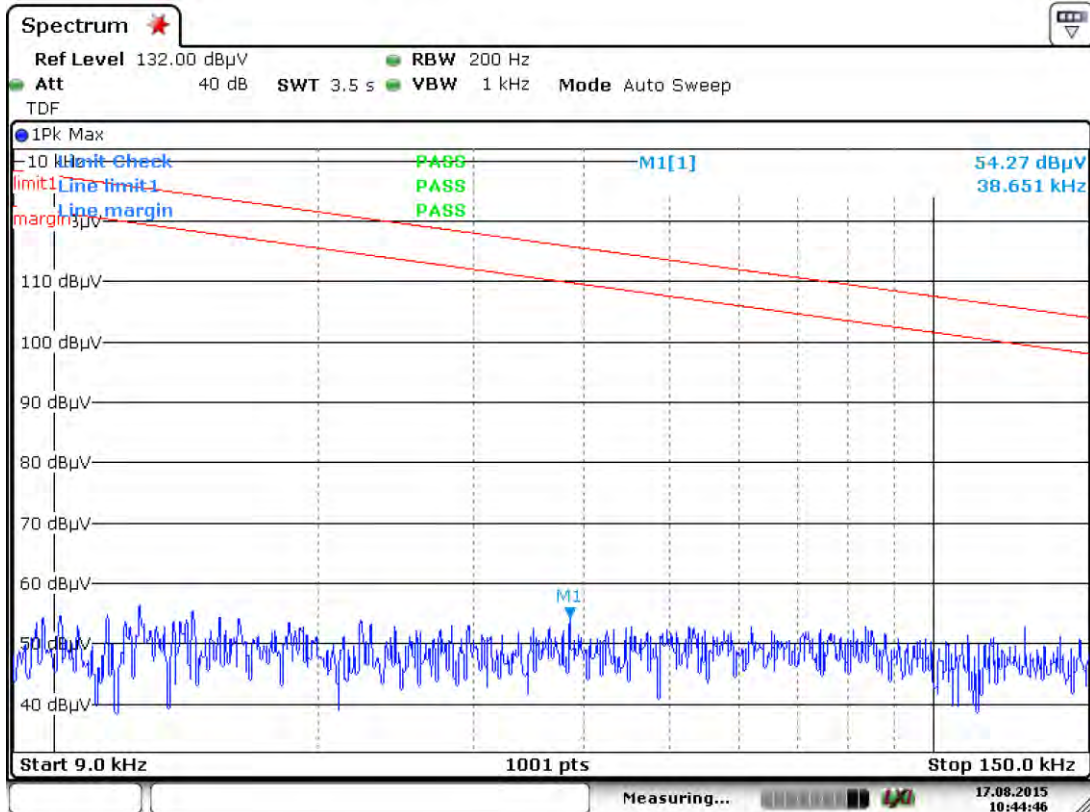
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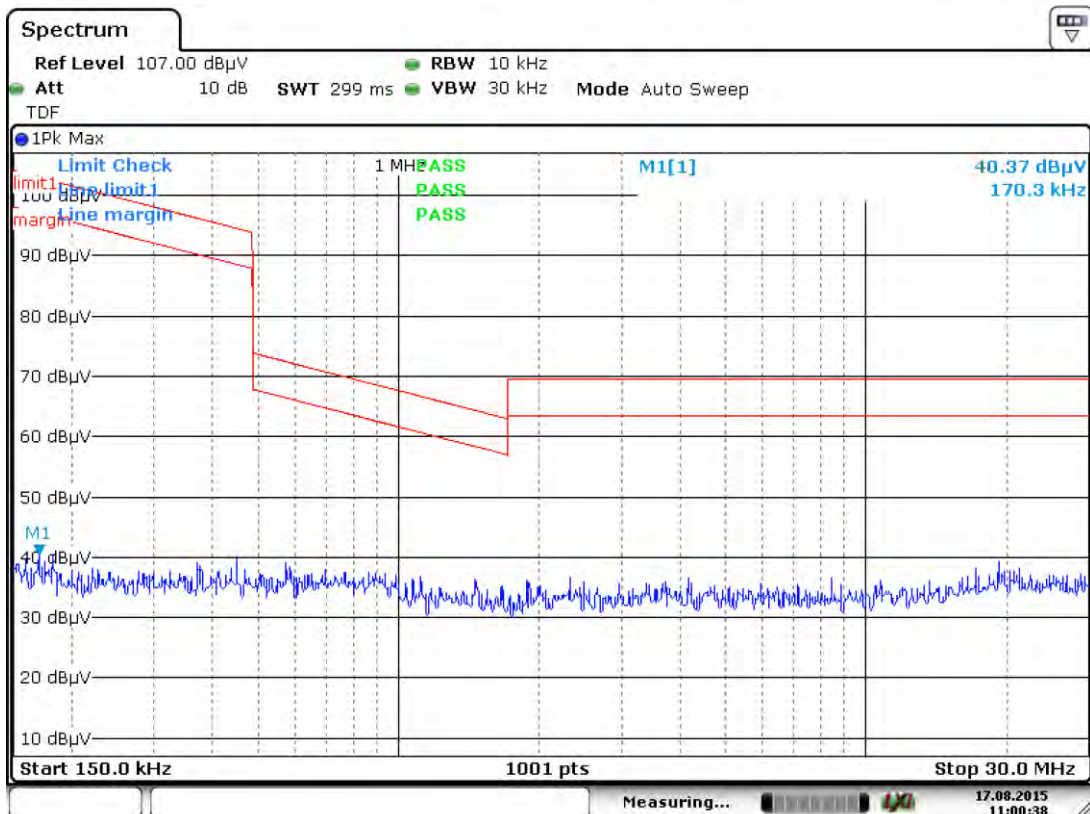
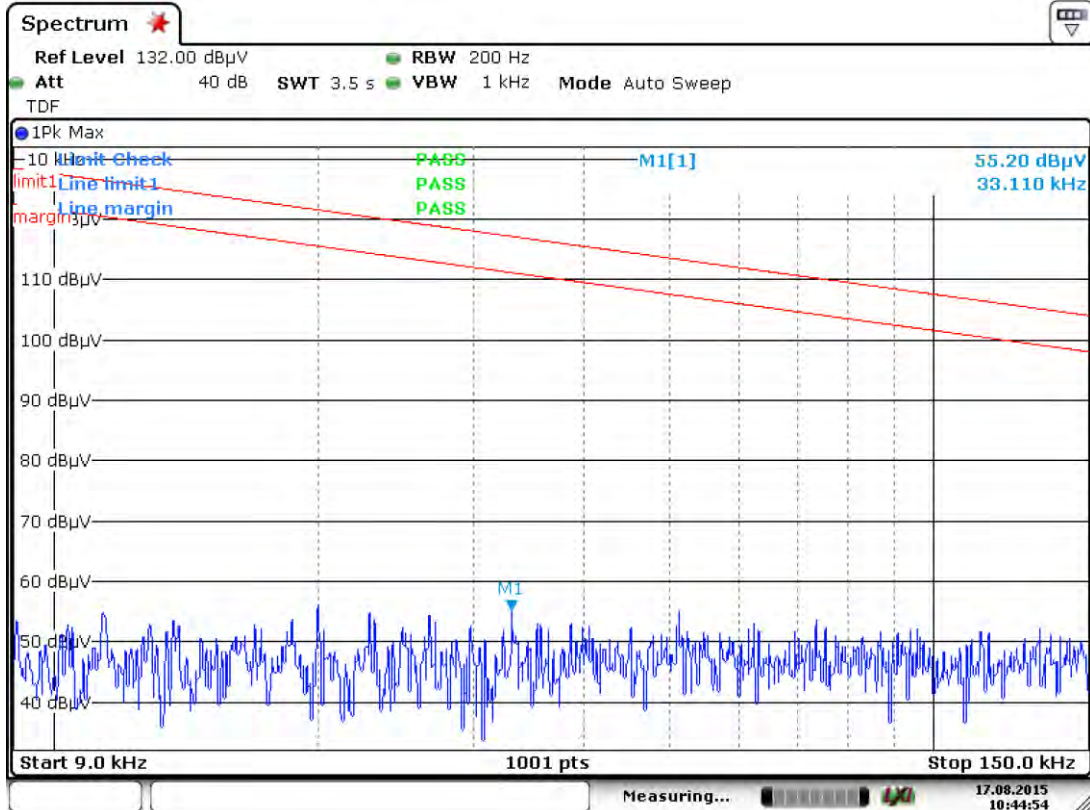
Test Plot of 2402MHz-X of Low Energy mode


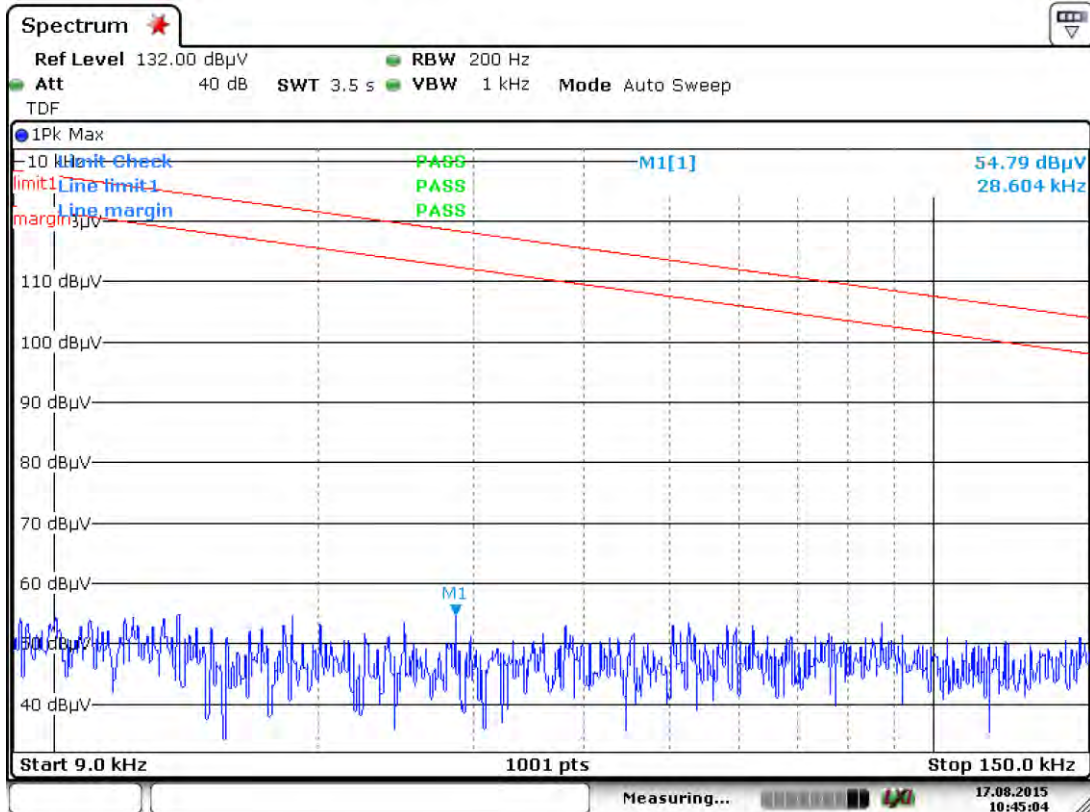
Test Plot of 2402MHz-Y of Low Energy mode


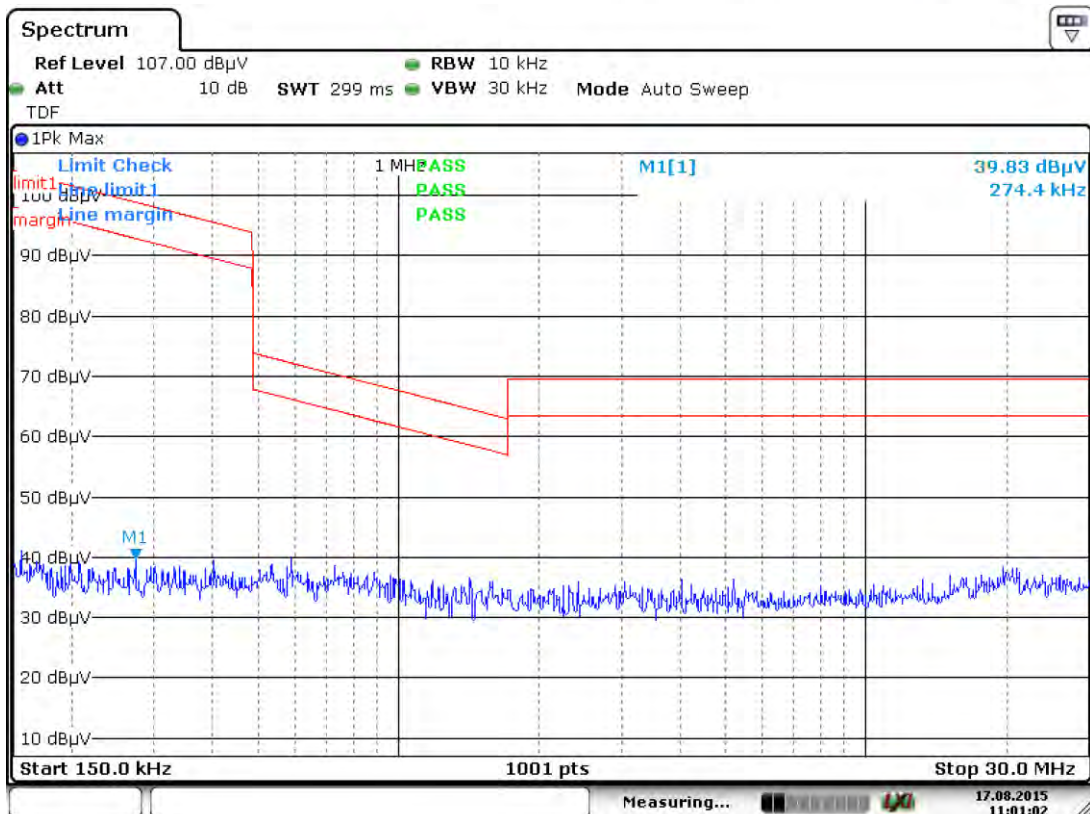
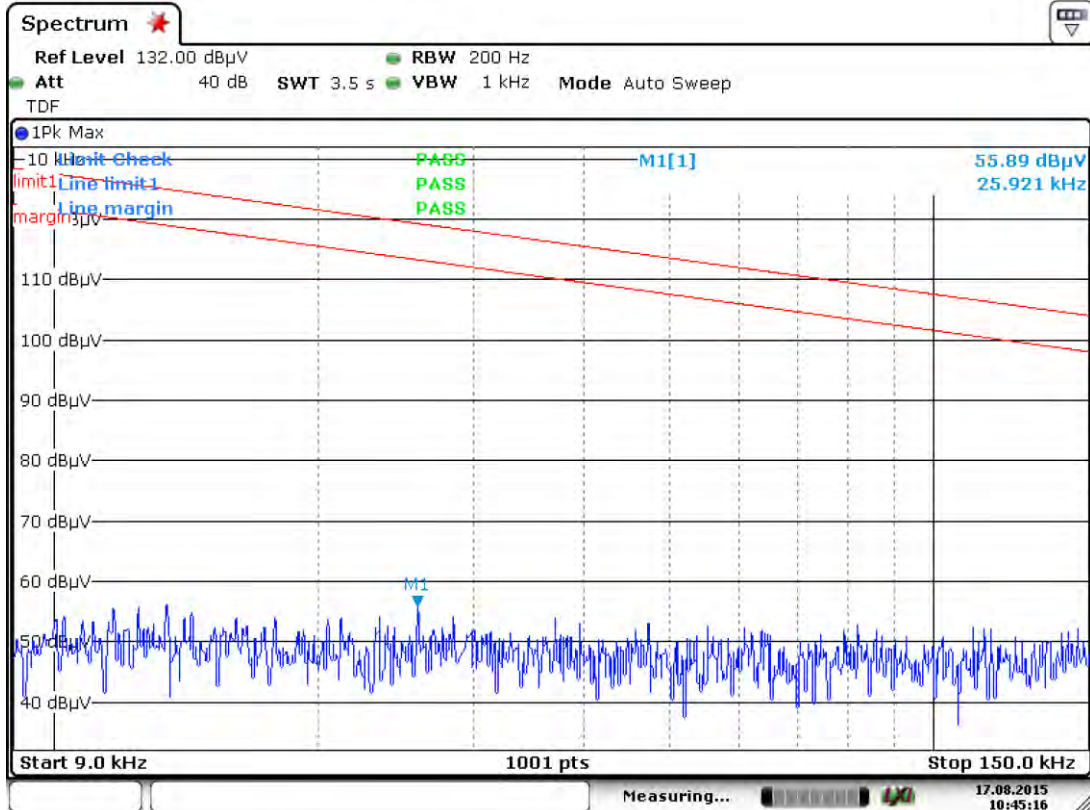
Test Plot of 2402MHz-Z of Low Energy mode


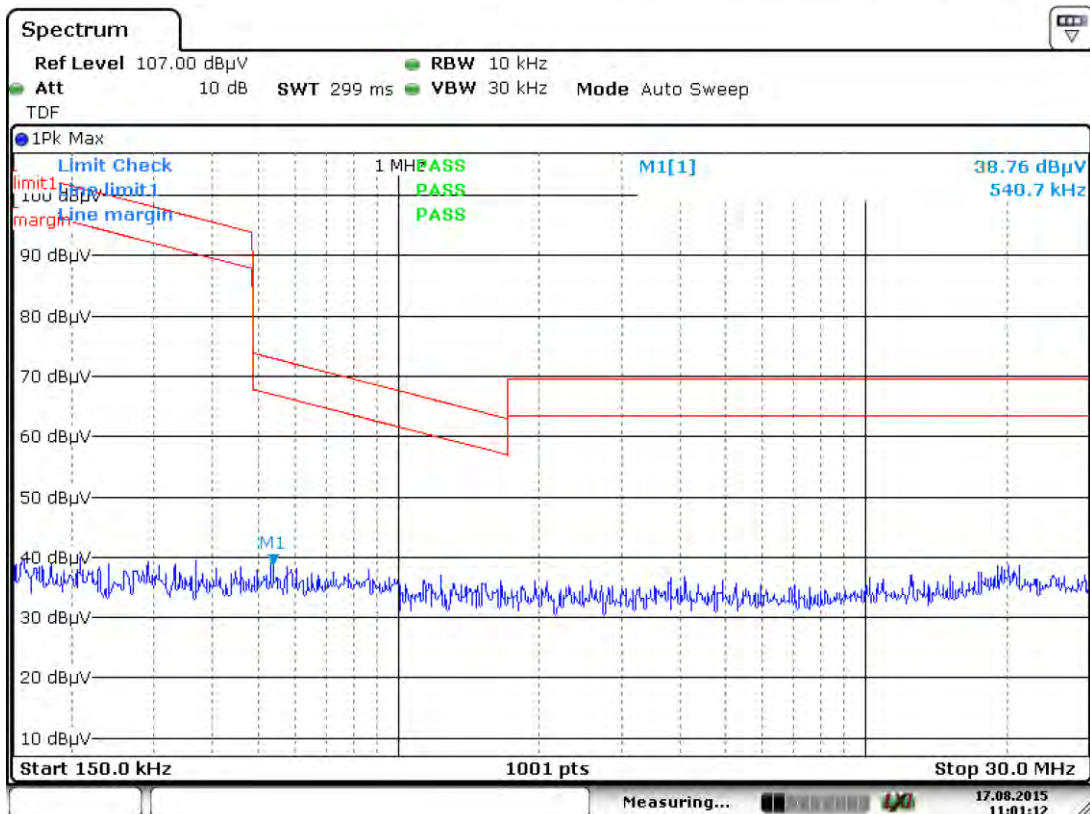
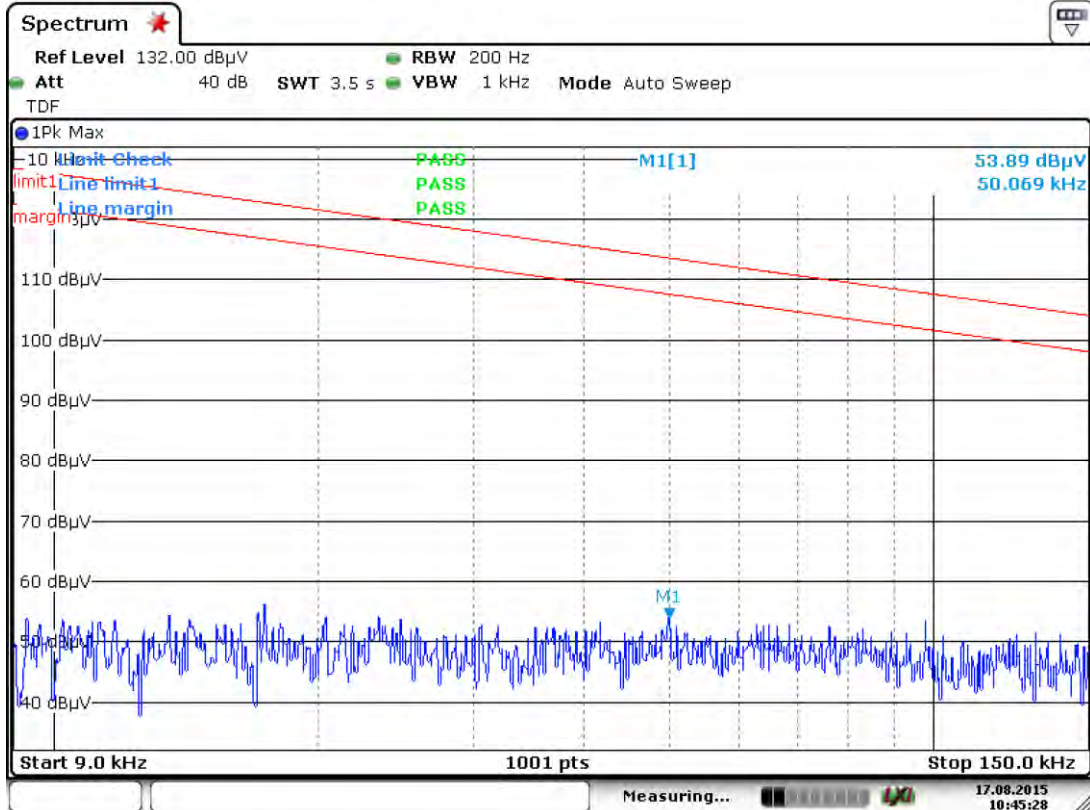
Test Plot of 2440MHz-X of Low Energy mode


Test Plot of 2440MHz-Y of Low Energy mode


Test Plot of 2440MHz-Z of Low Energy mode


Test Plot of 2480MHz-X of Low Energy mode


Test Plot of 2480MHz-Y of Low Energy mode


Test Plot of 2480MHz-Z of Low Energy mode


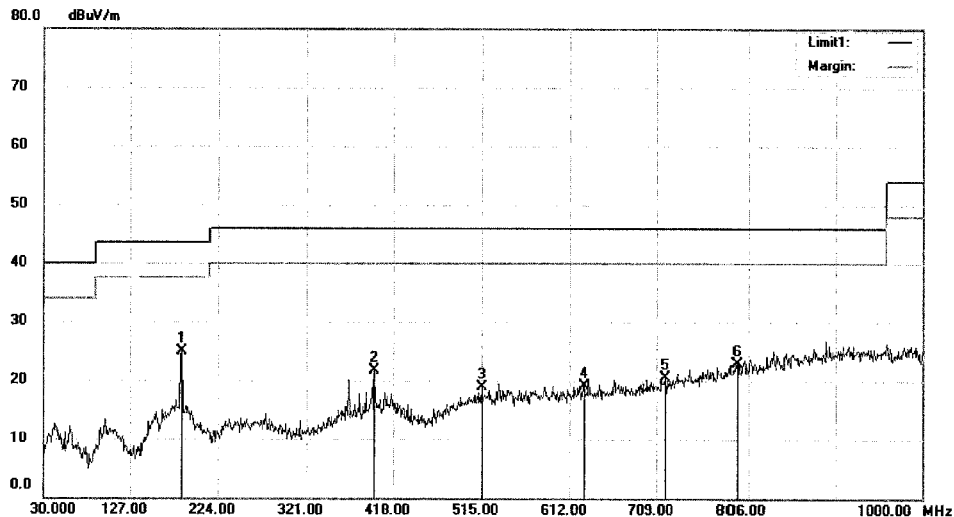
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Radiated Emission Measurement

File :TUV 8

Data :#43

Date: 15/08/10/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	184.2300	43.12	-18.25	24.87	43.50	-18.63	QP		
2		396.6600	30.70	-9.05	21.65	46.00	-24.35	QP		
3		515.0000	26.52	-7.67	18.85	46.00	-27.15	QP		
4		627.5200	25.83	-6.70	19.13	46.00	-26.87	QP		
5		718.7000	25.86	-5.39	20.47	46.00	-25.53	QP		
6		793.3900	25.98	-3.07	22.91	46.00	-23.09	QP		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#43

Page: 1

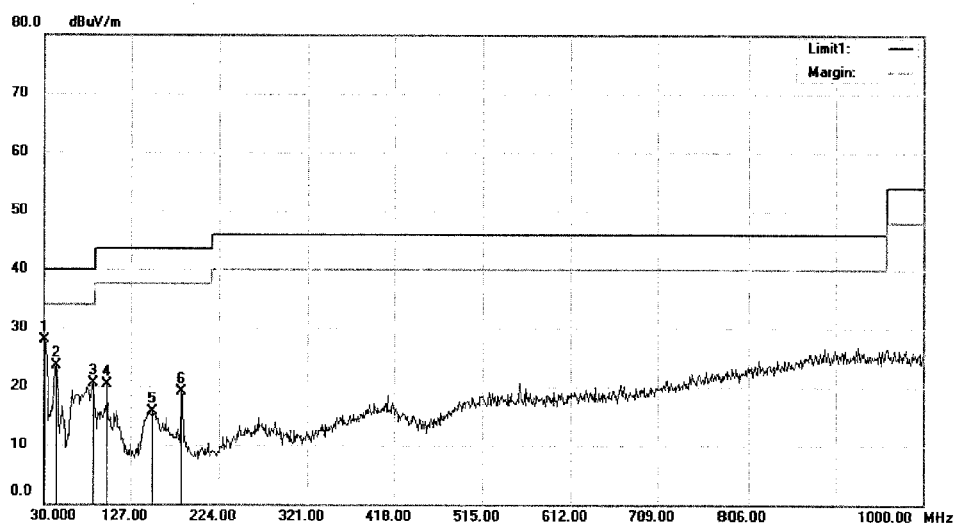
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Radiated Emission Measurement

File : TUV 8

Data : #44

Date: 15/08/10/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	30.9700	44.12	-16.13	27.99	40.00	-12.01	QP		
2		43.5800	36.57	-13.13	23.44	40.00	-16.56	QP		
3		85.2900	38.86	-18.41	20.45	40.00	-19.55	QP		
4		100.8100	34.24	-14.02	20.22	43.50	-23.28	QP		
5		151.2500	33.98	-18.18	15.80	43.50	-27.70	QP		
6		183.2600	37.42	-18.41	19.01	43.50	-24.49	QP		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File : TUV 8\Data : #44

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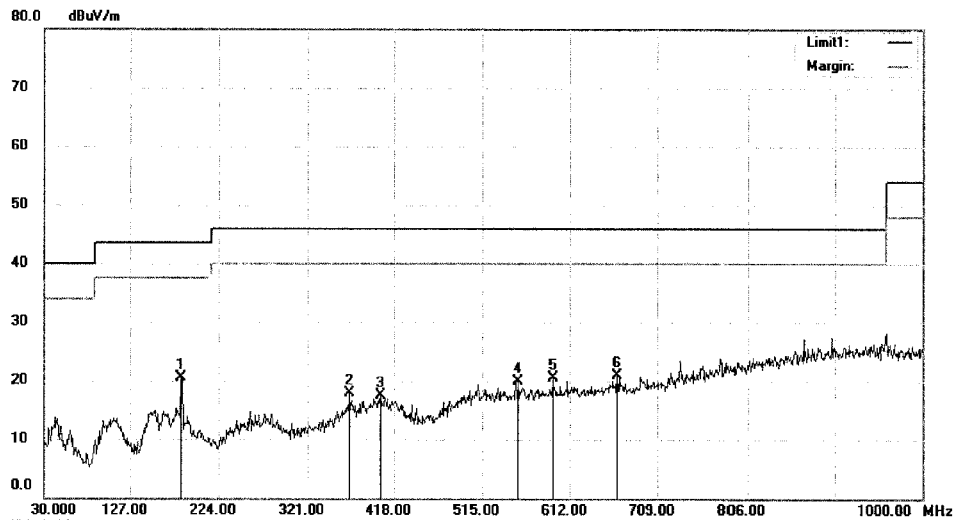
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Radiated Emission Measurement

File: TUV 8

Data: #45

Date: 15/08/10/



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	183.2600	38.87	-18.41	20.46	43.50	-23.04	QP		
2		368.5300	28.35	-10.42	17.93	46.00	-28.07	QP		
3		403.4500	26.54	-8.96	17.58	46.00	-28.42	QP		
4		554.7700	27.33	-7.36	19.97	46.00	-26.03	QP		
5		592.6000	27.50	-7.05	20.45	46.00	-25.55	QP		
6		664.3800	27.27	-6.34	20.93	46.00	-25.07	QP		

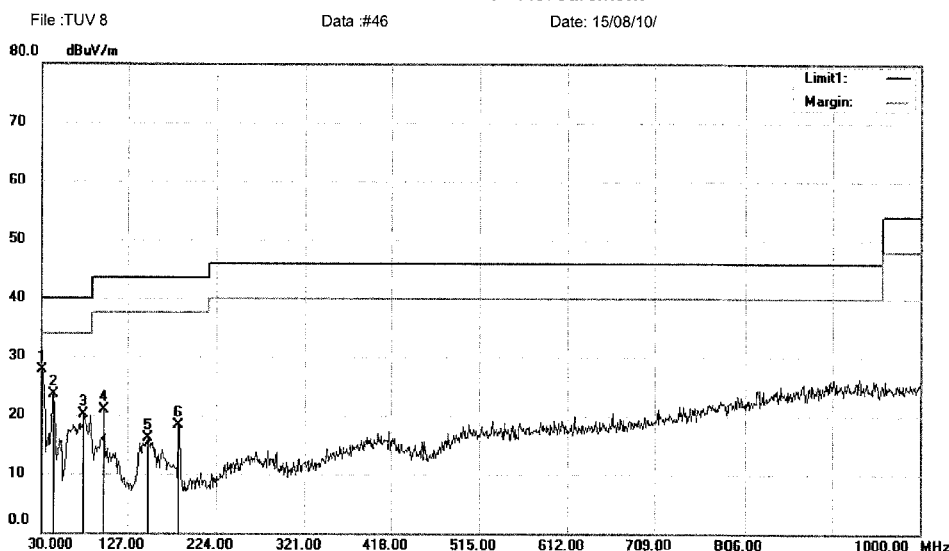
*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data :#45

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE) FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode: BLE 2440
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	30.9700	43.93	-16.13	27.80	40.00	-12.20	QP		
2		43.5800	36.61	-13.13	23.48	40.00	-16.52	QP		
3		77.5300	39.61	-19.46	20.15	40.00	-19.85	QP		
4		100.8100	34.93	-14.02	20.91	43.50	-22.59	QP		
5		149.3100	34.18	-18.08	16.10	43.50	-27.40	QP		
6		183.2600	36.77	-18.41	18.36	43.50	-25.14	QP		

*: Maximum data x: Over limit !: over margin

Operator: XLX

File: TUV 8\Data: #46

Page: 1

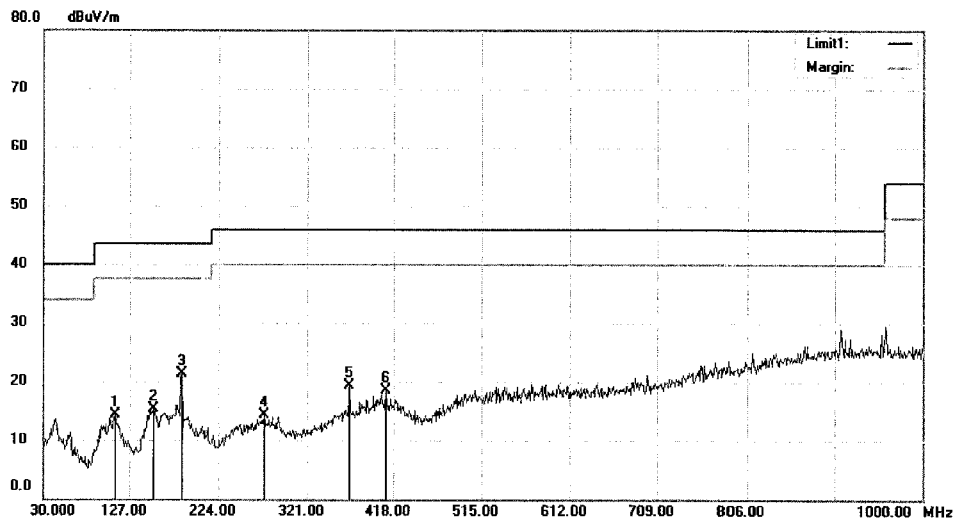
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Radiated Emission Measurement

File: TUV 8

Data: #47

Date: 15/08/10/



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		110.5100	28.70	-14.33	14.37	43.50	-29.13	QP		
2		153.1900	33.60	-18.29	15.31	43.50	-28.19	QP		
3	*	184.2300	39.48	-18.25	21.23	43.50	-22.27	QP		
4		273.4700	26.93	-12.64	14.29	46.00	-31.71	QP		
5		368.5300	29.76	-10.42	19.34	46.00	-26.66	QP		
6		409.2700	27.70	-9.13	18.57	46.00	-27.43	QP		

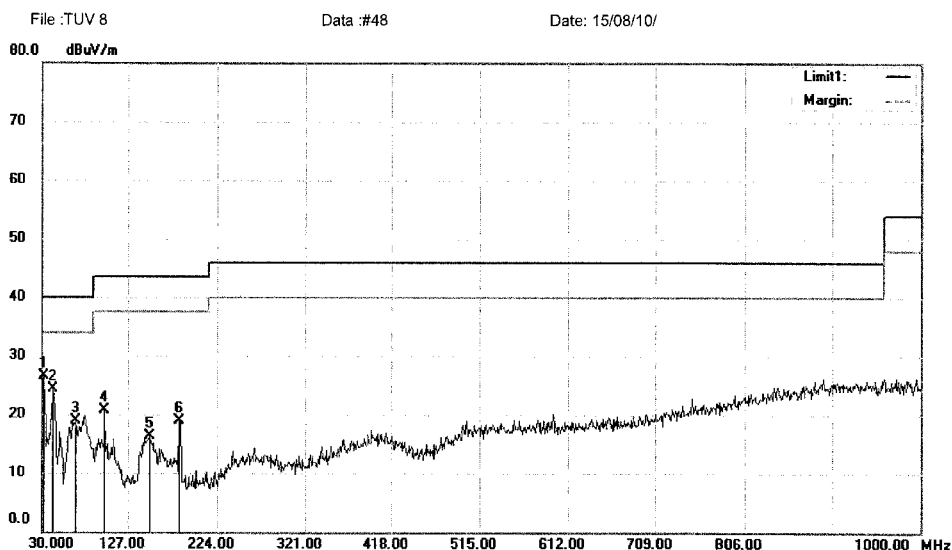
*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data: #47

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3
 Limit: (RE)FCC PART 15.247
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode: BLE 2480
 Note:

Polarization: **Vertical** Temperature: 24 C
 Power: AC 120V/60Hz Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	31.9400	42.38	-15.81	26.57	40.00	-13.43	QP		
2		42.6100	37.24	-13.02	24.22	40.00	-15.78	QP		
3		67.8300	36.71	-17.87	18.84	40.00	-21.16	QP		
4		100.8100	34.64	-14.02	20.62	43.50	-22.88	QP		
5		151.2500	34.41	-18.18	16.23	43.50	-27.27	QP		
6		183.2600	37.24	-18.41	18.83	43.50	-24.67	QP		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 8\Data: #48

Page: 1

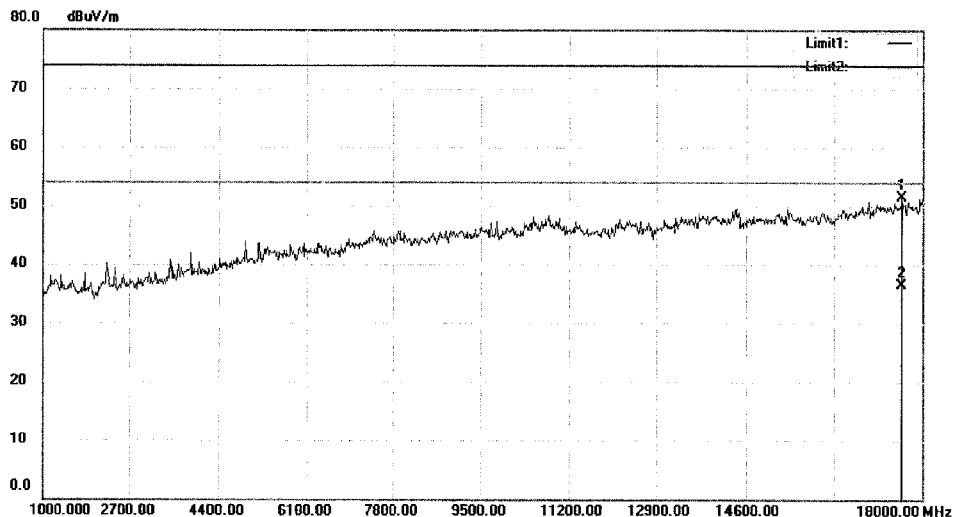
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Radiated Emission Measurement

File: TUV 8

Data: #174

Date: 15/08/14/



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		17609.00	51.75	-0.16	51.59	74.00	-22.41	peak		
2	*	17609.00	36.61	-0.16	36.45	54.00	-17.55	AVG		

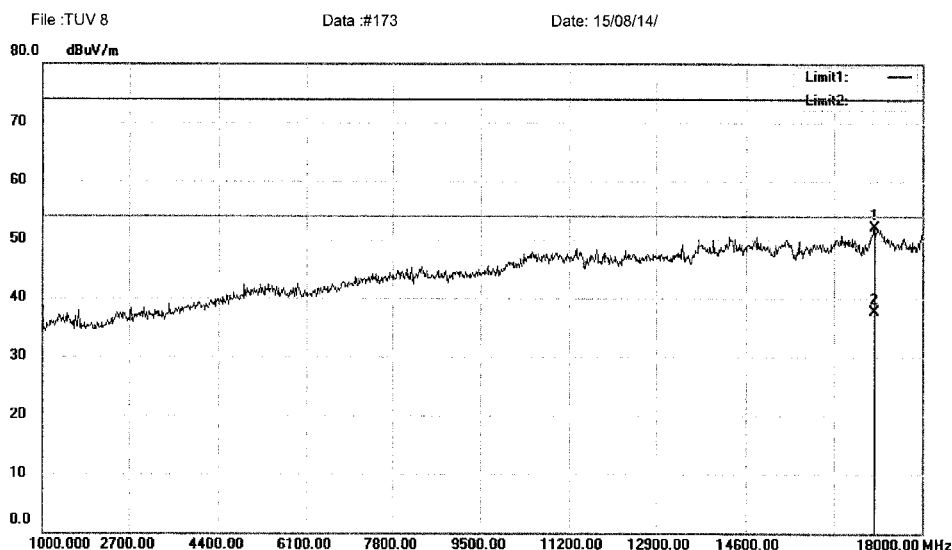
*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV 8\Data: #174

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		17082.00	56.39	-4.31	52.08	74.00	-21.92	peak		
2	*	17082.00	41.96	-4.31	37.65	54.00	-16.35	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 8 \Data: #173

Page: 1

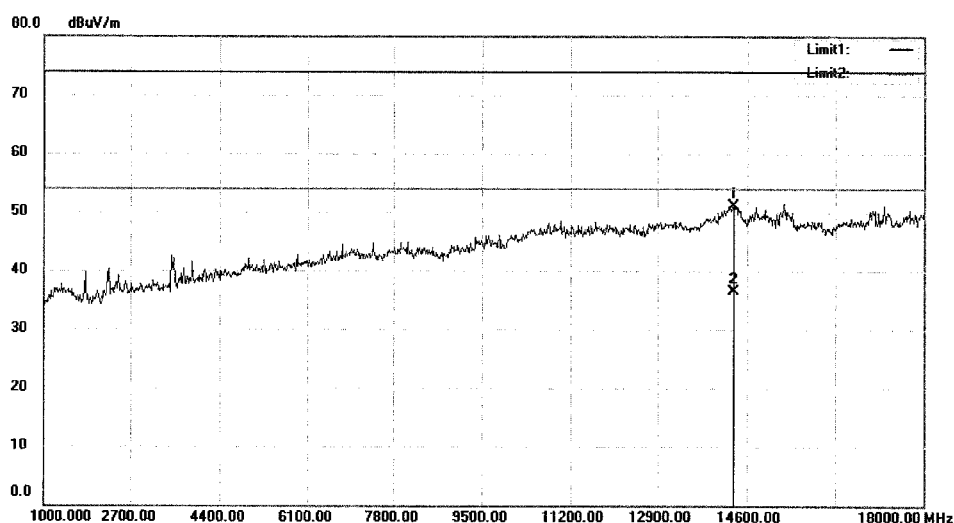
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Radiated Emission Measurement

File: TUV 8

Data: #176

Date: 15/08/14/



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		14328.00	56.96	-5.81	51.15	74.00	-22.85	peak		
2	*	14328.00	42.23	-5.81	36.42	54.00	-17.58	AVG		

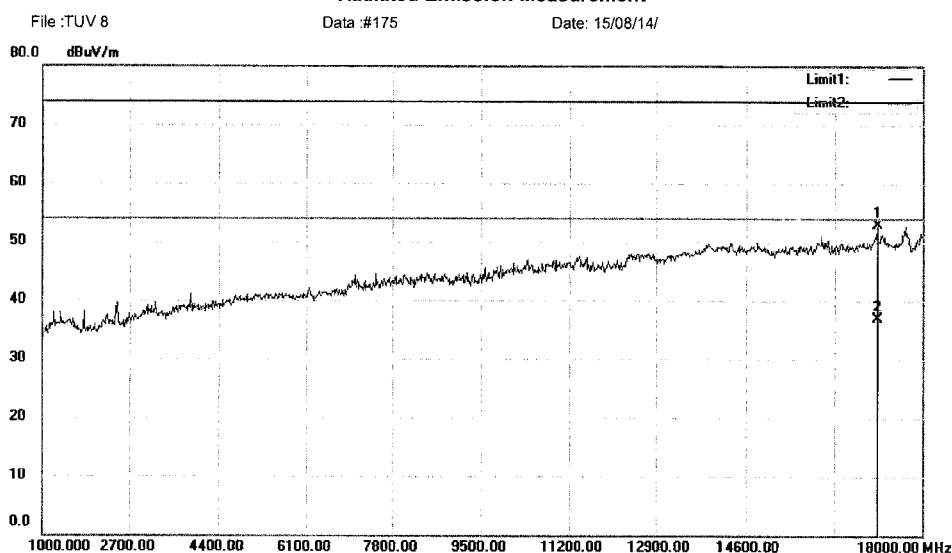
*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV 8\Data: #176

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		17116.00	57.03	-4.04	52.99	74.00	-21.01	peak		
2	*	17116.00	40.91	-4.04	36.87	54.00	-17.13	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 8\Data: #175

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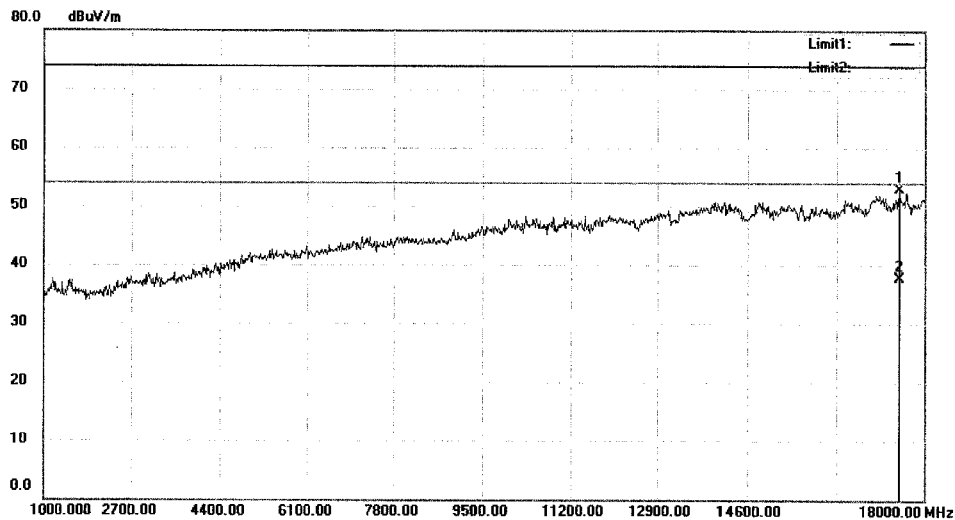
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Radiated Emission Measurement

File :TUV 8

Data :#178

Date: 15/08/14/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		17507.00	53.90	-0.96	52.94	74.00	-21.06	peak		
2	*	17507.00	38.58	-0.96	37.62	54.00	-16.38	AVG		

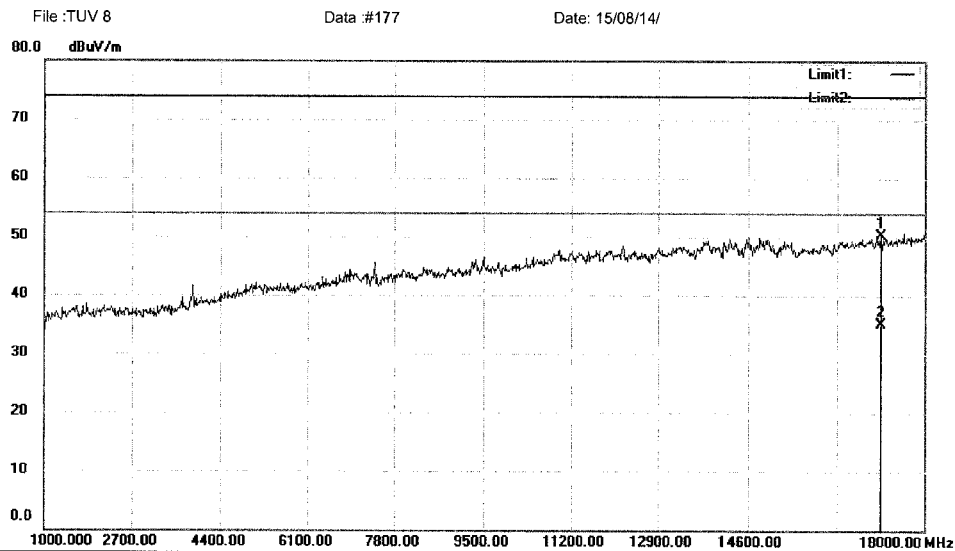
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#178

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE) FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode: BLE 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		17150.00	54.12	-3.79	50.33	74.00	-23.67	peak		
2	*	17150.00	38.91	-3.79	35.12	54.00	-18.88	AVG		

*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV 8\Data: #177

Page: 1

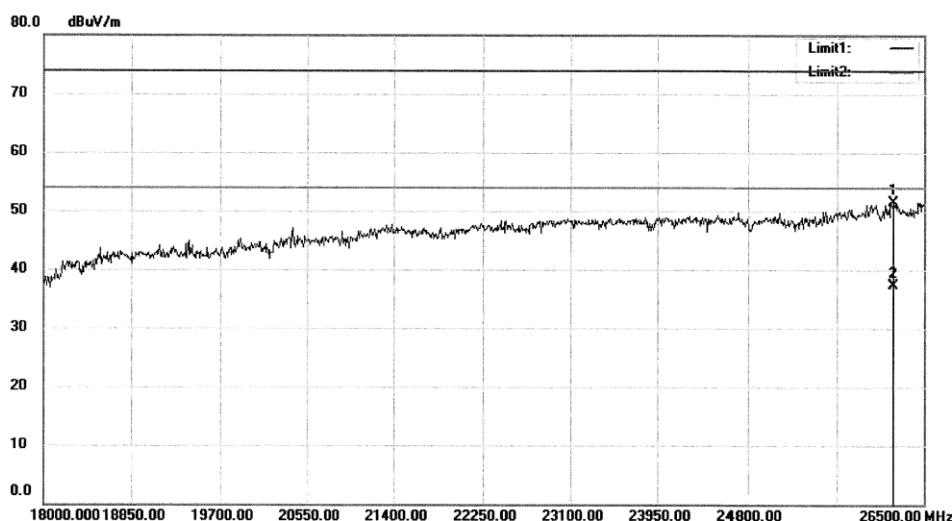
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Radiated Emission Measurement

File :TUV 8

Data :#270

Date: 15/08/15/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		26202.50	87.08	-35.54	51.54	74.00	-22.46	peak		
2	*	26202.50	72.78	-35.54	37.24	54.00	-16.76	AVG		

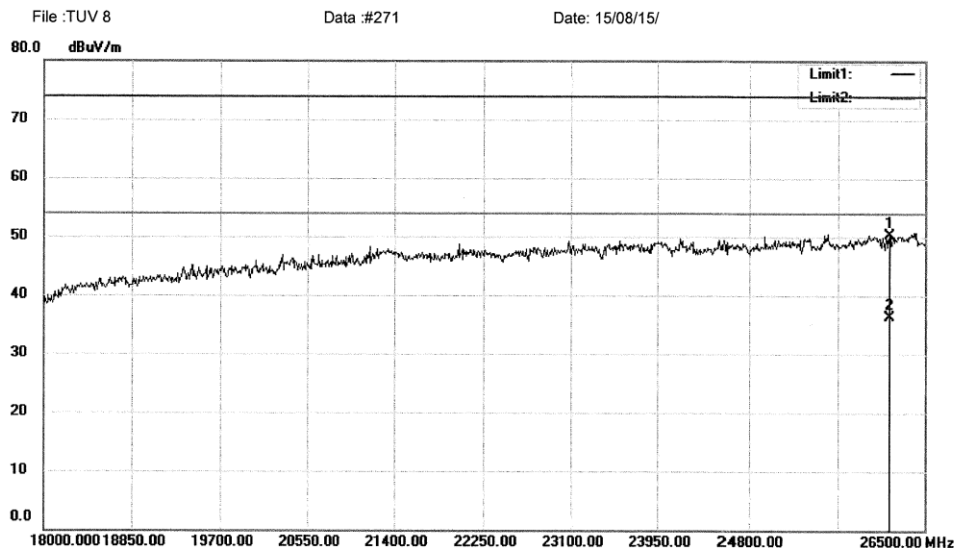
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Operator: KK

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode: BLE 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		26151.50	85.84	-35.61	50.23	74.00	-23.77	peak		
2	*	26151.50	71.89	-35.61	36.28	54.00	-17.72	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

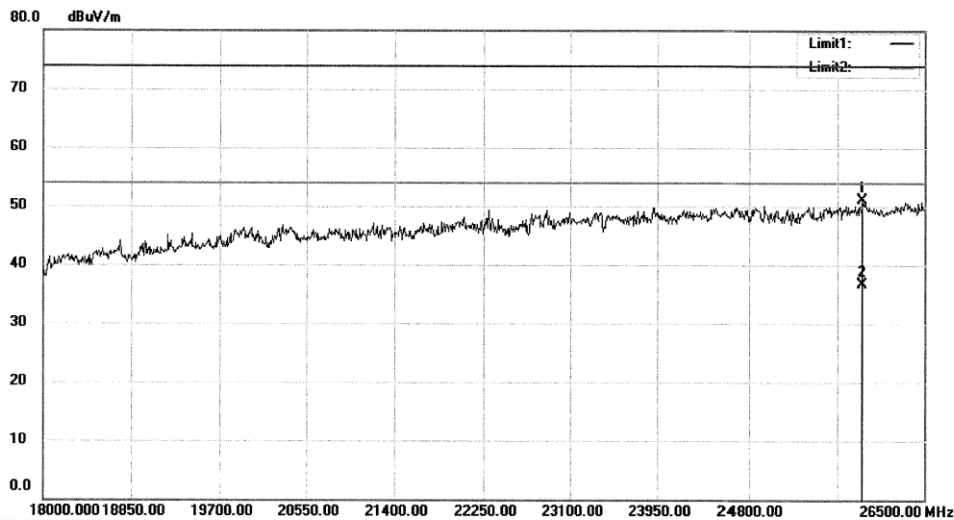
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Page: 1

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Radiated Emission Measurement

File : TUV 8 Data : #272 Date: 15/08/15/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		25896.50	86.94	-35.92	51.02	74.00	-22.98	peak		
2	*	25896.50	72.64	-35.92	36.72	54.00	-17.28	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 8\Data : #272

Page: 1

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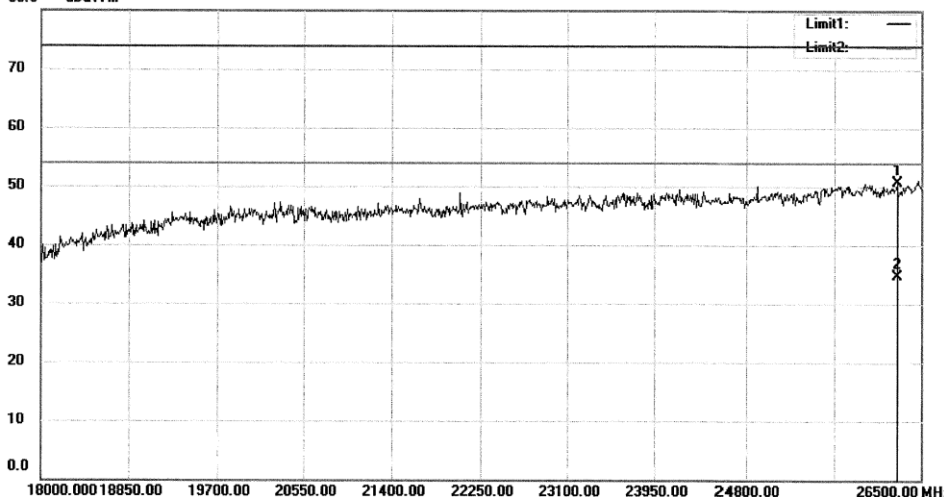

Radiated Emission Measurement

File :TUV 8

Data :#273

Date: 15/08/15/

80.0 dBuV/m



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		26262.00	86.20	-35.47	50.73	74.00	-23.27	peak		
2	*	26262.00	70.21	-35.47	34.74	54.00	-19.26	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#273

Page: 1

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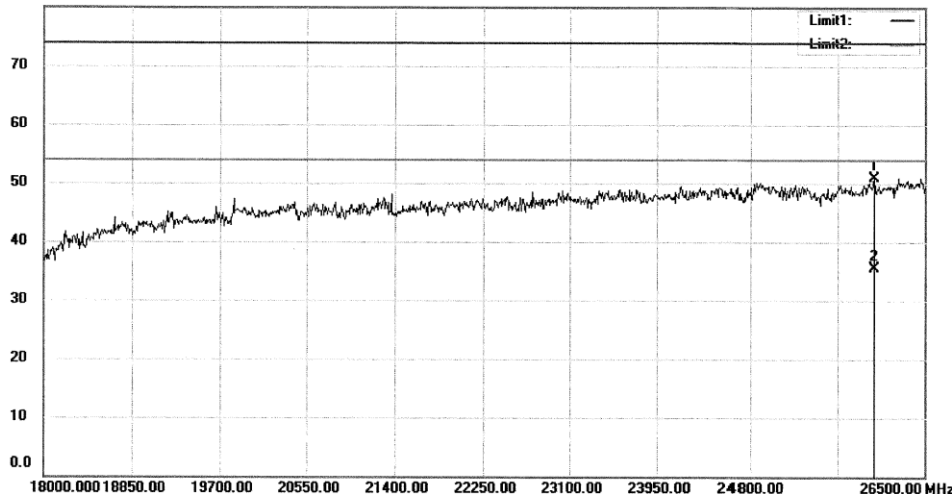

Radiated Emission Measurement

File :TUV 8

Data :#274

Date: 15/08/15/

80.0 dBuV/m



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		26007.00	86.62	-35.78	50.84	74.00	-23.16	peak		
2	*	26007.00	71.27	-35.78	35.49	54.00	-18.51	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#274

Page: 1

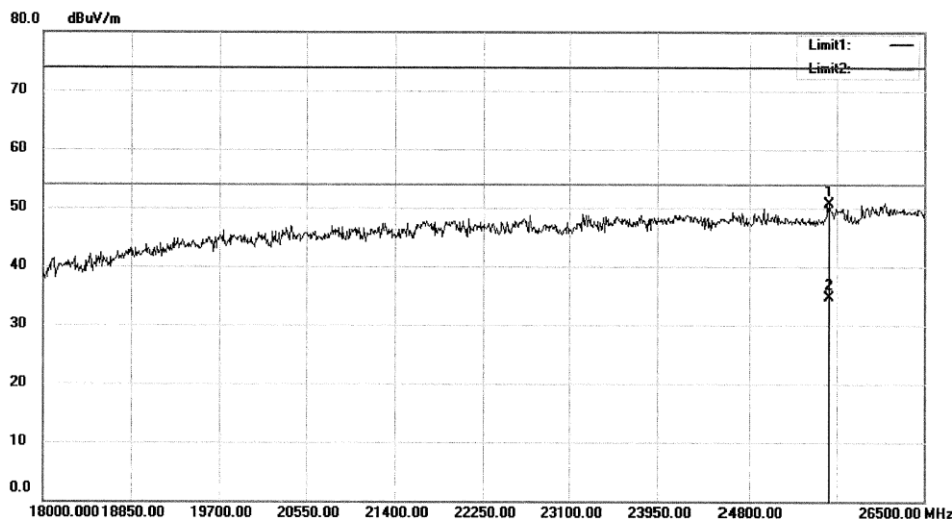
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Radiated Emission Measurement

File :TUV 8

Data :#275

Date: 15/08/15/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		25573.50	87.04	-36.31	50.73	74.00	-23.27	peak		
2	*	25573.50	71.05	-36.31	34.74	54.00	-19.26	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 8\Data :#275

Page: 1

Test Plot of Band Edge of Bluetooth Low Energy mode

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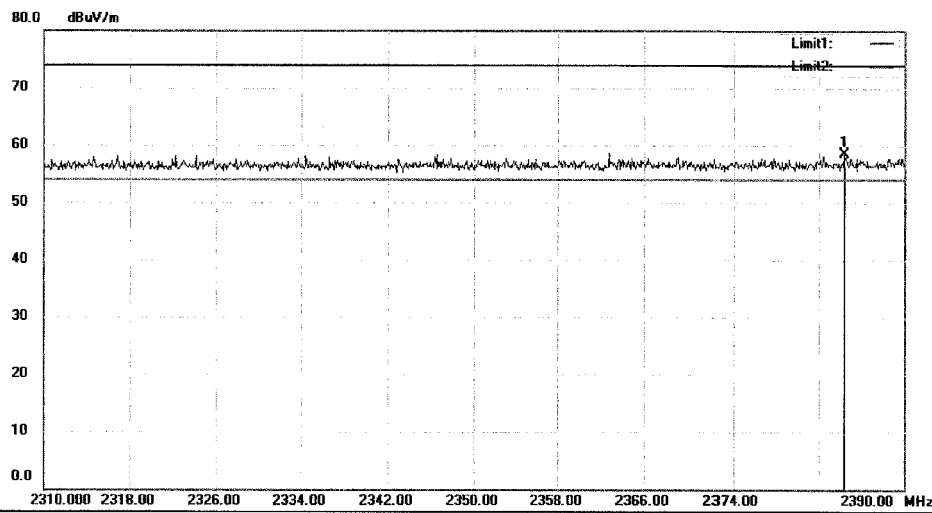


Radiated Emission Measurement

File: TUV 8

Data: #119

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2384.400	27.95	30.48	58.43	74.00	-15.57	peak		Comment

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#119

Page: 1

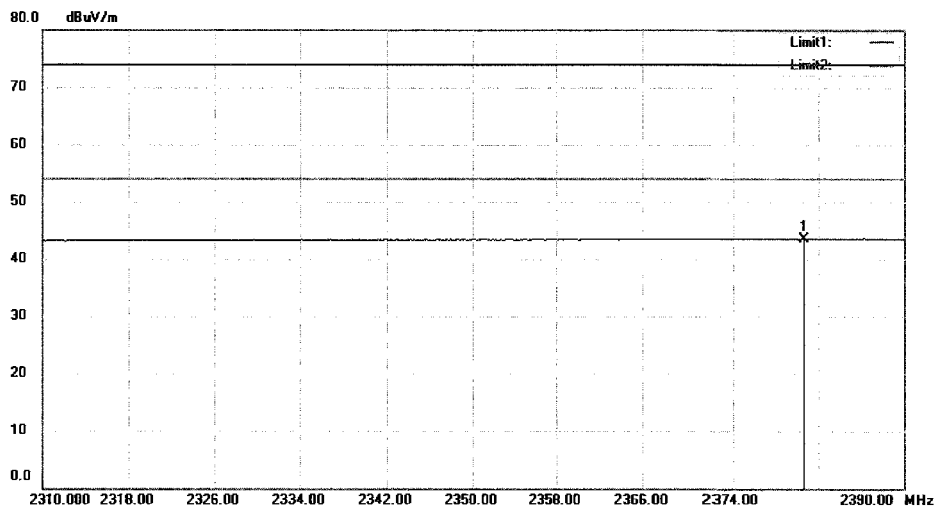
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Radiated Emission Measurement

File :TUV 8

Data :#120

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2380.640	13.14	30.45	43.59	54.00	-10.41	AVG		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#120

Page: 1

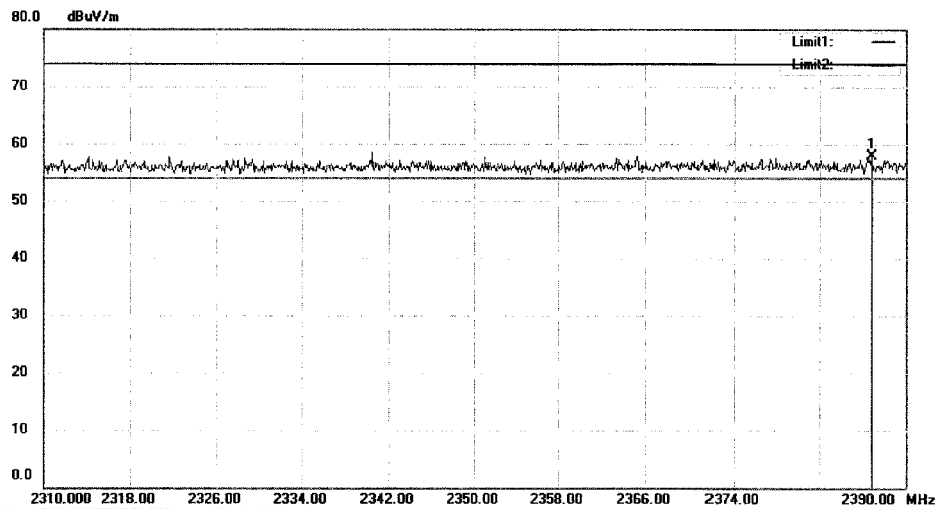
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Radiated Emission Measurement

File :TUV 8

Data :#117

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode: BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	2386.800	27.45	30.49	57.94	74.00	-16.06	peak		

*:Maximum data x:Over limit l:over margin

Operator: XLX

File :TUV 8\Data :#117

Page: 1

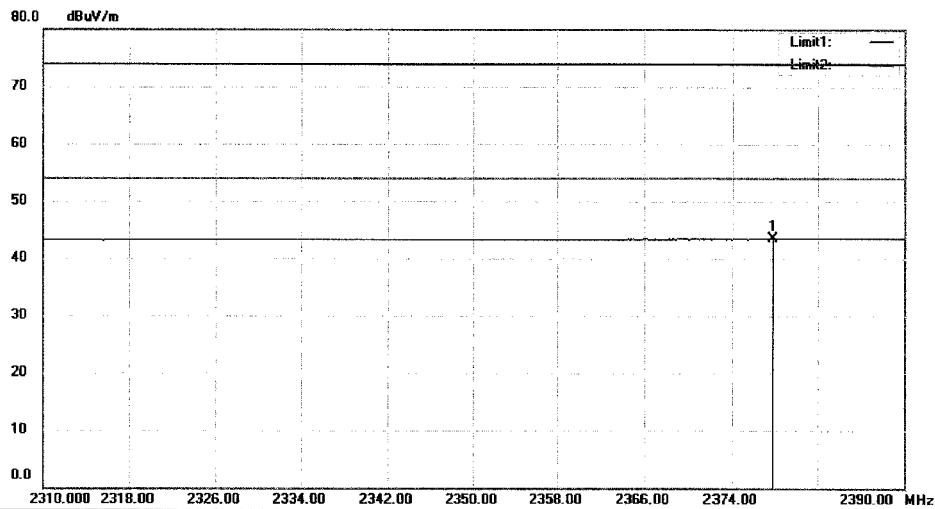
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Radiated Emission Measurement

File :TUV 8

Data :#118

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2377.760	13.06	30.44	43.50	54.00	-10.50	AVG		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#118

Page: 1

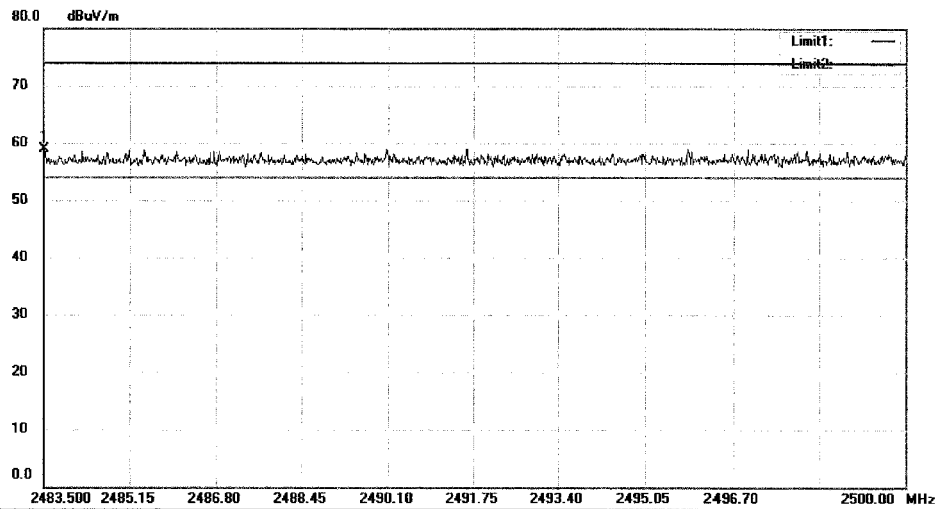
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Radiated Emission Measurement

File :TUV 8

Data :#121

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2483.517	27.87	30.95	58.82	74.00	-15.18	peak		

*:Maximum data x:Over limit l:over margin

Operator: XLX

File :TUV 8\Data :#121

Page: 1

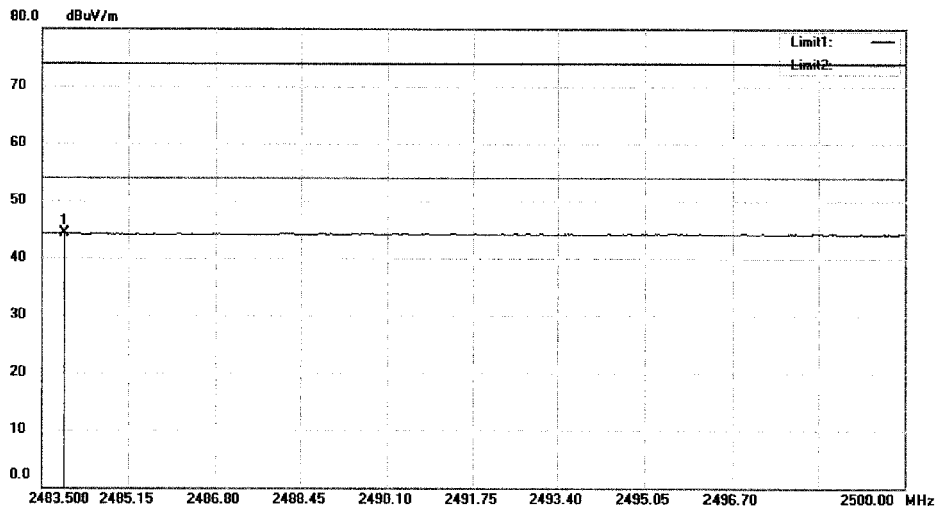
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Radiated Emission Measurement

File :TUV 8

Data :#122

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2483.929	13.30	30.96	44.26	54.00	-9.74	AVG		

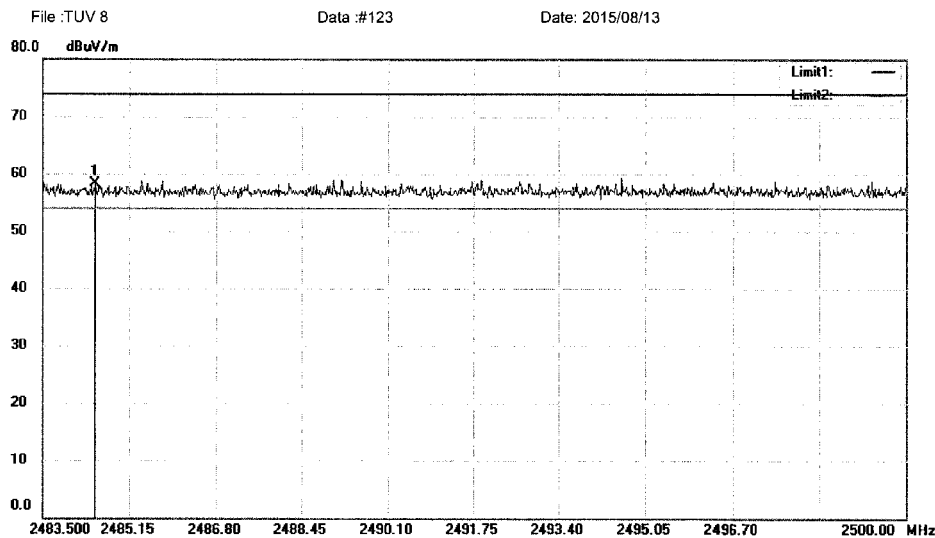
*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#122

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15.247 Power: AC 120V/60Hz Humidity: 53 %
 EUT: MID
 M/N: DL1018A, MID1016-MA
 Mode:BLE 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2484.506	27.29	30.96	58.25	74.00	-15.75	peak		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#123

Page: 1

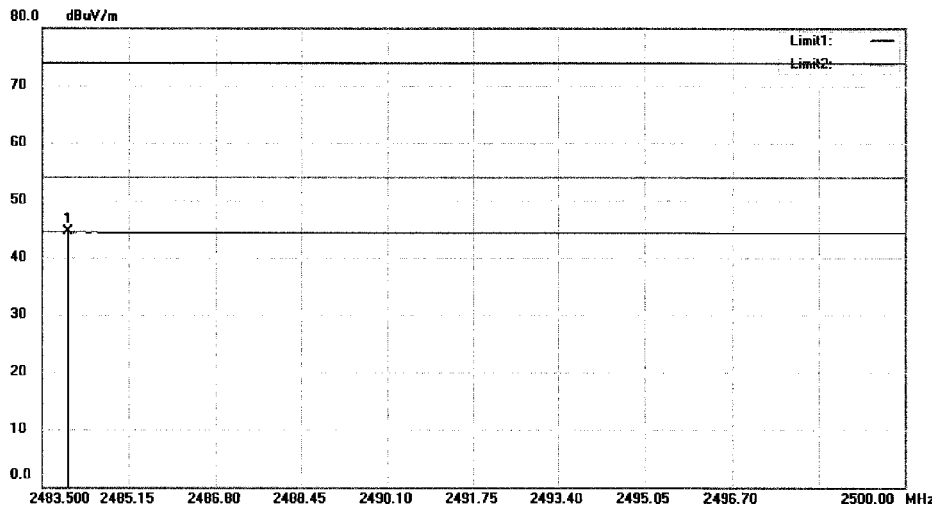
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Radiated Emission Measurement

File :TUV 8

Data :#124

Date: 2015/08/13



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15.247

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: DL1018A, MID1016-MA

Mode:BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2483.995	13.51	30.96	44.47	54.00	-9.53	AVG		

*:Maximum data x:Over limit !:over margin

Operator: XLX

File :TUV 8\Data :#124

Page: 1

5.1.8 Frequency Separation

RESULT:
Pass

Date of testing : 2015-08-12
 Test standard : FCC part 15.247(a)(1)
 Basic standard : ANSI C63.10: 2013
 Limit : $\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth,
 whichever is greater
 Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a
 Ambient temperature : 25°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Table 14: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.000	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.000	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2479	1.000	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2480			

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Test Report No.

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5.1.9 Number of hopping frequency**RESULT:****Pass**

Date of testing : 2015-08-12
Test standard : FCC part 15.247(a)(1)(iii)
Basic standard : ANSI C63.10: 2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 50%
Atmospheric pressure : 101kPa

Table 15: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480MHz	79	≥ 15	Pass

5.1.10 Time of Occupancy

RESULT:
Pass

Date of testing : 2015-08-12
 Test standard : FCC part 15.247(a)(1)(iii)
 Basic standard : ANSI C63.10: 2013
 Limits : 0.4s
 Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a
 Ambient temperature : 25°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Table 16: Test result of Time of Occupancy

Mode	Packet Type	Channel Frequency (MHz)	Packet Duration [ms]	Number of Hops per Channel	Dwell Time (ms)	Limit [ms]
BDR	DH1	2402	0.408	320	130.560	400
		2441	0.408	320	130.560	400
		2480	0.408	320	130.560	400
	DH3	2402	1.659	165	273.735	400
		2441	1.659	165	273.735	400
		2480	1.659	165	273.735	400
	DH5	2402	2.910	112	325.920	400
		2441	2.910	112	325.920	400
		2480	2.910	112	325.920	400
EDR	DH1	2402	0.408	320	130.560	400
		2441	0.408	320	130.560	400
		2480	0.408	320	130.560	400
	DH3	2402	1.659	165	273.735	400
		2441	1.659	165	273.735	400
		2480	1.659	165	273.735	400
	DH5	2402	2.840	112	318.080	400
		2441	2.840	112	318.080	400
		2480	2.820	112	315.840	400

Prüfbericht - Nr.: 17051839 001

Test Report No.

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5.1.11 Conducted emissions**RESULT:****Pass**

Date of testing	:	2015-08-24
Test standard	:	FCC Part 15.207
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207 Table 3 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	26°C
Relative humidity	:	55%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

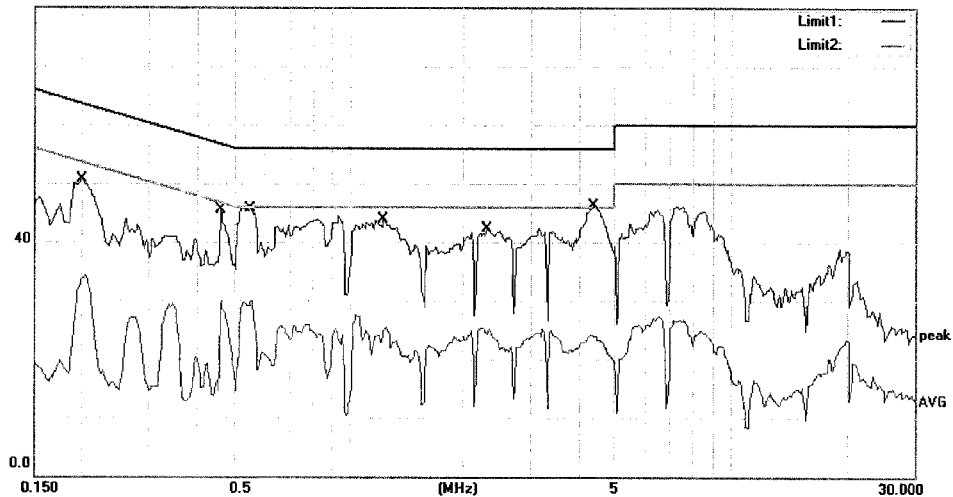
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Conducted Emission Measurement

 File: TUV
 80.0 dBuV

Data: #771

Date: 2015/08/24



Site Conduction #2

Phase: L1

Temperature: 26

Limit: (CE)FCC PART 15 class C_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: MID

M/N: MID 1016-MA

Mode: BT ON

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2000	50.63	0.00	50.63	63.61	-12.98	QP	
2		0.2000	34.22	0.00	34.22	53.61	-19.39	AVG	
3		0.4600	45.44	0.00	45.44	56.69	-11.25	QP	
4		0.4600	29.91	0.00	29.91	46.69	-16.78	AVG	
5		0.5463	45.80	0.00	45.80	56.00	-10.20	QP	
6		0.5463	29.97	0.00	29.97	46.00	-16.03	AVG	
7		1.2350	43.86	0.00	43.86	56.00	-12.14	QP	
8		1.2350	25.48	0.00	25.48	46.00	-20.52	AVG	
9		2.3050	42.33	0.00	42.33	56.00	-13.67	QP	
10		2.3050	25.32	0.00	25.32	46.00	-20.68	AVG	
11	*	4.4050	46.36	0.00	46.36	56.00	-9.64	QP	
12		4.4050	24.03	0.00	24.03	46.00	-21.97	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator:

File: TUVData: #771

Page: 1

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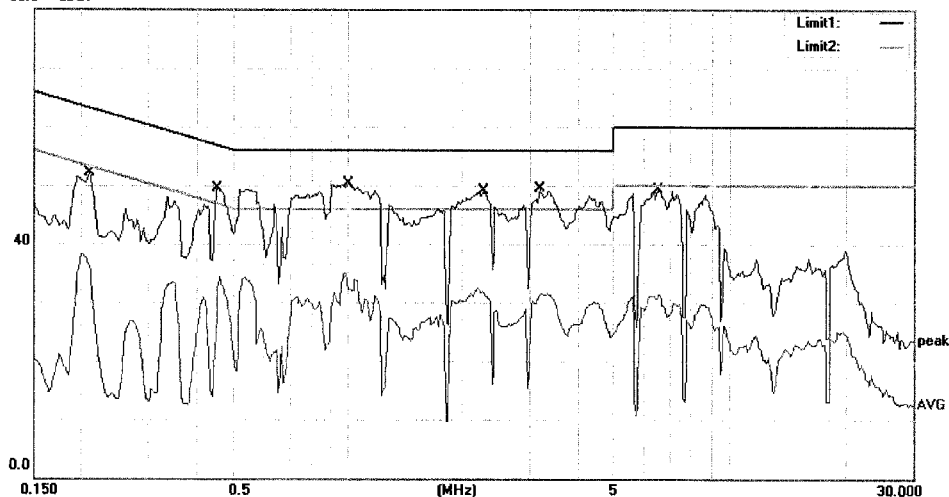
Conducted Emission Measurement

File :TUV

Data :#772

Date: 2015/08/24

80.0 dBuV



Site Conduction #2

Phase: N

Temperature: 26

Limit: (CE)FCC PART 15 class C_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: MID

M/N: MID 1016-MA

Mode: BT ON

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2100	52.14	0.00	52.14	63.21	-11.07	QP	
2		0.2100	38.31	0.00	38.31	53.21	-14.90	AVG	
3		0.4550	49.51	0.00	49.51	56.78	-7.27	QP	
4		0.4550	34.22	0.00	34.22	46.78	-12.56	AVG	
5	*	1.0000	50.25	0.00	50.25	56.00	-5.75	QP	
6		1.0000	35.18	0.00	35.18	46.00	-10.82	AVG	
7		2.2724	49.11	0.00	49.11	56.00	-6.89	QP	
8		2.2724	32.42	0.00	32.42	46.00	-13.58	AVG	
9		3.1750	49.45	0.00	49.45	56.00	-6.55	QP	
10		3.1750	31.52	0.00	31.52	46.00	-14.48	AVG	
11		6.5900	49.27	0.00	49.27	60.00	-10.73	QP	
12		6.5900	31.00	0.00	31.00	50.00	-19.00	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator:

File :TUVData :#772

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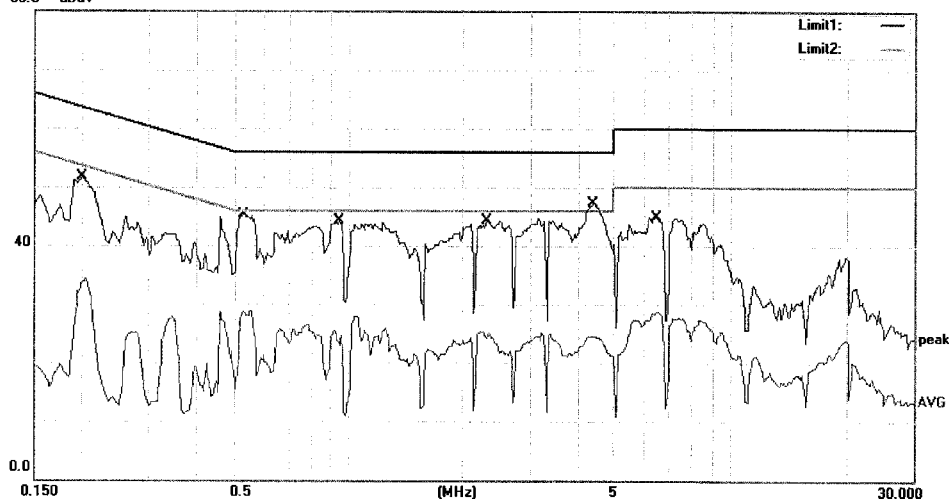
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Conducted Emission Measurement

 File : TUV
 00.0 dBuV

Data : #773

Date: 2015/08/24



Site Conduction #2

Phase: L1

Temperature: 26

Limit: (CE)FCC PART 15 class C_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: MID

M/N: MID 1016-MA

Mode: BLE

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2000	51.63	0.00	51.63	63.61	-11.98	QP	
2		0.2000	34.22	0.00	34.22	53.61	-19.39	AVG	
3		0.5300	45.26	0.00	45.26	56.00	-10.74	QP	
4		0.5300	28.97	0.00	28.97	46.00	-17.03	AVG	
5		0.9430	44.30	0.00	44.30	56.00	-11.70	QP	
6		0.9430	27.93	0.00	27.93	46.00	-18.07	AVG	
7		2.3050	44.33	0.00	44.33	56.00	-11.67	QP	
8		2.3050	25.32	0.00	25.32	46.00	-20.68	AVG	
9	*	4.4050	47.36	0.00	47.36	56.00	-8.64	QP	
10		4.4050	25.03	0.00	25.03	46.00	-20.97	AVG	
11		6.4600	44.94	0.00	44.94	60.00	-15.06	QP	
12		6.4600	28.75	0.00	28.75	50.00	-21.25	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator:

File : TUVData : #773

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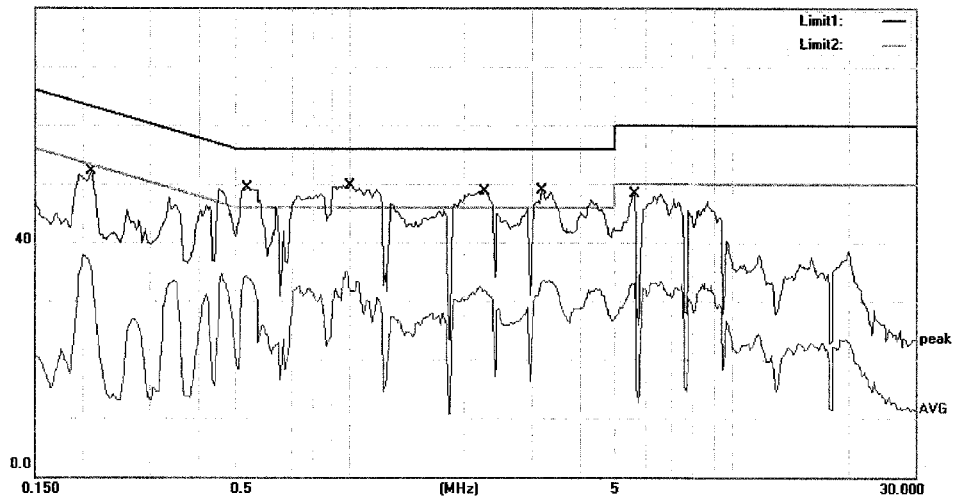
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Conducted Emission Measurement

 File : TUV
 80.0 dBuV

Data : #774

Date: 2015/08/24



Site Conduction #2

Phase: N

Temperature: 26

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: MID

M/N: MID 1016-MA

Mode: BLE

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2100	52.14	0.00	52.14	63.21	-11.07	QP	
2		0.2100	37.81	0.00	37.81	53.21	-15.40	AVG	
3		0.5350	49.26	0.00	49.26	56.00	-6.74	QP	
4		0.5350	34.28	0.00	34.28	46.00	-11.72	AVG	
5	*	1.0000	49.75	0.00	49.75	56.00	-6.25	QP	
6		1.0000	35.18	0.00	35.18	46.00	-10.82	AVG	
7		2.2500	48.76	0.00	48.76	56.00	-7.24	QP	
8		2.2500	32.42	0.00	32.42	46.00	-13.58	AVG	
9		3.1750	48.95	0.00	48.95	56.00	-7.05	QP	
10		3.1750	33.52	0.00	33.52	46.00	-12.48	AVG	
11		5.6000	48.28	0.00	48.28	60.00	-11.72	QP	
12		5.6000	33.18	0.00	33.18	50.00	-16.82	AVG	

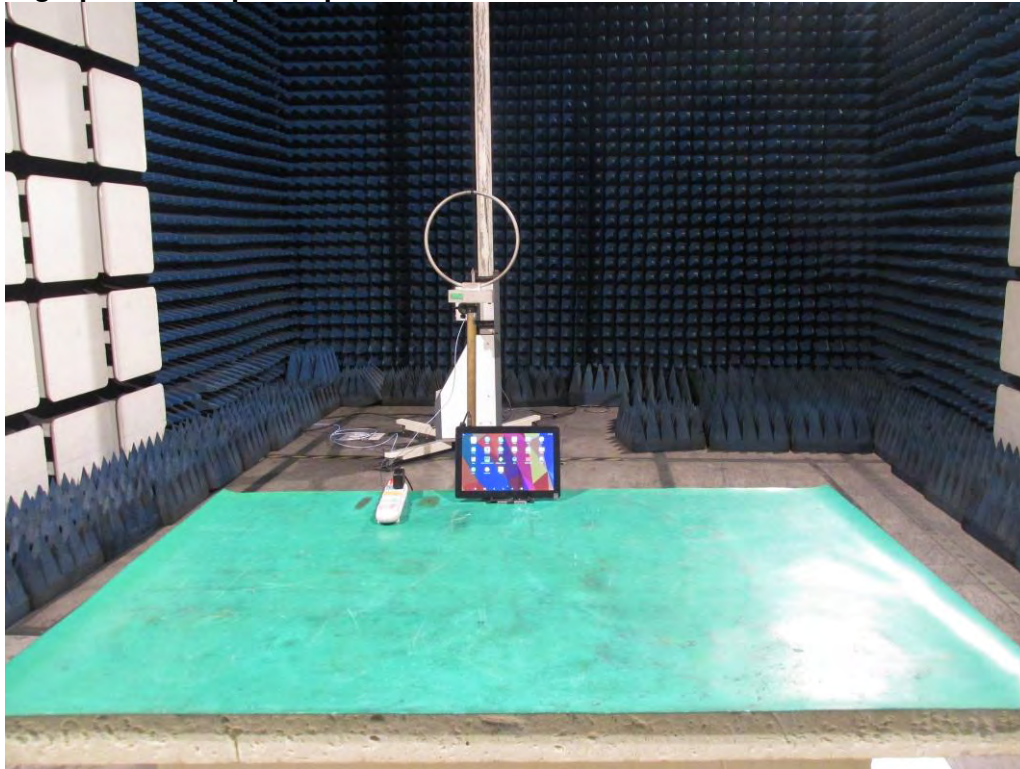
*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator:

File : TUVData : #774

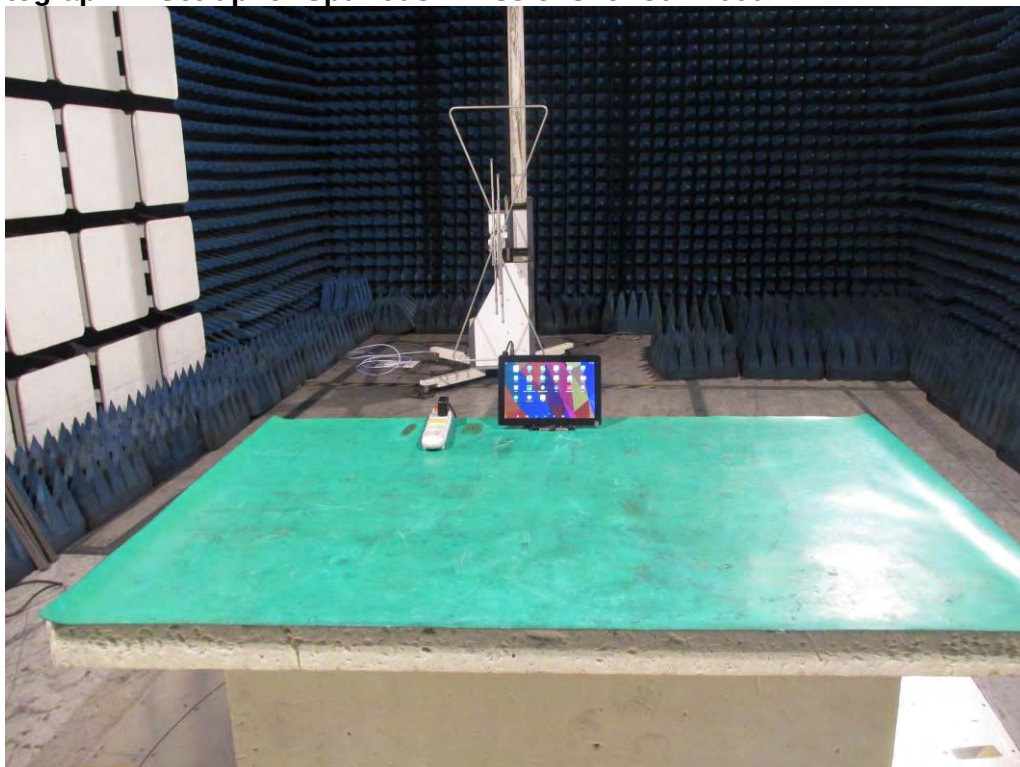
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6. Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions for below 30MHz



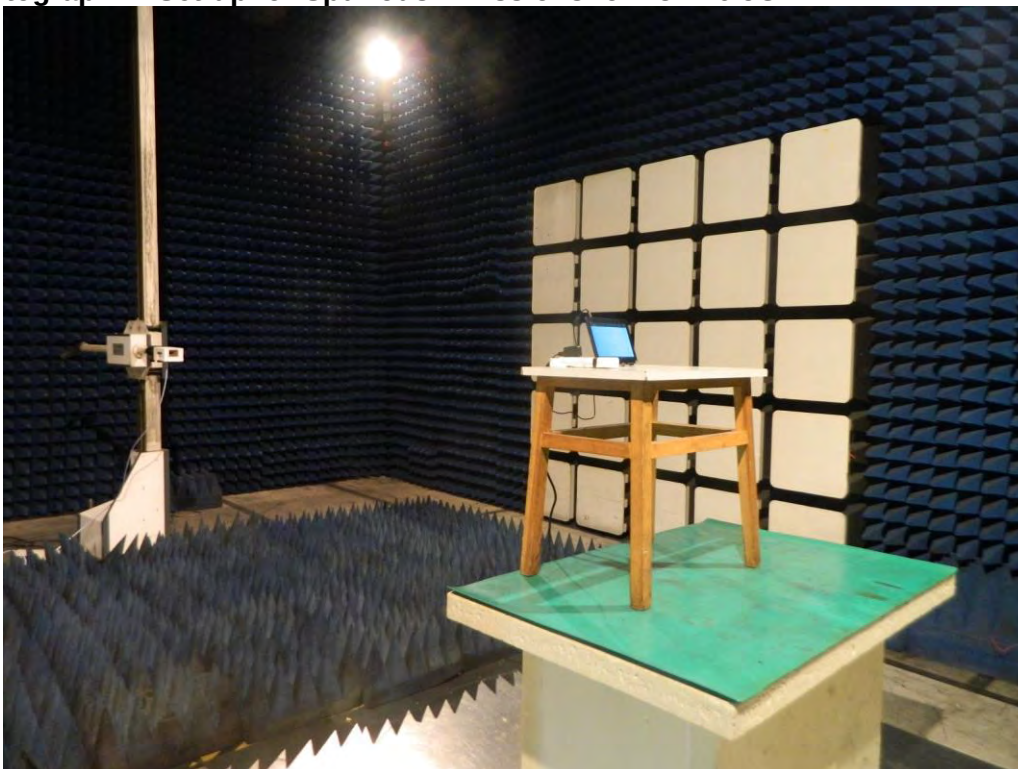
Photograph 2: Set-up for Spurious Emissions for 30 - 1000MHz



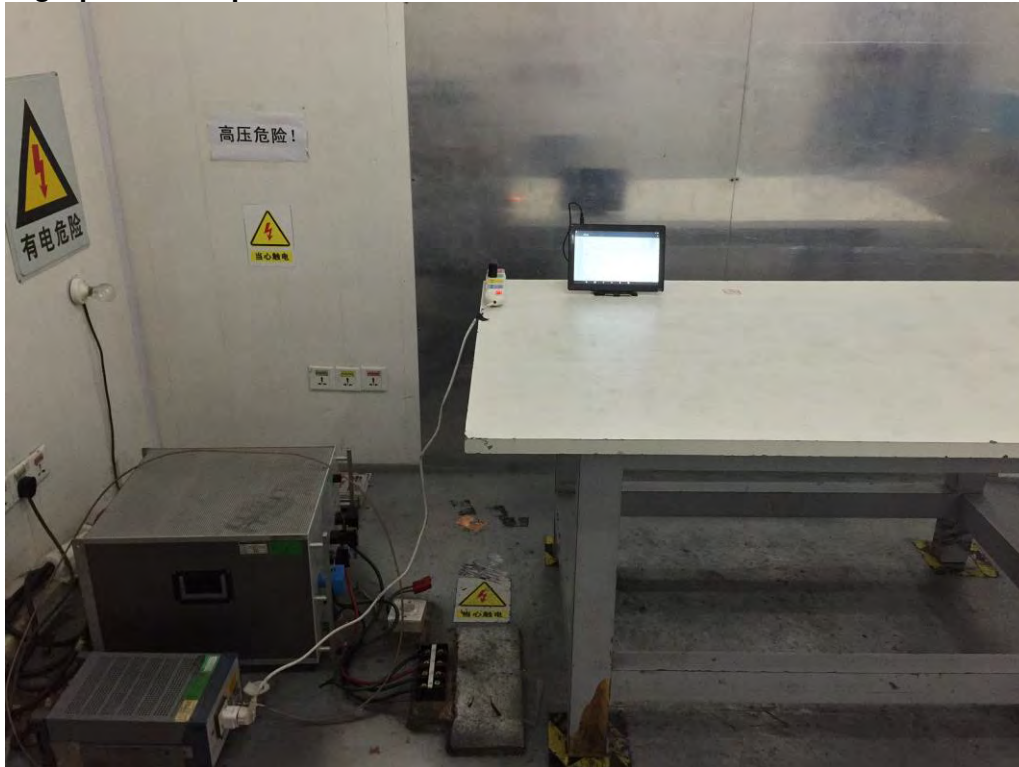
Photograph 3: Set-up for Spurious Emissions for 1 - 18GHz



Photograph 4: Set-up for Spurious Emissions for 18 - 26.5GHz



Photograph 5: Set-up for Conducted Emission



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