

Appendix B

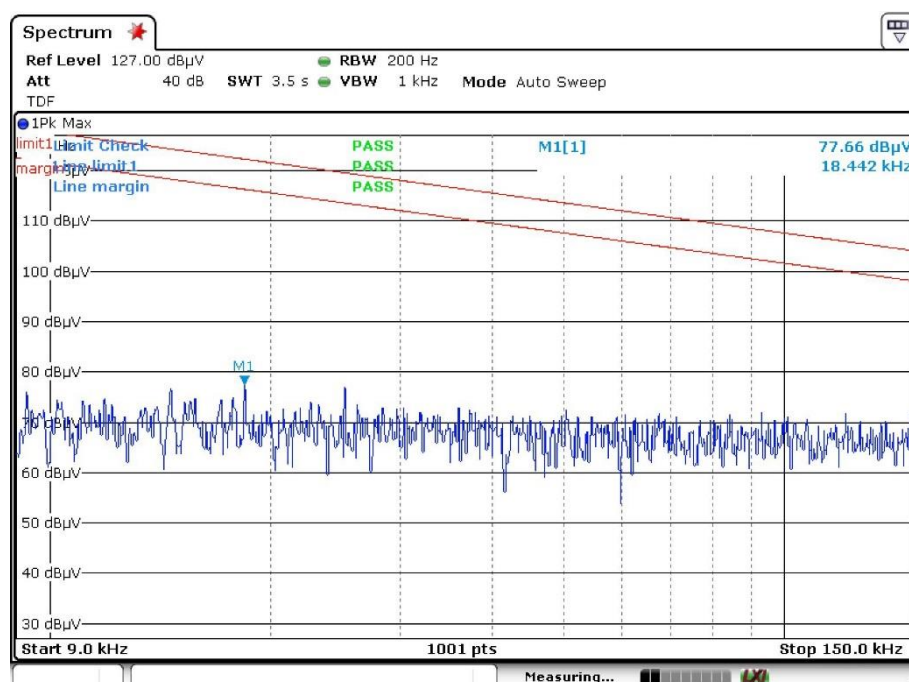
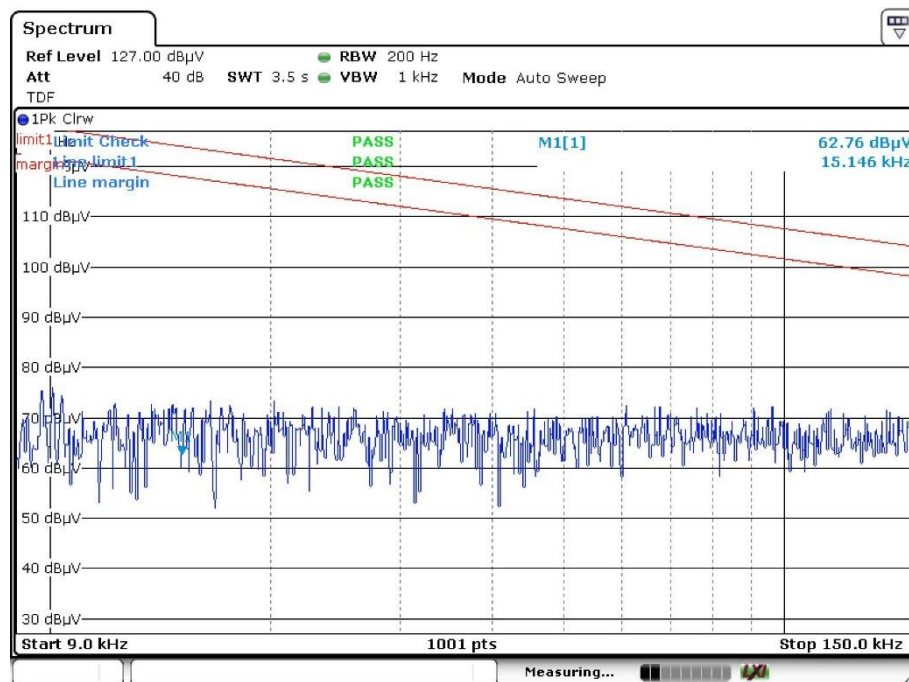
Test Results of Bluetooth 4.0 (Dual mode) of Radiated Testing

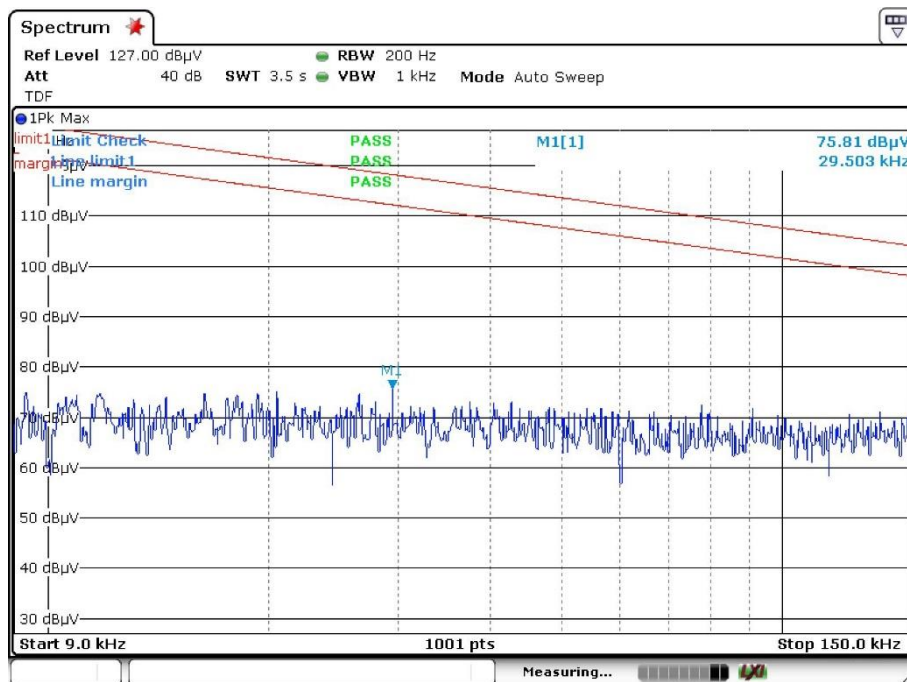
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Note: The measurements with active loop antenna were greater than 20dB below the limit, so Radiated Spurious Emissions (9kHz – 30MHz) tests were applied on BDR mode only.

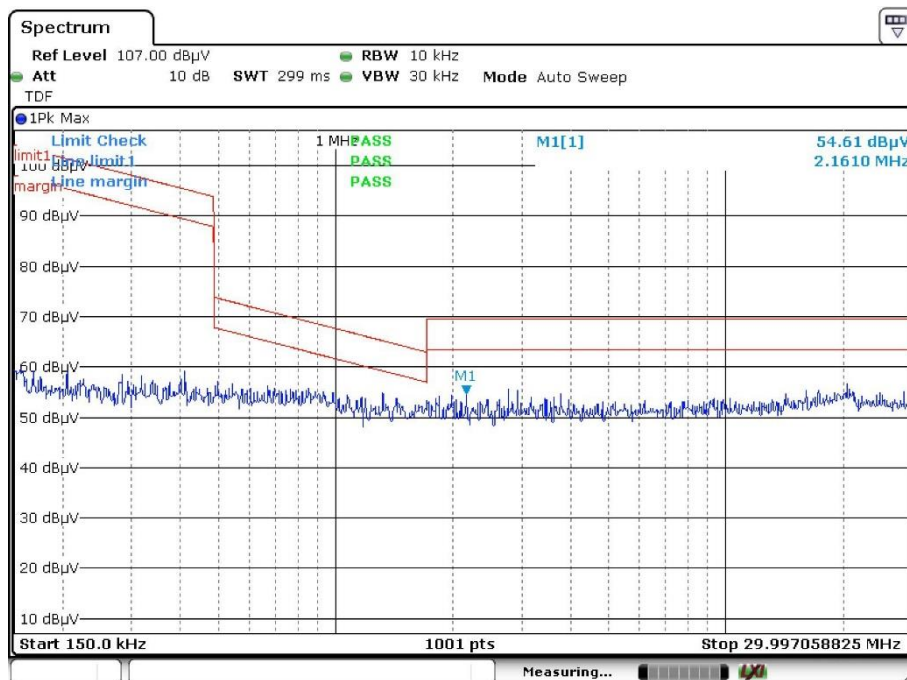
Appendix B.1: Test Plots of Radiated Spurious Emission

9KHz - 30MHz, BDR mode

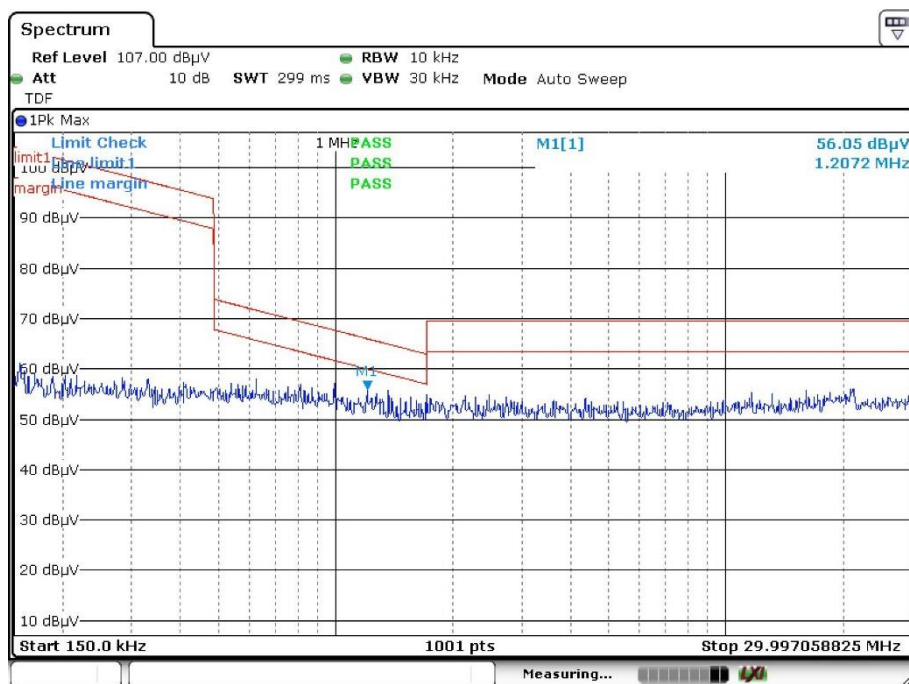




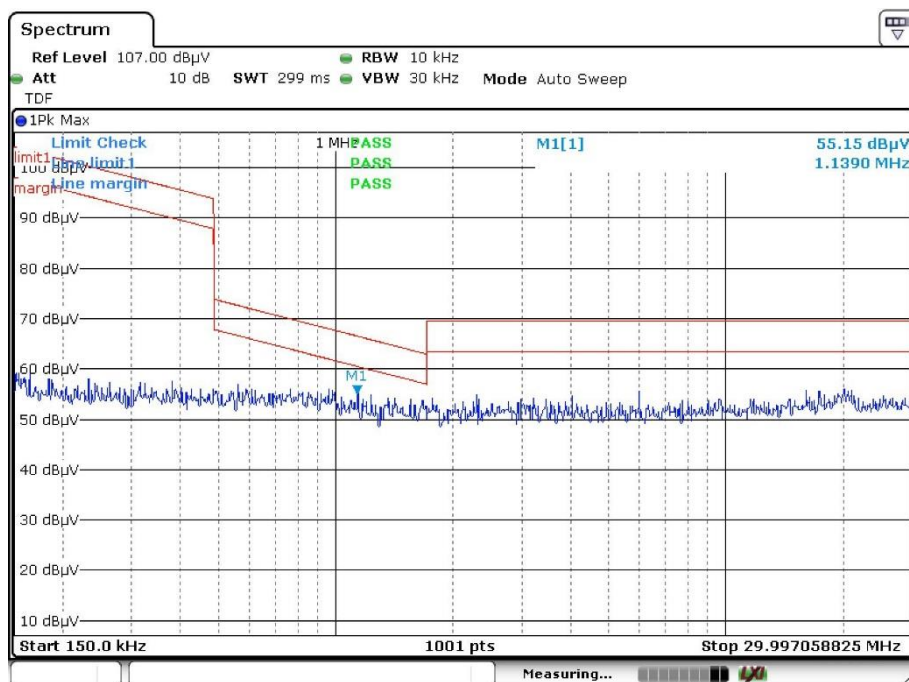
P



P

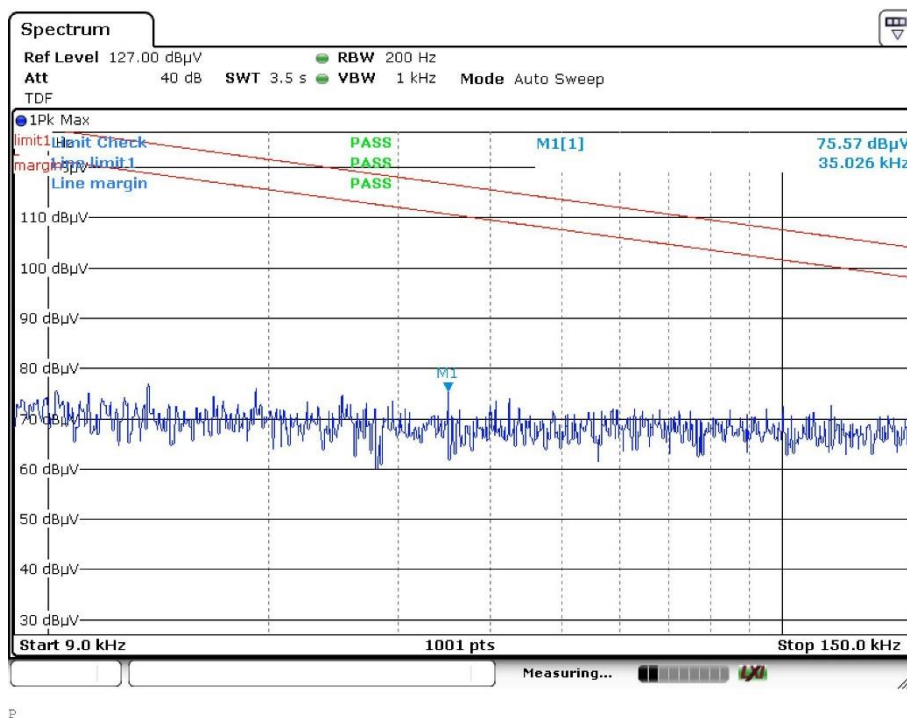
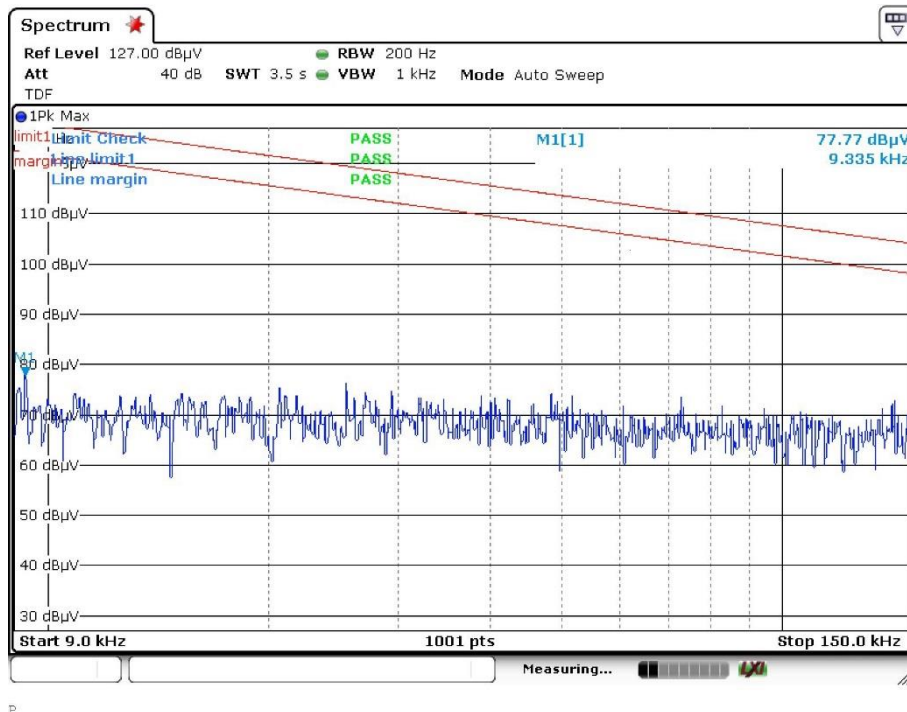


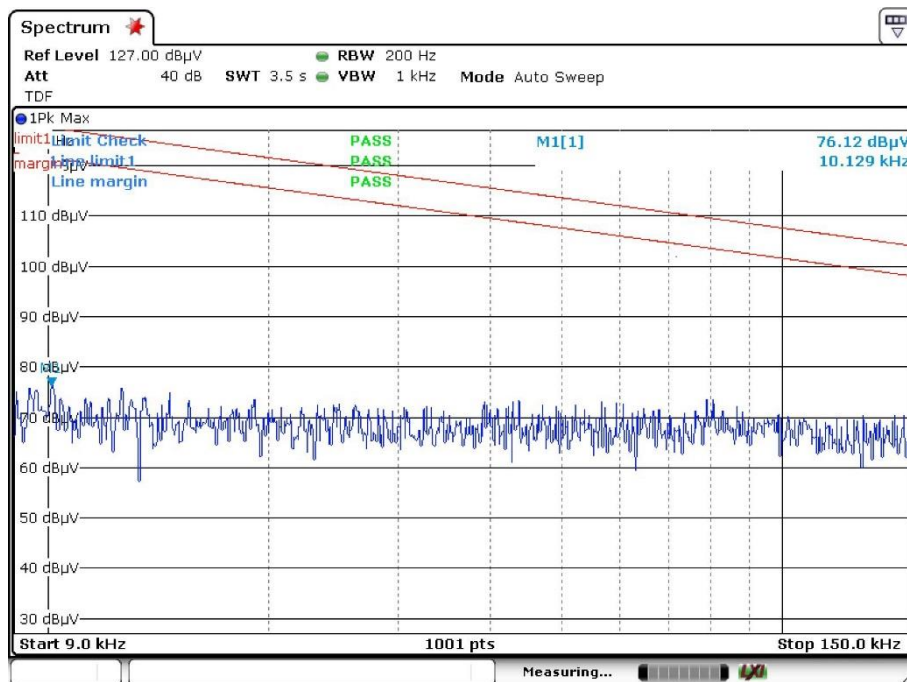
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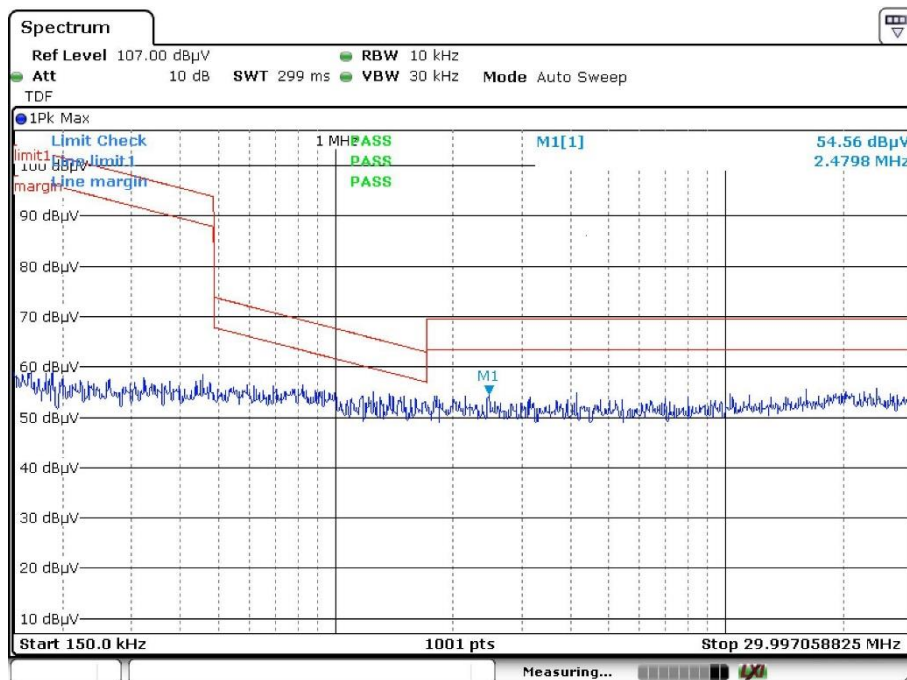
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9KHz - 30MHz, Low Energy mode

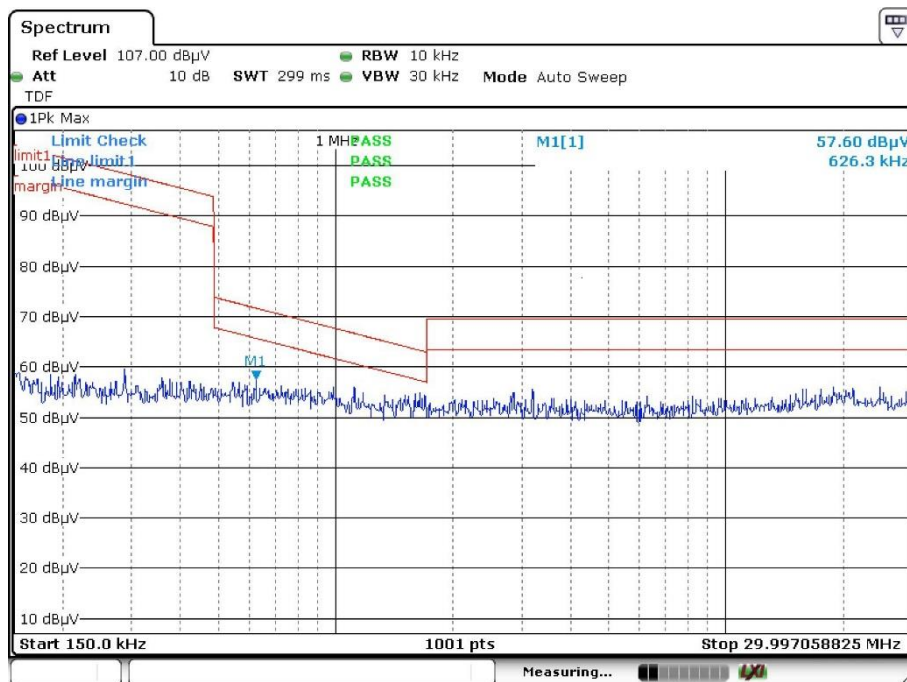




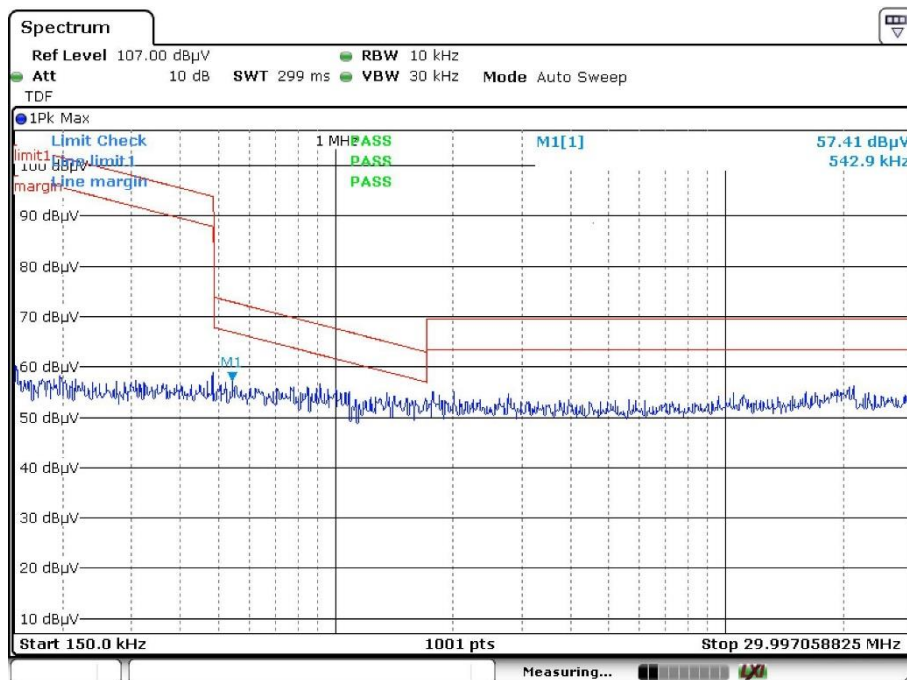
P



P



P



P

30MHz - 1GHz, BDR mode

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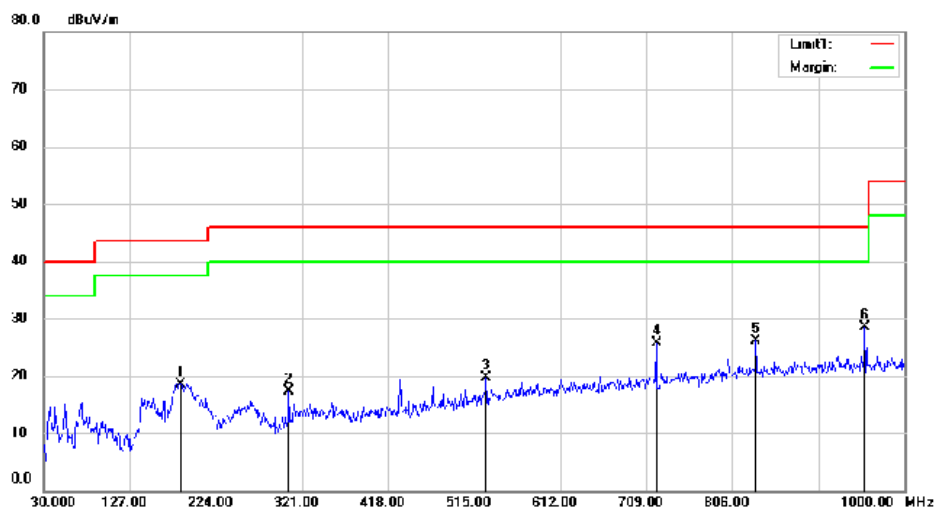


Radiated Emission Measurement

File :TUV

Data :#862

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 21 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:8DPSK 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		184.2300	51.45	-32.96	18.49	43.50	-25.01	QP		0
2		306.4500	46.52	-29.31	17.21	46.00	-28.79	QP		0
3		528.5800	43.19	-23.40	19.79	46.00	-26.21	QP		0
4		720.6400	45.70	-19.98	25.72	46.00	-20.28	QP		0
5		832.1900	43.70	-17.69	26.01	46.00	-19.99	QP		0
6	*	955.3800	44.10	-15.69	28.41	46.00	-17.59	QP		0

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

Operator: CSL

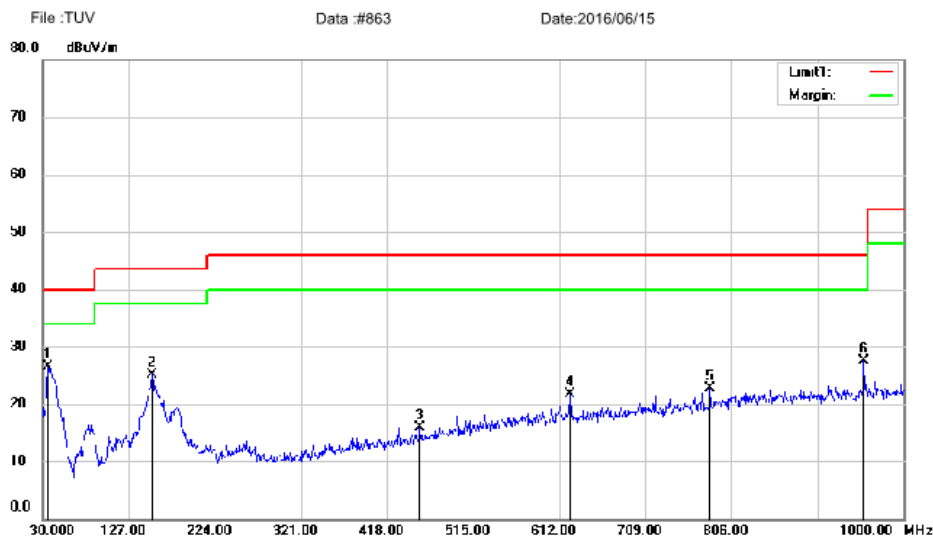
File :TUVData :#862

Page: 1

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Radiated Emission Measurement



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	*	35.8200	58.34	-31.77	26.57	40.00	-13.43	QP	0	
2		153.1900	60.08	-34.94	25.14	43.50	-18.36	QP	0	
3		454.8600	41.48	-25.55	15.93	46.00	-30.07	QP	0	
4		624.6100	42.96	-21.29	21.67	46.00	-24.33	QP	0	
5		781.7500	41.36	-18.65	22.71	46.00	-23.29	QP	0	
6		955.3800	43.25	-15.69	27.56	46.00	-18.44	QP	0	

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

Operator: CSL

File :TUVData :#863

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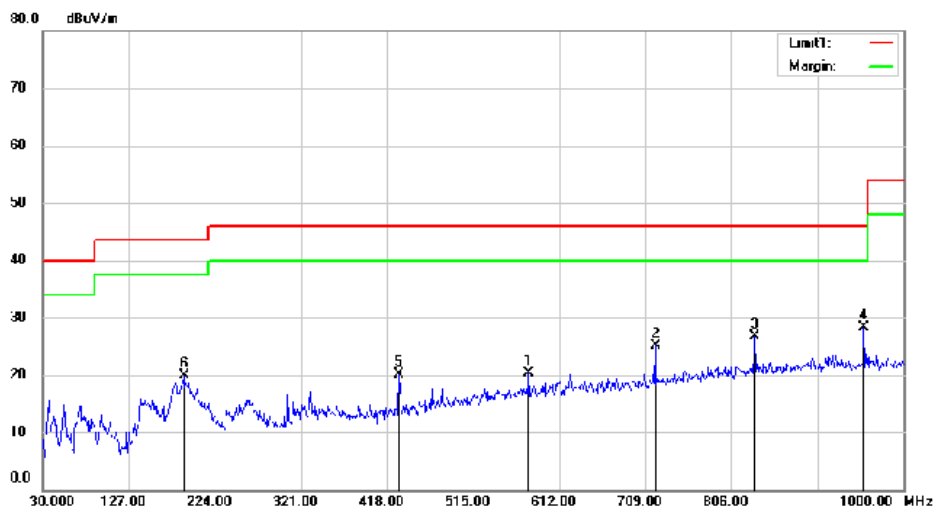
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Radiated Emission Measurement

File :TUV

Data :#864

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 21 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:8DPSK 2441

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		578.0500	42.42	-22.13	20.29	46.00	-25.71	QP		0
2		720.6400	45.06	-19.98	25.08	46.00	-20.92	QP		0
3		832.1900	44.40	-17.69	26.71	46.00	-19.29	QP		0
4	*	955.3800	43.97	-15.69	28.28	46.00	-17.72	QP		0
5		431.5800	46.22	-26.15	20.07	46.00	-25.93	QP		0
6		189.0800	52.41	-32.55	19.86	43.50	-23.64	QP		0

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

Operator: CSL

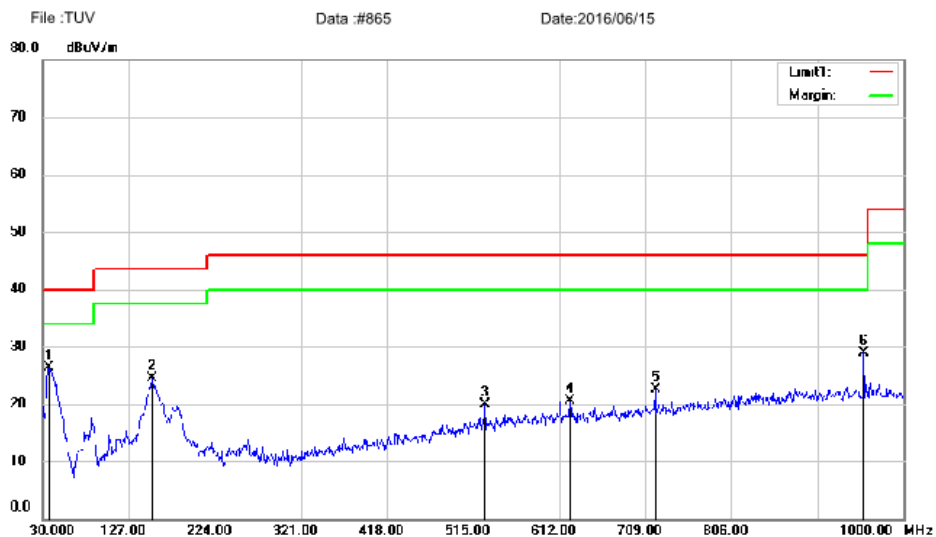
File :TUVData :#864

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Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1	*	36.7900	57.69	-31.44	26.25	40.00	-13.75	QP	0	
2		153.1900	59.51	-34.94	24.57	43.50	-18.93	QP	0	
3		528.5800	43.31	-23.40	19.91	46.00	-26.09	QP	0	
4		623.6400	41.89	-21.32	20.57	46.00	-25.43	QP	0	
5		720.6400	42.50	-19.98	22.52	46.00	-23.48	QP	0	
6		955.3800	44.51	-15.69	28.82	46.00	-17.18	QP	0	

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

Operator: CSL

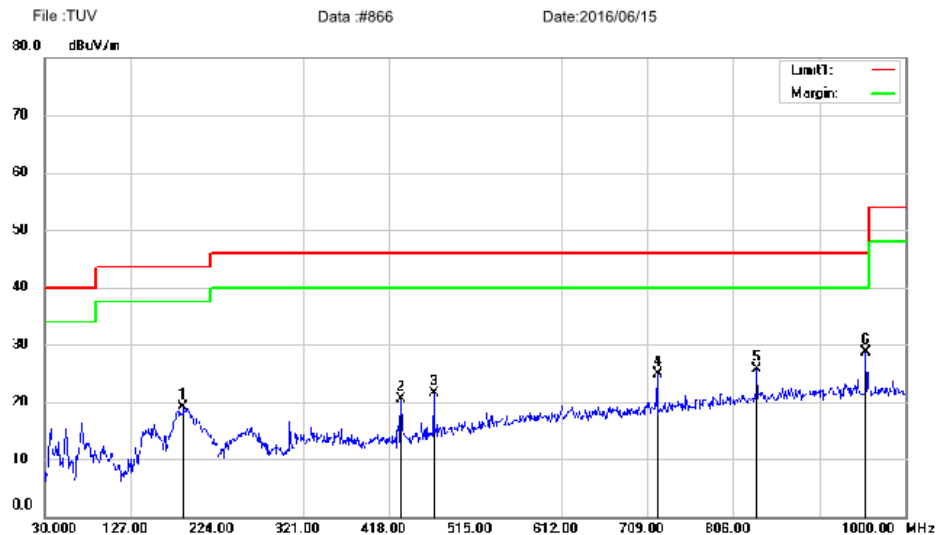
File: TUVData: #865

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Radiated Emission Measurement



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		186.1700	51.93	-32.80	19.13	43.50	-24.37	QP	0	
2		431.5800	46.68	-26.15	20.53	46.00	-25.47	QP	0	
3		468.4400	46.62	-25.12	21.50	46.00	-24.50	QP	0	
4		720.6400	44.91	-19.98	24.93	46.00	-21.07	QP	0	
5		832.1900	43.47	-17.69	25.78	46.00	-20.22	QP	0	
6	*	955.3800	44.37	-15.69	28.68	46.00	-17.32	QP	0	

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

Operator: CSL

File: TUVData: #866

Page: 1

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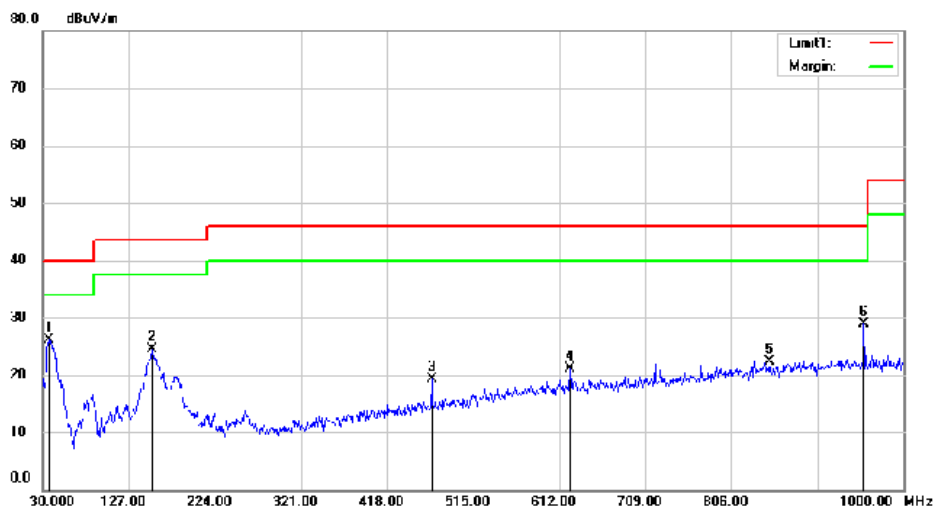


Radiated Emission Measurement

File :TUV

Data :#867

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 21 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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	*	36.7900	57.53	-31.44	26.09	40.00	-13.91	QP		0
2		153.1900	59.42	-34.94	24.48	43.50	-19.02	QP		0
3		468.4400	44.39	-25.12	19.27	46.00	-26.73	QP		0
4		624.6100	42.44	-21.29	21.15	46.00	-24.85	QP		0
5		848.6800	39.77	-17.40	22.37	46.00	-23.63	QP		0
6		955.3800	44.56	-15.69	28.87	46.00	-17.13	QP		0

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

Operator: CSL

File :TUVData :#867

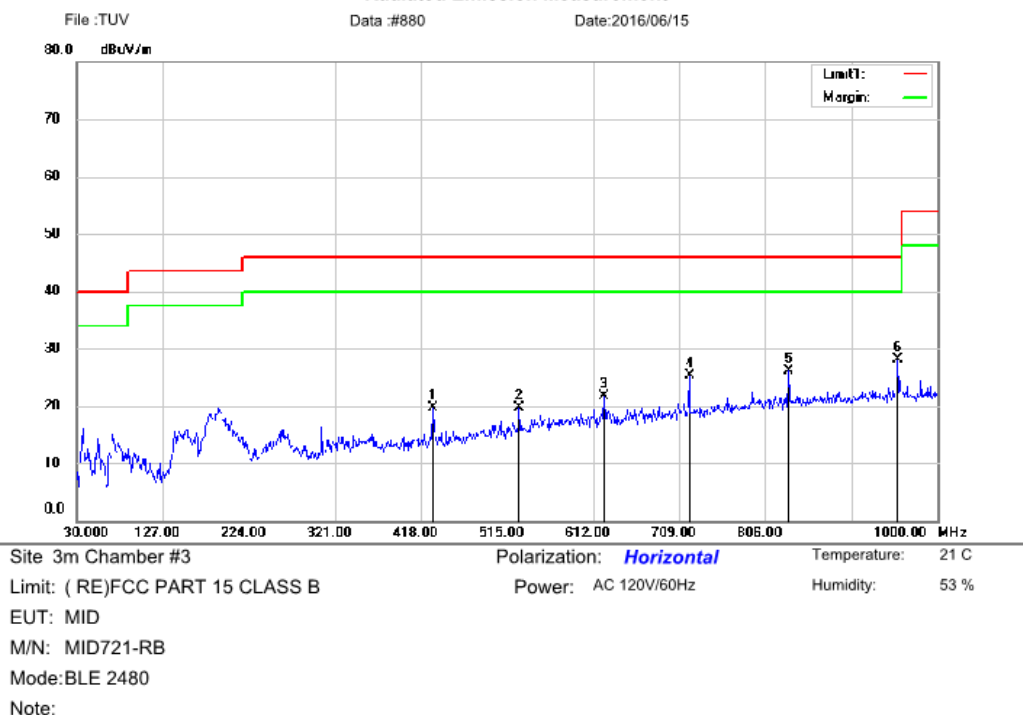
Page: 1

30MHz - 1GHz, Low Energy mode

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Radiated Emission Measurement



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		431.5800	45.89	-26.15	19.74	46.00	-26.26	QP		0
2		528.5800	43.10	-23.40	19.70	46.00	-26.30	QP		0
3		623.6400	42.93	-21.32	21.61	46.00	-24.39	QP		0
4		720.6400	45.20	-19.98	25.22	46.00	-20.78	QP		0
5		832.1900	43.71	-17.69	26.02	46.00	-19.98	QP		0
6	*	955.3800	43.73	-15.69	28.04	46.00	-17.96	QP		0

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

Operator: CSL

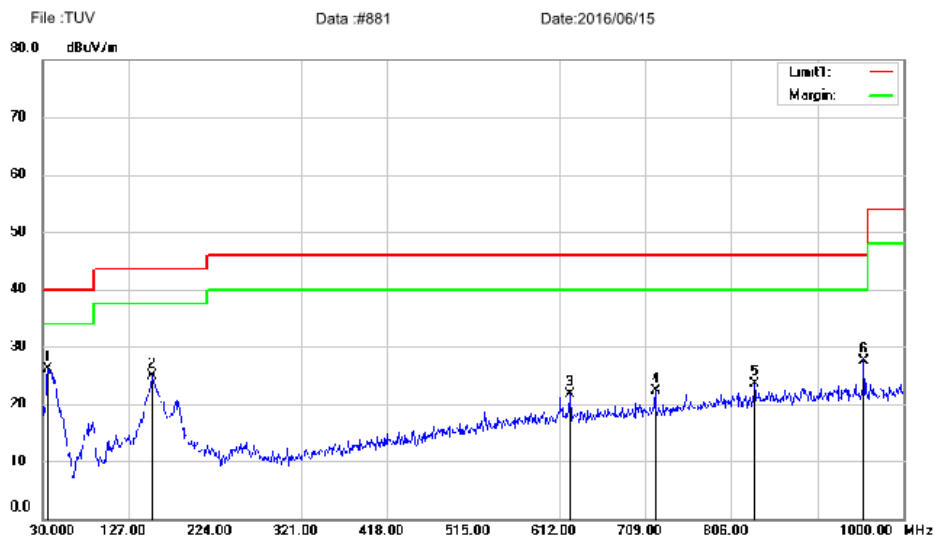
File :TUVData :#880

Page: 1

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Radiated Emission Measurement



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	*	35.8200	57.79	-31.77	26.02	40.00	-13.98	QP	0	
2		153.1900	59.78	-34.94	24.84	43.50	-18.66	QP	0	
3		624.6100	42.94	-21.29	21.65	46.00	-24.35	QP	0	
4		720.6400	42.33	-19.98	22.35	46.00	-23.65	QP	0	
5		832.1900	41.26	-17.69	23.57	46.00	-22.43	QP	0	
6		955.3800	43.29	-15.69	27.60	46.00	-18.40	QP	0	

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

Operator: CSL

File: TUVData: #881

Page: 1

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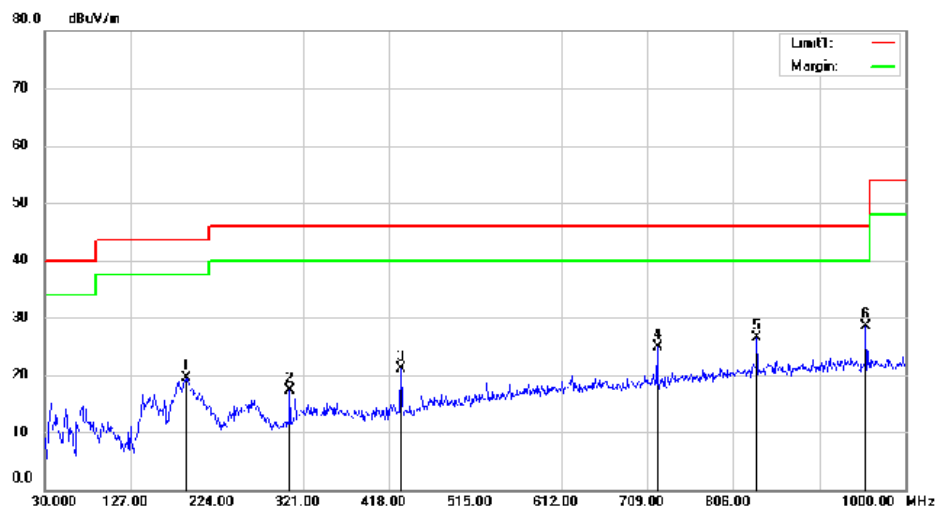
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Radiated Emission Measurement

File :TUV

Data :#882

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 21 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:BLE 2440

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		189.0800	52.04	-32.55	19.49	43.50	-24.01	QP		0
2		306.4500	46.60	-29.31	17.29	46.00	-28.71	QP		0
3		431.5800	47.29	-26.15	21.14	46.00	-24.86	QP		0
4		720.6400	44.92	-19.98	24.94	46.00	-21.06	QP		0
5		832.1900	44.28	-17.69	26.59	46.00	-19.41	QP		0
6	*	955.3800	44.27	-15.69	28.58	46.00	-17.42	QP		0

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

Operator: CSL

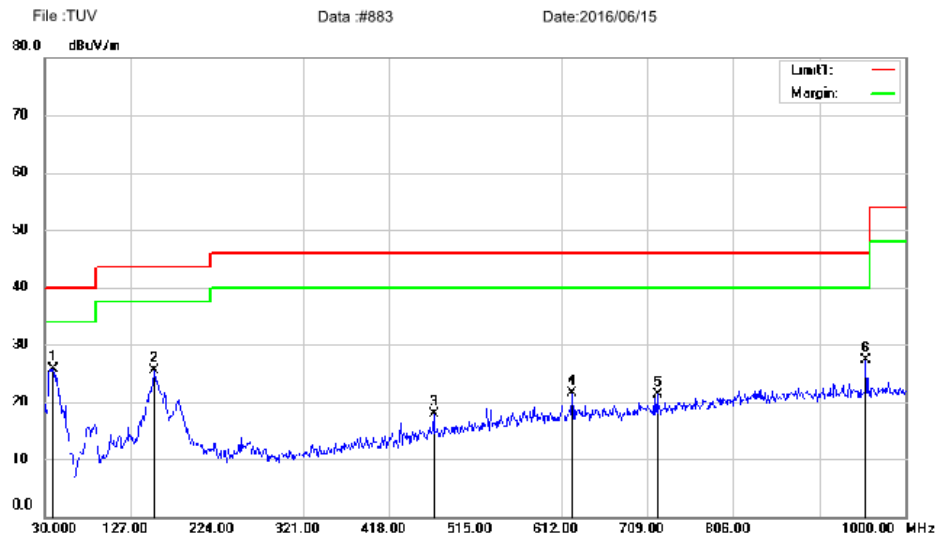
File :TUVData :#882

Page: 1

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Radiated Emission Measurement



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	*	39.7000	56.44	-30.65	25.79	40.00	-14.21	QP	0	
2		153.1900	60.37	-34.94	25.43	43.50	-18.07	QP	0	
3		468.4400	43.07	-25.12	17.95	46.00	-28.05	QP	0	
4		624.6100	42.79	-21.29	21.50	46.00	-24.50	QP	0	
5		720.6400	41.23	-19.98	21.25	46.00	-24.75	QP	0	
6		955.3800	43.03	-15.69	27.34	46.00	-18.66	QP	0	

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

Operator: CSL

File: TUVData: #883

Page: 1

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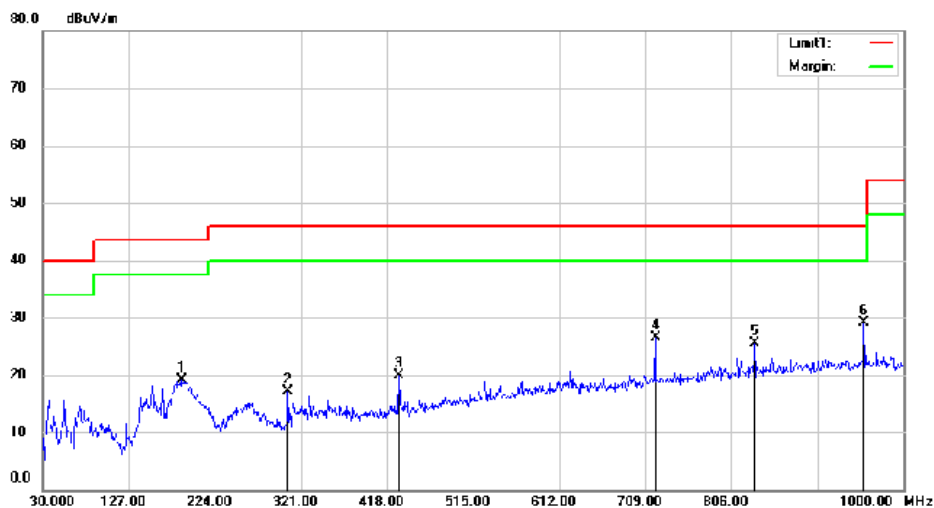


Radiated Emission Measurement

File :TUV

Data :#884

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 21 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		187.1400	51.85	-32.72	19.13	43.50	-24.37	QP	0	
2		306.4500	46.50	-29.31	17.19	46.00	-28.81	QP	0	
3		431.5800	46.07	-26.15	19.92	46.00	-26.08	QP	0	
4		720.6400	46.53	-19.98	26.55	46.00	-19.45	QP	0	
5		832.1900	43.10	-17.69	25.41	46.00	-20.59	QP	0	
6	*	955.3800	44.79	-15.69	29.10	46.00	-16.90	QP	0	

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

Operator: CSL

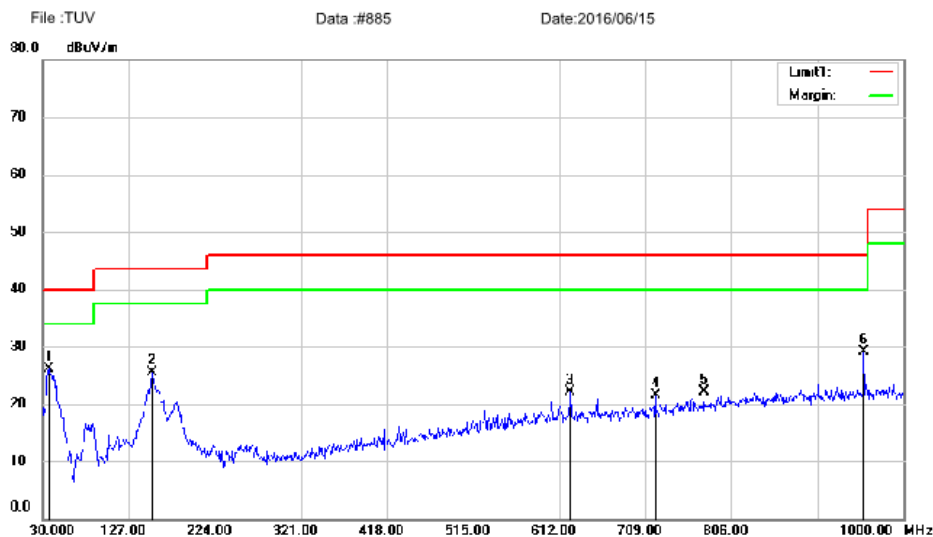
File :TUVData :#884

Page: 1

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Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1	*	36.7900	57.52	-31.44	26.08	40.00	-13.92	QP	0	
2		153.1900	60.45	-34.94	25.51	43.50	-17.99	QP	0	
3		624.6100	43.47	-21.29	22.18	46.00	-23.82	QP	0	
4		720.6400	41.56	-19.98	21.58	46.00	-24.42	QP	0	
5		774.9600	40.93	-18.81	22.12	46.00	-23.88	QP	0	
6		955.3800	44.78	-15.69	29.09	46.00	-16.91	QP	0	

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

Operator: CSL

File: TUVData: #885

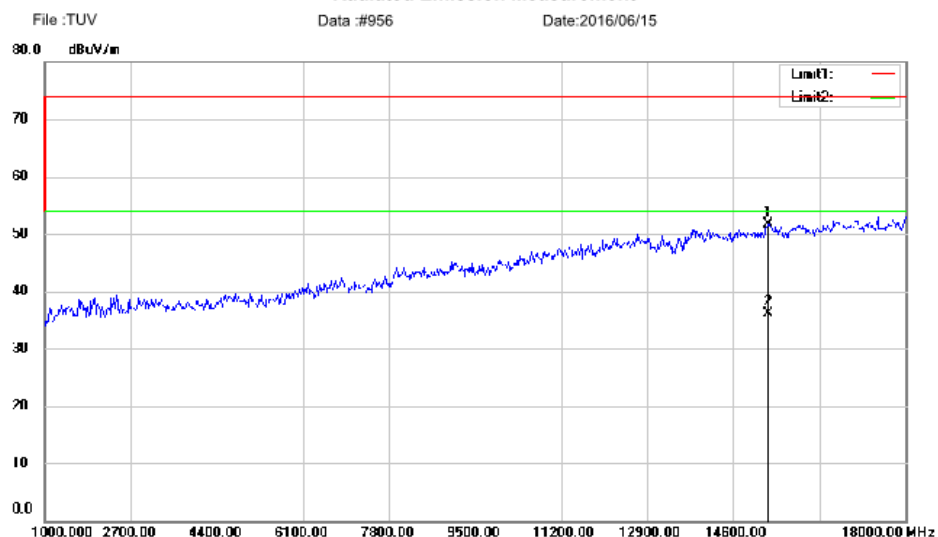
Page: 1

1GHz - 18GHz, BDR mode

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		15297.00	62.30	-10.53	51.77	74.00	-22.23	peak		0
2	*	15297.00	46.63	-10.53	36.10	54.00	-17.90	AVG		0

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

Operator: KK

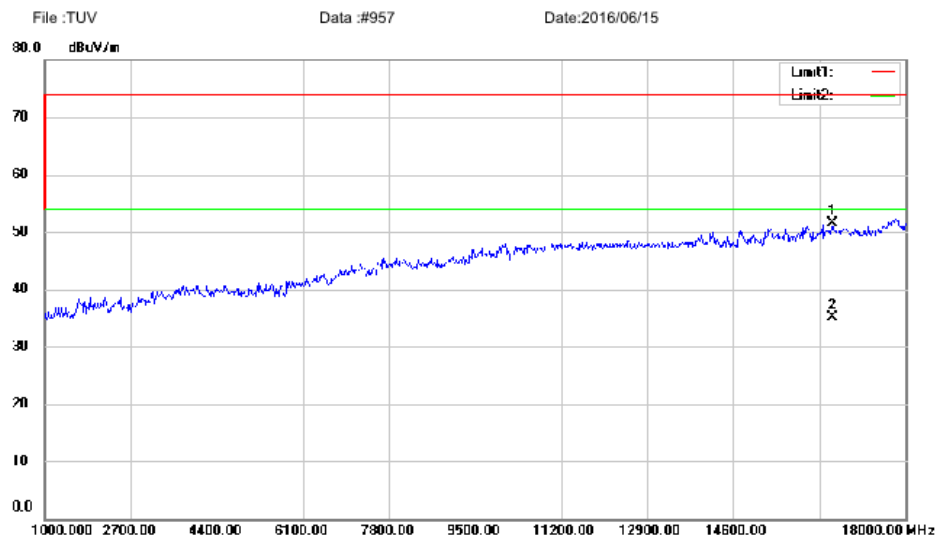
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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	cm	degree	Comment
1		16555.00	62.33	-10.81	51.52	74.00	-22.48	peak	0	
2	*	16555.00	46.01	-10.81	35.20	54.00	-18.80	AVG	0	

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

Operator: KK

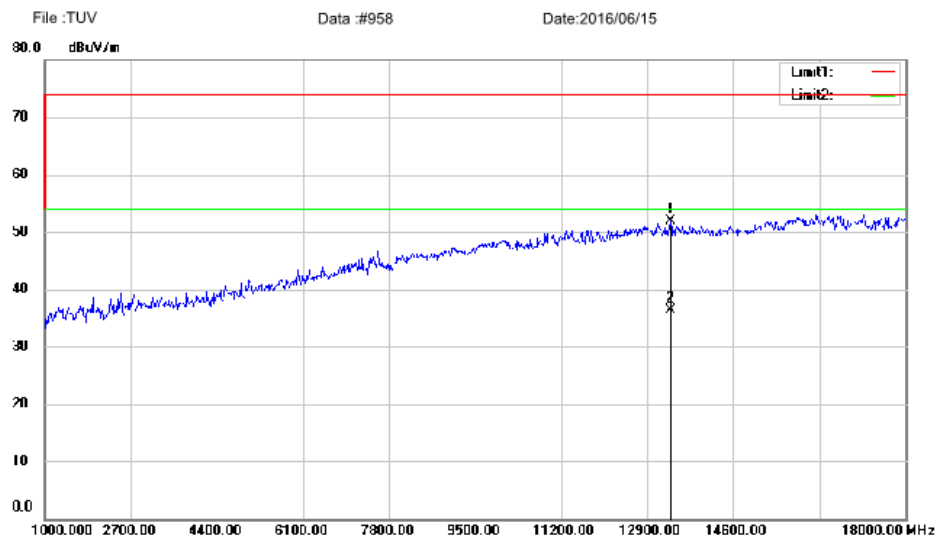
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:GFSK 2441

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		13359.00	62.90	-10.96	51.94	74.00	-22.06	peak	0	
2	*	13359.00	47.26	-10.96	36.30	54.00	-17.70	AVG	0	

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

Operator: KK

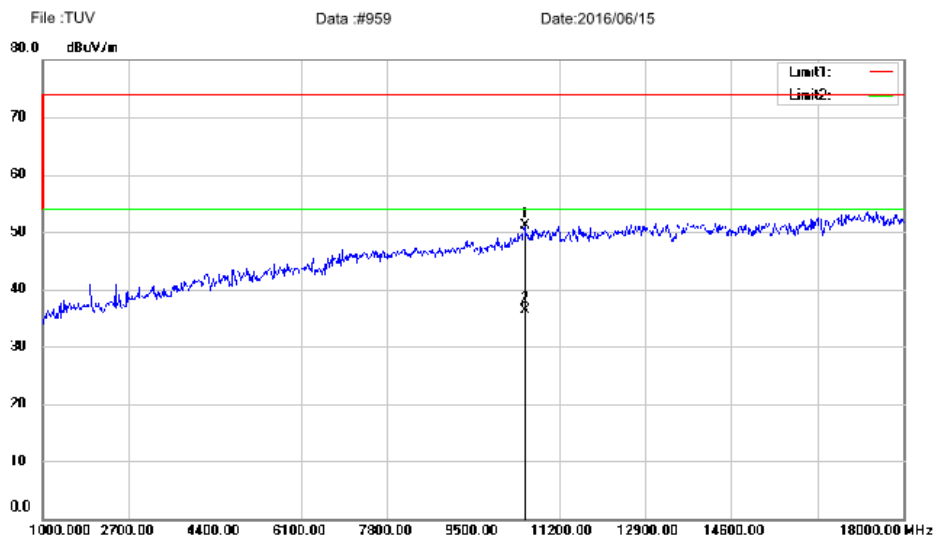
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:GFSK 2441

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		10520.00	65.75	-14.58	51.17	74.00	-22.83	peak	0	
2	*	10520.00	50.98	-14.58	36.40	54.00	-17.60	AVG	0	

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

Operator: KK

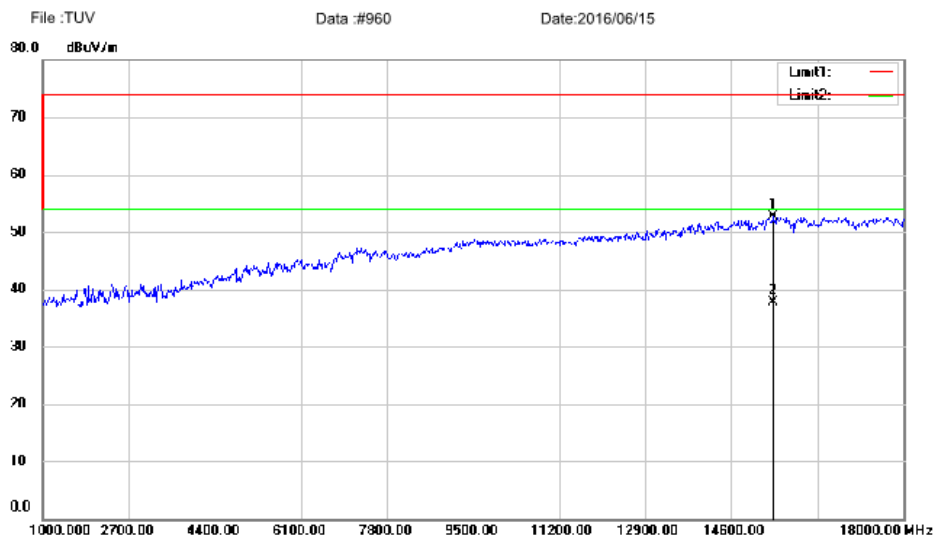
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		15416.00	63.59	-10.90	52.69	74.00	-21.31	peak	0	
2	*	15416.00	48.70	-10.90	37.80	54.00	-16.20	AVG	0	

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

Operator: KK

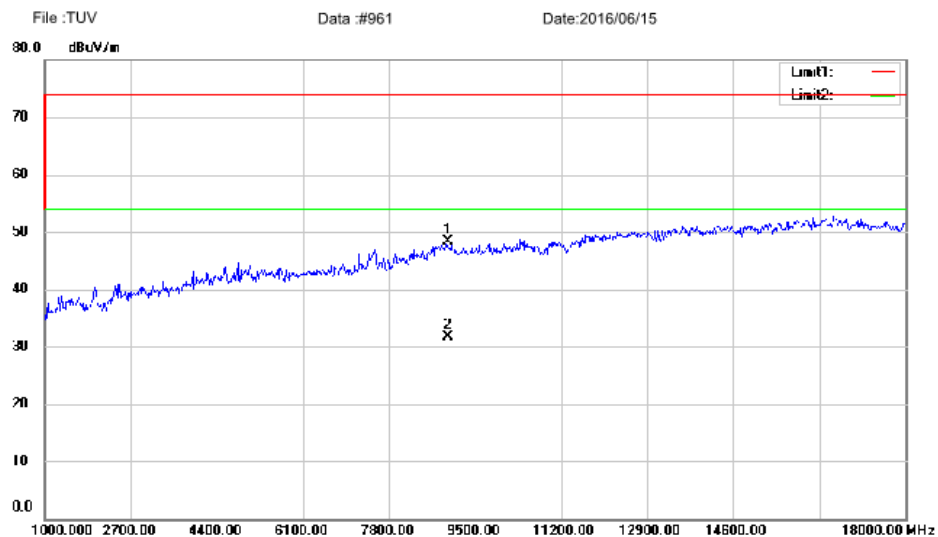
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		8956.000	63.93	-15.71	48.22	74.00	-25.78	peak	0	
2	*	8956.000	47.41	-15.71	31.70	54.00	-22.30	AVG	0	

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

Operator: KK

File :TUVData :#961

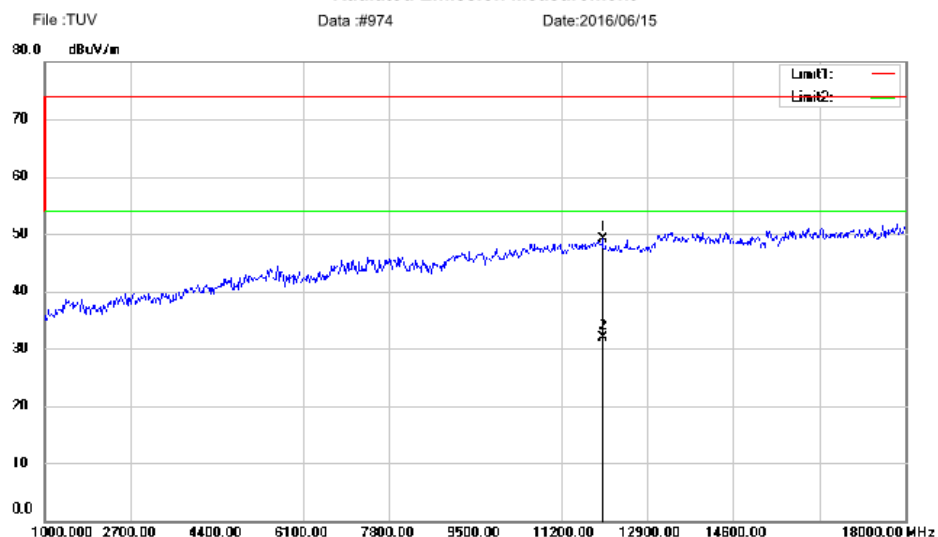
Page: 1

1GHz - 18GHz, Low Energy mode

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		12016.00	62.57	-13.52	49.05	74.00	-24.95	peak		0
2	*	12016.00	45.42	-13.52	31.90	54.00	-22.10	AVG		0

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

Operator: XLX

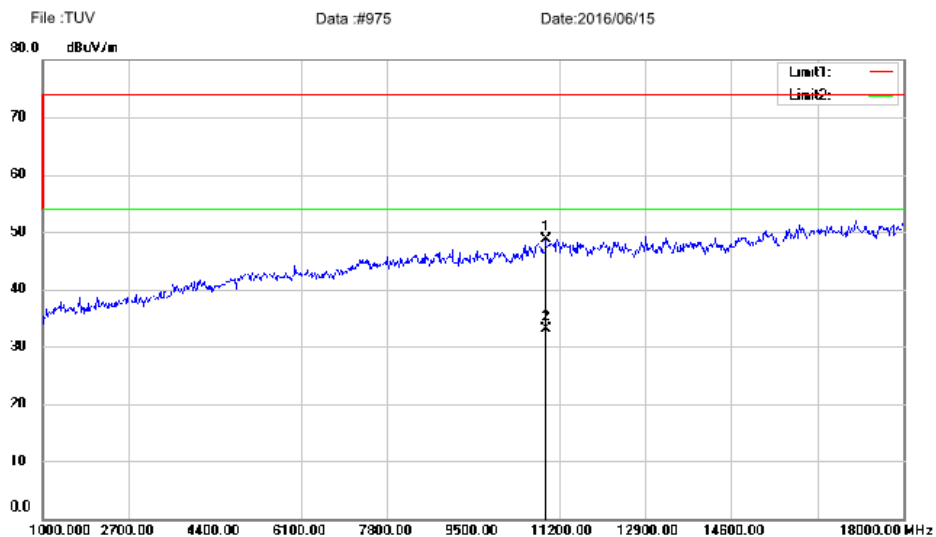
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		10928.00	62.36	-13.56	48.80	74.00	-25.20	peak	0	
2	*	10928.00	46.76	-13.56	33.20	54.00	-20.80	AVG	0	

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

Operator: XLX

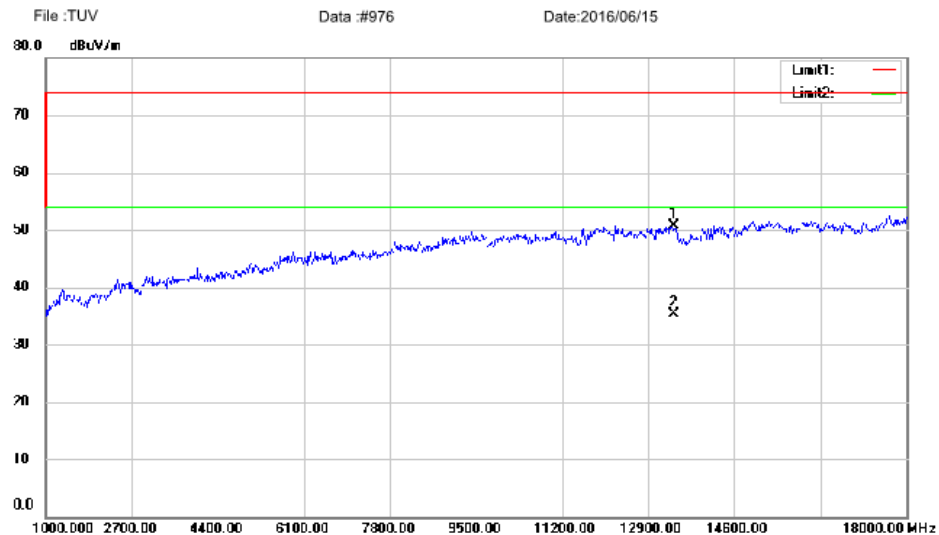
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:BLE 2441

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		13410.00	61.44	-10.71	50.73	74.00	-23.27	peak	0	
2	*	13410.00	46.11	-10.71	35.40	54.00	-18.60	AVG	0	

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

Operator: KK

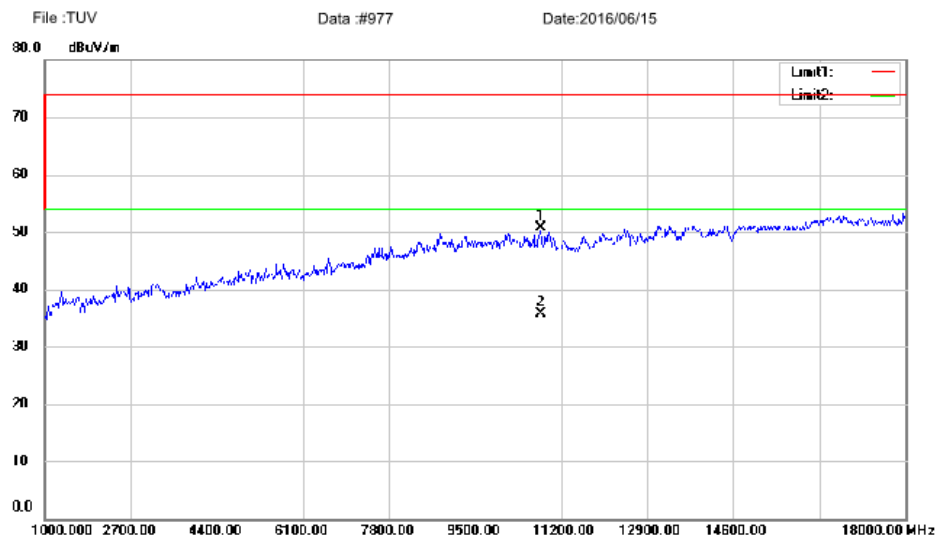
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:BLE 2441

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		10809.00	64.62	-13.86	50.76	74.00	-23.24	peak	0	
2	*	10809.00	49.66	-13.86	35.80	54.00	-18.20	AVG	0	

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

Operator: KK

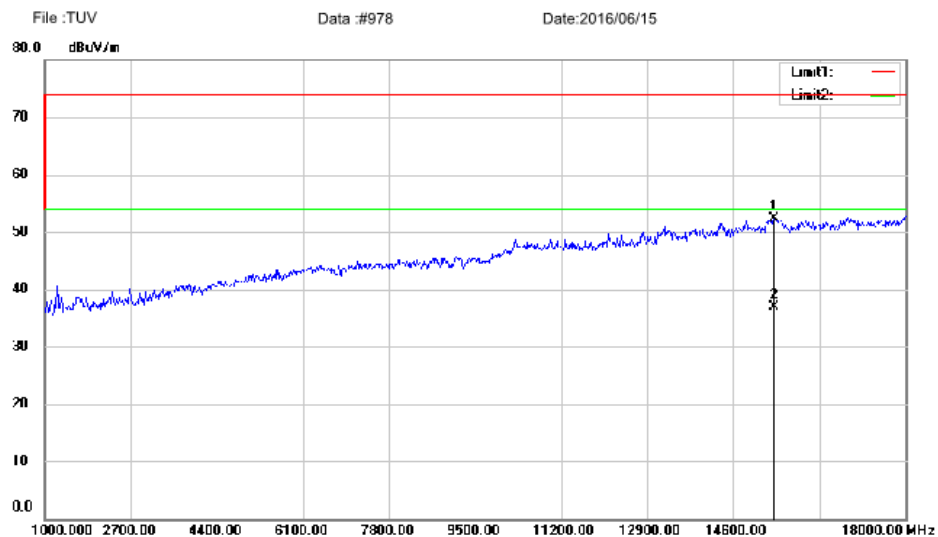
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		15399.00	63.06	-10.85	52.21	74.00	-21.79	peak	0	
2	*	15399.00	47.75	-10.85	36.90	54.00	-17.10	AVG	0	

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

Operator:

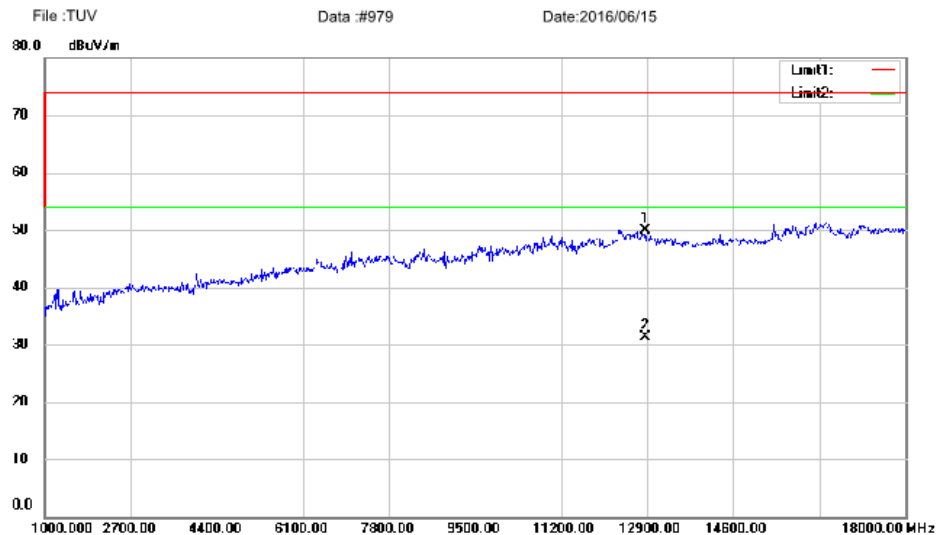
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		12866.00	62.80	-12.83	49.97	74.00	-24.03	peak	0	
2	*	12866.00	44.23	-12.83	31.40	54.00	-22.60	AVG	0	

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

Operator:

File :TUVData :#979

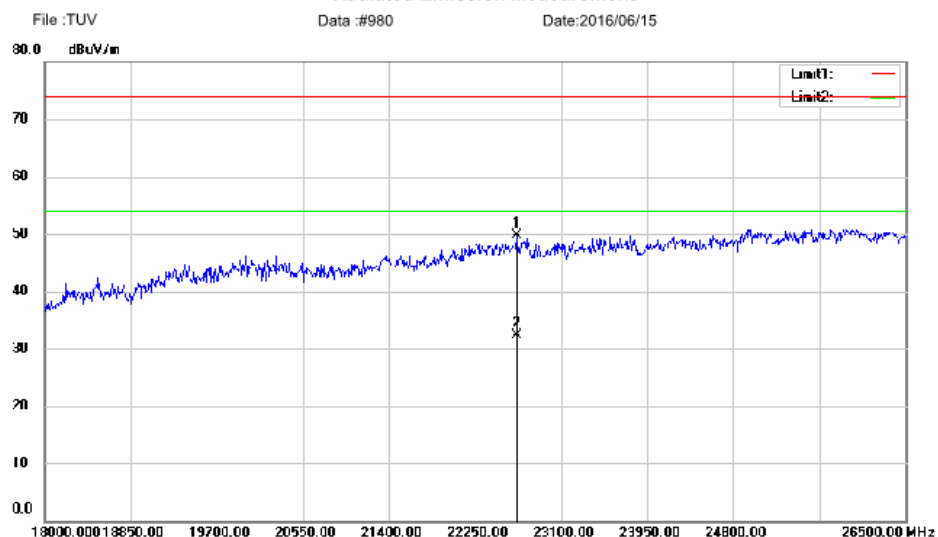
Page: 1

18GHz - 26.5GHz, BDR mode

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:DQPSK 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		22658.00	88.54	-38.87	49.67	74.00	-24.33	peak	0	
2	*	22658.00	71.17	-38.87	32.30	54.00	-21.70	AVG	0	

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

Operator: KK

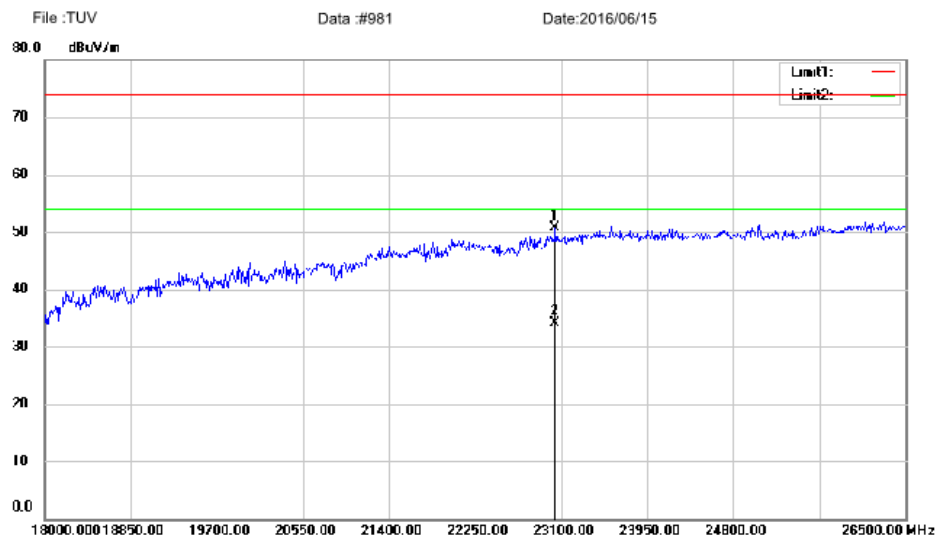
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Page: 1

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:DQPSK 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		23040.50	88.75	-38.14	50.61	74.00	-23.39	peak	0	
2	*	23040.50	72.34	-38.14	34.20	54.00	-19.80	AVG	0	

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

Operator: KK

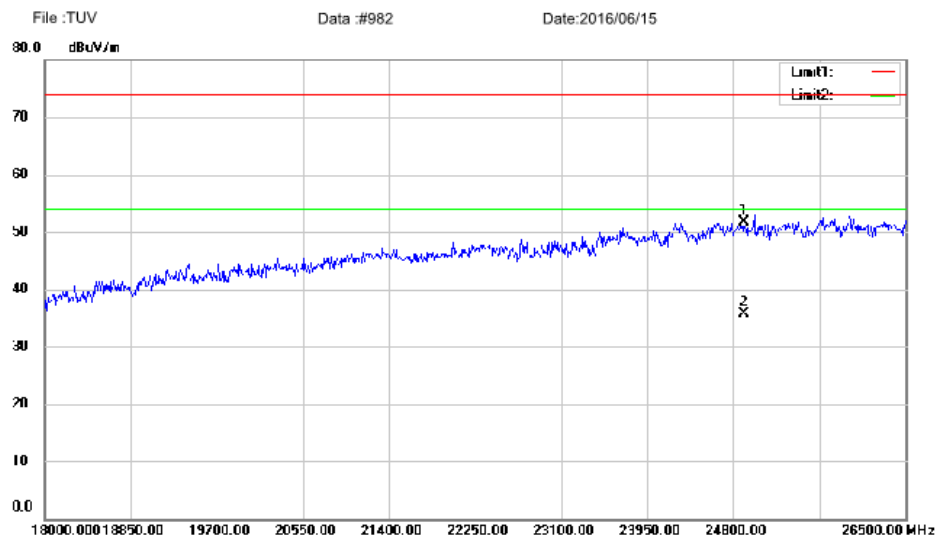
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Page: 1

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:DQPSK 2441

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		24902.00	88.79	-37.02	51.77	74.00	-22.23	peak	0	
2	*	24902.00	72.82	-37.02	35.80	54.00	-18.20	AVG	0	

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

Operator: KK

File :TUVData :#982

Page: 1

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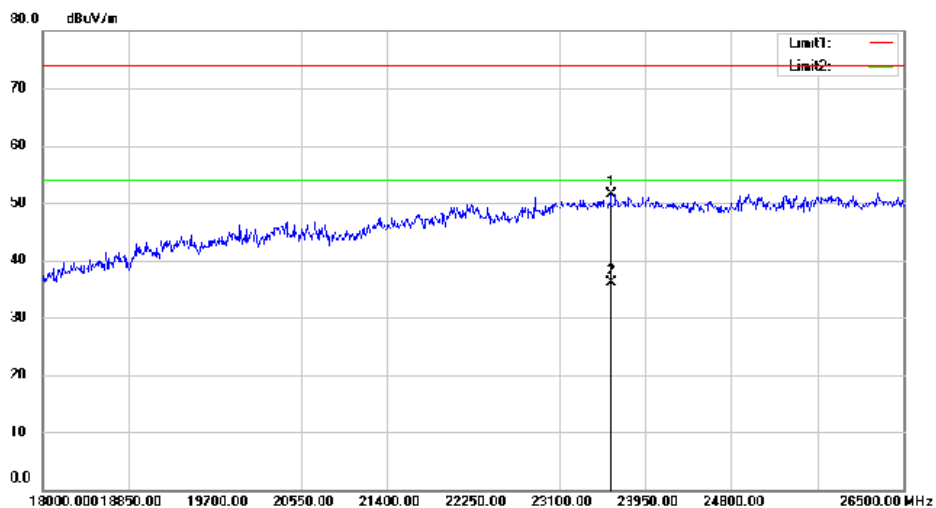


Radiated Emission Measurement

File :TUV

Data :#983

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:DQPSK 2441

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		23610.00	89.10	-37.54	51.56	74.00	-22.44	peak	0	
2	*	23610.00	73.64	-37.54	36.10	54.00	-17.90	AVG	0	

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

Operator: KK

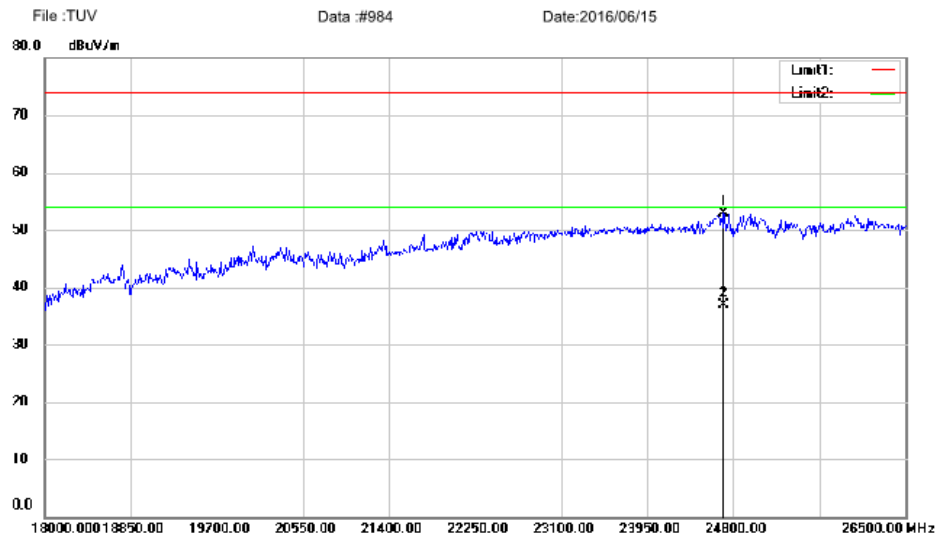
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Page: 1

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:DQPSK 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		24698.00	89.91	-37.05	52.86	74.00	-21.14	peak	0	
2	*	24698.00	73.95	-37.05	36.90	54.00	-17.10	AVG	0	

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

Operator: KK

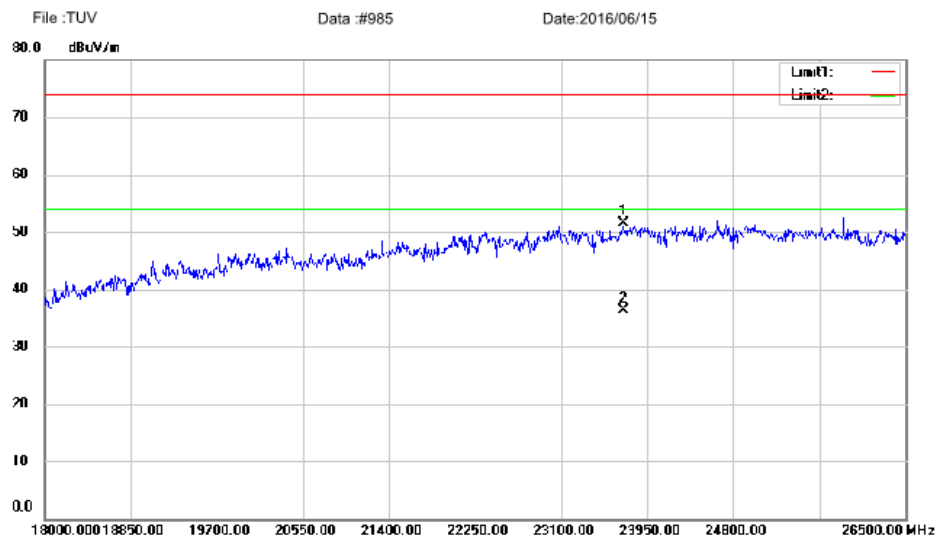
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Page: 1

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:DQPSK 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		23712.00	88.84	-37.43	51.41	74.00	-22.59	peak	0	
2	*	23712.00	73.73	-37.43	36.30	54.00	-17.70	AVG	0	

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

Operator: KK

File :TUVData :#985

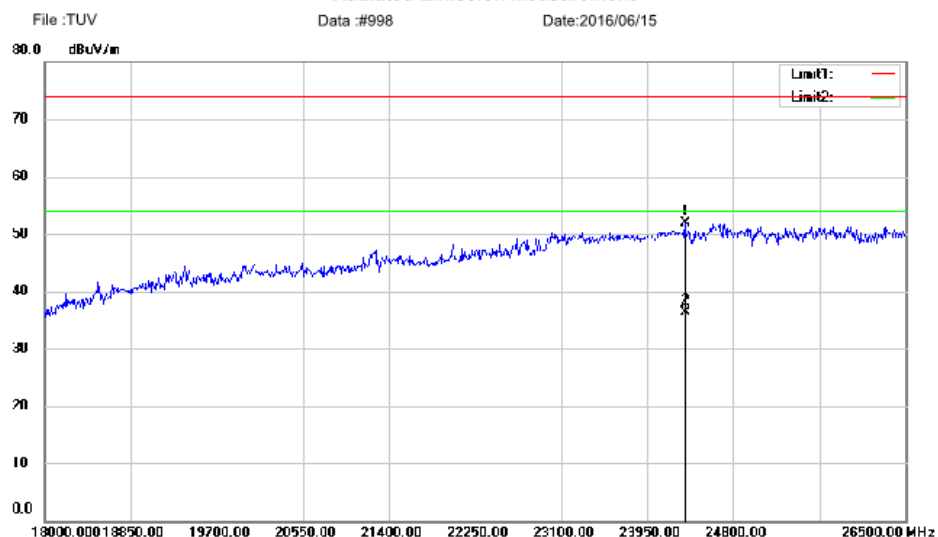
Page: 1

18GHz - 26.5GHz, Low Energy mode

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		24324.00	88.94	-37.09	51.85	74.00	-22.15	peak		0
2	*	24324.00	73.49	-37.09	36.40	54.00	-17.60	AVG		0

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

Operator: KK

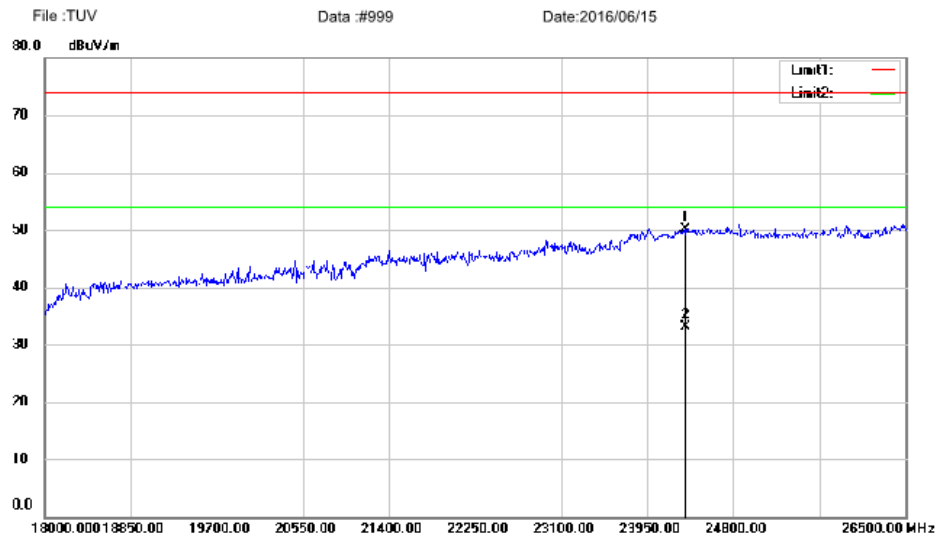
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		24324.00	87.17	-37.09	50.08	74.00	-23.92	peak	0	
2	*	24324.00	70.29	-37.09	33.20	54.00	-20.80	AVG	0	

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

Operator: KK

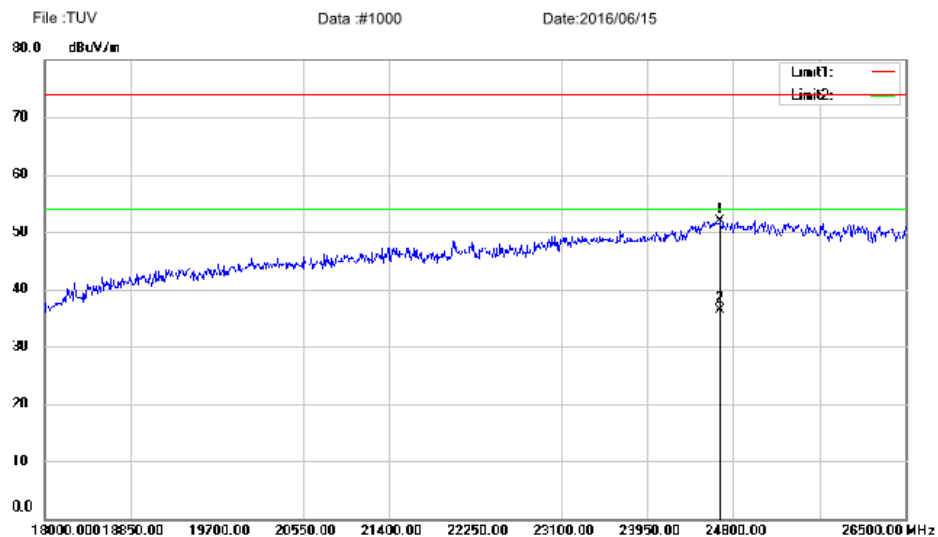
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:BLE 2440

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		24672.50	88.94	-37.05	51.89	74.00	-22.11	peak	0	
2	*	24672.50	73.45	-37.05	36.40	54.00	-17.60	AVG	0	

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

Operator: KK

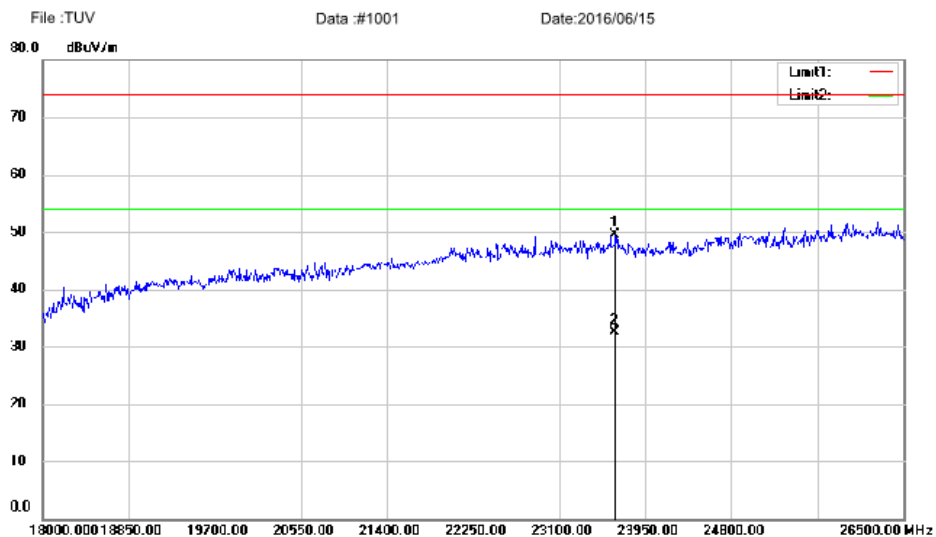
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

Mode:BLE 2440

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		23652.50	86.91	-37.49	49.42	74.00	-24.58	peak	0	
2	*	23652.50	69.99	-37.49	32.50	54.00	-21.50	AVG	0	

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

Operator: KK

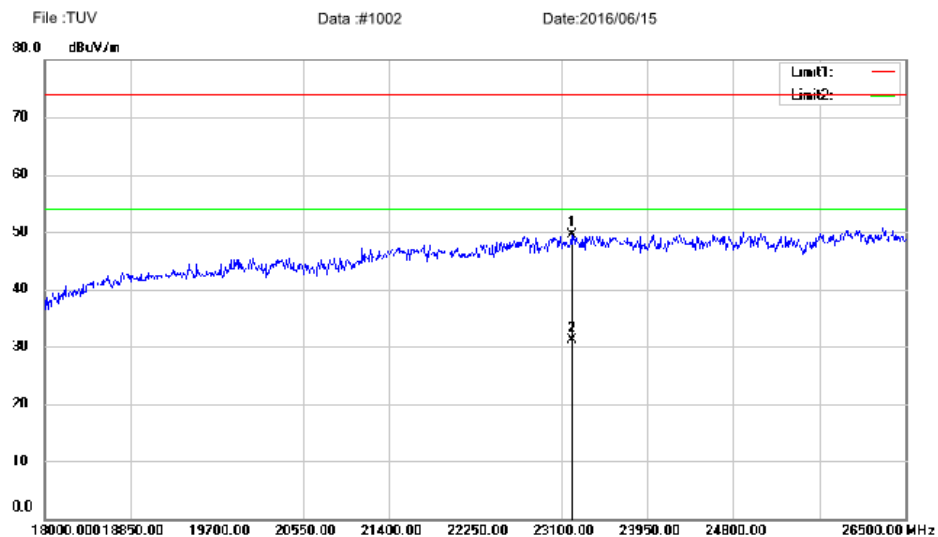
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		23202.00	87.56	-37.97	49.59	74.00	-24.41	peak	0	
2	*	23202.00	69.17	-37.97	31.20	54.00	-22.80	AVG	0	

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

Operator: KK

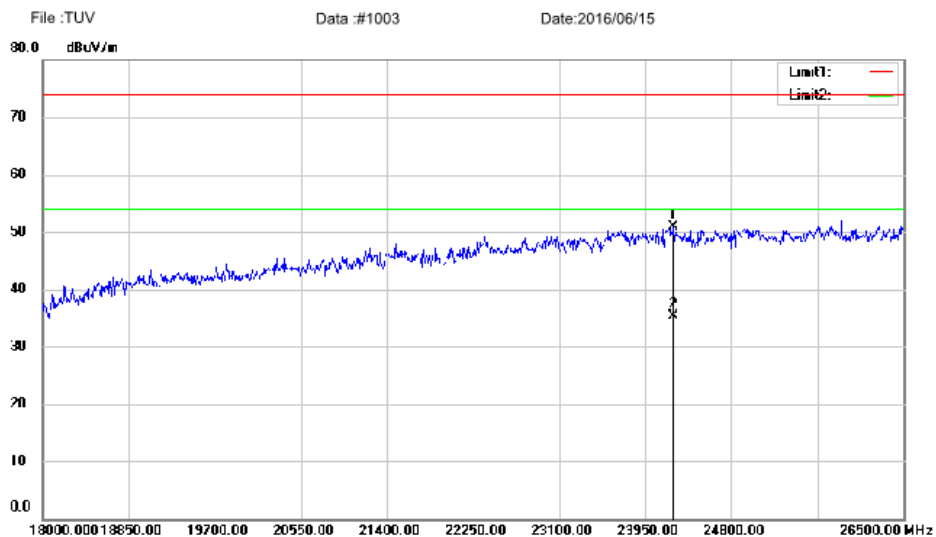
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		24230.50	88.09	-37.10	50.99	74.00	-23.01	peak	0	
2	*	24230.50	72.40	-37.10	35.30	54.00	-18.70	AVG	0	

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

Operator: KK

File :TUVData :#1003

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Appendix B.2: Test Plots of Band Edge (Radiated)

Low Channel, BDR mode

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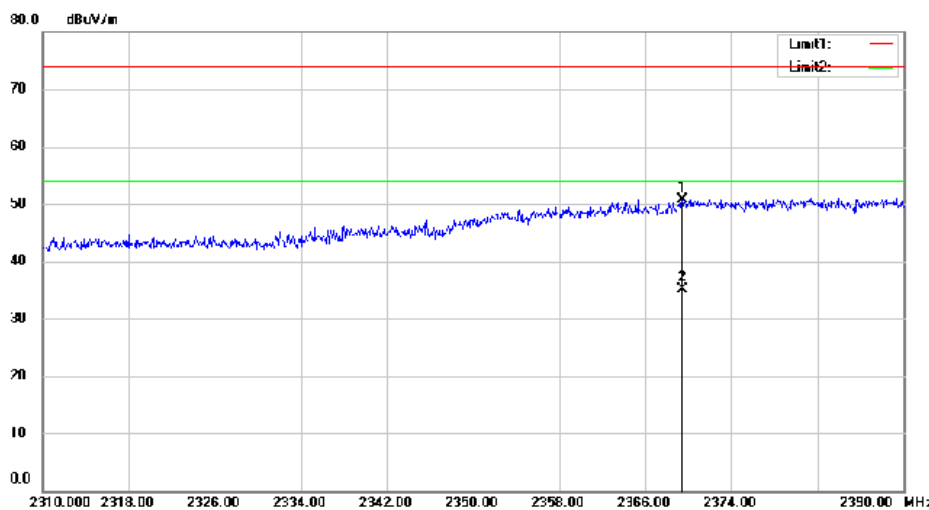


Radiated Emission Measurement

File :TUV

Data :#928

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		2369.440	43.34	7.46	50.80	74.00	-23.20	peak		0
2	*	2369.440	27.64	7.46	35.10	54.00	-18.90	AVG		0

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

Operator: KK

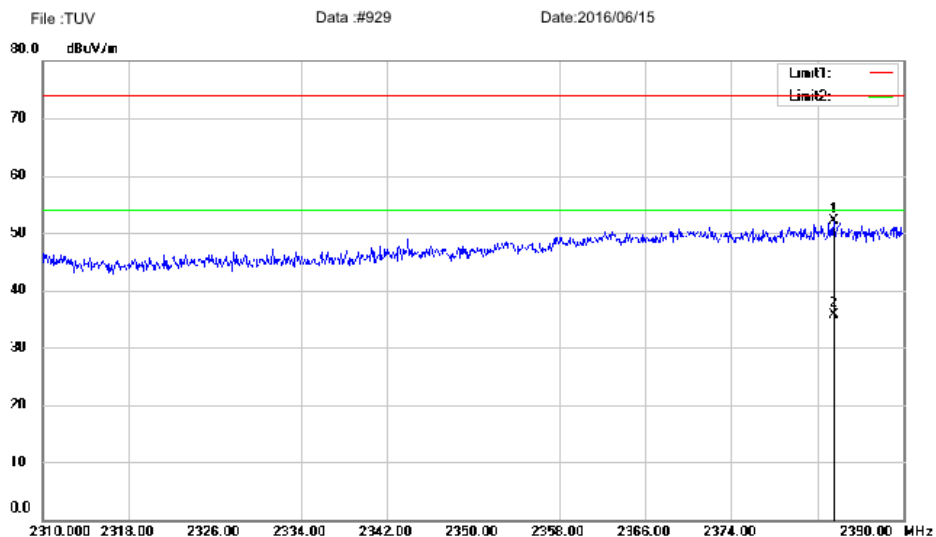
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Page: 1

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		2383.520	44.56	7.56	52.12	74.00	-21.88	peak	0	
2	*	2383.520	28.24	7.56	35.80	54.00	-18.20	AVG	0	

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

Operator: KK

File :TUVData :#929

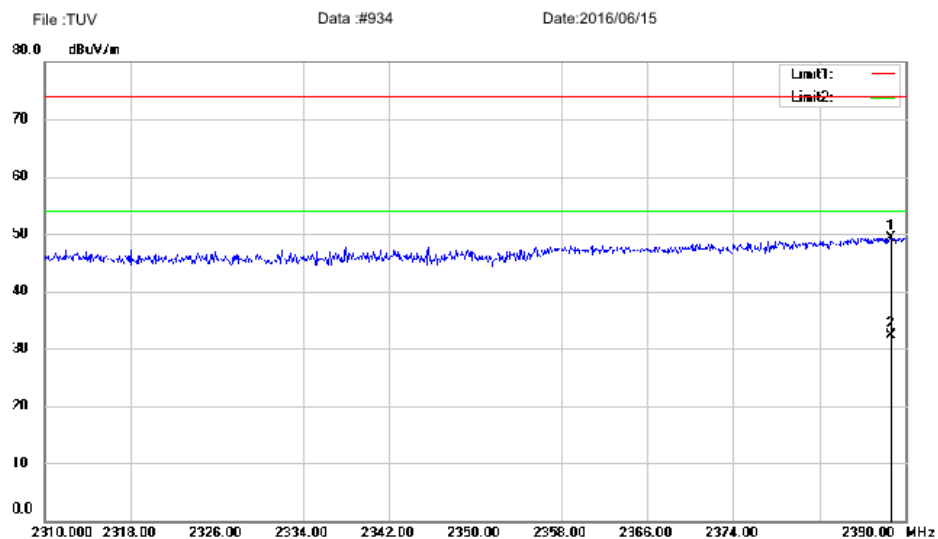
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Low Channel, Low Energy mode

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		2388.640	41.76	7.59	49.35	74.00	-24.65	peak	0	
2	*	2388.640	24.71	7.59	32.30	54.00	-21.70	AVG	0	

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

Operator: KK

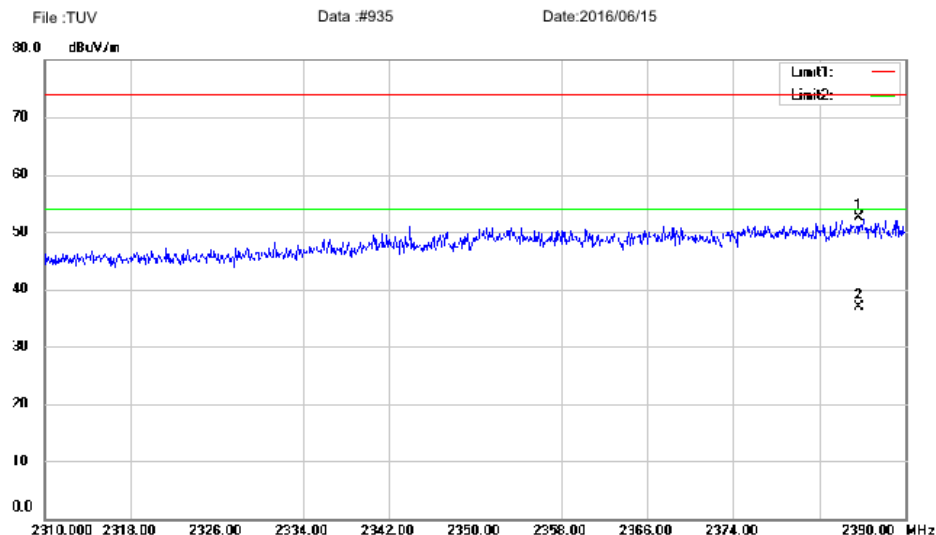
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Radiated Emission Measurement



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
EUT: MID
M/N: MID721-RB
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		2385.680	44.94	7.58	52.52	74.00	-21.48	peak		0
2	*	2385.680	29.32	7.58	36.90	54.00	-17.10	AVG		0

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

Operator: KK

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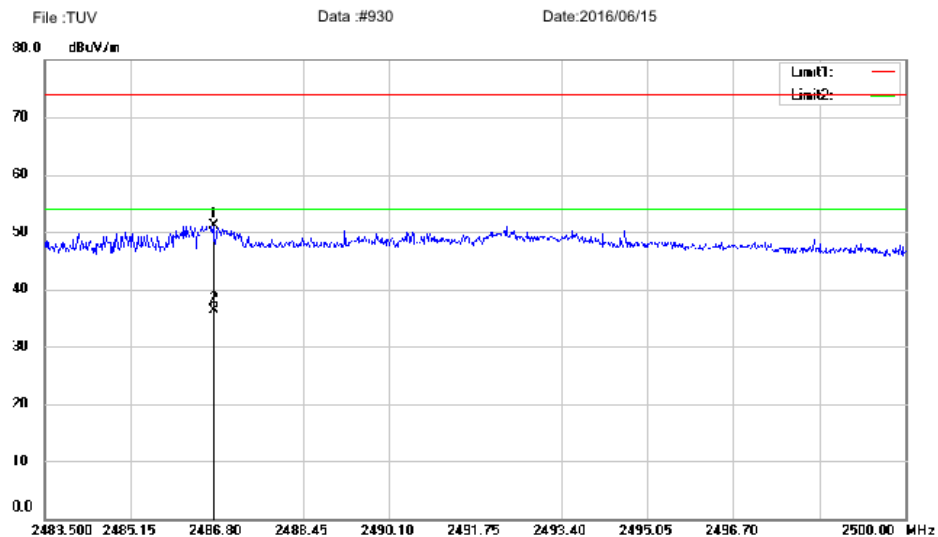
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High Channel, BDR mode

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		2486.734	42.86	8.31	51.17	74.00	-22.83	peak	0	
2	*	2486.734	27.99	8.31	36.30	54.00	-17.70	AVG	0	

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

Operator: KK

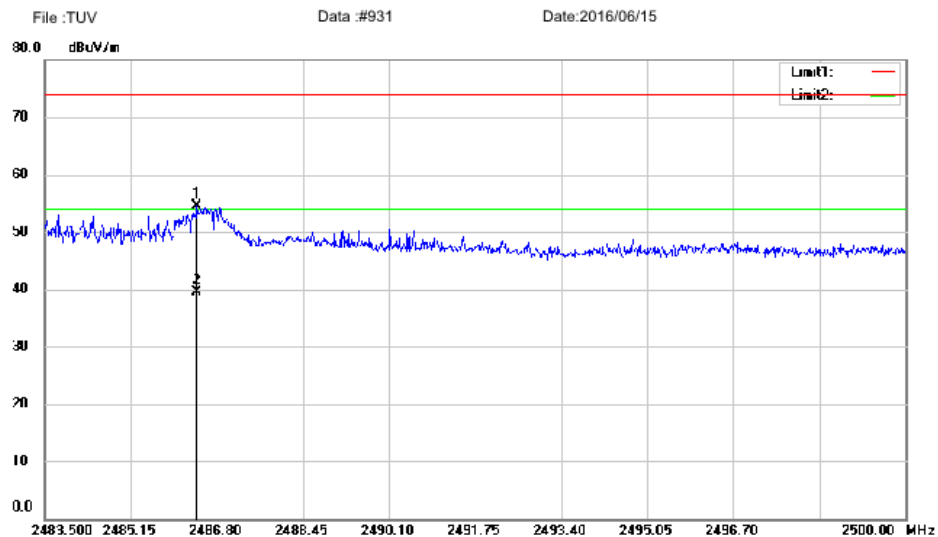
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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		2486.421	46.26	8.31	54.57	74.00	-19.43	peak	0	
2	*	2486.421	31.29	8.31	39.60	54.00	-14.40	AVG	0	

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

Operator: KK

File :TUVData :#931

Page: 1

High Channel, Low Energy mode

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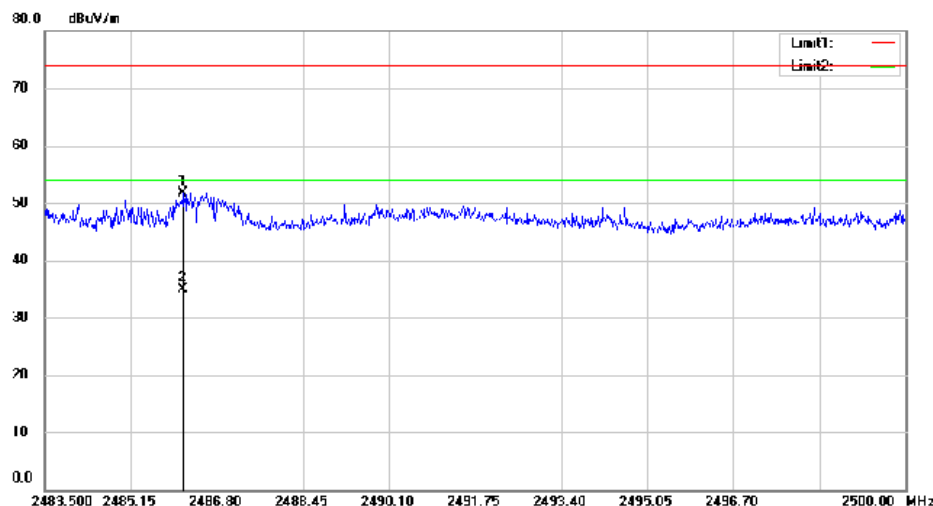


Radiated Emission Measurement

File :TUV

Data :#936

Date:2016/06/15



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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		2486.157	43.35	8.30	51.65	74.00	-22.35	peak	0	
2	*	2486.157	26.70	8.30	35.00	54.00	-19.00	AVG	0	

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

Operator: KK

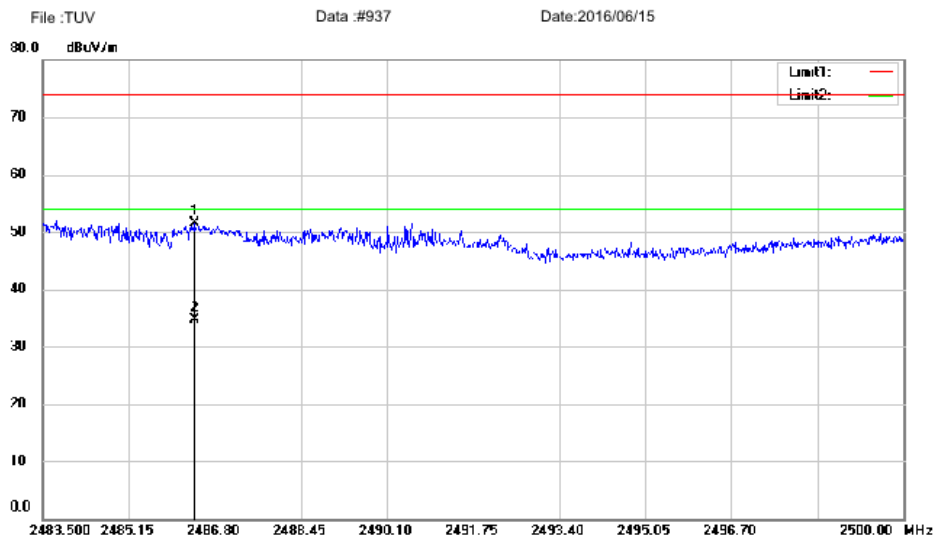
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Page: 1

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: MID

M/N: MID721-RB

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	cm	degree
1		2486.421	43.26	8.31	51.57	74.00	-22.43	peak	0
2	*	2486.421	26.39	8.31	34.70	54.00	-19.30	AVG	0

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

Operator: KK

File :TUVData :#937

Page: 1