

Prüfbericht-Nr.: Test report no.:	CN24ZEU2 003	Auftrags-Nr.: Order no.:	168499083	Page 1 of 15 Seite 1 von 15
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2024-07-30	
Auftraggeber: Client:	Sanford LP dba Dymo 3 Glenlake Parkway, NE Atlanta, GA 30328 United States			
Prüfgegenstand: Test item:	Label Maker			
Bezeichnung / Typ-Nr.: Identification / Type no.:	LabelManager Executive 640CB (Trademark: DYMO)			
Auftrags-Inhalt: Order content:	Type test			
Prüfgrundlage: Test specification:	CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 ICES-003 Issue 7 October 2020			
Wareneingangsdatum: Date of sample receipt:	2024-08-12	Refer to photos documents		
Prüfmuster-Nr.: Test sample no.:	A003791854			
Prüfzeitraum: Testing period:	2024-08-23 – 2024-08-26			
Ort der Prüfung: Place of testing:	Shenzhen Huaxia Testing Technology Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:			genehmigt von: authorized by:	
Datum: Date:	2024-10-10 Signed by: Harry W. C. Wu		Ausstellungsdatum: Issue date:	2024-10-10 Signed by: Alex Lan
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: RGDLM640			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				
TUV Rheinland (Shenzhen) Co., Ltd., 1601-1604, 17-18F, Tower A Building 2, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Street, Xili Community, Nanshan District, Shenzhen 518052, P. R. China Mail: service-gc@tuv.com · Web: www.tuv.com				

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Remarks
Anmerkungen

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. <i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i> <i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i>
2	As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. <i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i>
3	Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. <i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i>
4	The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019. <i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i>

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Test Summary

5.1 Conducted emissions

RESULT: Pass

5.2 Radiated emissions

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

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

2 Test Sites

2.1 Test Facilities

Shenzhen Huaxia Testing Technology Co., Ltd.
1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District,
Shenzhen, China

CNAS No.: L5785

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

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2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Conducted Emissions (150kHz-30MHz)				
Equipment	Manufacturer	Model No	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESPI3	CQA-013	2024/9/7
LISN	R&S	ENV216	CQA-003	2024/9/7
Coaxial cable (9KHz~300MHz)	CQA	N/A	C021	2024/9/7

Radiated Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Loop antenna	SCHWARZBECK	FMZB 1516	CQA-060	2024/9/15
Horn Antenna	R&S	BBHA 9170	CQA-088	2024/9/15
Horn Antenna	R&S	HF906	CQA-012	2024/9/15
Bilog Antenna	R&S	HL562	CQA-011	2024/9/15
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/7
Spectrum analyzer	R&S	FSU26	CQA-038	2024/9/7
Preamplifier	MITEQ	AMF-6D- 02001800-29-20P	CQA-036	2024/9/7
Coaxial cable (1GHz~40GHz)	CQA	N/A	C007	2024/9/7
Coaxial cable (9KHz~1GHz)	CQA	N/A	C013	2024/9/7

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table

Parameter	Uncertainty
Radiated Emission (10m SAC), 30MHz to 1000MHz	± 4.66 dB
Radiated Emission (3m SAC), above 1000MHz	± 4.60 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The Shenzhen Huaxia Testing Technology Co., Ltd. Test facility located at 1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China is listed on the US Federal Communications Commission list of facilities approved to perform measurements

3 General Product Information

3.1 Product Function and Intended Use

The EUT is label printer, which supports Bluetooth technology.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	Label Maker
Type Designation	LabelManager Executive 640CB
Trademark	DYMO
Operating Voltage	DC 5V, 2A via External AC/DC Adapter Or DC 7.2V, 2000mAh via built-in Li-ion battery
Extreme Temperature Range	0°C to +45°C for charging 0°C to +60°C for discharging

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, printing via keyboard input
- B. On, printing via PC, printer connected to PC via Type-C port
- C. On, printing via mobile phone, printer connected to mobile phone via Bluetooth
- D. On, Charging
- E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- User Manual
- FCC/IC Label and Location Info
- Technical Description

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2014.

4.3 Special Accessories and Auxiliary Equipment

Table 3: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N or Rating
Adapter	Apple	120200C01	Input:100-200V~50/60Hz, 0.8A,Output: 12V/2A
Adapter	HUAWEI	HW-100400C01	Input: 100-240V~ 50/60Hz, Output: 5V/2A or 9V/2A or 10V/4A MAX
Mobile phone	Mi	M2002J9E	Xiaomi phone - Mi 10 Lite Zoom
Mobile phone	HUAWEI	HMA-AL00	HUAWEI (HUAWEI) PHONE-MATE 20
Portable Laptop	Lenovo	20LT-A6Q2CD	PF-12L05Q19110

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

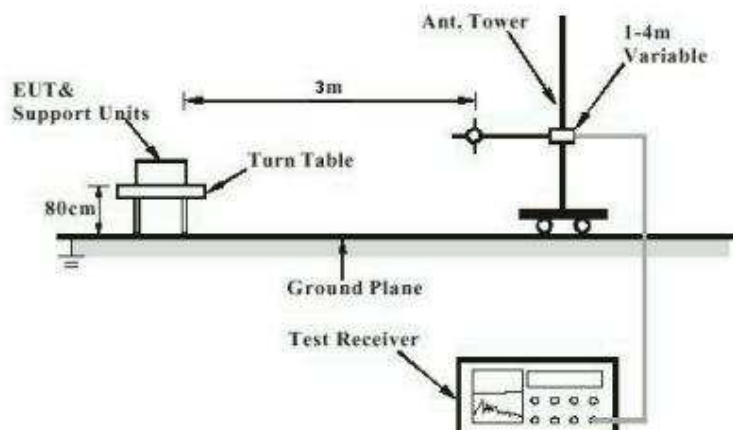


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

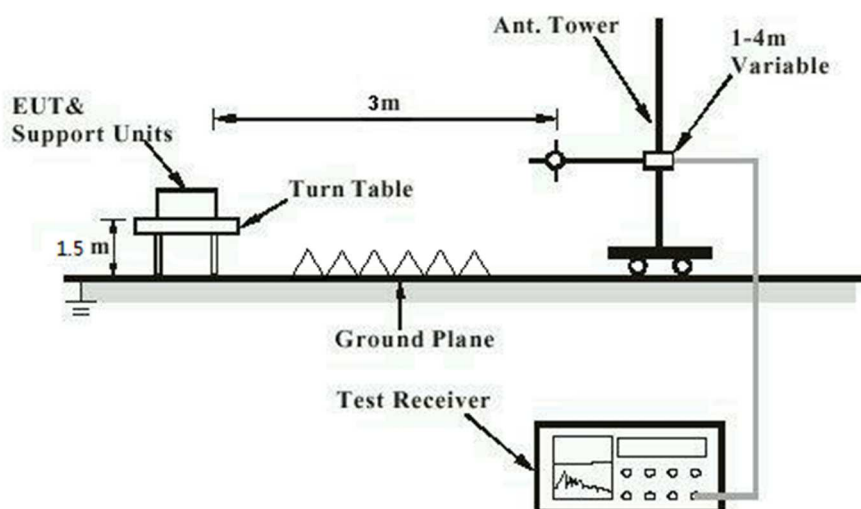
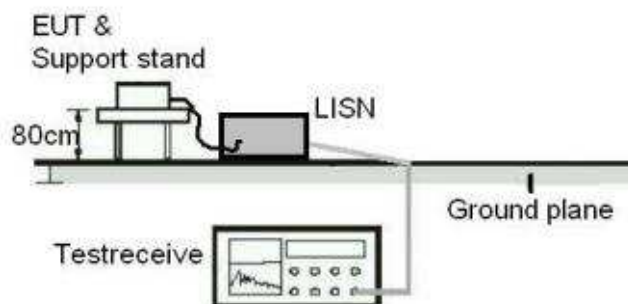


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement



5 Test Results

5.1 Conducted emissions

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.107(a) & ICES-003
Basic standard	: ANSI C63.4: 2014
Frequency range	: 150kHz - 30MHz
Classification	: Class B
Limit	: FCC Part 15.107(a) & ICES-003 Table 1
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-08-23 to 2024-08-26
Test voltage	: AC 120V, 60Hz
Operation mode	: D
Test ports	: AC mains terminals
Earthing	: Not connected
Test configuration	: Table-top
Ambient temperature	: 25.5 °C
Relative humidity	: 55.0 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.2 Radiated Emission

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.109(a) & ICES-003
Basic standard	: ANSI C63.4: 2014
Frequency range	: 30 - (five harmonics) *
Classification	: Class B
Limit	: FCC Part 15.109(a) ICES-003 Table 2 & Table 4
Kind of test site	: 3m Semi-anechoic Chamber & 3m Full-anechoic Chamber

Test Setup

Date of testing	: 2024-08-23 to 2024-08-26
Input voltage	: AC 120V, 60Hz or battery
Operation mode	: A, B, C, D
Earthing	: Not connected
Ambient temperature	: Refer to test data
Relative humidity	: Refer to test data
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

Remark:

- 1) Note: Testing was carried out within frequency range 30MHz to the 5th harmonics, the maximum operating frequency of EUT is 2480MHz and we performed test from 30MHz to 12.5GHz in this test report.
- 2) This testing was carried out on all operation modes, but only the worst case was presented in this report.

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Appendix A: Test Results of FCC 15B & ICES-003

APPENDIX A: TEST RESULTS OF FCC 15B & ICES-0031

APPENDIX A.1: TEST PLOTS OF CONDUCTED EMISSION ON AC MAINS2

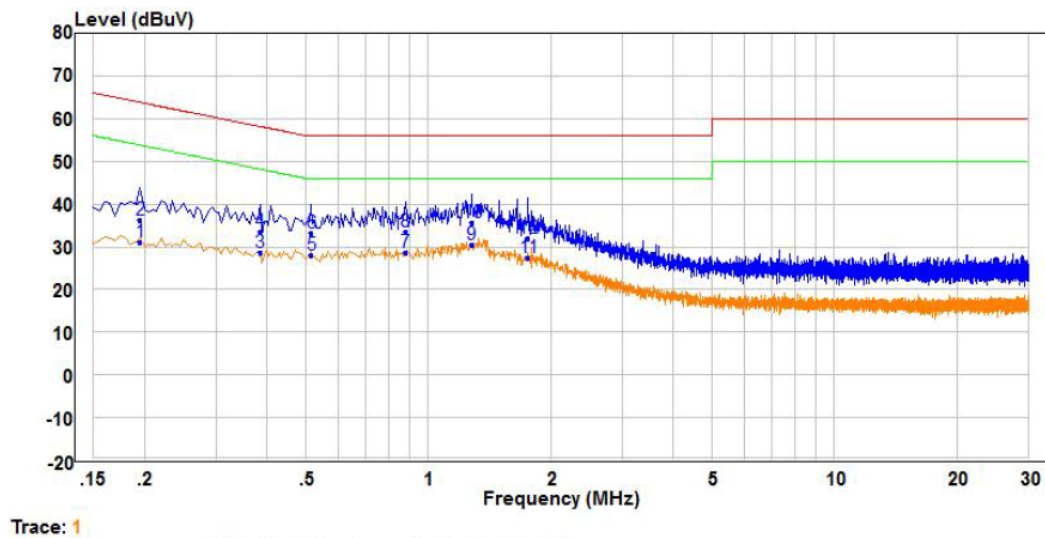
APPENDIX A.2: TEST PLOTS OF RADIATED EMISSION, BELOW 1GHz4

APPENDIX A.3: TEST PLOTS OF RADIATED EMISSION, ABOVE 1GHz12

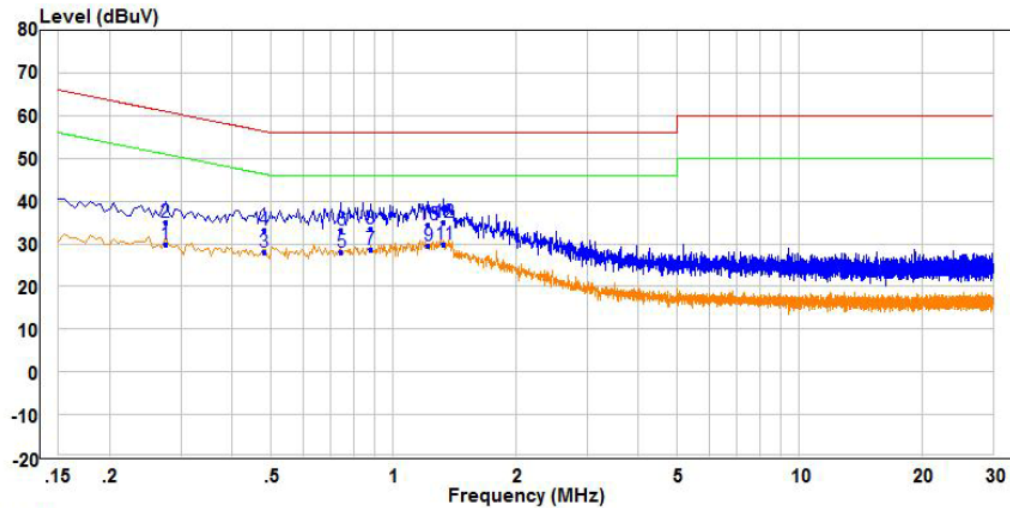
Appendix A.1: Test Plots of Conducted Emission on AC Mains

EUT Information

EUT Name:	Label Maker
Model:	LabelManager Executive 640CB
Test Mode:	Charging
Test Voltage:	AC 120V/60Hz
Standard:	FCC 15B
Tem./Hum./Pressure:	25.5°C/55.0%/101kPa



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.195	21.46	9.62	31.08	53.82	-22.74	Average	Line
2	0.195	26.51	9.62	36.13	63.82	-27.69	QP	Line
3	0.385	19.15	9.59	28.74	48.17	-19.43	Average	Line
4	0.385	24.05	9.59	33.64	58.17	-24.53	QP	Line
5	0.515	18.34	9.72	28.06	46.00	-17.94	Average	Line
6	0.515	23.58	9.72	33.30	56.00	-22.70	QP	Line
7	0.880	18.86	9.78	28.64	46.00	-17.36	Average	Line
8	0.880	23.86	9.78	33.64	56.00	-22.36	QP	Line
9 PP	1.280	19.98	10.39	30.37	46.00	-15.63	Average	Line
10 QP	1.280	25.19	10.39	35.58	56.00	-20.42	QP	Line
11	1.760	16.14	11.29	27.43	46.00	-18.57	Average	Line
12	1.760	20.80	11.29	32.09	56.00	-23.91	QP	Line



Trace: 1

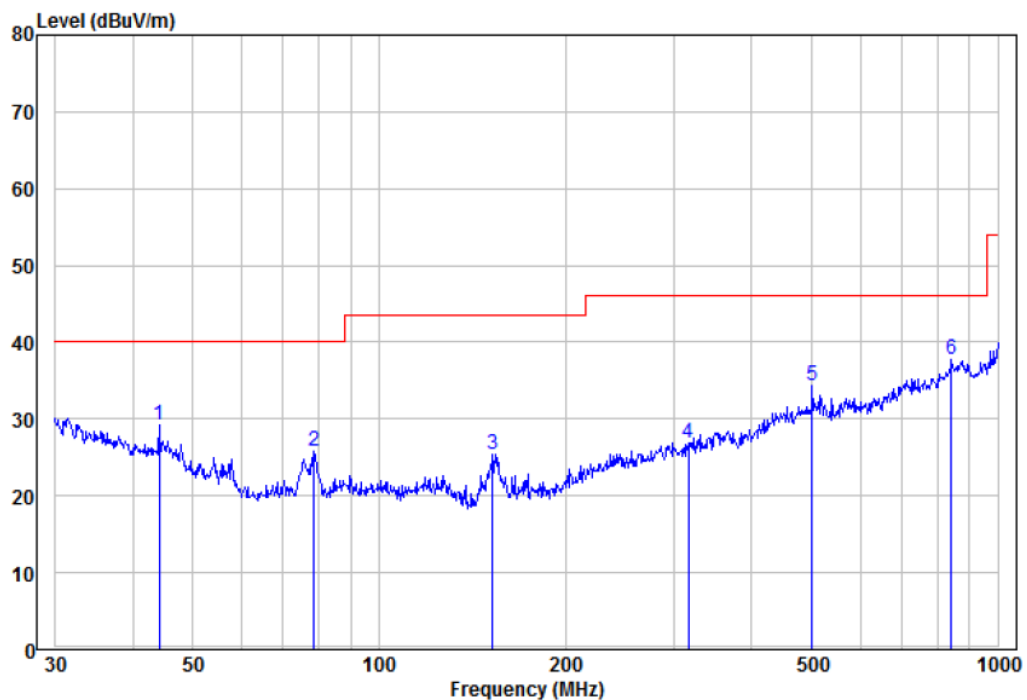
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.275	20.36	9.51	29.87	50.97	-21.10	Average	Neutral
2	0.275	25.60	9.51	35.11	60.97	-25.86	QP	Neutral
3	0.480	18.50	9.68	28.18	46.34	-18.16	Average	Neutral
4	0.480	23.40	9.68	33.08	56.34	-23.26	QP	Neutral
5	0.745	18.29	9.87	28.16	46.00	-17.84	Average	Neutral
6	0.745	23.36	9.87	33.23	56.00	-22.77	QP	Neutral
7	0.880	19.01	9.78	28.79	46.00	-17.21	Average	Neutral
8	0.880	23.69	9.78	33.47	56.00	-22.53	QP	Neutral
9	1.220	19.73	9.71	29.44	46.00	-16.56	Average	Neutral
10	1.220	24.83	9.71	34.54	56.00	-21.46	QP	Neutral
11 PP	1.330	20.25	9.72	29.97	46.00	-16.03	Average	Neutral
12 QP	1.330	25.20	9.72	34.92	56.00	-21.08	QP	Neutral

Appendix A.2: Test Plots of Radiated Emission, Below 1GHz

EUT Information

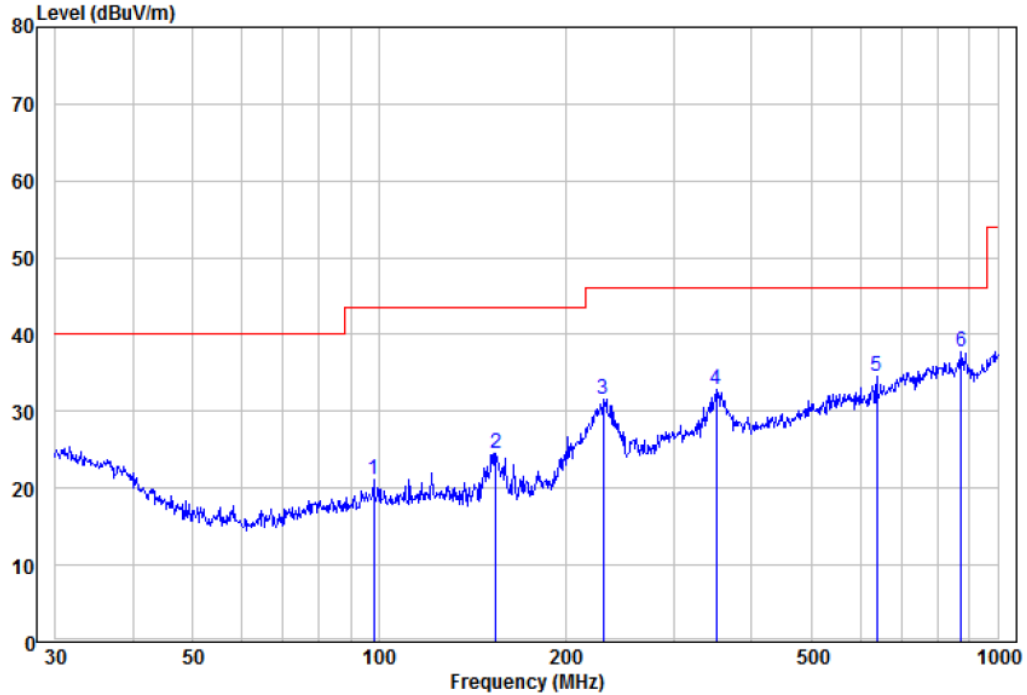
EUT Name:	Label Maker
Model:	LabelManager Executive 640CB
Test Mode:	Charging
Test Voltage:	AC 120V/60Hz
Standard:	FCC 15B
Tem./Hum./Pressure:	25.5°C/53.0%/101kPa
Remark:	3m SAC

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1/F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street,
Longhua New District,



	Read			Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm deg
1	44.12	17.65	11.54	29.19	40.00	-10.81	Peak	VERTICAL	--- 360
2	78.41	15.42	10.45	25.87	40.00	-14.13	Peak	VERTICAL	--- 360
3	152.66	15.77	9.62	25.39	43.50	-18.11	Peak	VERTICAL	--- 360
4	316.59	11.23	15.75	26.98	46.00	-19.02	Peak	VERTICAL	--- 360
5	501.18	14.06	20.31	34.37	46.00	-11.63	Peak	VERTICAL	--- 360
6 pp	842.13	10.89	26.82	37.71	46.00	-8.29	Peak	VERTICAL	--- 360

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Longhua New District,

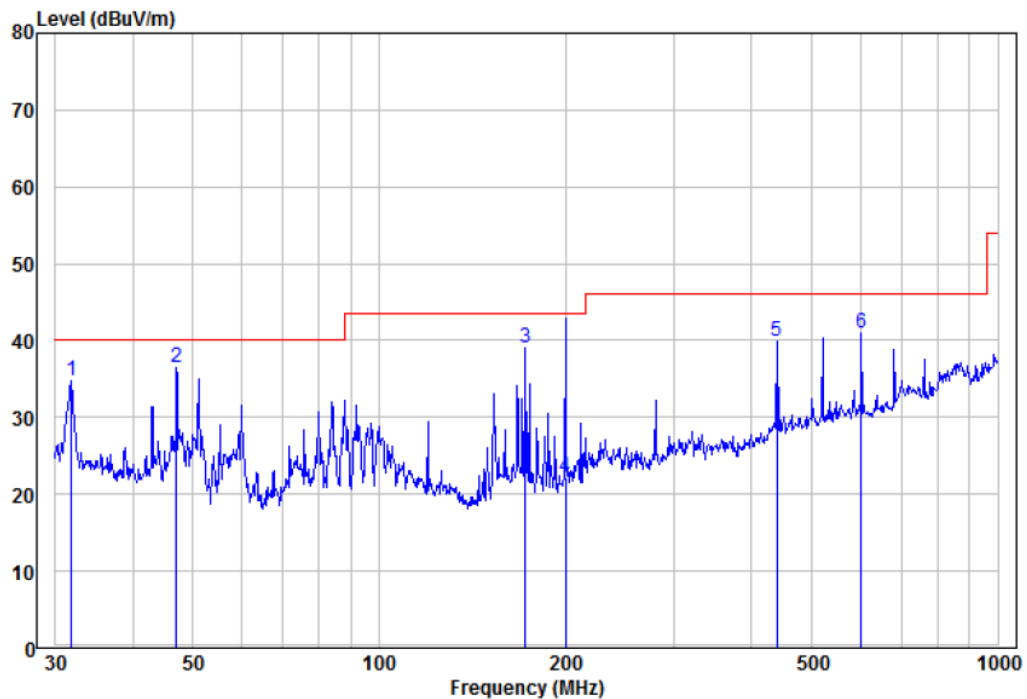


	Read			Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm deg
1	98.14	9.50	11.62	21.12	43.50	-22.38	Peak	HORIZONTAL	--- 0
2	154.28	15.01	9.52	24.53	43.50	-18.97	Peak	HORIZONTAL	--- 0
3	230.10	19.56	11.98	31.54	46.00	-14.46	Peak	HORIZONTAL	--- 0
4	350.48	16.25	16.62	32.87	46.00	-13.13	Peak	HORIZONTAL	--- 0
5	638.37	12.94	21.70	34.64	46.00	-11.36	Peak	HORIZONTAL	--- 0
6 pp	872.18	11.02	26.77	37.79	46.00	-8.21	Peak	HORIZONTAL	--- 0

EUT Information

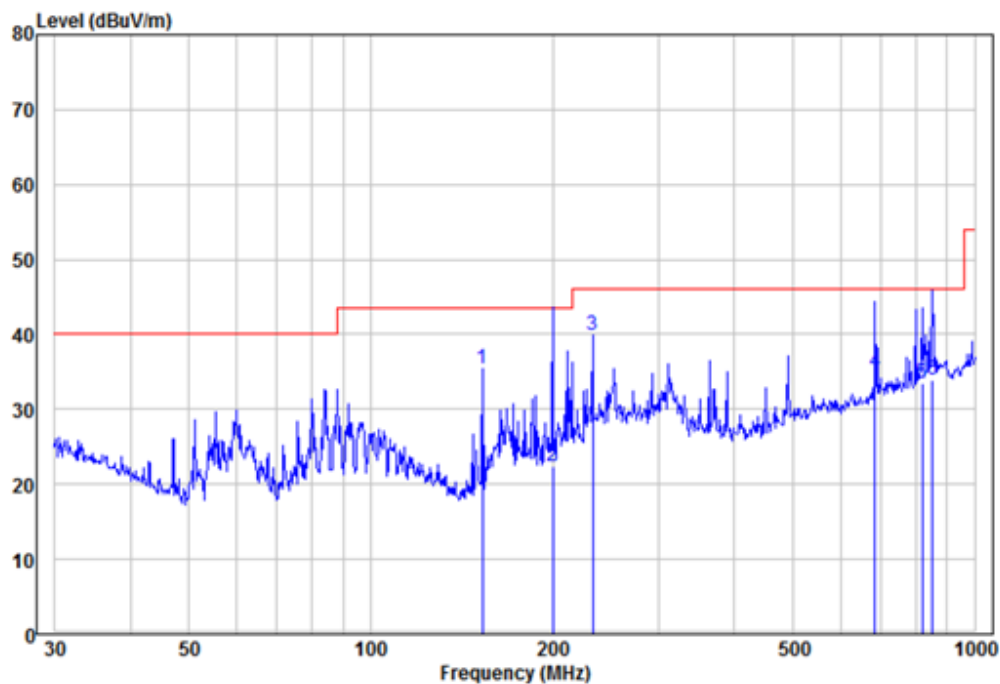
EUT Name:	Label Maker
Model:	LabelManager Executive 640CB
Test Mode:	printing via PC, printer connected to PC via Type-C port
Test Voltage:	Battery
Standard:	FCC 15B
Tem./Hum./Pressure:	25.5°C/53.0%/101kPa
Remark:	3m SAC

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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	31.84	19.08	15.69	34.77	40.00	-5.23	Peak	VERTICAL	---	358
2	46.99	26.31	10.19	36.50	40.00	-3.50	Peak	VERTICAL	---	358
3	172.60	29.81	9.21	39.02	43.50	-4.48	Peak	VERTICAL	---	358
4	199.99	12.22	10.00	22.22	43.50	-21.28	QP	VERTICAL	---	358
5	440.20	21.74	18.25	39.99	46.00	-6.01	Peak	VERTICAL	---	358
6	601.43	19.84	21.06	40.90	46.00	-5.10	Peak	VERTICAL	---	358

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1/F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street,
Longhua New District,

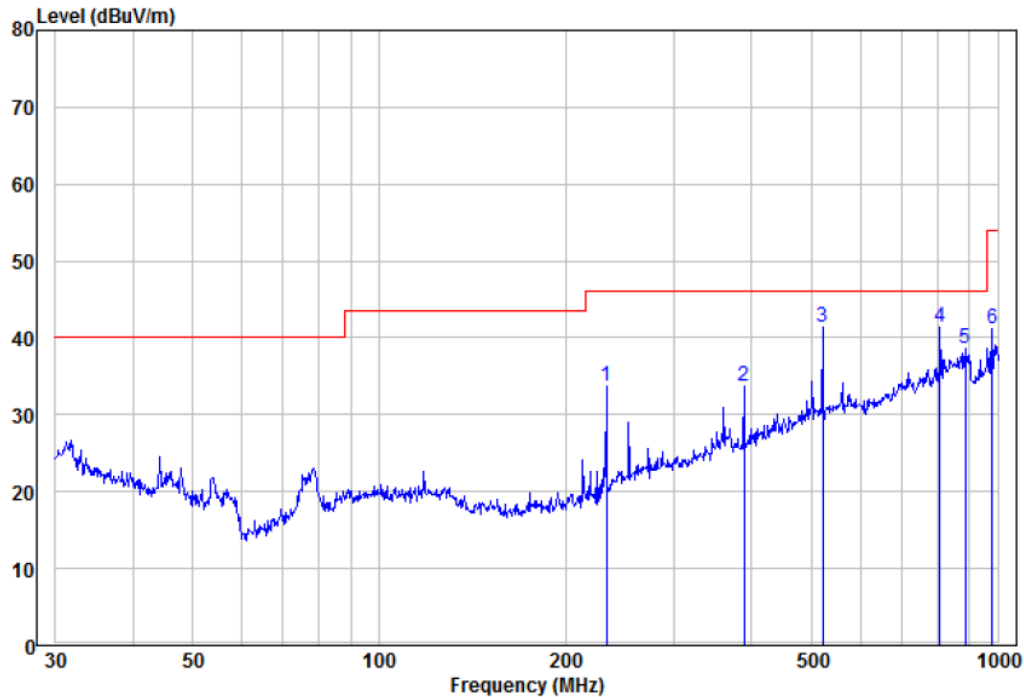


		Read			Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	153.20	25.79	9.59	35.38	43.50	-8.12	Peak	HORIZONTAL	---	320
2	199.99	12.41	10.00	22.41	43.50	-21.09	QP	HORIZONTAL	---	320
3 pp	233.35	27.45	12.35	39.80	46.00	-6.20	Peak	HORIZONTAL	---	320
4 qp	684.75	12.42	22.60	35.02	46.00	-10.98	QP	HORIZONTAL	---	320
5	818.83	7.80	25.80	33.60	46.00	-12.40	QP	HORIZONTAL	---	320
6	851.04	7.04	26.81	33.85	46.00	-12.15	QP	HORIZONTAL	---	320

EUT Information

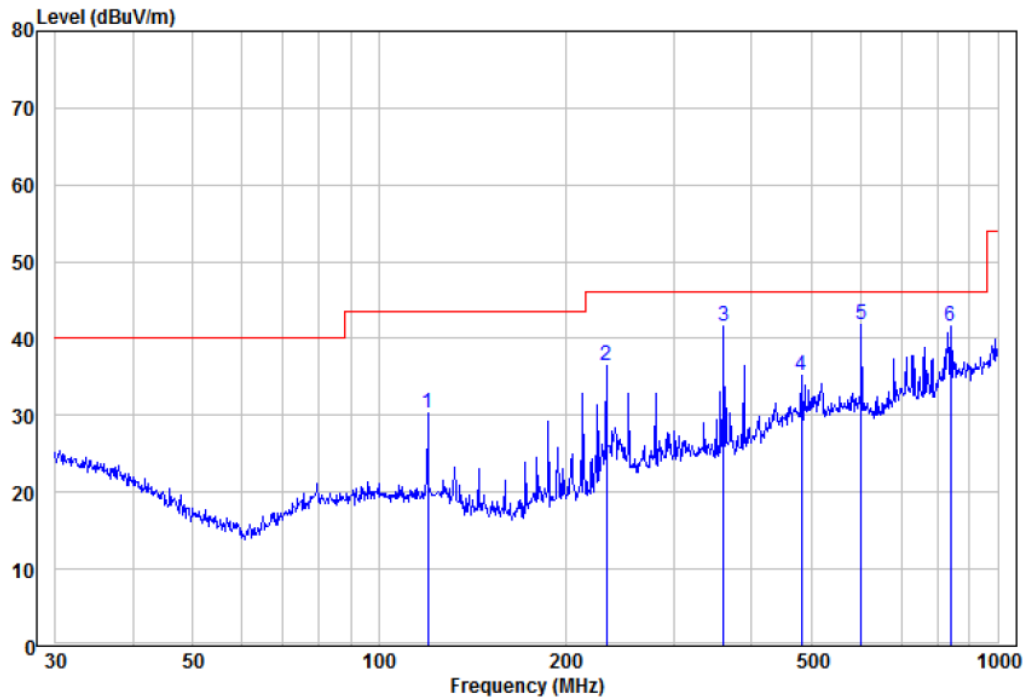
EUT Name: Label Maker
Model: LabelManager Executive 640CB
Test Mode: printing via keyboard input
Test Voltage: Battery
Standard: FCC 15B
Tem./Hum./Pressure: 25.5°C/53.0%/101kPa
Remark: 3m SAC

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	Read Freq	Level	Factor	Level	Limit	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	233.35	21.45	12.35	33.80	46.00	-12.20	Peak	VERTICAL	---	360
2	389.35	17.01	16.61	33.62	46.00	-12.38	Peak	VERTICAL	---	360
3 pp	520.89	20.79	20.58	41.37	46.00	-4.63	Peak	VERTICAL	---	360
4	807.43	15.53	25.79	41.32	46.00	-4.68	Peak	VERTICAL	---	360
5	887.61	11.98	26.73	38.71	46.00	-7.29	Peak	VERTICAL	---	360
6	979.18	14.03	27.16	41.19	54.00	-12.81	Peak	VERTICAL	---	360

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Longhua New District,

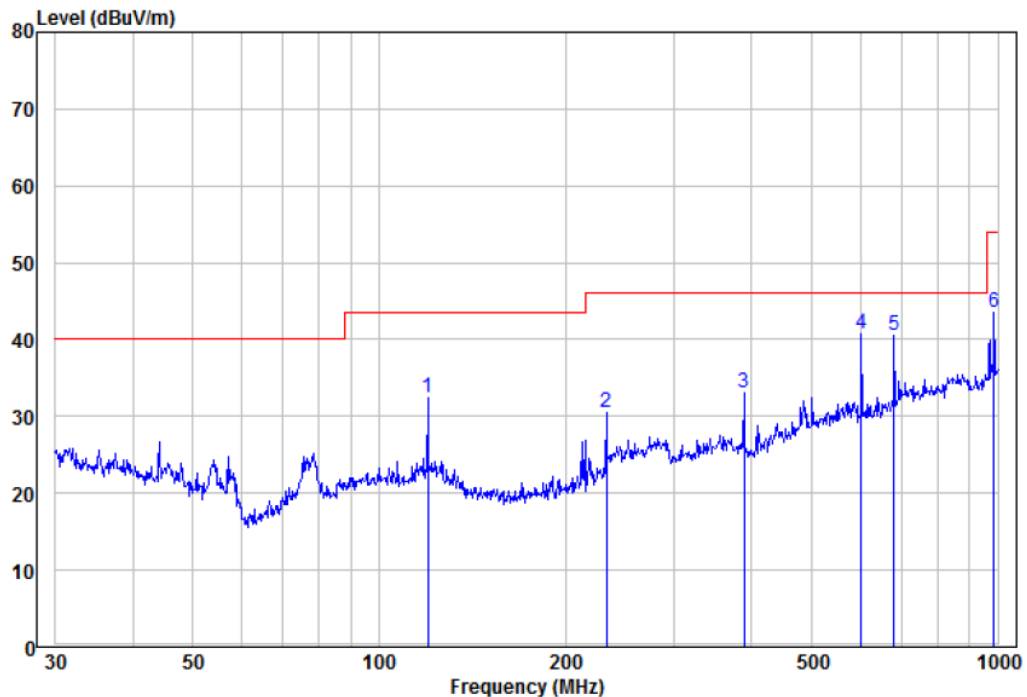


		Read			Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	119.86	18.45	11.88	30.33	43.50	-13.17	Peak	HORIZONTAL	---	0
2	233.35	24.20	12.35	36.55	46.00	-9.45	Peak	HORIZONTAL	---	0
3	360.45	24.79	16.87	41.66	46.00	-4.34	Peak	HORIZONTAL	---	0
4	482.22	15.55	19.68	35.23	46.00	-10.77	Peak	HORIZONTAL	---	0
5 pp	601.43	20.85	21.06	41.91	46.00	-4.09	Peak	HORIZONTAL	---	0
6	839.18	14.85	26.81	41.66	46.00	-4.34	Peak	HORIZONTAL	---	0

EUT Information

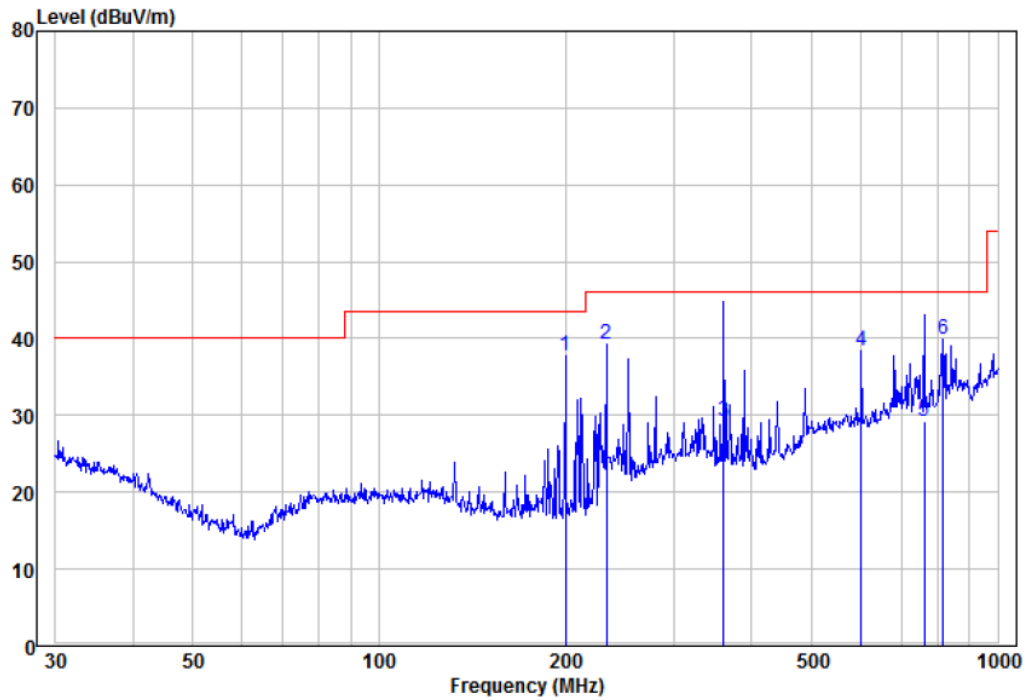
EUT Name: Label Maker
Model: LabelManager Executive 640CB
Test Mode: printing via mobile phone, printer connected to mobile phone via Bluetooth
Test Voltage: Battery
Standard: FCC 15B
Tem./Hum./Pressure: 25.5°C/53.0%/101kPa
Remark: 3m SAC

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		Read			Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	119.86	20.62	11.88	32.50	43.50	-11.00	Peak	VERTICAL	---	0
2	233.35	18.09	12.35	30.44	46.00	-15.56	Peak	VERTICAL	---	0
3	389.35	16.47	16.61	33.08	46.00	-12.92	Peak	VERTICAL	---	0
4 pp	601.43	19.73	21.06	40.79	46.00	-5.21	Peak	VERTICAL	---	0
5	679.96	18.11	22.51	40.62	46.00	-5.38	Peak	VERTICAL	---	0
6	986.07	16.20	27.34	43.54	54.00	-10.46	Peak	VERTICAL	---	0

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		Read		Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm deg
1	pp	199.99	27.69	10.00	37.69	43.50	-5.81 Peak	HORIZONTAL	--- 359
2		233.35	26.84	12.35	39.19	46.00	-6.81 Peak	HORIZONTAL	--- 359
3	qp	360.45	12.34	16.87	29.21	46.00	-16.79 QP	HORIZONTAL	--- 359
4		601.43	17.34	21.06	38.40	46.00	-7.60 Peak	HORIZONTAL	--- 359
5		760.70	4.84	24.30	29.14	46.00	-16.86 QP	HORIZONTAL	--- 359
6		815.97	14.01	25.79	39.80	46.00	-6.20 Peak	HORIZONTAL	--- 359

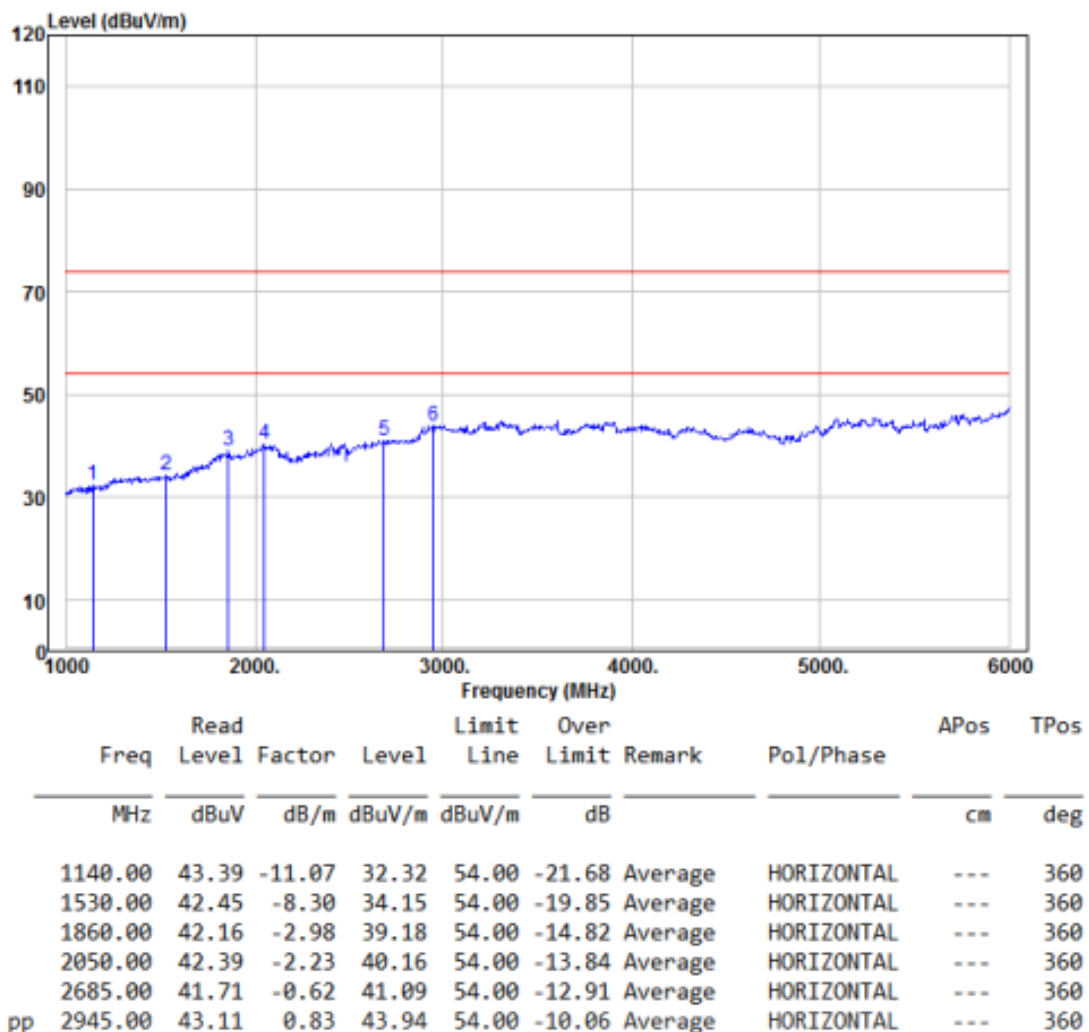
Appendix A.3: Test Plots of Radiated Emission, Above 1GHz

Note: Testing was carried out within frequency range 30MHz to the 5th harmonics. The measurement results above 6GHz were greater than 20dB below the limit, so only record the test result within the 30MHz to 6GHz.

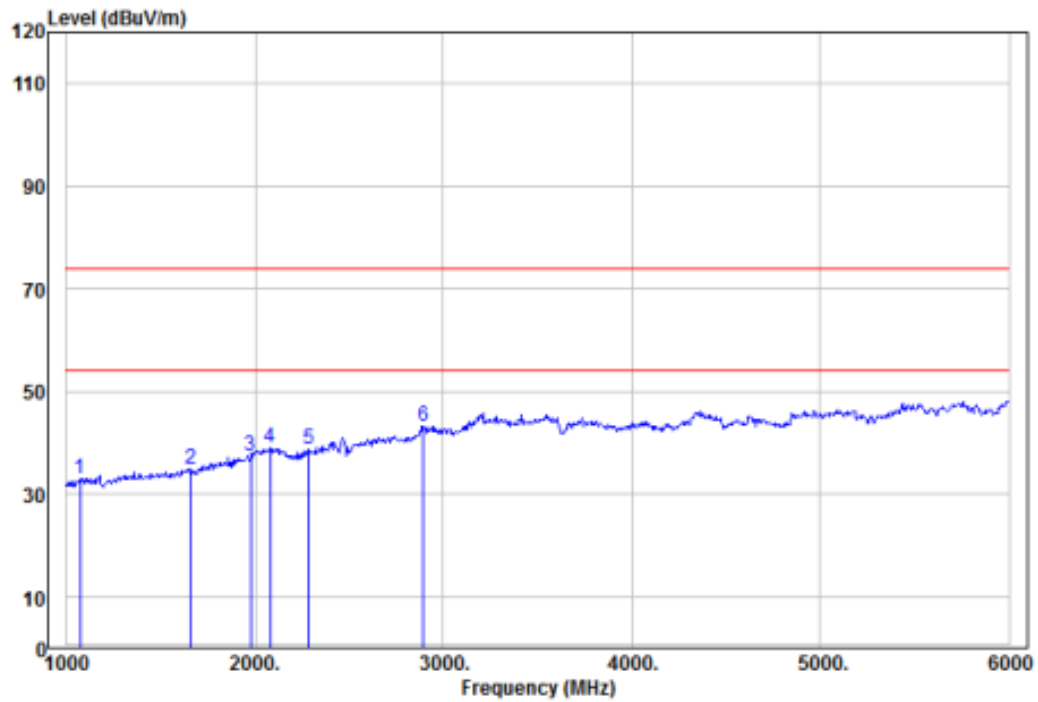
EUT Information

EUT Name:	Label Maker
Model:	LabelManager Executive 640CB
Test Mode:	printing via mobile phone, printer connected to mobile phone via Bluetooth
Test Voltage:	Battery
Standard:	FCC 15B
Tem./Hum./Pressure:	25.5°C/53.0%/101kPa
Remark:	3m FAC

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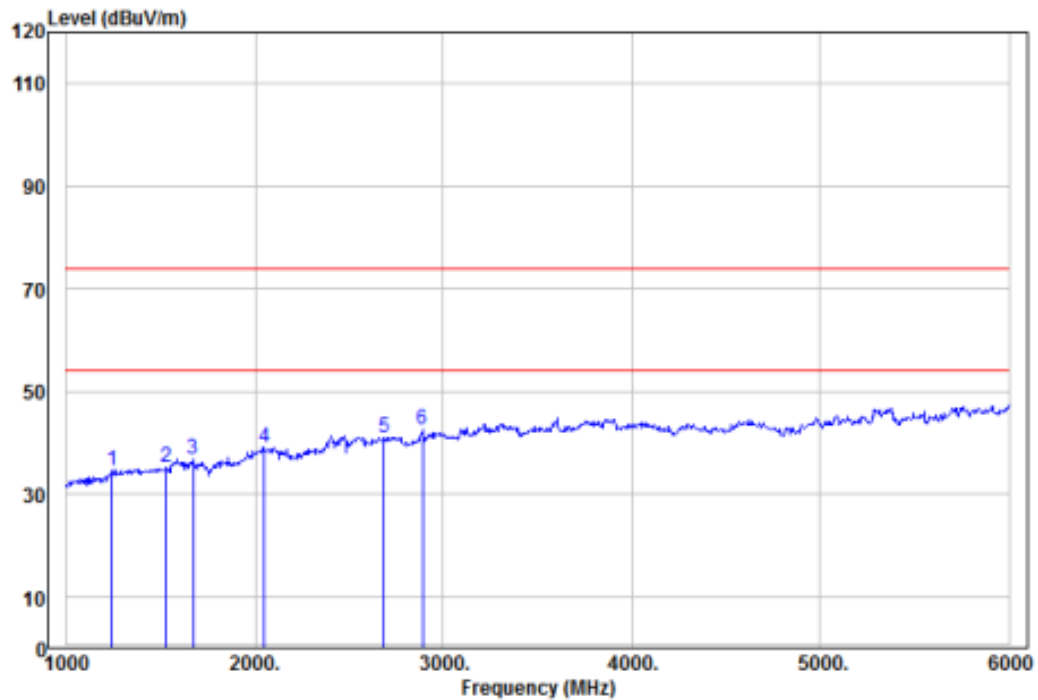


		Read			Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	1070.00	44.46	-11.49	32.97	54.00	-21.03	Average	VERTICAL	---	0
2	1660.00	41.33	-6.40	34.93	54.00	-19.07	Average	VERTICAL	---	0
3	1975.00	39.67	-2.10	37.57	54.00	-16.43	Average	VERTICAL	---	0
4	2080.00	41.41	-2.46	38.95	54.00	-15.05	Average	VERTICAL	---	0
5	2285.00	42.20	-3.41	38.79	54.00	-15.21	Average	VERTICAL	---	0
6 pp	2895.00	42.73	0.45	43.18	54.00	-10.82	Average	VERTICAL	---	0

EUT Information

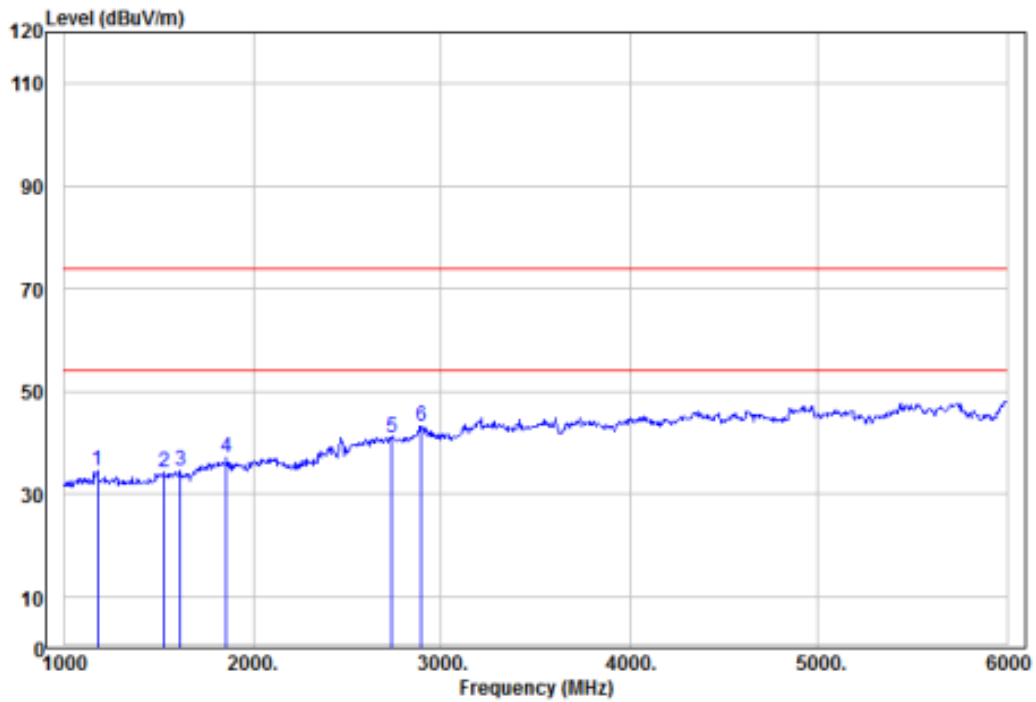
EUT Name: Label Maker
Model: LabelManager Executive 640CB
Test Mode: printing via keyboard input
Test Voltage: Battery
Standard: FCC 15B
Tem./Hum./Pressure: 25.5°C/53.0%/101kPa
Remark: 3m SAC

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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	1240.00	44.64	-10.04	34.60	54.00	-19.40	Average	HORIZONTAL	---	360
2	1530.00	43.45	-8.30	35.15	54.00	-18.85	Average	HORIZONTAL	---	360
3	1670.00	42.90	-6.17	36.73	54.00	-17.27	Average	HORIZONTAL	---	360
4	2050.00	41.39	-2.23	39.16	54.00	-14.84	Average	HORIZONTAL	---	360
5	2685.00	41.71	-0.62	41.09	54.00	-12.91	Average	HORIZONTAL	---	360
6 pp	2890.00	41.98	0.44	42.42	54.00	-11.58	Average	HORIZONTAL	---	360

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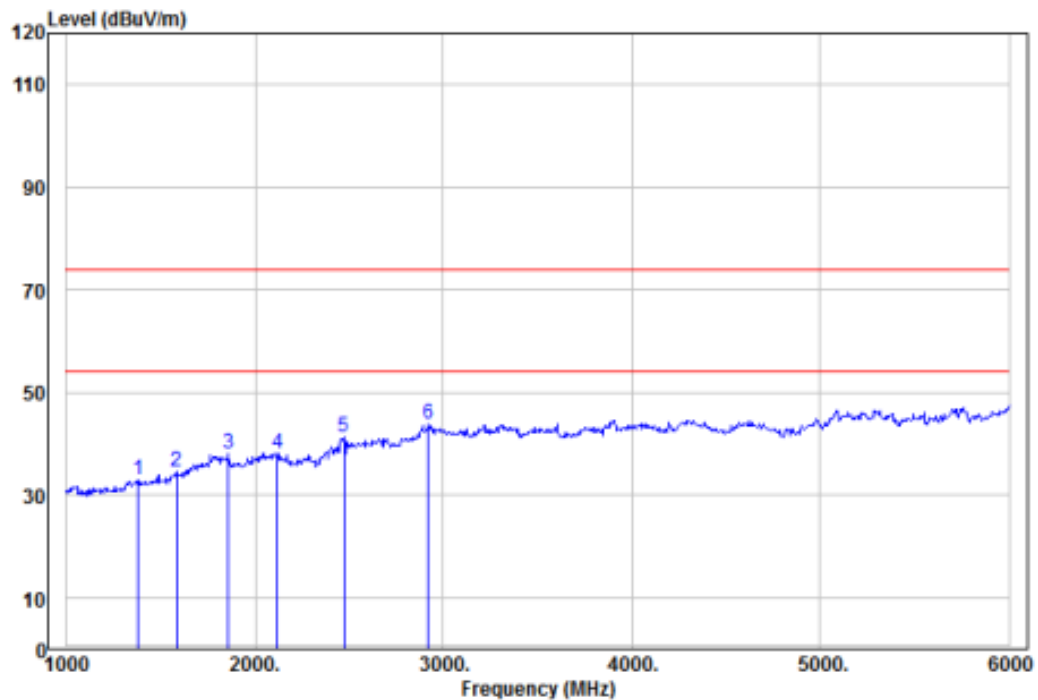


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	1175.00	45.54	-10.90	34.64	54.00	-19.36	Average	VERTICAL	---	0
2	1530.00	42.40	-8.30	34.10	54.00	-19.90	Average	VERTICAL	---	0
3	1615.00	41.73	-7.27	34.46	54.00	-19.54	Average	VERTICAL	---	0
4	1860.00	40.10	-2.98	37.12	54.00	-16.88	Average	VERTICAL	---	0
5	2735.00	41.57	-0.48	41.09	54.00	-12.91	Average	VERTICAL	---	0
6 pp	2895.00	42.73	0.45	43.18	54.00	-10.82	Average	VERTICAL	---	0

EUT Information

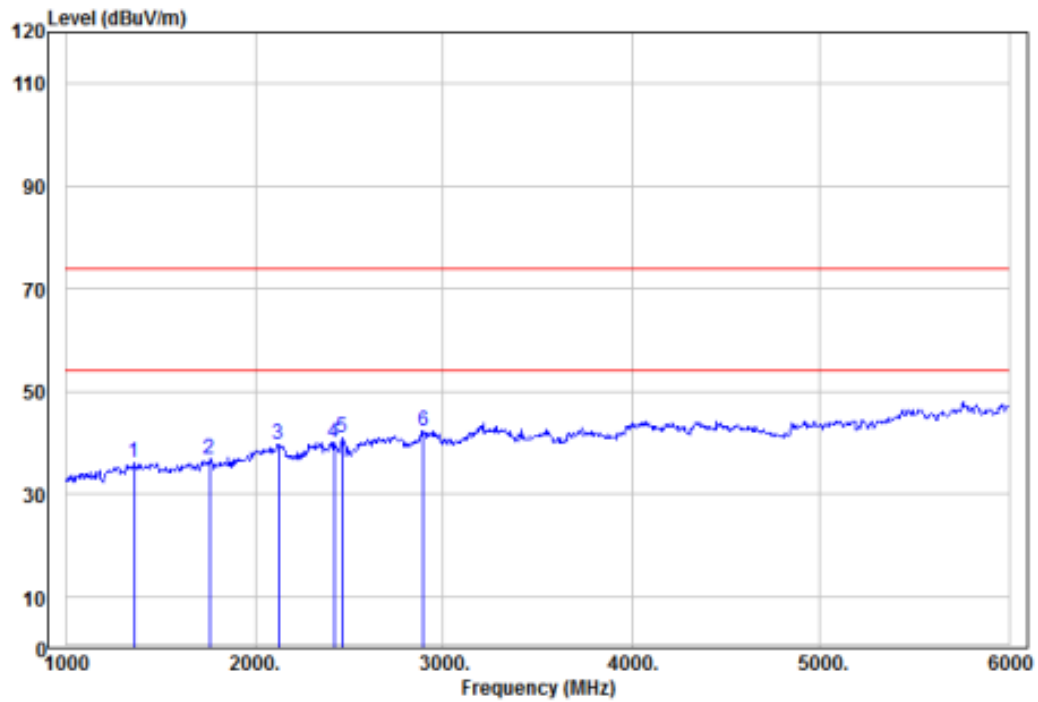
EUT Name: Label Maker
Model: LabelManager Executive 640CB
Test Mode: printing via PC, printer connected to PC via Type-C port
Test Voltage: Battery
Standard: FCC 15B
Tem./Hum./Pressure: 25.5°C/53.0%/101kPa
Remark: 3m SAC

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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	1380.00	41.81	-8.96	32.85	54.00	-21.15	Average	HORIZONTAL	---	360
2	1585.00	42.40	-7.75	34.65	54.00	-19.35	Average	HORIZONTAL	---	360
3	1860.00	41.16	-2.98	38.18	54.00	-15.82	Average	HORIZONTAL	---	360
4	2120.00	40.90	-2.88	38.02	54.00	-15.98	Average	HORIZONTAL	---	360
5	2470.00	43.68	-2.28	41.40	54.00	-12.60	Average	HORIZONTAL	---	360
6 pp	2920.00	43.13	0.63	43.76	54.00	-10.24	Average	HORIZONTAL	---	360

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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	1360.00	45.20	-8.97	36.23	54.00	-17.77	Average	VERTICAL	---	0
2	1760.00	41.59	-4.72	36.87	54.00	-17.13	Average	VERTICAL	---	0
3	2125.00	42.64	-2.94	39.70	54.00	-14.30	Average	VERTICAL	---	0
4	2420.00	42.75	-2.61	40.14	54.00	-13.86	Average	VERTICAL	---	0
5	2465.00	43.37	-2.30	41.07	54.00	-12.93	Average	VERTICAL	---	0
6 pp	2895.00	41.73	0.45	42.18	54.00	-11.82	Average	VERTICAL	---	0