

TEST REPORT

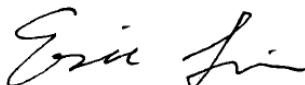
Application No.: KSCR2303000345AT
FCC ID: 2BAML-SDS5X0
IC: 30854-SDS5X0
Applicant: SCAN COIN AB
Address of Applicant: NORDENSKIÖLDGATAN 24, 211 19 Malmö, Sweden
Manufacturer: SCAN COIN AB
Address of Manufacturer: NORDENSKIÖLDGATAN 24, 211 19 Malmö, Sweden
Factory: WEIHAI NEW BEIYANG RONGXIN TECHNOLOGY CO., LTD
Address of Factory: NO.126 KUNLUN ROAD, HUANCUI DISTRICT, WEIHAI, SHANDONG, CHINA

Equipment Under Test (EUT):

EUT Name: Smart Deposit Safe
Model No.: SDS-500, SDS-520, SDS-550 ♦
HVIN: SDS500N, SDS500RN, SDS520N, SDS520RN, SDS550N, SDS550RN
♦
Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: PayComplete
Standard(s) : 47 CFR Part 15, Subpart C 15.225
RSS-210 issue 10 Amendment 1
RSS-Gen Issue5 Amendment 2
Date of Receipt: 2023-03-06
Date of Test: 2023-03-16 to 2023-03-21
Date of Issue: 2023-10-23

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



Eric Lin
Laboratory Manager



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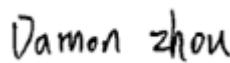
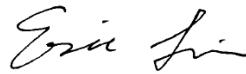
Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR230300034501

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Revision Record

Version	Description	Date	Remark
00	Original	2023-10-23	/

Authorized for issue by:**Damon Zhou/Project Engineer****Eric Lin /Reviewer**

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2 Test Summary

Radio Spectrum Technical Requirement				
Item	FCC Requirement	IC Requirement	Method	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.225	RSS-Gen Section 6.8	N/A	Customer Declaration

Radio Spectrum Matter Part				
Item	FCC Requirement	IC Requirement	Method	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.225	RSS-Gen Section 8.8	ANSI C63.10 (2013) Section 6.2	Pass
20dB Bandwidth	47 CFR Part 15, Subpart C 15.225	/	ANSI C63.10 (2013) Section 6.9	Pass
Emission Mask	47 CFR Part 15, Subpart C 15.225	RSS-210 B6 (a)	ANSI C63.10 (2013) Section 6.4	Pass*
Frequency tolerance	47 CFR Part 15, Subpart C 15.225	RSS-Gen Section 8.11	ANSI C63.10 (2013) Section 6.8	Pass
Radiated Emissions(9kHz-30MHz)	47 CFR Part 15, Subpart C 15.225	RSS-Gen Section 8.9	ANSI C63.10 (2013) Section 6.4&6.5	Pass
Radiated Emissions(30MHz-1GHz)	47 CFR Part 15, Subpart C 15.225	RSS-Gen Section 8.9	ANSI C63.10 (2013) Section 6.4&6.5	Pass
99% Bandwidth	/	RSS-Gen Section 6.7	RSS-Gen Section 6.7	Pass

Remark: Pass*: Please refer to Section 7.3 of this report for details.

There are series models mentioned in this report and they are the similar in electrical and electronic characters. After Pre-scan all configurations, Only the model SDS-550 (HVIN: SDS550RN) was the worst and recorded since their differences are model number, machine dimension, electronic lock, the size of safe and cash bag. Each model comes with RFID optional. There are two possible options: with NFC only, with RFID and NFC.

	NFC+RFID	NFC
HVIN	SDS500RN, SDS520RN, SDS550RN	SDS500N, SDS520N, SDS550N

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Compliance Certification Services (Kunshan) Inc.

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4 General Information

4.1 Details of E.U.T.

Power supply:	AC 100-240V,2.5A,50/60Hz
Operation Frequency:	13.56MHz
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Test Voltage:	AC 120V/60Hz

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	25	AC 120

Note:
NV:Normal Voltage LV:Low Extreme Test Voltage HV:High Extreme Test Voltage
NT:Normal Temperature LT:Low Extreme Test Temperature HT:High Extreme Test Temperature

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
NFC Card	PayComplete	/	/



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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4×10^{-8}
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

- **ISED**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

- **VCCI**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

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5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals (150kHz-30MHz)						
1	EMI Test Receive	R&S	ESCI	KS301101	02/03/2023	02/02/2024
2	LISN	R&S	ENV216	KS301197	01/17/2023	01/16/2024
3	LISN	Schwarzbeck	NNLK 8129	KS301091	01/17/2023	01/16/2024
4	Pulse Limiter	R&S	ESH3-Z2	KUS1902E001	01/17/2023	01/16/2024
5	CE test Cable	Thermax	/	CZ301102	01/17/2023	01/16/2024
6	Test Software	Farad	EZ-EMC	/	N.C.R	N.C.R
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	04/01/2022	03/31/2023
3	Signal Generator	Agilent	E8257C	KS301066	08/22/2022	08/21/2023
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	04/13/2021	04/12/2023
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
6	Bilog Antenna	SCHWARZBECK	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	04/02/2022	04/01/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/20/2023	02/19/2024
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	03/15/2023	03/14/2024
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/17/2023	01/16/2024
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	02/20/2023	02/19/2024
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	11/12/2022	11/11/2023
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	01/04/2022	03/31/2023
14	Software	Faratronic	EZ_EMCA-v3A1	/	N/A	N/A

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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is Coil antenna and no consideration of replacement.

Antenna location: Refer to Internal photos



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7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215

Test Method: ANSI C63.10 (2013) Section 6.9

7.1.1 E.U.T. Operation

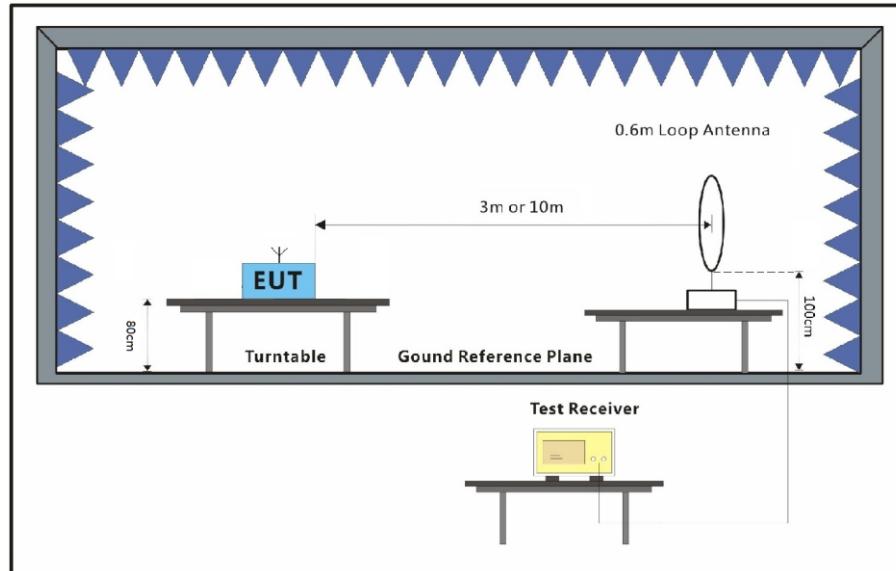
Operating Environment:

Temperature: 23 °C Humidity: 45 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.2 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

7.2.1 E.U.T. Operation

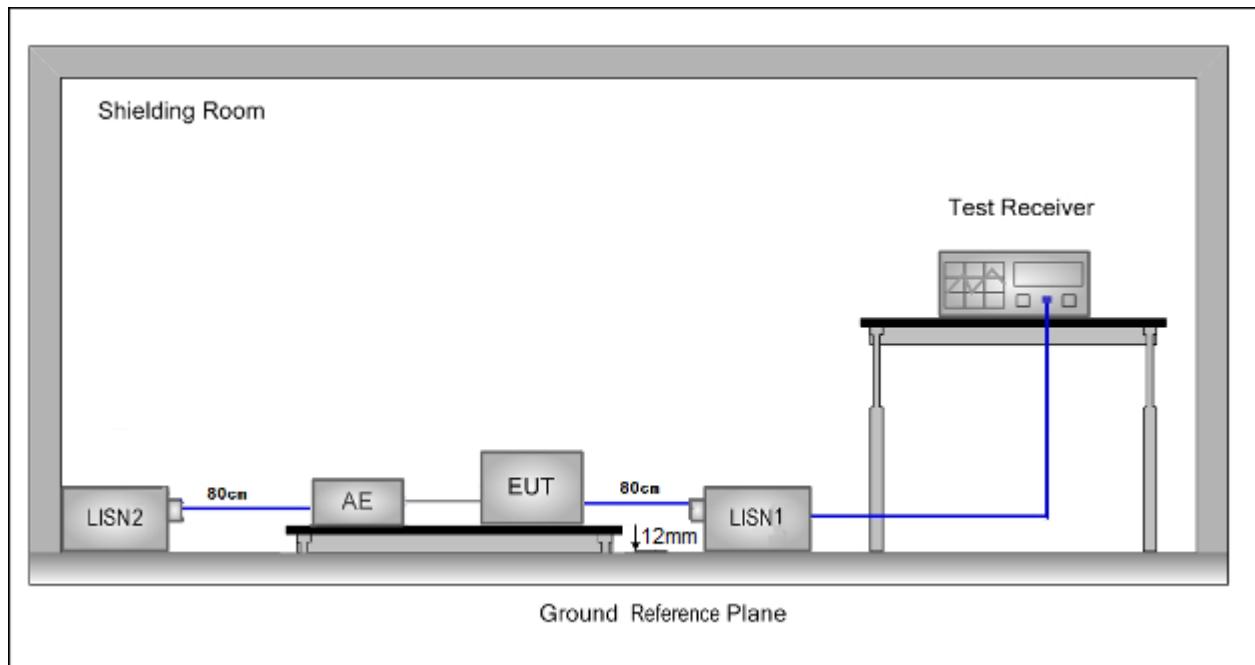
Operating Environment:

Temperature: 23 °C Humidity: 45.1 % RH Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

7.2.3 Test Setup Diagram



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7.2.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



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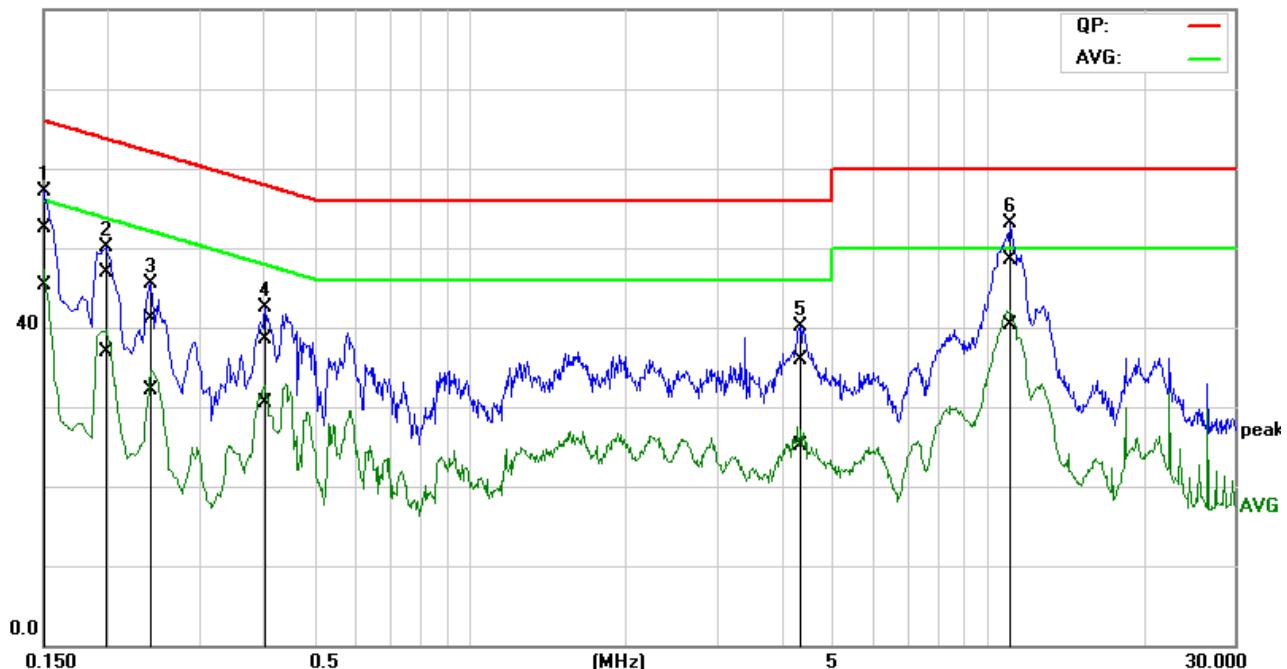
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Test Mode: 00; Line: Live line

80.0 dBuV



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	32.94	25.83	19.50	52.44	45.33	66.00	56.00	-13.56	-10.67	Pass
2	0.1980	27.35	17.38	19.50	46.85	36.88	63.69	53.69	-16.84	-16.81	Pass
3	0.2420	21.58	12.58	19.50	41.08	32.08	62.03	52.03	-20.95	-19.95	Pass
4	0.4020	19.01	10.90	19.54	38.55	30.44	57.81	47.81	-19.26	-17.37	Pass
5	4.3500	16.10	5.38	19.78	35.88	25.16	56.00	46.00	-20.12	-20.84	Pass
6*	11.0460	28.47	20.14	20.08	48.55	40.22	60.00	50.00	-11.45	-9.78	Pass

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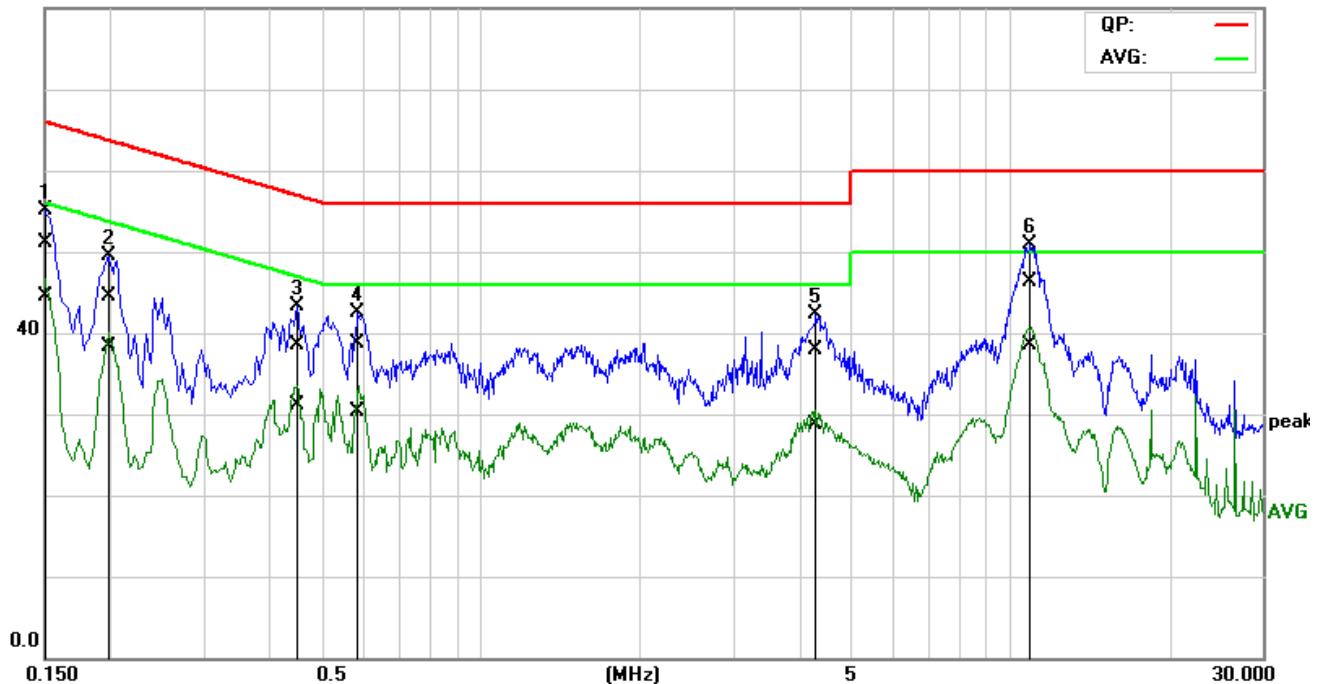
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Test Mode: 00; Line: Neutral Line

80.0 dBuV



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	31.57	25.07	19.48	51.05	44.55	66.00	56.00	-14.95	-11.45	Pass
2	0.1980	25.06	18.73	19.49	44.55	38.22	63.69	53.69	-19.14	-15.47	Pass
3	0.4500	19.00	11.50	19.55	38.55	31.05	56.88	46.88	-18.33	-15.83	Pass
4	0.5860	19.09	10.70	19.56	38.65	30.26	56.00	46.00	-17.35	-15.74	Pass
5	4.3060	18.08	8.88	19.77	37.85	28.65	56.00	46.00	-18.15	-17.35	Pass
6	10.9220	26.15	18.48	20.07	46.22	38.55	60.00	50.00	-13.78	-11.45	Pass

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7.3 Emission Mask

Test Requirement 47 CFR Part 15, Subpart C 15.225(a)&(b)&(C)

Test Method: ANSI C63.10 (2013) Section 6.4

Limit:

- (a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

Below 30MHz

The limit at 30m test distance is below:

$$FS_{\text{limit}} = FS_{\text{max}} - 40 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

where

FS_{limit} is the calculation of field strength at the limit distance, expressed in dB μ V/m

FS_{max} is the measured field strength, expressed in dB μ V/m

d_{measure} is the distance of the measurement point from the EUT

d_{limit} is the reference distance or the distance of the $\lambda/2\pi$ point

The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 84dB μ V/m at 30 meters.

Remark: The test level of the fundamental signal is below the limit of general spurious emission, so the test item doesn't be performed."



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7.4 Frequency tolerance

Test Requirement 47 CFR Part 15, Subpart C 15.225(e)
Test Method: ANSI C63.10 (2013) Section 6.8
Limit: ± 0.01

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 45.2 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

7.4.3 Measurement Procedure and Data

The EUT was placed in an environmental test chamber and powered such that control element received normal voltage and the transmitter provided maximum RF output.

Please Refer to Appendix for Details



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7.5 Radiated Emissions (30MHz-1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.225(d) & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4&6.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

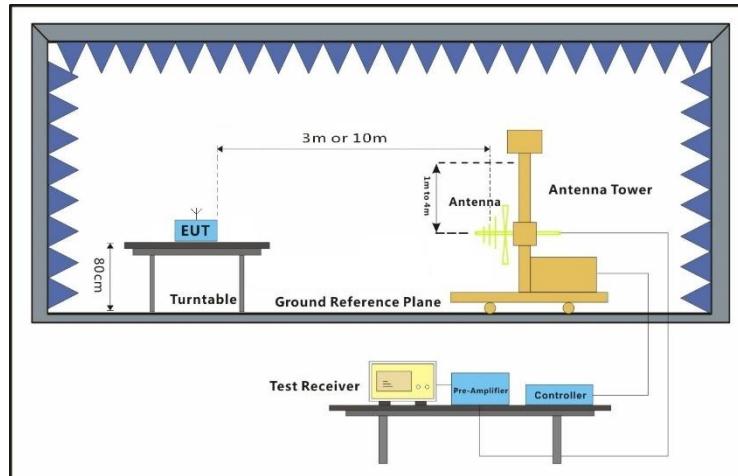
7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 42 % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

7.5.3 Test Setup Diagram

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7.5.4 Measurement Procedure and Data

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Please Refer to Appendix for Details



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7.6 Radiated Emissions (9kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.225(d) & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4&6.5

Limit:

Frequency(MHz)	Field strength (microvolts/meter)	Limit (dBuV/m)	Detector	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	-	-	300
0.490-1.705	24000/F(kHz)	-	-	30
1.705-30	30	-	-	30

Below 30MHz

If field strength is measured at only a single point, then that point shall be at the radial from the EUT that produces the maximum emission at the frequency being measured, as described in 5.4. If that point is closer to the EUT than $\lambda/2\pi$ and the limit distance is greater than $\lambda/2\pi$, the measurement shall be extrapolated to the limit distance by conservatively presuming that the field strength decreases at a 40 dB/decade of distance rate to the $\lambda/2\pi$ distance, and at a 20 dB/decade of distance rate beyond $\lambda/2\pi$. This shall be accomplished using Equation (2):

$$FS_{(10m)} = FS_{(30/300m)} + 40\log\{d_{(near field)}/d_{(10m)}\} + 20\log\{d_{(30/300m)}/d_{(near field)}\} \quad (2)$$

If the single point measured is at a distance greater than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (3):

$$FS_{(10m)} = FS_{(30/300m)} + 20\log\{d_{(30/300m)}/d_{(10m)}\} \quad (3)$$

If both the single point and the limit distance are equal to or closer to the EUT than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (4):

$$FS_{(10m)} = FS_{(30/300m)} + 40\log\{d_{(30/300m)}/d_{(10m)}\} \quad (4)$$

Remark:

$$d_{near field} = 47.77 / f_{MHz}$$

where f_{MHz} is the frequency of the emission being measured in MHz.

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor



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$$FS_{\text{limit}} = FS_{\text{max}} - 40 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

where

FS_{limit} is the calculation of field strength at the limit distance, expressed in dB μ V/m
 FS_{max} is the measured field strength, expressed in dB μ V/m
 d_{measure} is the distance of the measurement point from the EUT
 d_{limit} is the reference distance or the distance of the $\lambda/2\pi$ point

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7.6.1 E.U.T. Operation

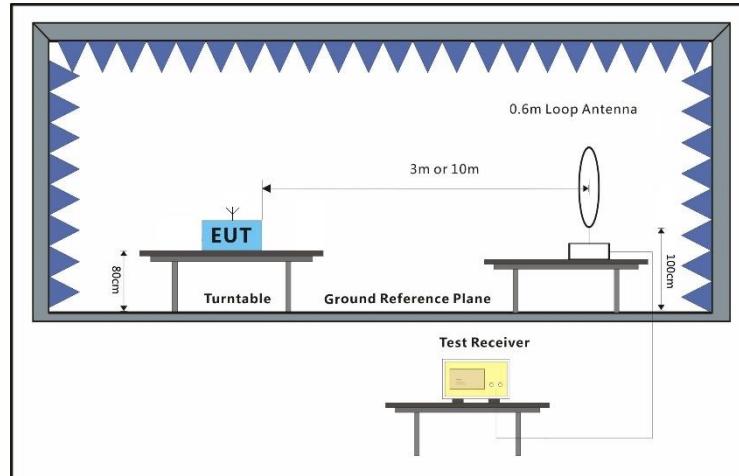
Operating Environment:

Temperature: 22 °C Humidity: 45 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.

Please Refer to Appendix for Details



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7.7 99% Bandwidth

Test Requirement RSS-Gen Section 6.7

Test Method: RSS-Gen Issue 5 Amendment 2 (February 2021) Section 6.7

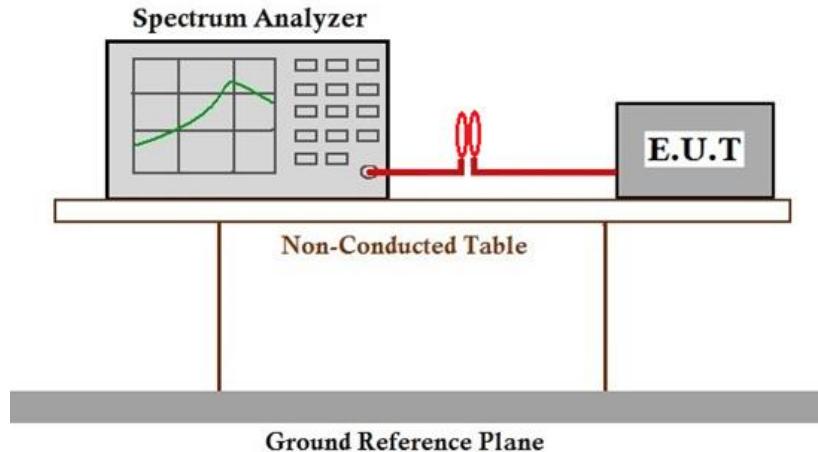
7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 21 °C Humidity: 45 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting mode

7.7.3 Test Setup Diagram**7.7.4 Measurement Procedure and Data**

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2303000345AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2303000345AT



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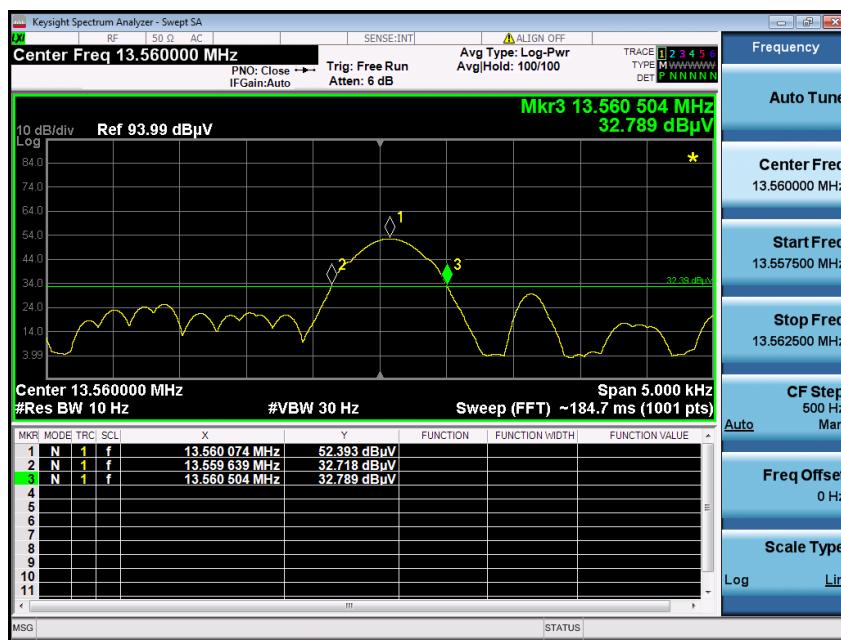
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10 Appendix

20dB Bandwidth

20dB bandwidth (kHz)	F _L (MHz)	F _H (MHz)	Limit(MHz)	Result
0.865	13.5596	13.5605	13.110 – 14.010	Pass

Test plot as follows:



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99% Bandwidth

99% bandwidth (kHz)	F _L (MHz)	F _H (MHz)	Limit(MHz)	Result
0.802	13.5597	13.5605	13.110 – 14.010	Pass

Test plot as follows:


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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR230300034501

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Frequency tolerance

Nominal Operation Frequency: 13.56MHz

Test Conditions		Test Result (MHz)	Deviation (kHz)	Limit (kHz)	Result
Temp (°C)	Volt (V AC)				
T _{nom} (-20)	V _{nom} (120)	13.55864	-1.36	±0.01% (1.3560kHz)	Pass
T _{nom} (-10)	V _{nom} (120)	13.55868	-1.32		Pass
T _{nom} (0)	V _{nom} (120)	13.55865	-1.35		Pass
T _{nom} (10)	V _{nom} (120)	13.55860	-1.40		Pass
T _{nom} (20)	V _{nom} (120)	13.55863	-1.37		Pass
T _{nom} (30)	V _{nom} (120)	13.55858	-1.42		Pass
T _{nom} (40)	V _{nom} (120)	13.55854	-1.46		Pass
T _{nom} (50)	V _{nom} (120)	13.55856	-1.44		Pass
T _{nom} (20)	V _{min} (102)	13.55860	-1.40		Pass
	V _{max} (138)	13.55862	-1.38		Pass

Note: Deviation (kHz) = (Test Result-13.56MHz)*1000



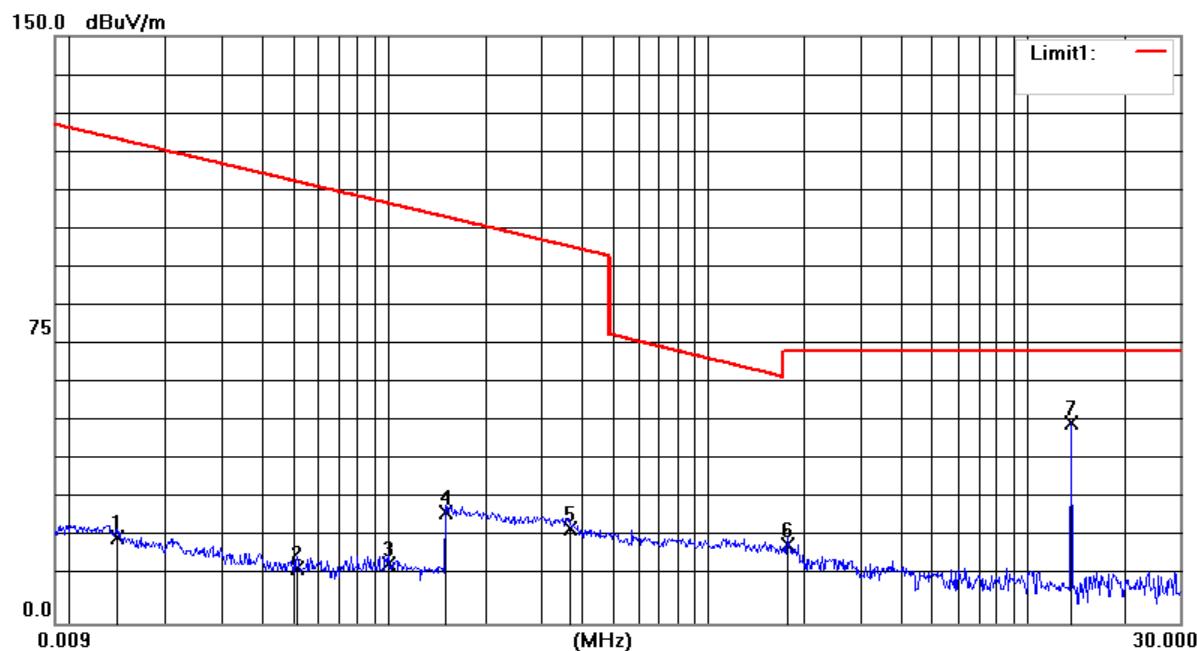
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Radiated Emissions(9kHz-30MHz)



Item	Freq.	Read Level	Correct Factor	Result Level@3m	Result Level@SPEC	Limit Line@SPEC	Over Limit	Detector	Polarity
(Mark)	(MHz)	(dB μ V)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)		
1	0.0140	6.33	15.73	22.06	-57.94	43.78	-101.72	QP	Coplanar
2	0.0514	-0.33	14.53	14.20	-65.8	32.81	-98.61	QP	Coplanar
3	0.0990	0.87	14.49	15.36	-64.64	27.29	-91.93	QP	Coplanar
4	0.1500	13.89	14.45	28.34	-51.66	23.78	-75.44	QP	Coplanar
5	0.3690	9.76	14.44	24.20	-55.8	16.19	-71.99	QP	Coplanar
6	1.7620	5.72	14.39	20.11	-19.89	29.50	-49.39	QP	Coplanar
7	13.5600	37.24	13.96	51.20	11.20	84.00	-72.80	PeaK	Coplanar

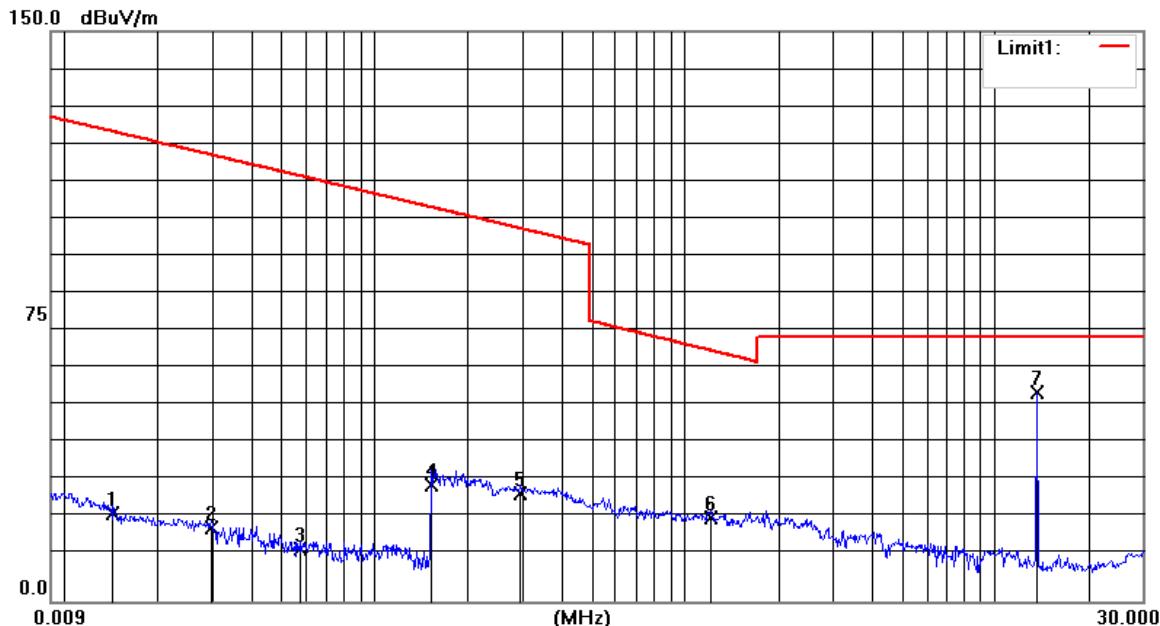
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Item	Freq.	Read Level	Correct Factor	Result Level@3m	Result Level@SPEC	Limit Line@SPEC	Over Limit	Detector	Polarity
(Mark)	(MHz)	(dB μ V)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)		
1	0.0143	7.44	15.71	23.15	-56.85	43.6	-100.45	QP	Coaxial
2	0.0297	4.31	14.82	19.13	-60.87	37.44	-98.31	QP	Coaxial
3	0.0575	-0.71	14.54	13.83	-66.17	31.87	-98.04	QP	Coaxial
4	0.1524	16.21	14.45	30.66	-49.34	23.65	-72.99	QP	Coaxial
5	0.2923	13.96	14.44	28.40	-51.6	18.16	-69.76	QP	Coaxial
6	1.2160	7.36	14.41	21.77	-18.23	25.93	-44.16	QP	Coaxial
7	13.5600	41.01	13.96	54.97	14.97	84.00	-69.03	PeaK	Coaxial

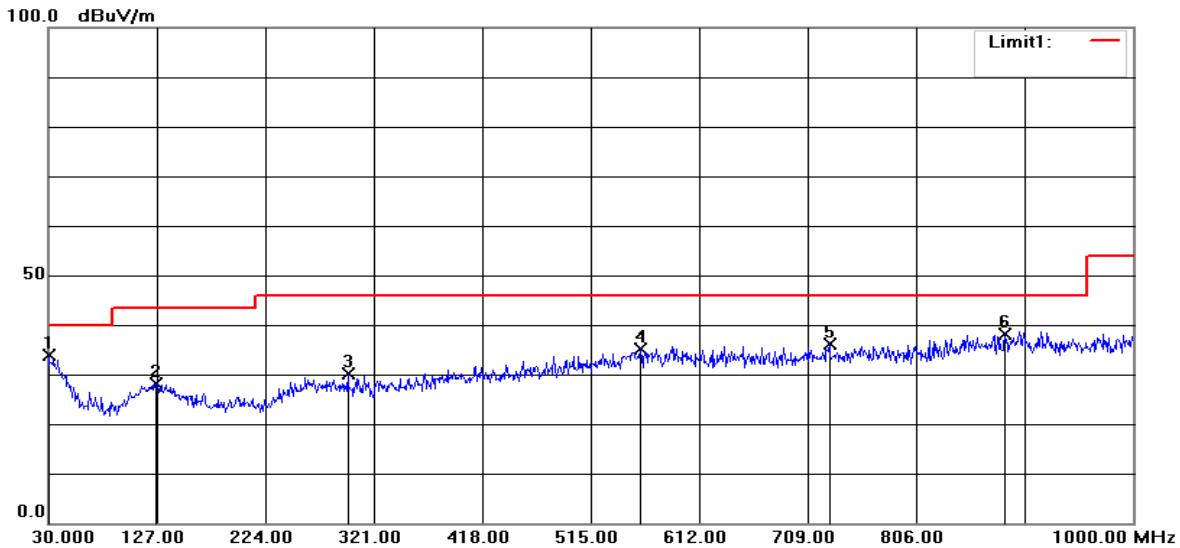
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Below 1GHz
Horizontal


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	8.64	25.33	33.97	40.00	-6.03	QP
2	126.0300	8.69	19.49	28.18	43.50	-15.32	QP
3	297.7200	9.49	20.63	30.12	46.00	-15.88	QP
4	559.6200	7.71	27.37	35.08	46.00	-10.92	QP
5	728.4000	33.66	2.43	36.09	46.00	-9.91	QP
6	885.5400	35.82	2.39	38.21	46.00	-7.79	QP

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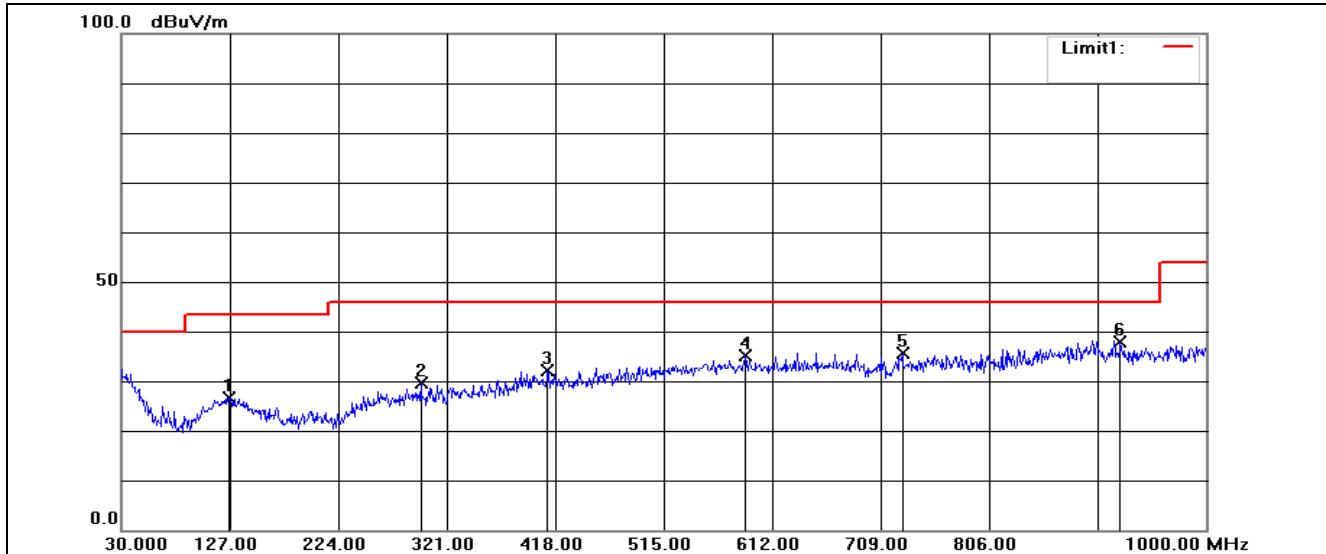
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Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	126.0300	7.19	19.49	26.68	43.50	-16.82	QP
2	297.7200	8.99	20.63	29.62	46.00	-16.38	QP
3	411.2100	8.31	23.87	32.18	46.00	-13.82	QP
4	587.7500	8.07	27.08	35.15	46.00	-10.85	QP
5	728.4000	33.16	2.43	35.59	46.00	-10.41	QP
6	923.3700	35.42	2.53	37.95	46.00	-8.05	QP

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