

Project No: TM-2602000330P
Report No.: TMWK2602000904KR

FCC ID: ELVATR6B
IC: 3671B-43612150

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RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

INDUSTRY CANADA RSS-247

Test Standard	FCC Part 15.247 IC RSS-247 issue 4 and IC RSS-GEN issue 5
Product name	Vehicle Security and Remote Start System
Brand Name	N/A
Model No.	4361215, 4361223
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC) and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory)

Approved by:

Sehni, Hu

Sehni Hu
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	July 06, 2026	Initial Issue	ALL	Allison Chen

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	NUTEK CORPORATION No.167, Lane 235, Bauchiau Rd., Xindian District, New Taipei City, 23145, Taiwan
Manufacturer	NUTEK CORPORATION No.167, Lane 235, Bauchiau Rd., Xindian District, New Taipei City, 23145, Taiwan
Equipment	Vehicle Security and Remote Start System
Model Name / HVIN	4361215, 4361223
Model Discrepancy	Hardware/software is identical on 4361215, 4361223. Separate P/N's for specific customer, processing location & inventory (for marketing purpose only).
Trade name	N/A
Received Date	March 08, 2026
Date of Test	May 04 ~ 06, 2026
Power Operation	Power from power supply. (DC 13.4V)
PMN	4361215, 4361223
EUT Serial #	001
HW Version	AQ11C
SW Version	NSP44

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.
3. Disclaimer: The variant model numbers are assessed as identical in hardware and software to each other, hence all variants are fully covered by the test results in this test report without further verification test.



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1.2 EUT CHANNEL INFORMATION

Frequency Range	904 MHz – 923.6 MHz									
Modulation Type	GFSK									
Number of channels	50 Channels									
Channel List	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
	1	904	11	908	21	912	31	916	41	920
	2	904.4	12	908.4	22	912.4	32	916.4	42	920.4
	3	904.8	13	908.8	23	912.8	33	916.8	43	920.8
	4	905.2	14	909.2	24	913.2	34	917.2	44	921.2
	5	905.6	15	909.6	25	913.6	35	917.6	45	921.6
	6	906	16	910	26	914	36	918	46	922
	7	906.4	17	910.4	27	914.4	37	918.4	47	922.4
	8	906.8	18	910.8	28	914.8	38	918.8	48	922.8
	9	907.2	19	911.2	29	915.2	39	919.2	49	923.2
	10	907.6	20	911.6	30	915.6	40	919.6	50	923.6

Remark:
Refer as ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC) and RSS-GEN for test channels.

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Internal antenna

Antenna Type	☐ PIFA ☒ PCB ☐ Dipole ☐ Loop ☐ Other
Antenna info.	Nutek Corpation. / AQ11_Antenna
Antenna Gain	Gain: -1.58 dBi

External antenna

Antenna Type	☐ PIFA ☐ PCB ☒ Dipole ☐ Loop ☐ Other
Antenna info.	Chinmore Industry CO.LTD / HWE00271
Antenna Gain	Gain: 2.5 dBi

Notes:

1.The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203 and RSS-GEN 6.8.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	±2.37dB
Channel Bandwidth	±2.85dB
Power Spectral density	±2.74dB
Conducted Bandedge	±2.74dB
Conducted Spurious Emission	±2.74dB
Radiated Emission_9kHz-30MHz	± 2.750 dB
Radiated Emission_30MHz-200MHz	± 3.874 dB
Radiated Emission_200MHz-1GHz	± 4.065 dB
Radiated Emission_1GHz-6GHz	± 5.594 dB
Radiated Emission_6GHz-18GHz	± 5.556 dB

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.



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1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	-	Not applicable, because EUT doesn't connect to AC Main Source direct.
Radiation	Ben Yang 、 Tony Chao	-
RF Conducted	Jerry Chang	-

Remark: The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC public Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

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1.6 INSTRUMENT CALIBRATION

Conducted_FCC/IC/NCC (All)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Loop Probe	LANGER EMV-TECHNIK	RF-R 50-1	02-2644	2025-12-10	2026-12-09
PXA Signal Analyzer	Keysight	N9030B	MY62291089	2025-09-24	2026-09-23
Power Sensor	Anritsu	MA2411B	1911387	2025-08-21	2026-08-20
Power Sensor	Anritsu	MA2411B	1911386	2025-07-07	2026-07-06
Power Meter	Anritsu	ML2496A	2136002	2025-07-07	2026-07-06
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2025-08-06	2026-08-05
Attenuator	Marvelous Microwave Inc	MVE2213-10	08	2025-11-06	2026-11-05
DC Power Source	GWINSTEK	GPC-3030D	8070184	2025-09-15	2026-09-14
Software	Radio Test Software Ver. 21				

966A_Radiated					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	Agilent	N9010A	MY52220817	2026-03-13	2027-03-12
Active Loop Antenna	COM-POWER	AL-130	121051	2026-02-04	2027-02-03
Thermo-Hygro Meter	HTC	HTC-1	HTC-D06	2025-05-26	2026-05-25
Bi-Log Antenna	Sunol Sciences	JB3	A030105&532	2025-06-26	2026-06-25
Preamplifier	EMEC	EM330	060609	2026-02-13	2027-02-12
Cable	Huber+Suhner	104PEA	20995+21000+182330	2025-08-06	2026-08-05
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2025-12-19	2026-12-18
Preamplifier	HP	8449B	3008A00965	2025-12-17	2026-12-16
Cable	EMCI	EMC101G	1508S0193+230205+250412	2026-01-14	2027-01-13
High Pass Filters	Titan Microwave	T04N90292850 S01	24090402-3	2025-10-28	2026-10-27
High Pass Filters	Titan Microwave	HPF-1200-18000	10231034	2026-01-14	2027-01-13
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 V9-210616c				

Remark:

- Each piece of equipment is scheduled for calibration once a year.
- N.C.R. = No Calibration Required.



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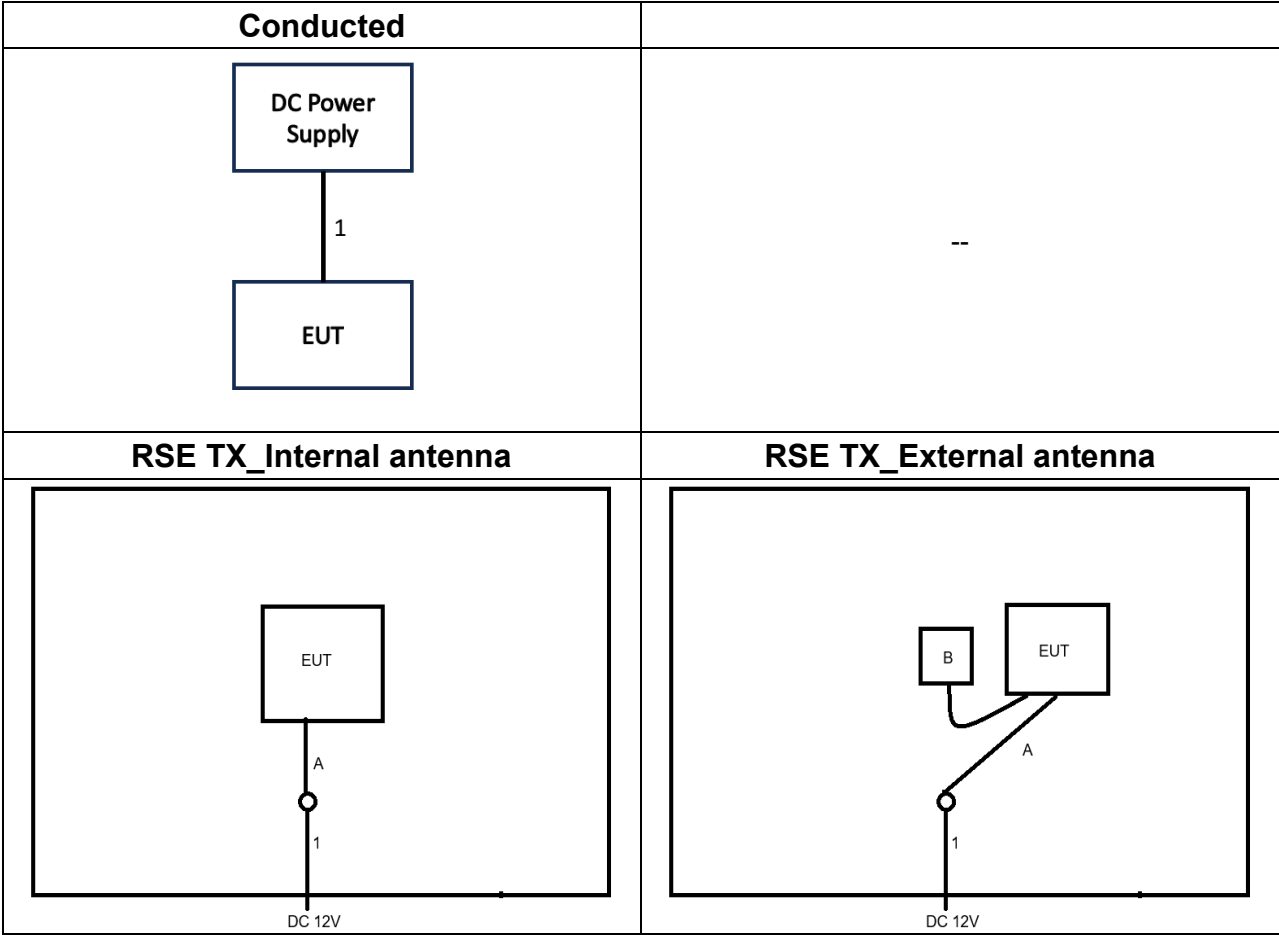
1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

Support Equipment (Conducted)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	DC CABLE	MISUMI	MCR3S-RE	N/A	N/A

Support Equipment (Radiated)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	DC CABLE	MISUMI	MCR3S-RE	N/A	N/A
A	2 Pin -Power Cable	N/A	N/A	N/A	N/A
B	Antenna	N/A	N/A	N/A	N/A

1.8 TEST SET UP DIAGRAM



1.9 TEST PROGRAM

This EUT uses switches to set the frequency, modulation, and power to allow the sample to continuously transmit .

1.10 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10-2020, FCC Part 2, FCC Part 15.247, KDB 558074 D01, ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, RSS-247 Issue 4 and RSS-GEN Issue 5.

2. TEST SUMMARY

FCC Standard Section	IC Standard Section	Report Section	Test Item	Result
15.203	RSS-GEN 6.8	1.3	Antenna Requirement	Pass
15.207(a)	RSS-GEN 8.8	4.1	AC Conducted Emission	N/A
15.247(a)(1)	RSS-247(6.2.1) RSS-247(6.2.2.1)	4.2	20 dB Bandwidth	Pass
-	RSS-GEN 6.7	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)(2)	RSS-247(6.2.2.2)	4.3	Output Power Measurement	Pass
15.247(a)(1)	RSS-247(6.2.1)	4.4	Frequency Separation	Pass
15.247(b)(2)	RSS-247(6.2.2.1)	4.5	Number of Hopping	Pass
15.247(d)	RSS-247(6.6)	4.6	Conducted Band Edge	Pass
15.247(d)	RSS-247(6.6)	4.6	Conducted Spurious Emission	Pass
15.247(a)(1)	RSS-247(6.2.2.1)	4.7	Time of Occupancy	Pass
15.247(d), 15.205(a), 15.209(a)	RSS-GEN 8.9, 8.10 RSS-247(6.6)	4.8	Radiation Band Edge	Pass
15.247(d), 15.205(a), 15.209(a)	RSS-GEN 8.9, 8.10 RSS-247(6.6)	4.8	Radiation Spurious Emission	Pass



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3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	GFSK
Test Channel Frequencies	1.Lowest Channel: 904 MHz 2.Middle Channel: 913.6 MHz 3.Highest Channel: 923.6 MHz

3.2 THE WORST MODE OF MEASUREMENT

Integral Antenna

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Power Supply
Worst Mode	☒ Mode 1
Worst Position	☐ Placed in fixed position. ☒ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☐ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Power Supply
Worst Mode	☒ Mode 1

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this report

External Antenna

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Power Supply
Worst Mode	☒ Mode 1
Worst Position	☐ Placed in fixed position. ☐ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☒ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Power Supply
Worst Mode	☒ Mode 1

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Z-Plane) were recorded in this report

3.3 EUT DUTY CYCLE

Temperature: 25.4°C Test date: May 04, 2026
Humidity: 59% RH Tested by: Jerry Chang

Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
GFSK	100.00	0.00	0.00	0.01



4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a) and RSS-GEN section 8.8,

Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

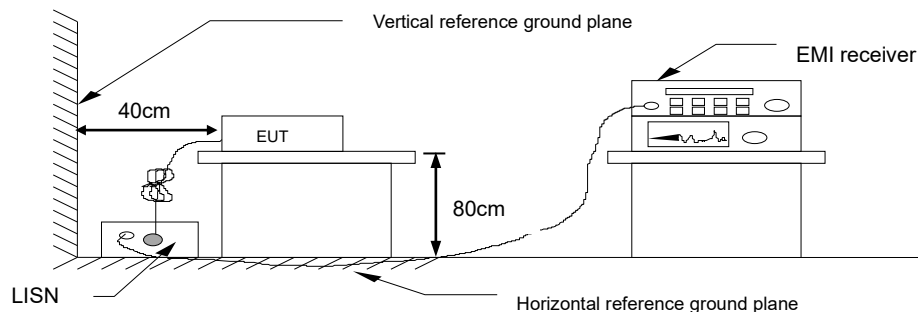
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC),

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup



4.1.4 Test Result

Not applicable, because EUT not connect to AC Main Source direct.

4.2 20dB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

4.2.1 Test Limit

According to §15.247(a) (1), RSS-247(6.2.1)(a), RSS-247(6.2.2.1) and RSS-GEN 6.7,

20 dB Bandwidth : For reporting purposes only.

Occupied Bandwidth(99%) : For reporting purposes only.

4.2.2 Test Procedure

Test method Refer as ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC),

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 10kHz and Detector = Peak, to measurement 20 dB Bandwidth and 99% Bandwidth.
4. Measure and record the result of 20 dB Bandwidth and 99% Bandwidth. in the test report.

4.2.3 Test Setup

Refer to section 1.8.



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4.2.4 Test Result

Temperature: 25.4°C
Humidity: 59% RH

Test date: May 04, 2026
Tested by: Jerry Chang

20dB BANDWIDTH

CH	20 dB BW (kHz)
1	86.33
25	86.31
50	86.33

BANDWIDTH 99%

CH	99% BW (kHz)
1	84.663
25	84.664
50	84.666

Test Data

20dB BANDWIDTH



BANDWIDTH 99%



4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.247(b)(2),

For frequency hopping systems operating in the 902-928 MHz band: 1 watt.

According to RSS-247 section 6.2.2.2,

The hopset uses 50 or more hopping channels, the maximum peak conducted output power shall not exceed 1.0 W, and the e.i.r.p. shall not exceed 4 W.

Limit	☒ Antenna not exceed 6 dBi : 30dBm ☐ Antenna with DG greater than 6 dBi [Limit = 30 – (DG – 6)] ☐ Point-to-point operation
-------	---

4.3.2 Test Procedure

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

4.3.3 Test Setup

Refer to section 1.8.

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4.3.4 Test Result

Temperature: 25.4°C

Test date: May 04, 2026

Humidity: 59% RH

Tested by: Jerry Chang

Peak & Average output power :

GFSK mode (Peak):

Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
904.000	default	16.38	43.451	1000
913.600	default	15.71	37.239	1000
923.600	default	14.99	31.550	1000

GFSK mode (Average):

Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
904.000	default	16.31	42.756	1000
913.600	default	15.63	36.559	1000
923.600	default	14.91	30.974	1000

**Note: Avg. output power has been calculated with duty factor.*

EIRP Power:

GFSK mode EIRP

Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (mW)	Limit (mW)
904.000	default	16.31	2.50	76.033	4000
913.600	default	15.63	2.50	65.013	4000
923.600	default	14.91	2.50	55.081	4000

***Note:**

1. $EIRP = Average\ Power + Gain$
2. This product supports two antenna types, selecting the maximum gain for evaluation and recording the worst-case scenario in the report.



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4.4 FREQUENCY SEPARATION

4.4.1 Test Limit

According to §15.247(a)(1) and RSS-247 (6.2.1),

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Limit	> 20dB bandwidth
-------	------------------

4.4.2 Test Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. EUT RF output port connected to the SA by RF cable.
3. Set the spectrum analyzer as RBW = 10kHz, VBW = 30kHz, Sweep = auto.
Max hold, mark 3 peaks of hopping channel and record the 3 peaks frequency.

4.4.3 Test Setup

Refer to section 1.8.



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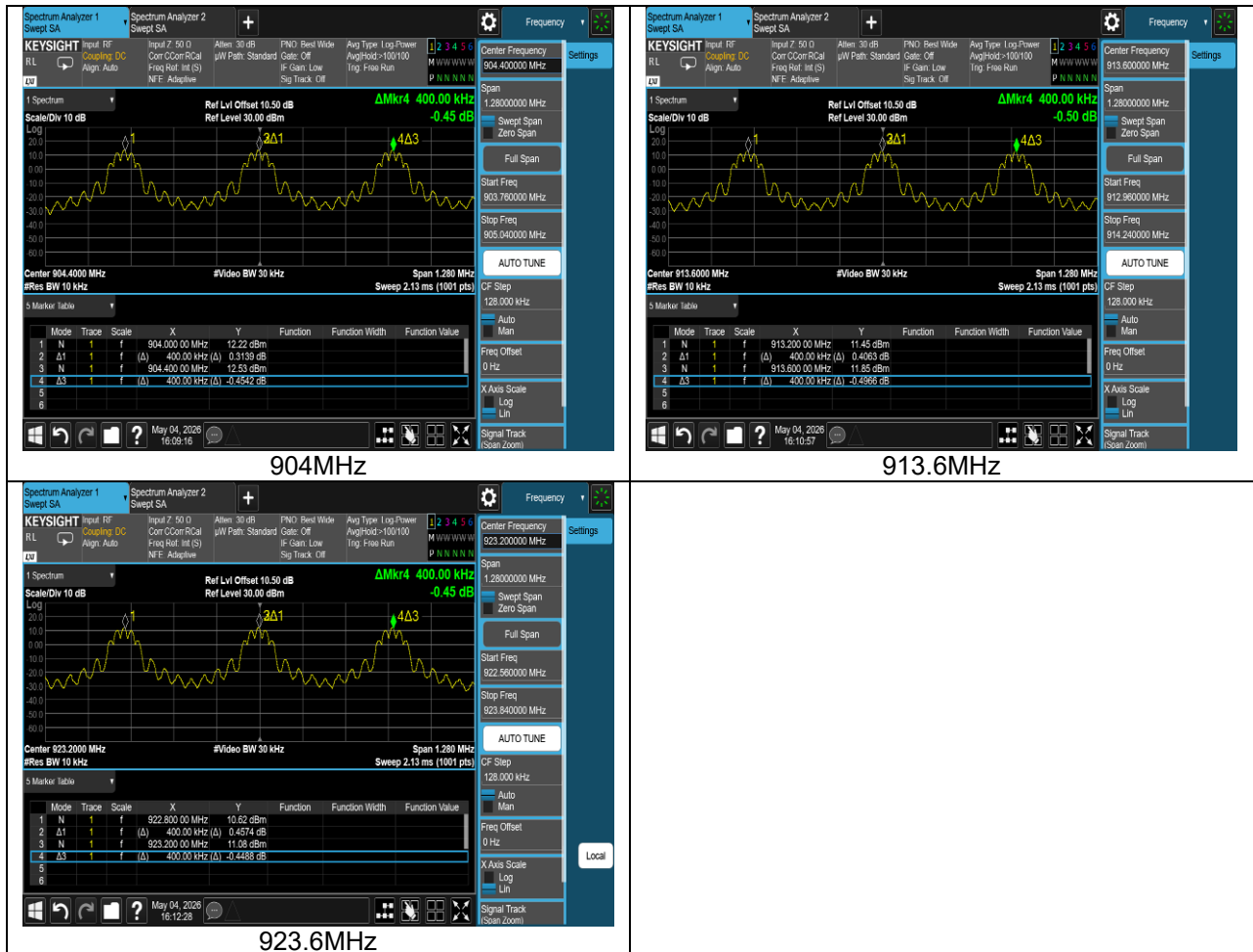
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4.4.4 Test Result

Temperature: 25.4°C Test date: May 04, 2026
Humidity: 59% RH Tested by: Jerry Chang

Hopping Frequency Separation					
Mode	Main Channel (MHz)	Adjacent Channel (MHz)	Separation (kHz)	Min Separation Limit (kHz)	Pass/Fail
GFSK	904.00	904.40	400	86.33	Pass
	913.20	913.60	400	86.31	Pass
	922.80	923.20	400	86.33	Pass

Test Data



4.5 NUMBER OF HOPPING

4.5.1 Test Limit

According to §15.247(a)(1) and RSS-247 (6.2.2.1),
The system shall use at least 50 hopping channels.

4.5.2 Test Procedure

Test method Refer as ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC),

1. Place the EUT on the table and set it in transmitting mode.
2. EUT RF output port connected to the SA by RF cable.
3. Set spectrum analyzer Start Freq. = 898.6 MHz, Stop Freq. = 928.6 MHz, RBW=82KHz, VBW =300kHz.
4. Max hold, view and count how many channel in the band.

4.5.3 Test Setup

Refer to section 1.8.

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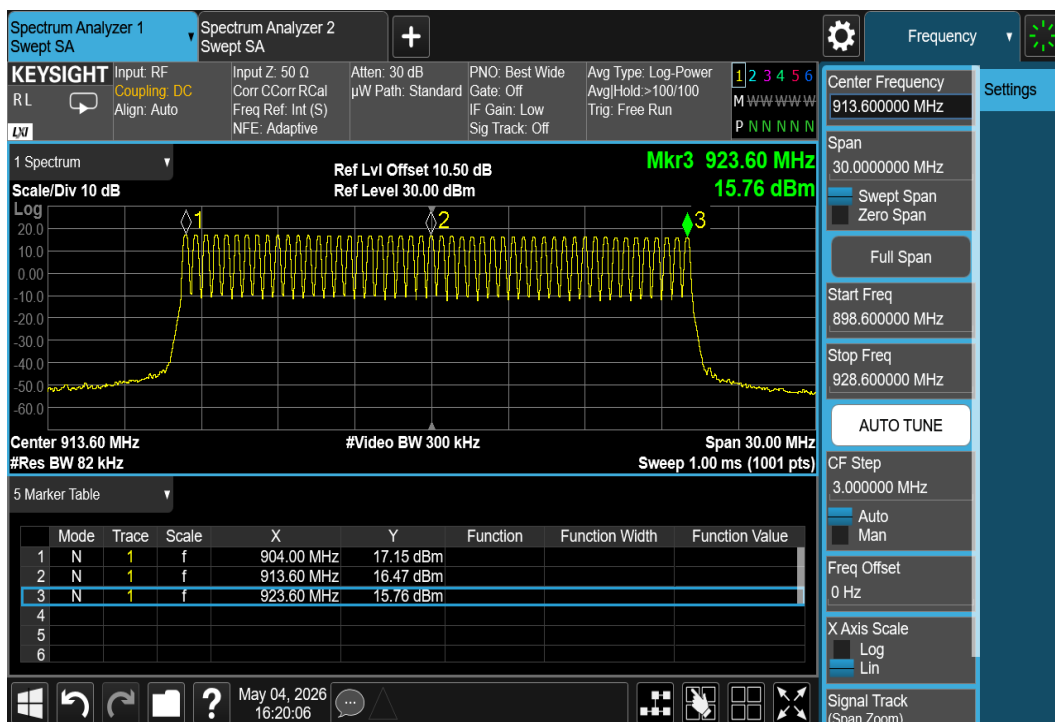
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4.5.4 Test Result

Temperature: 25.4°C Test date: May 04, 2026
Humidity: 59% RH Tested by: Jerry Chang

Number of Hopping				
Mode	Frequency (MHz)	Hopping Channel Number	Hopping Channel Number Limits	Result
GFSK	904-923.6	50	≥ 50	Pass

Test Data





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4.6 CONDUCTED BANDEDGE AND SPURIOUS EMISSION

4.6.1 Test Limit

According to §15.247(d), RSS-247 section 6.6,

Limit	-20 dBc
-------	---------

4.6.2 Test Procedure

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. The Band Edge at 902MHz and 928MHz are investigated with both hopping “ON” and “OFF” modes “.

4.6.3 Test Setup

Refer to section 1.8.

4.6.4 Test Result

Temperature: 25.4°C
Humidity: 59% RH

Test date: May 04, 2026
Tested by: Jerry Chang

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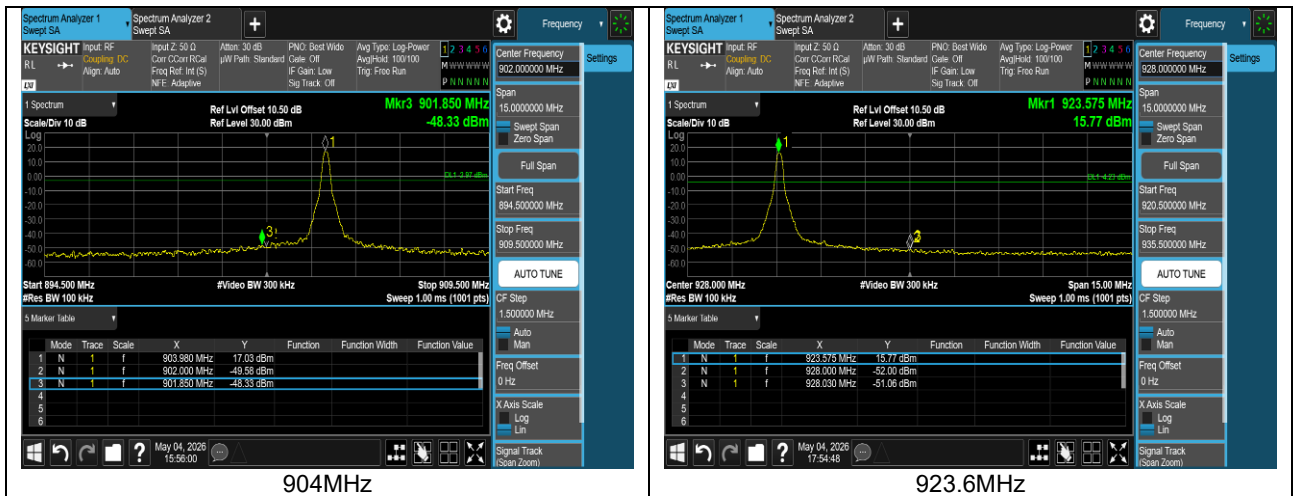
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Test Data

Hopping mode



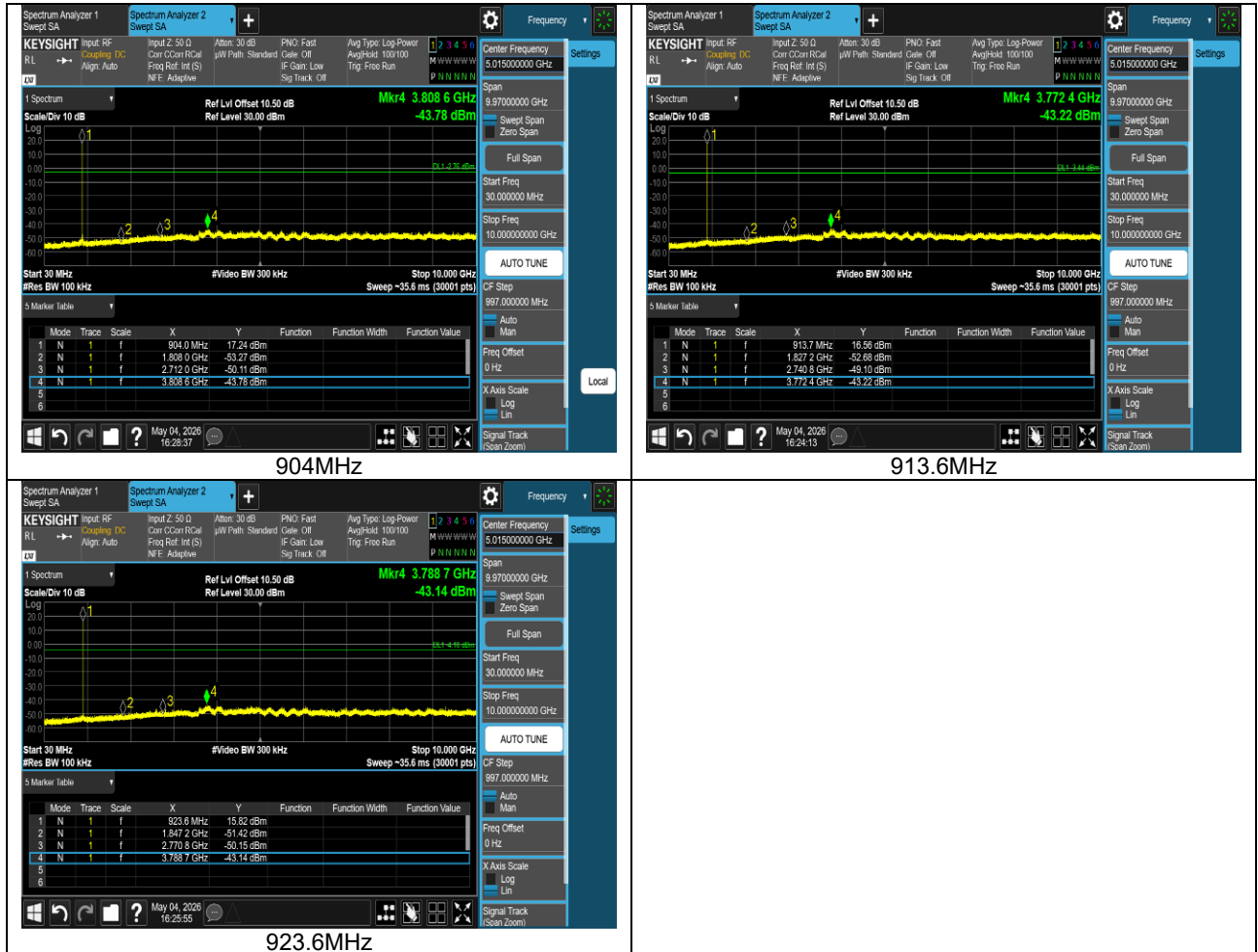
Non-hopping mode



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Spurious Emission



4.7 TIME OF OCCUPANCY (DWELL TIME)

4.7.1 Test Limit

According to §15.247 (a)(1), RSS-247 section 6.2.2.1,

The average time of occupancy on any channel shall not be greater than 0.4 s within a 20 s period.

4.7.2 Test Procedure

1. EUT RF output port connected to the SA by RF cable.
2. Set center frequency of spectrum analyzer = operating frequency.
3. Set the spectrum analyzer as RBW=100kHz, VBW=300kHz, Sweep = 20 s.

4.7.3 Test Setup

Refer to section 1.8.



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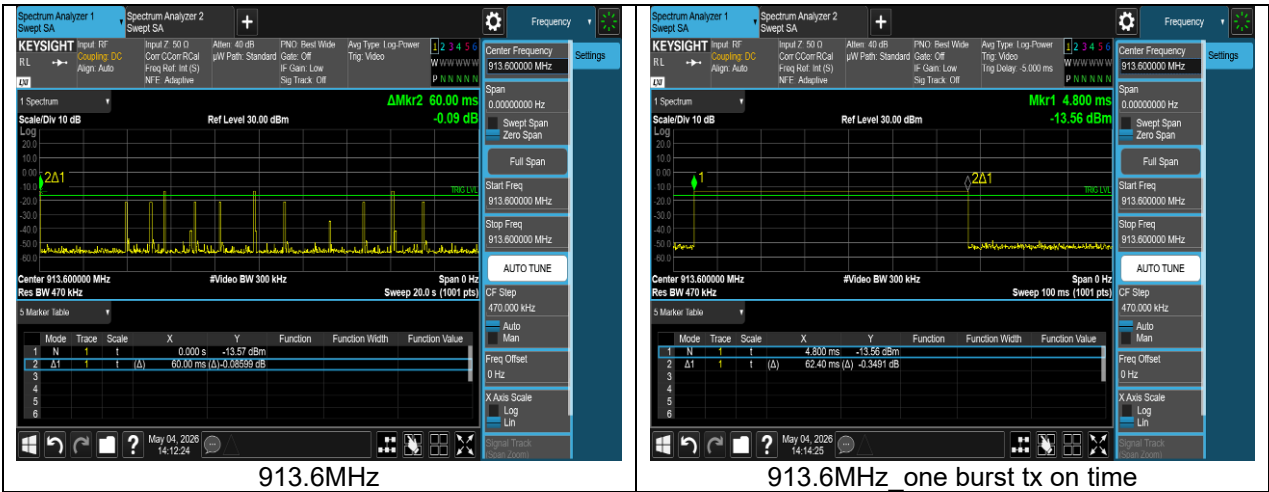
4.7.4 Test Result

Temperature: 25.4°C Test date: May 04, 2026
Humidity: 59% RH Tested by: Jerry Chang

Channel	PACKET TYPE	Dwell time of each pulse (ms)	Number of pulses within period	Total dwell time within period (ms)	Limit (ms)
25	GFSK	62.40	4	249.6	400

NOTE: Measurement Period is 20 s

Test Data



4.8 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.8.1 Test Limit

FCC according to §15.247(d), §15.209(a) and §15.205(a),

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

IC according to RSS-247 section 6.6, RSS-Gen, Section 8.9 and 8.10.

RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz ^(Note)

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Note: Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

Frequency	Magnetic field strength (H-Field) (μA/m)	Measurement Distance (m)
9-490 kHz ^{Note}	6.37/F (F in kHz)	300
490-1,705 kHz	63.7/F (F in kHz)	30
1.705-30 MHz	0.08	30

Note: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

4.8.2 Test Procedure

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC), and the EUT set in a continuous mode.

2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.

3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.

4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz).

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-ane choic chamber, the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

5. The SA setting following :

(1) Below 30MHz :

(1.1) 9KHz-490KHz : RBW=200Hz / VBW=1kHz / Sweep=AUTO

(1.2) 490KHz-30MHz : RBW=10kHz / VBW=30kHz / Sweep=AUTO

(2) 30MHz to 1GHz : RBW = 100kHz, VBW $\geq$ 3*RBW, Sweep = Auto,

Detector = Peak, Trace = Max hold.

(3) Above 1GHz :

(3.1) For Peak measurement : RBW = 1MHz, VBW $\geq$ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

(3.2) For Average measurement : RBW = 1MHz, VBW $\geq$ 3 RBW, Sweep = Auto, Detector =RMS, Trace = Max hold.

6. Data result

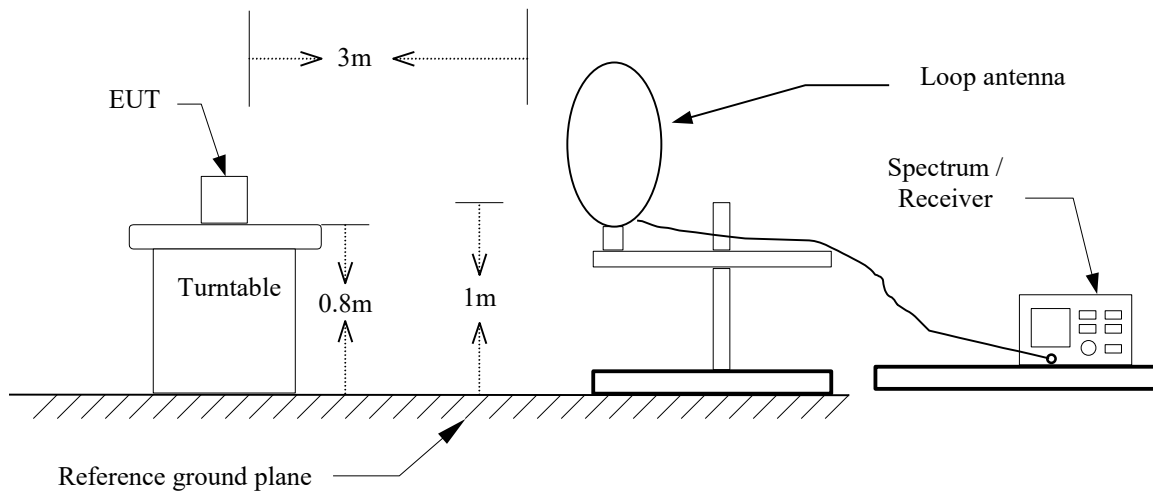
Actual FS=Spectrum Reading Level + Factor

Margin=Actual FS- Limit

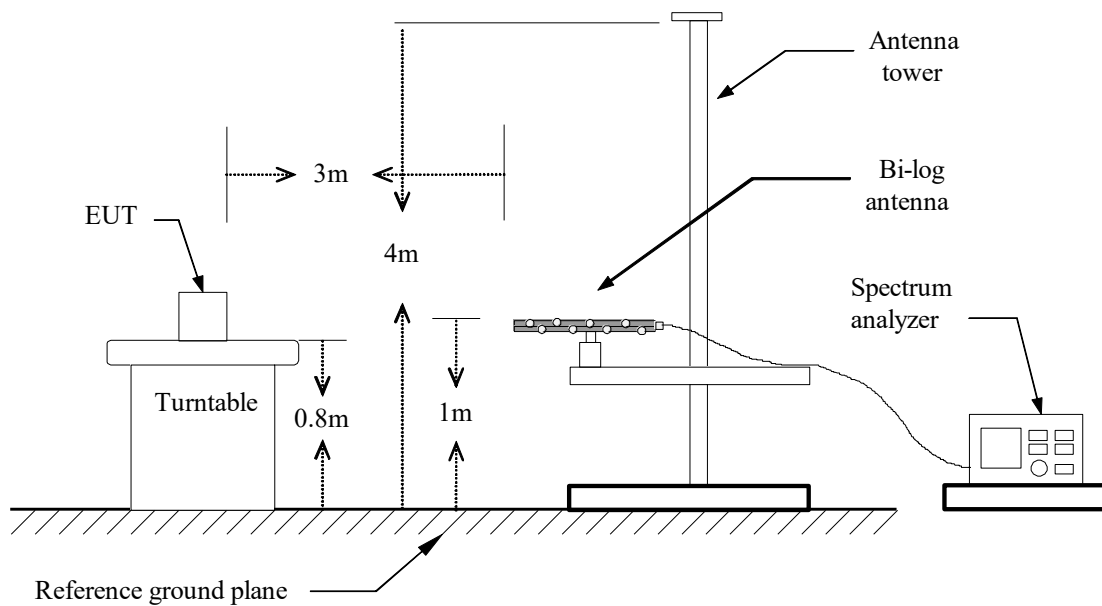
Factor = Antenna factor + Cable loss – Amp gain

4.8.3 Test Setup

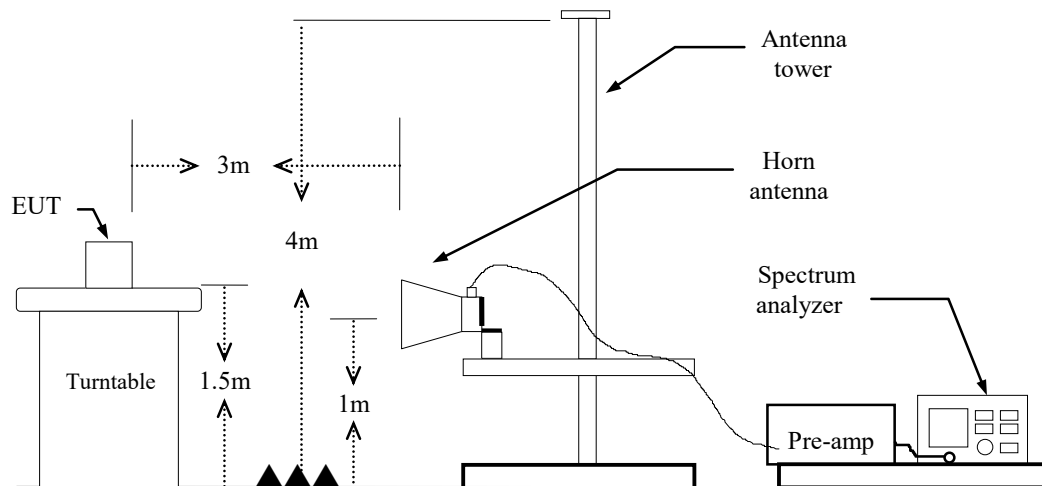
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz



4.8.4 Test Result

According to the data hereinafter, the EUT complied with ISSED RSS-247 standard's radiated emissions limits, and had the worst margin of:

Frequency (MHz)	Actual FS (dBuV/m)	Margin (dB)	Mode
928.05 MHz	44.18	-1.82	Bandedge

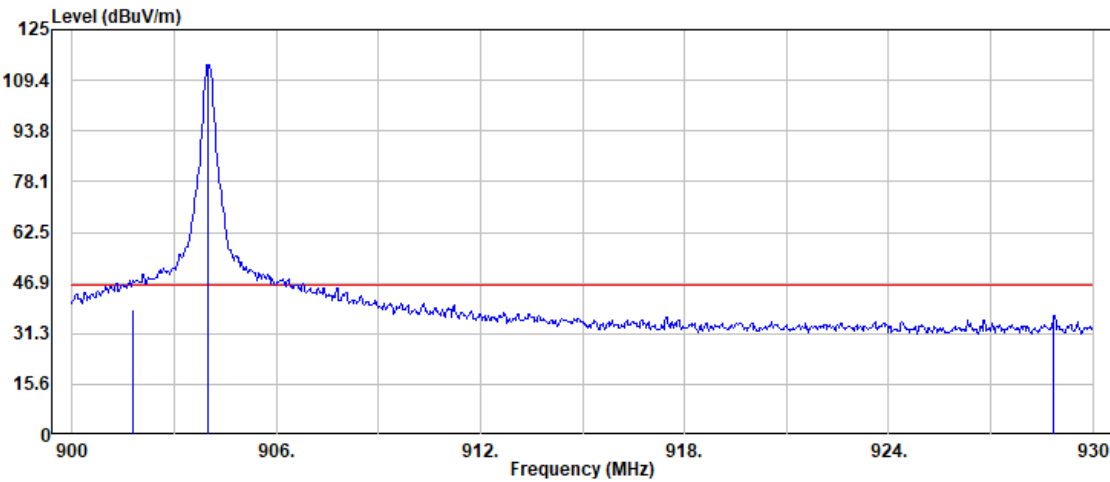


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Band Edge Test Data

Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: External antenna		



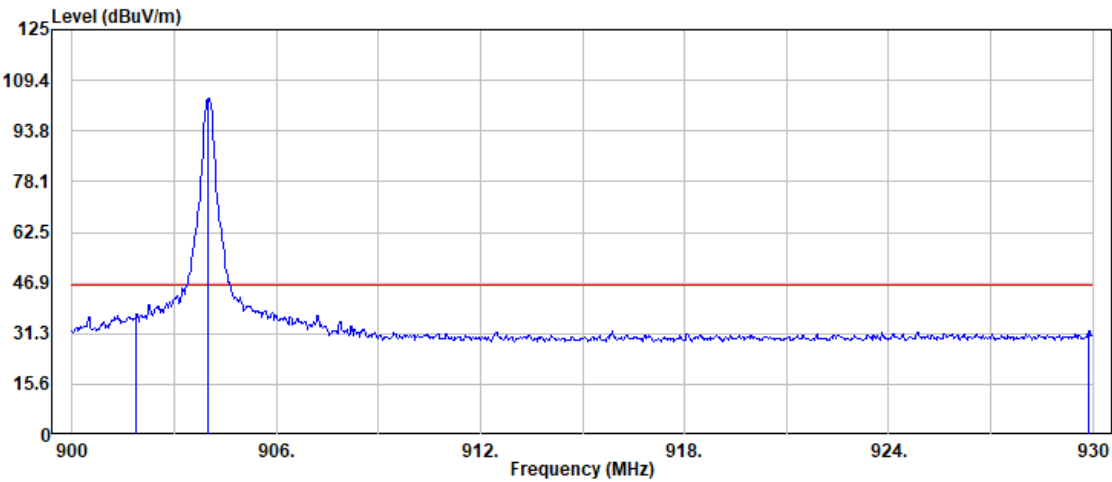
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
901.80	37.31	1.54	38.85	46.00	-7.15	QP
904.00	112.51	1.53	114.04	--	--	Peak
904.00	108.99	1.53	110.52	--	--	Average
928.86	34.72	2.16	36.88	46.00	-9.12	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: External antenna		



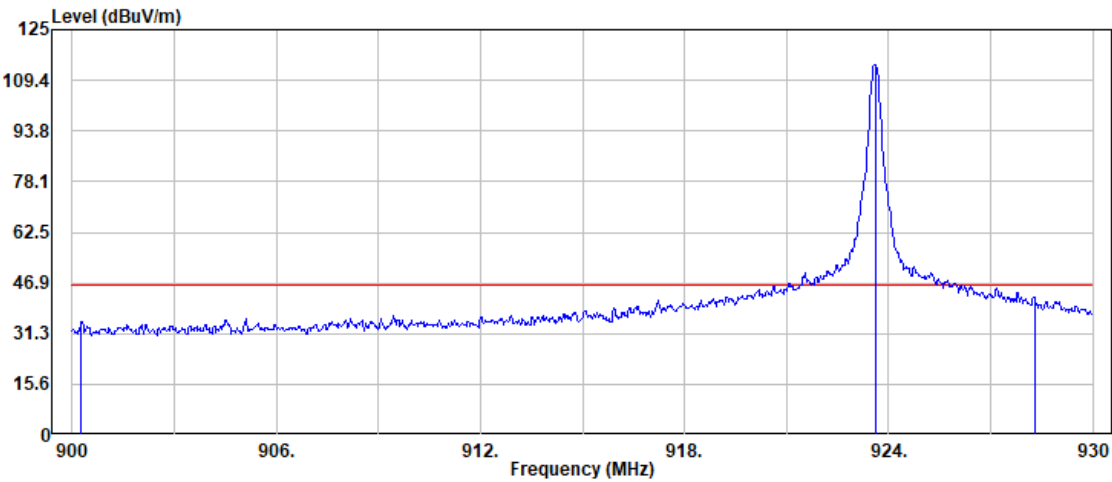
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
901.89	35.59	1.54	37.13	46.00	-8.87	Peak
904.00	102.29	1.53	103.82	--	--	Peak
904.00	99.48	1.53	101.01	--	--	Average
929.88	29.84	2.18	32.02	46.00	-13.98	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: External antenna		



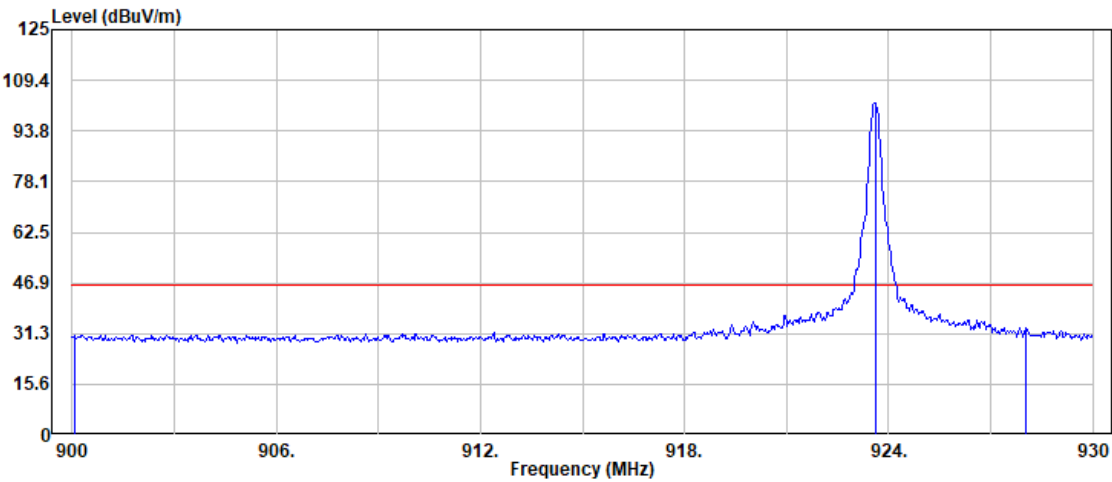
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
900.27	33.47	1.55	35.02	46.00	-10.98	Peak
923.60	112.25	1.98	114.23	--	--	Peak
923.60	109.34	1.98	111.32	--	--	Average
928.29	40.29	2.13	42.42	46.00	-3.58	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: External antenna		



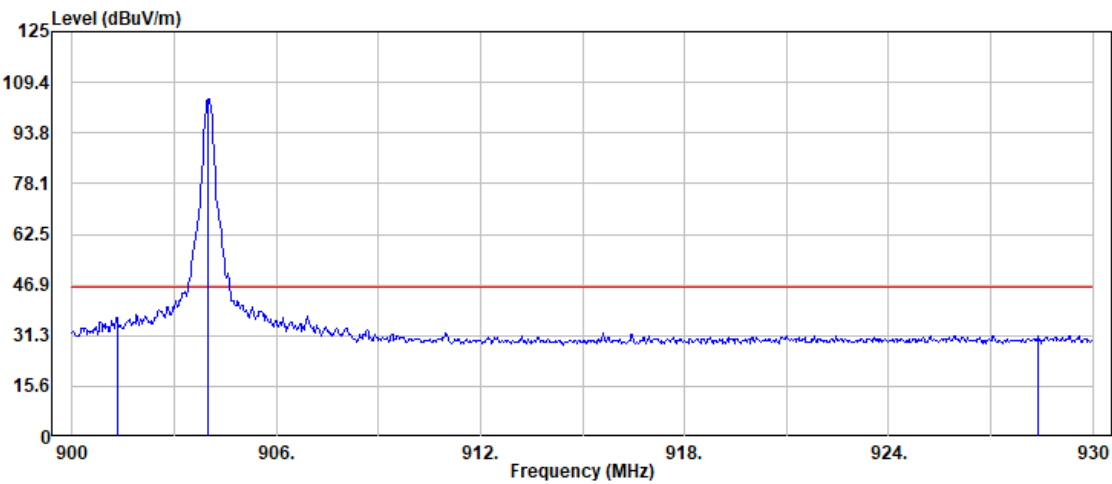
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
900.06	29.34	1.55	30.89	46.00	-15.11	Peak
923.60	100.23	1.98	102.21	--	--	Peak
923.60	97.30	1.98	99.28	--	--	Average
928.05	30.84	2.12	32.96	46.00	-13.04	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



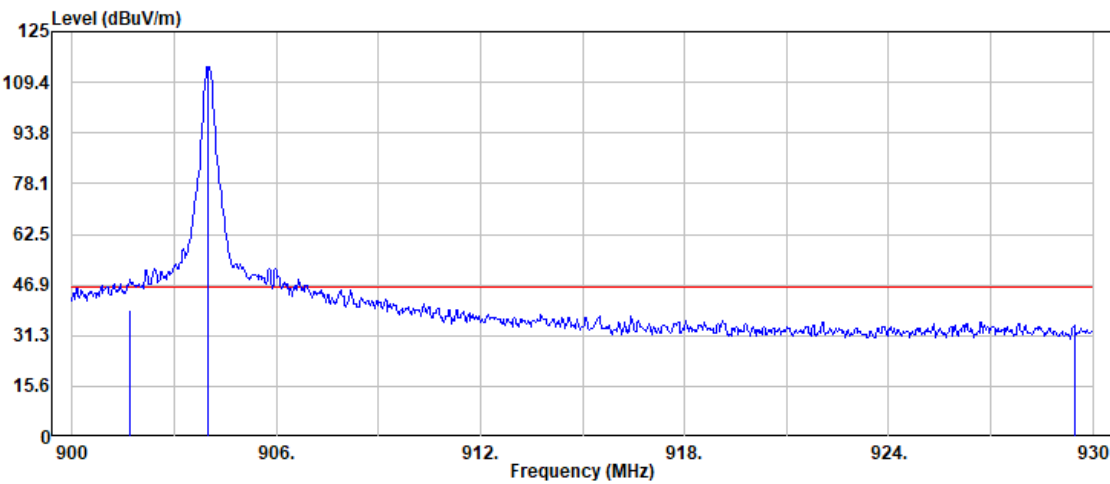
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
901.32	35.08	1.54	36.62	46.00	-9.38	Peak
904.00	102.58	1.53	104.11	--	--	Peak
904.00	99.86	1.53	101.39	--	--	Average
928.41	29.17	2.13	31.30	46.00	-14.70	Peak



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Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



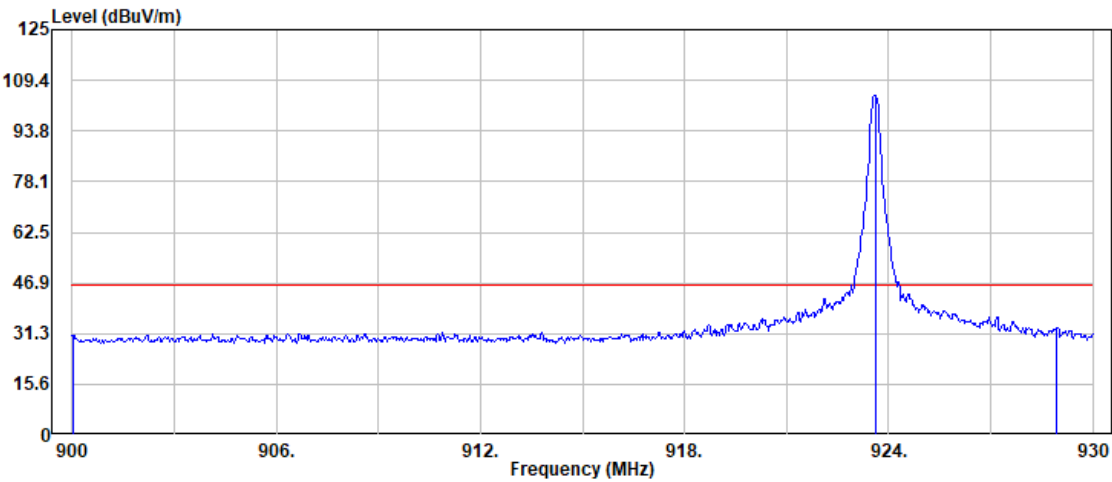
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
901.71	37.83	1.54	39.37	46.00	-6.63	QP
904.00	112.60	1.53	114.13	--	--	Peak
904.00	109.53	1.53	111.06	--	--	Average
929.46	32.08	2.17	34.25	46.00	-11.75	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



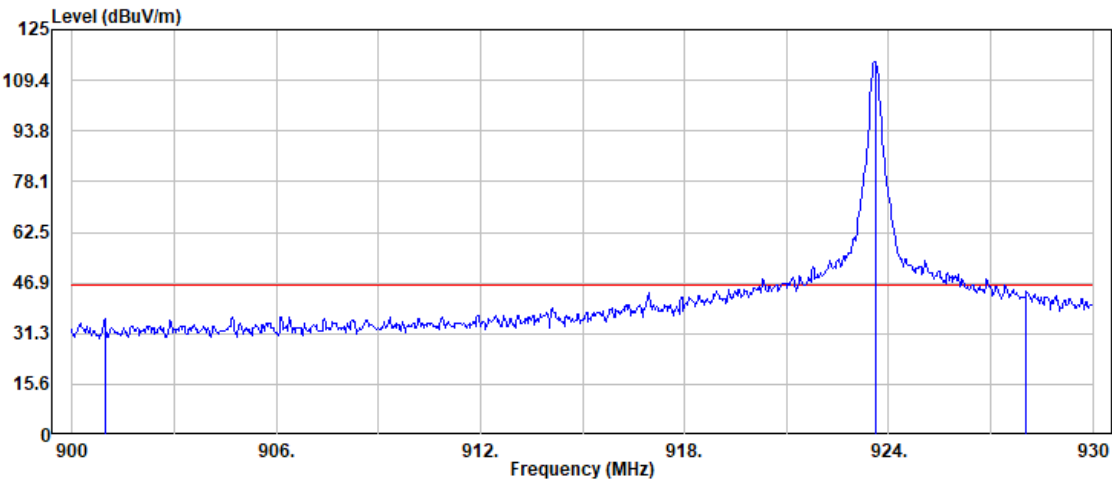
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
900.03	29.10	1.55	30.65	46.00	-15.35	Peak
923.60	102.86	1.98	104.84	--	--	Peak
923.60	99.68	1.98	101.66	--	--	Average
928.95	30.85	2.16	33.01	46.00	-12.99	Peak



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Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
900.96	34.08	1.55	35.63	46.00	-10.37	Peak
923.60	113.04	1.98	115.02	--	--	Peak
923.60	110.58	1.98	112.56	--	--	Average
928.05	42.06	2.12	44.18	46.00	-1.82	Peak



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TX Test Data

Project No : TM-2602000330P

Operation Band : 900 MHz

Frequency : 913.6 MHz

Operation Mode : TX

EUT Pol : E2

Setting : Internal antenna

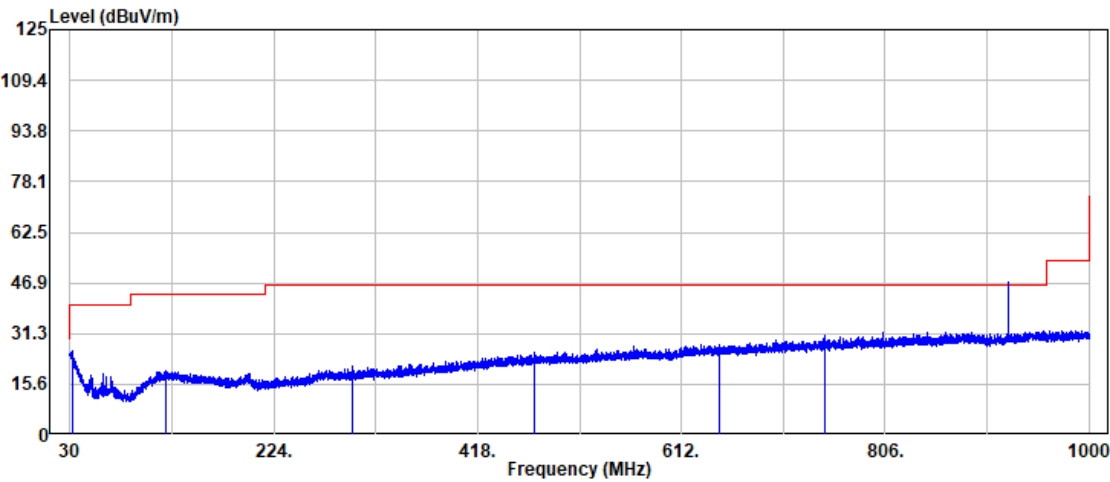
Test Date : 2026-05-06

Temp./Humi. : 25.6/55

Antenna Pol. : VERTICAL

Engineer : Tony.Chao

Test Chamber : 966A



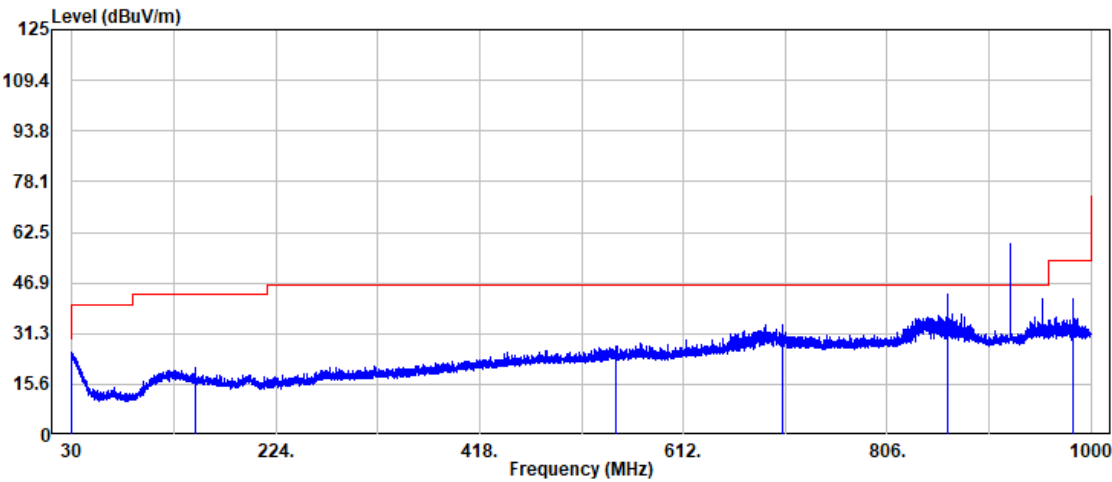
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
32.70	30.44	-4.56	25.88	40.00	-14.12	Peak
120.60	29.44	-9.69	19.75	43.50	-23.75	Peak
298.90	30.50	-9.23	21.27	46.00	-24.73	Peak
472.70	30.20	-4.56	25.64	46.00	-20.36	Peak
648.10	29.37	-1.55	27.82	46.00	-18.18	Peak
749.20	30.66	-0.23	30.43	46.00	-15.57	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 913.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



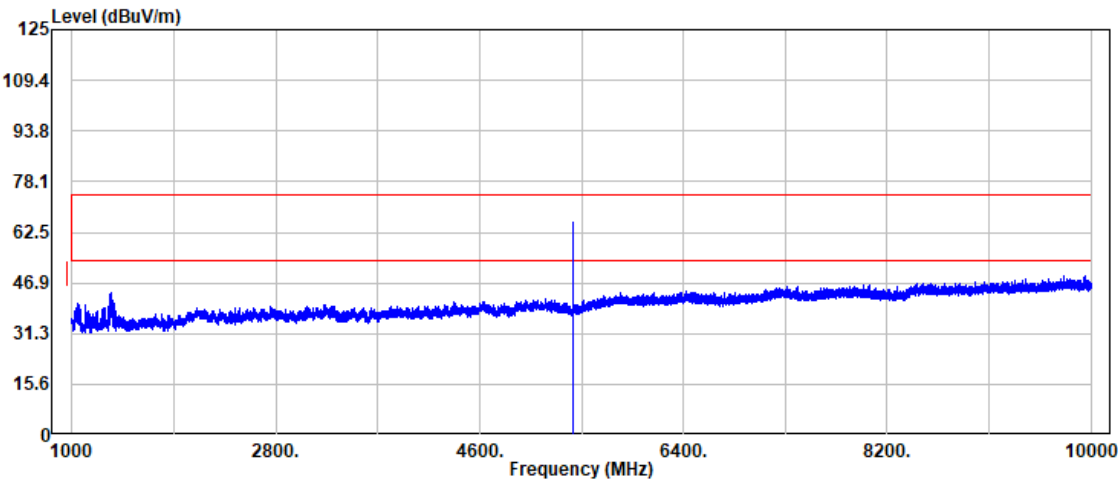
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
30.00	28.37	-2.73	25.64	29.54	-3.90	Peak
147.70	31.43	-10.78	20.65	43.50	-22.85	Peak
547.20	31.04	-3.52	27.52	46.00	-18.48	Peak
706.90	34.73	-0.86	33.87	46.00	-12.13	Peak
863.60	42.20	1.21	43.41	46.00	-2.59	Peak
983.60	39.02	2.82	41.84	54.00	-12.16	Peak



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Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



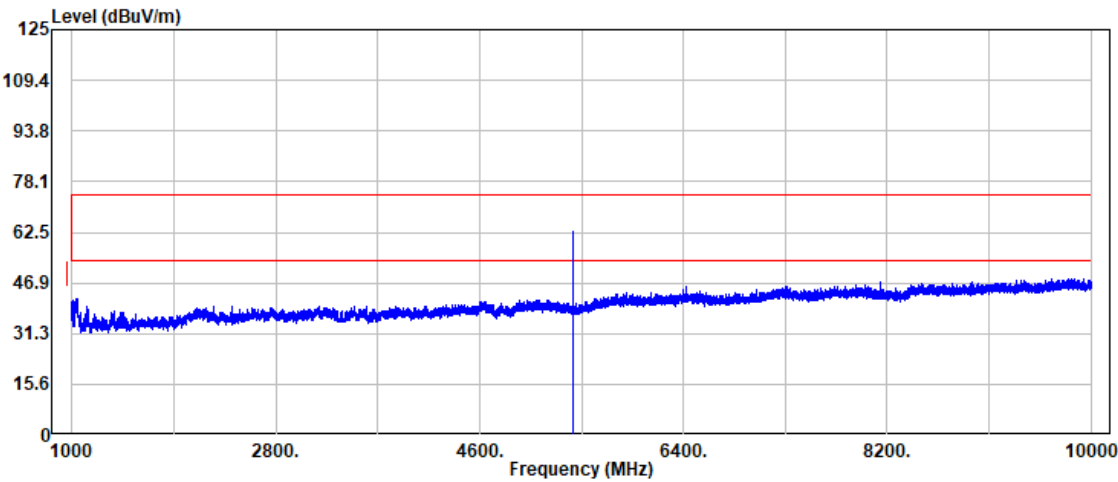
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5424.00	61.47	4.13	65.60	74.00	-8.40	Peak
5424.00	35.45	4.13	39.58	54.00	-14.42	Average



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Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



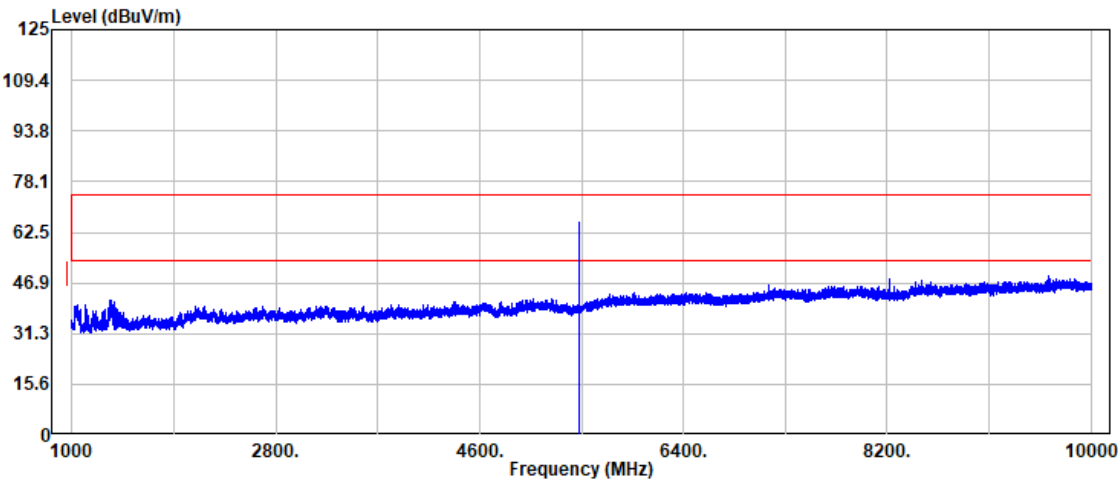
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5424.00	58.55	4.13	62.68	74.00	-11.32	Peak
5424.00	35.61	4.13	39.74	54.00	-14.26	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 913.6 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



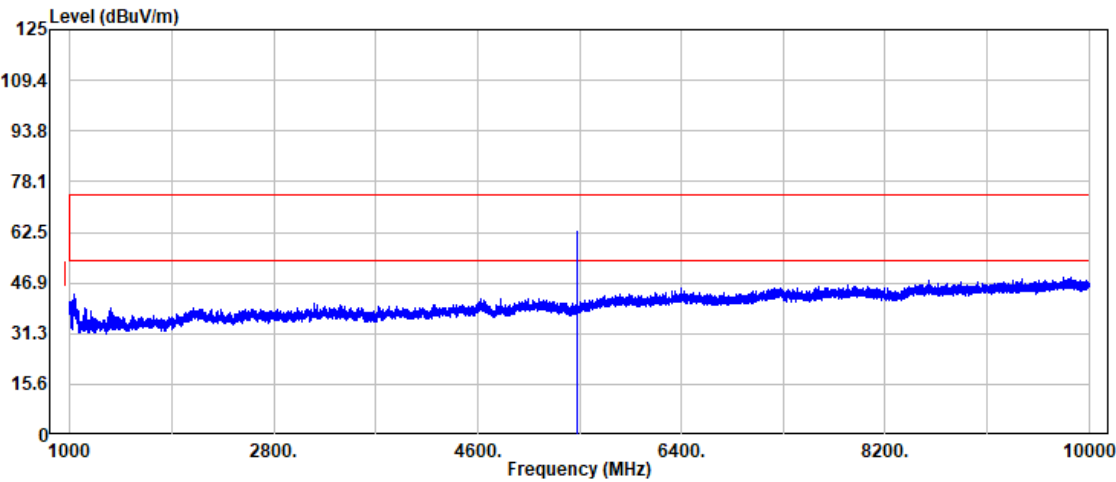
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5481.60	61.35	4.26	65.61	74.00	-8.39	Peak
5481.60	37.26	4.26	41.52	54.00	-12.48	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 913.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



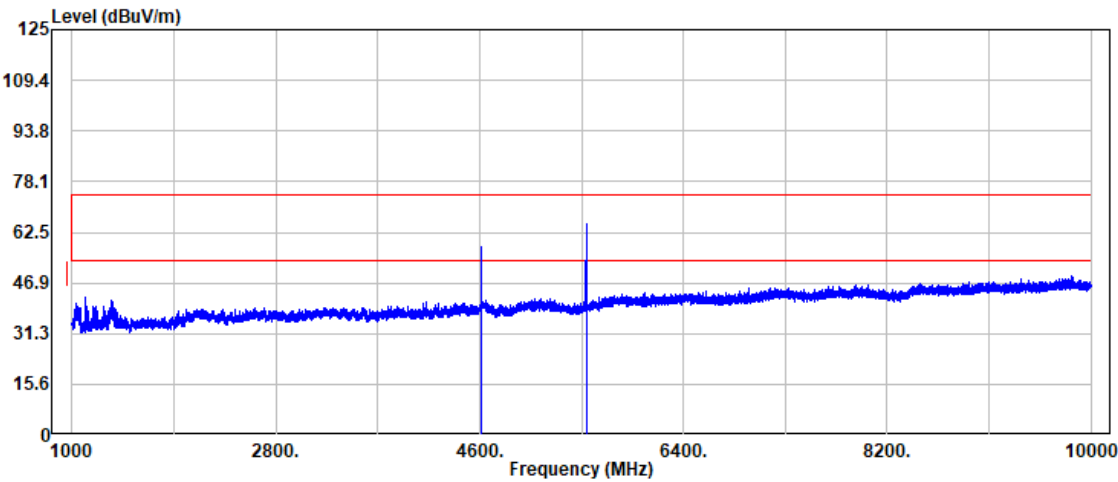
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5481.60	58.37	4.26	62.63	74.00	-11.37	Peak
5481.60	37.16	4.26	41.42	54.00	-12.58	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



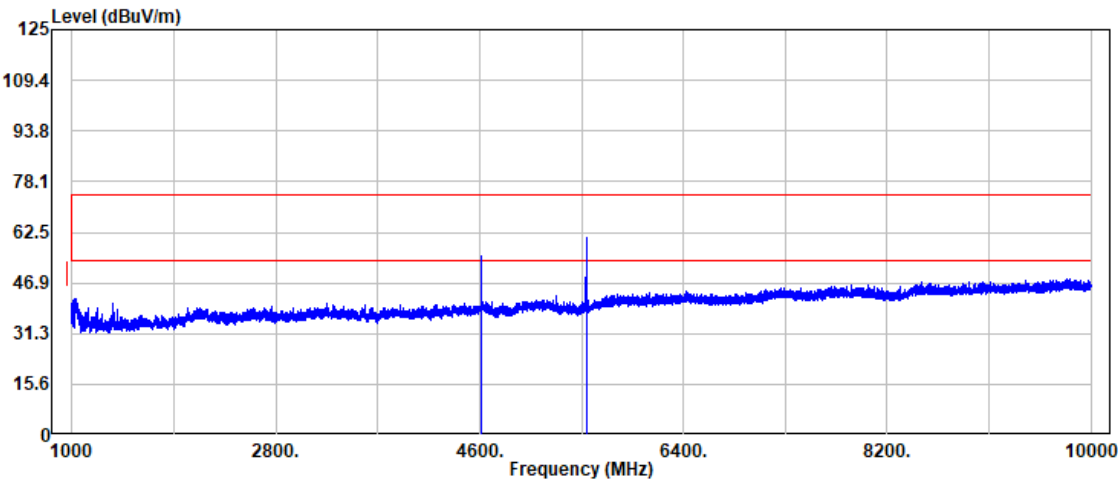
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4618.00	53.82	2.83	56.65	74.00	-17.35	Peak
4618.00	34.54	2.83	37.37	54.00	-16.63	Average
5541.60	59.64	4.56	64.20	74.00	-9.80	Peak
5541.60	35.16	4.56	39.72	54.00	-14.28	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: Internal antenna		



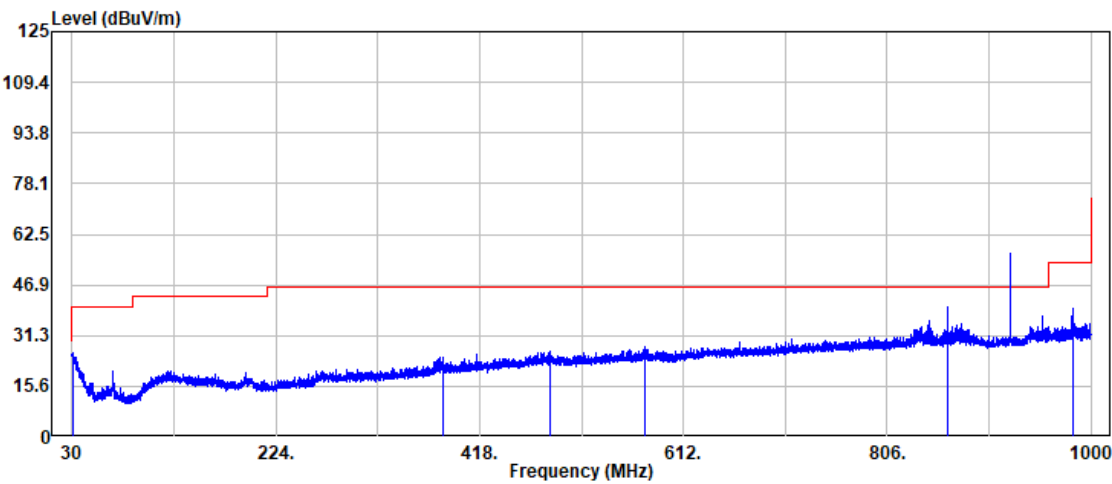
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4618.00	51.82	2.83	54.65	74.00	-19.35	Peak
4618.00	34.27	2.83	37.10	54.00	-16.90	Average
5541.60	54.16	4.56	58.72	74.00	-15.28	Peak
5541.60	35.21	4.56	39.77	54.00	-14.23	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 913.6 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: External antenna		



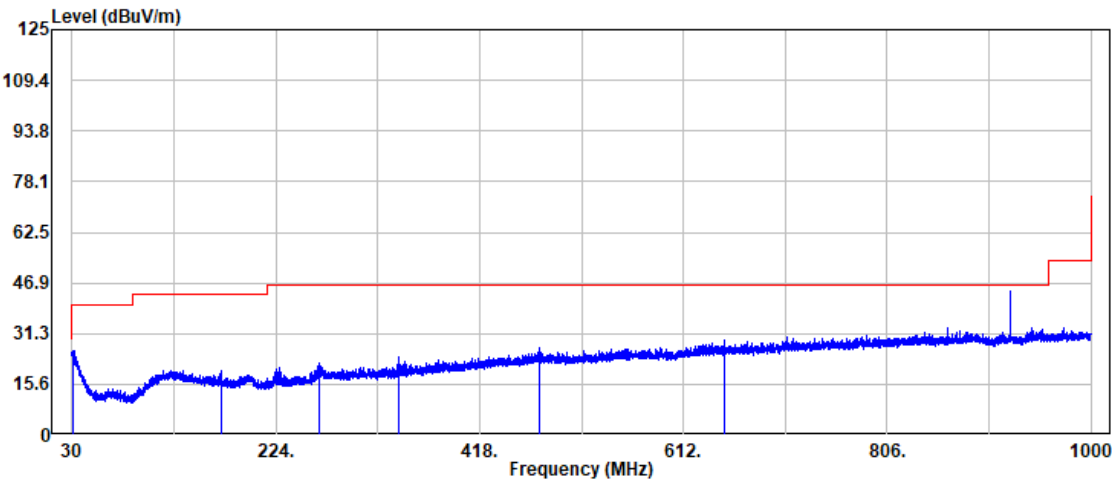
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
30.30	28.98	-2.94	26.04	40.00	-13.96	Peak
383.00	32.03	-7.33	24.70	46.00	-21.30	Peak
485.50	30.75	-4.33	26.42	46.00	-19.58	Peak
574.70	30.66	-2.97	27.69	46.00	-18.31	Peak
863.60	38.92	1.21	40.13	46.00	-5.87	Peak
983.60	36.66	2.82	39.48	54.00	-14.52	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 913.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: H	Test Chamber	: 966A
Setting	: External antenna		



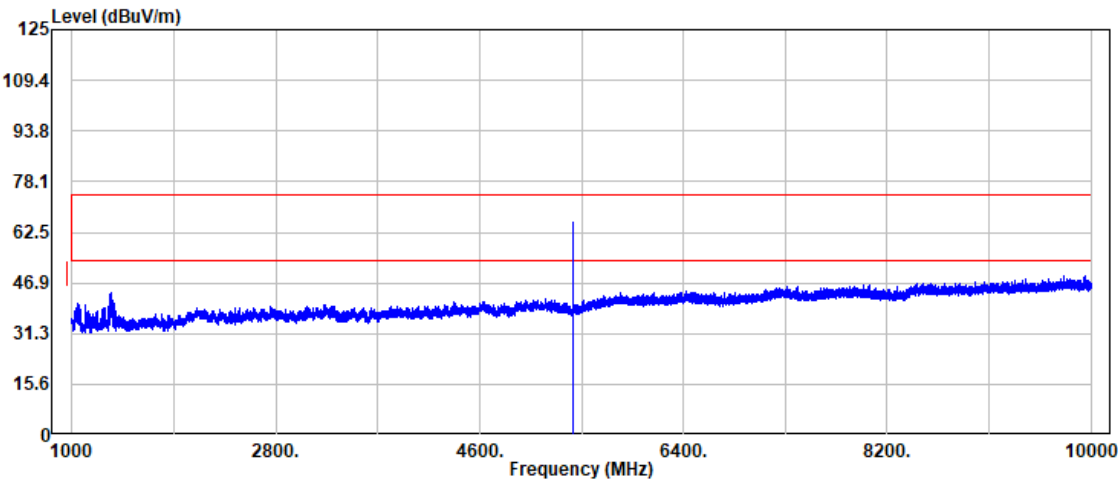
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
30.40	29.18	-3.01	26.17	40.00	-13.83	Peak
172.30	31.73	-11.69	20.04	43.50	-23.46	Peak
265.60	32.05	-9.85	22.20	46.00	-23.80	Peak
340.60	32.50	-8.57	23.93	46.00	-22.07	Peak
474.90	31.24	-4.50	26.74	46.00	-19.26	Peak
651.40	30.76	-1.51	29.25	46.00	-16.75	Peak



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: External antenna		



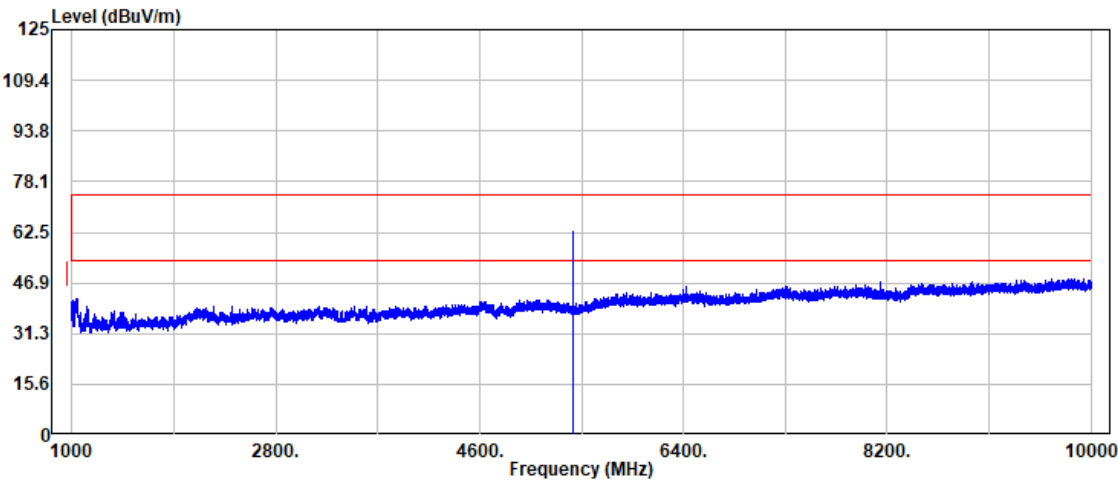
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5424.00	58.75	4.13	62.88	74.00	-11.12	Peak
5424.00	34.57	4.13	38.70	54.00	-15.30	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 904 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: External antenna		



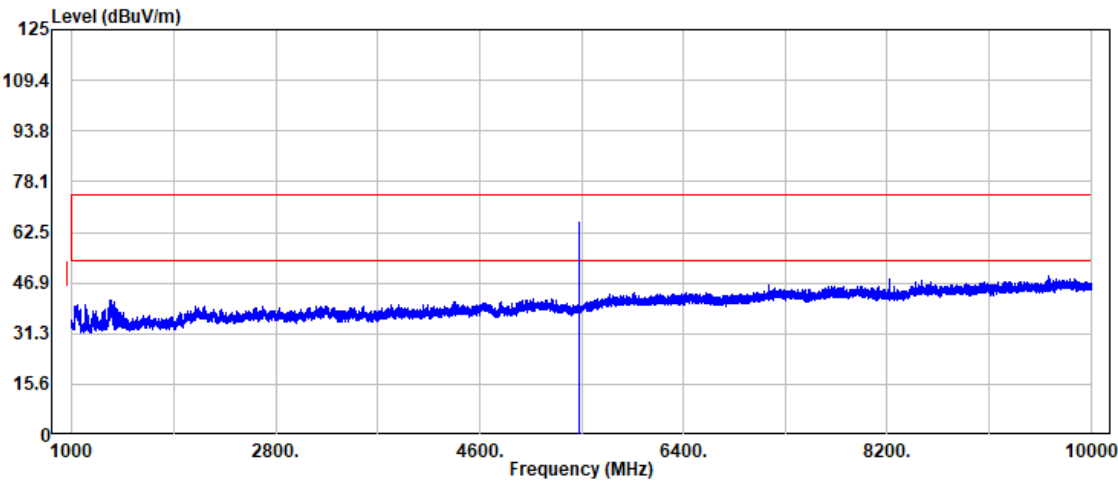
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5424.00	56.60	4.13	60.73	74.00	-13.27	Peak
5424.00	34.10	4.13	38.23	54.00	-15.77	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 913.6 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: External antenna		



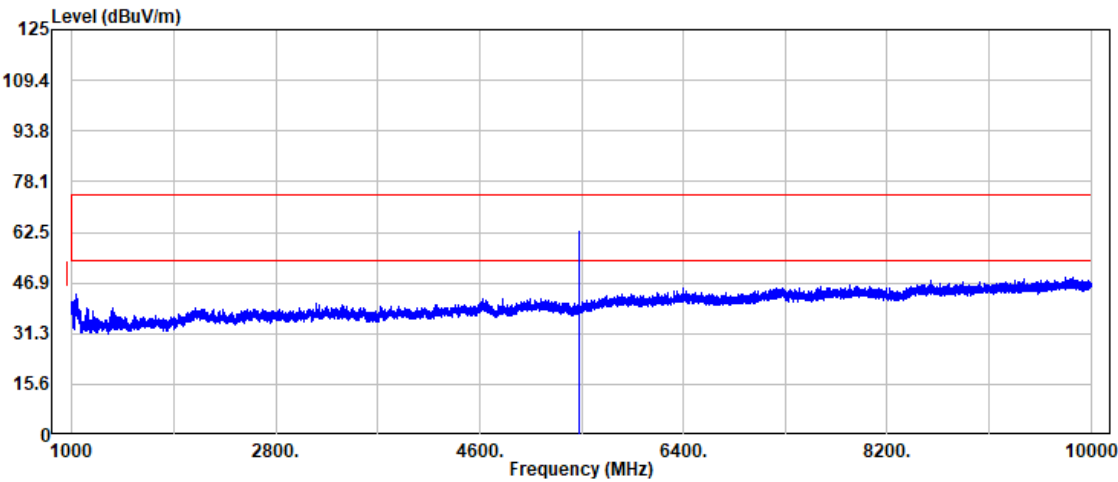
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5481.60	61.37	4.26	65.63	74.00	-8.37	Peak
5481.60	34.70	4.26	38.96	54.00	-15.04	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 913.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: External antenna		



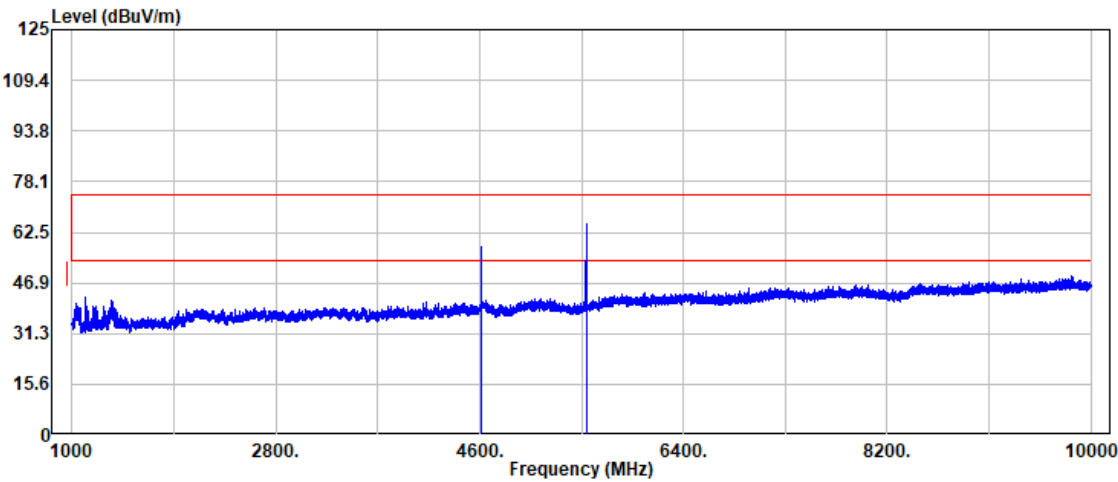
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5481.60	58.35	4.26	62.61	74.00	-11.39	Peak
5481.60	34.87	4.26	39.13	54.00	-14.87	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: External antenna		



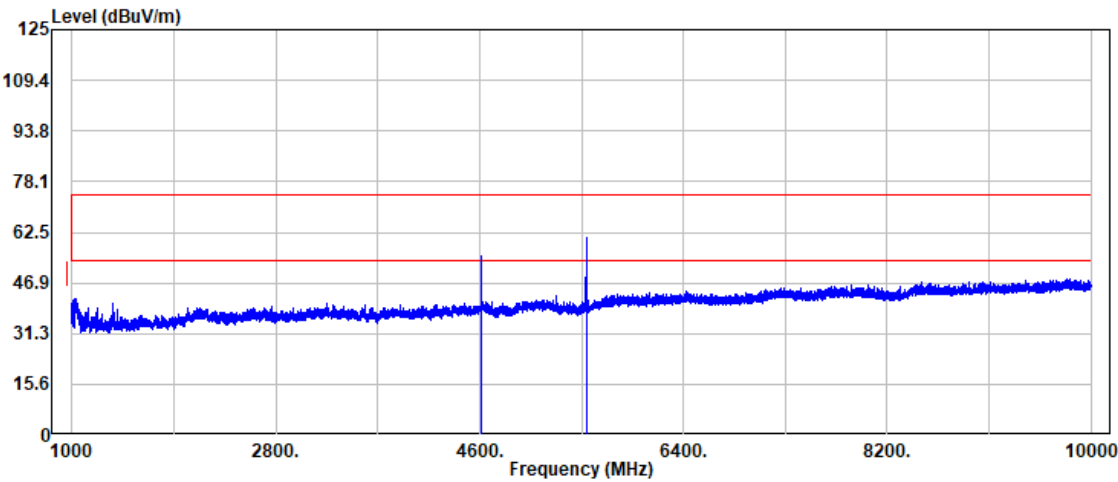
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4618.00	54.16	2.83	56.99	74.00	-17.01	Peak
4618.00	35.36	2.83	38.19	54.00	-15.81	Average
5541.60	59.54	4.56	64.10	74.00	-9.90	Peak
5541.60	36.41	4.56	40.97	54.00	-13.03	Average



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Project No	: TM-2602000330P	Test Date	: 2026-05-06
Operation Band	: 900 MHz	Temp./Humi.	: 25.6/55
Frequency	: 923.6 MHz	Antenna Pol.	: HORIZONTAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	: External antenna		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4618.00	51.53	2.83	54.36	74.00	-19.64	Peak
4618.00	35.53	2.83	38.36	54.00	-15.64	Average
5541.60	56.92	4.56	61.48	74.00	-12.52	Peak
5541.60	36.10	4.56	40.66	54.00	-13.34	Average

--End of Test Report--