

FCC Test Report

Report No.: AGC16664240901FR01

FCC ID	:	2BG8MMO-RC020304
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	OFF-ROAD UTV
BRAND NAME	:	N/A
MODEL NAME	:	MO-RC04, MO-RC02, MO-RC03
APPLICANT	:	SILVERSTAR NYC LLC
DATE OF ISSUE	:	Sep. 24, 2024
STANDARD(S)	:	FCC Part 15 Subpart C §15.227
REPORT VERSION	:	V1.0







Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes	
V1.0	/	Sep. 24, 2024	Valid	Initial Release	



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1. General Information

Applicant	SILVERSTAR NYC LLC
Address	2041 MCDONALD AVE, BROOKLYN, New York 11223, United states
Manufacturer	SILVERSTAR NYC LLC
Address	2041 MCDONALD AVE, BROOKLYN, New York 11223, United states
Factory	SILVERSTAR NYC LLC
Address	2041 MCDONALD AVE, BROOKLYN, New York 11223, United states
Product Designation	OFF-ROAD UTV
Brand Name	N/A
Test Model	MO-RC04
Series Model(s)	MO-RC02, MO-RC03
Difference Description	All the same except for the model name.
Date of receipt of test item	Sep. 11, 2024
Date of Test	Sep. 11, 2024 to Sep. 24, 2024
Deviation from Standard	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Test Report Form No	AGCER-FCC-SRD27MHz-V1

Note: The test results of this report relate only to the tested sample identified in this report.

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Sep. 24, 2024

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Sep. 24, 2024

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Sep. 24, 2024



2. Product Information

2.1 Product Technical Description

Operation Frequency	27.145MHz
Hardware Version	V1.0
Software Version	V1.0
Modulation Type	АМ
Number of channels	1
Field Strength of Fundamental	61.38dBµV/m
Antenna Designation	Dipole Antenna
Antenna Gain	5dBi
Power Supply	DC 3.0V by battery

2.2 Test Frequency List

Frequency Band Channel Number		Test Frequency	
26.96~27.28 MHz	01	27.145 MHz	



2.3 Related Submittal(S) / Grant (S)

This submittal(s) (test report) is intended for FCC ID: **2BG8MMO-RC020304**, filing to comply with Part 2, Part 15 of the Federal Communication Commission rules.

2.4 Test Methodology

The tests were performed according to following standards:

No.	Identity	Document Title				
1	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations				
2	FCC 47 CFR Part 15	Radio Frequency Devices				
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices				

2.5 Special Accessories

Not available for this EUT intended for grant.

2.6 Equipment Modifications

Not available for this EUT intended for grant.

2.7 Antenna Requirement

Standard Requirement

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 external non-detachable the device cannot be replaced by the user at will. The gain of the antenna is 5dBi.



3. Test Environment

3.1 Address of The Test Laboratory

Laboratory: Attestation of Global Compliance (Shenzhen) Co., Ltd.

Address: 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

3.2 Test Facility

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

CNAS-Lab Code: L5488

Attestation of Global Compliance (Shenzhen) Co., Ltd. has been assessed and proved to follow CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories.)

A2LA-Lab Cert. No.: 5054.02

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to follow ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 975832

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files with Registration 975832.

IC-Registration No.: 24842(CAB identifier: CN0063)

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842.



3.3 Environmental Conditions

	Normal Conditions
Temperature range (°C)	15 - 35
Relative humidity range	20 % - 75 %
Pressure range (kPa)	86 - 106
Power supply	DC 3.0V

3.4 Measurement Uncertainty

The reported uncertainty of measurement y $\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Item	Measurement Uncertainty
Uncertainty of Conducted Emission for AC Port	$U_c = \pm 2.9 \text{ dB}$
Uncertainty of Radiated Emission below 150kHz	$U_c = \pm 4.2 \text{ dB}$
Uncertainty of Radiated Emission below 30MHz	$U_c = \pm 3.8 \text{ dB}$
Uncertainty of Radiated Emission below 1GHz	$U_c = \pm 3.9 \text{ dB}$
Uncertainty of total RF power, conducted	$U_c = \pm 0.8 \text{ dB}$
Uncertainty of RF power density, conducted	$U_c = \pm 2.6 \text{ dB}$
Uncertainty of spurious emissions, conducted	U _c = ±2 %
Uncertainty of Occupied Channel Bandwidth	U _c = ±2 %



3.5 List of Equipment Used

• F	RF Conducted Test System								
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)		
\square	AGC-ER-E036	Spectrum Analyzer	Agilent	N9020A	MY49100060	2024-05-24	2025-05-23		
\boxtimes	AGC-ER-E062	Power Sensor	Agilent	U2021XA	MY54110007	2024-02-01	2025-01-31		
\boxtimes	AGC-ER-E063	Power Sensor	Agilent	U2021XA	MY54110009	2024-02-01	2025-01-31		
	AGC-ER-A001	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	2023-09-21	2025-09-20		
	N/A	RF Connection Cable	N/A	1#	N/A	Each time	N/A		
\boxtimes	N/A	RF Connection Cable	N/A	2#	N/A	Each time	N/A		
Radiated Spurious Emission									
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)		

Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
	AGC-EM-E046	EMI Test Receiver	R&S	ESCI	10096	2024-02-01	2025-01-31
\square	AGC-EM-E116	EMI Test Receiver	R&S	ESCI	100034	2024-05-24	2025-05-23
\square	AGC-EM-E061	Spectrum Analyzer	Agilent	N9010A	MY53470504	2024-05-28	2025-05-27
\square	AGC-EM-E086	Loop Antenna	ZHINAN	ZN30900C	18051	2024-03-05	2026-03-04
\boxtimes	AGC-EM-E001	Wideband Antenna	SCHWARZBECK	VULB9168	D69250	2023-05-11	2025-05-10
	AGC-EM-E029	Broadband Ridged Horn Antenna	ETS	3117	00034609	2024-03-31	2025-03-30
	AGC-EM-E082	Horn Antenna	SCHWARZBECK	BBHA 9170	#768	2023-09-24	2025-09-23
	AGC-EM-E146	Pre-amplifier	ETS	3117-PA	00246148	2024-07-24	2026-07-23
	AGC-EM-A119	2.4G Filter	SongYi	N/A	N/A	2024-05-23	2025-05-22
\square	AGC-EM-A138	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	2023-06-09	2025-06-08
	AGC-EM-A139	6dB Attenuator	Eeatsheep	LM-XX-6-5W	N/A	2023-06-09	2025-06-08

• /	AC Power Line Conducted Emission								
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)		
	AGC-EM-E045	EMI Test Receiver	R&S	ESPI	101206	2024-05-28	2025-05-27		
	AGC-EM-A130	6dB Attenuator	Eeatsheep	LM-XX-6-5W	DC-6GZ	2023-06-09	2025-06-08		
	AGC-EM-E023	AMN	R&S	100086	ESH2-Z5	2024-05-28	2025-05-27		



● Te:	Test Software								
Used Equipment No. Test Equipment Manufacturer Model No. Version I									
	AGC-EM-S001	CE Test System	R&S	ES-K1	V1.71				
\boxtimes	AGC-EM-S003	RE Test System	FARA	EZ-EMC	VRA-03A				
\boxtimes	AGC-ER-S012	BT/WIFI Test System	Tonscend	JS1120-2	2.6				



4. System Test Configuration

4.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

4.2 EUT Exercise

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

4.3 Configuration of Tested System

Radiated Emission Configure:



4.4 Equipment Used in Tested System

The following peripheral devices and interface cables were connected during the measurement: Test Accessories Come From The Laboratory

No.	Equipment	Model No.	Manufacturer	Specification Information	Cable				
1									
\Box	Test Accessories Come From The Manufacturer								

No.	Equipment	Model No.	Manufacturer	Specification Information	Cable
1					



4.5 Summary of Test Results

ltem	FCC Rules	Description Of Test	Result
1	§15.203	Antenna Equipment	Pass
2	15.227(a)	Field Strength of Fundamental	Pass
3	§15.209	Radiated Emission	Pass
4	§15.215(c)	20dB Bandwidth	Pass
5	§15.205(a)	Restricted Bands of Operation	Pass
6	§15.207	AC Power Line Conducted Emission	Not applicable

Note: The device under test is battery-powered and does not require evaluation of AC Power Line Conducted Emission.



5. Description of Test Modes

	Summary table of Test Cases						
	Equipment Type / Modulation						
Test Item	Short Range Wireless Device/ AM						
Radiated & Conducted Test Cases	Mode 1: TX _27.145 MHz						
AC Conducted Emission	Not applicable						
Note:							
1. Only the result of the worst case was recorded in the report, if no other cases.							
2. The battery is full-charged during the test.							

3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.



6. Field Strength of Fundamental and Radiated Emission

6.1 Provisions Applicable

15.209 Limit in the below table has to be followed:

Frequency	Distance	Field Strengths Limit		
(MHz)	Meters	μV/m	dBµV/m	
0.009 ~ 0.490	300	2400/F(kHz)		
0.490 ~ 1.705	30	24000/F(kHz)		
1.705 ~ 30	30	30		
30 ~ 88	3	100	40.0	
88 ~ 216	3	150	43.5	
216 ~ 960	3	200	46.0	
960 ~ 1000	3	500	54.0	
Above 1000	3	74.0 dB(μV) 54.0 dB(μV)/n		

Remark:

1) Emission level dB μ V = 20 log Emission level μ V/m

2) The smaller limit shall apply at the cross point between two frequency bands.

3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

15.227(a) Limit in the below table has to be followed:

Fundamental Frequency	Field Strength of Fundamental		
	(microvolts/meter)		
26.96-27.28MHz	10000		

6.2 Measurement Procedure

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement



antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1GHz~26.5GHz 1MHz/3MHz for Peak, 1MHz/3MHz for Average

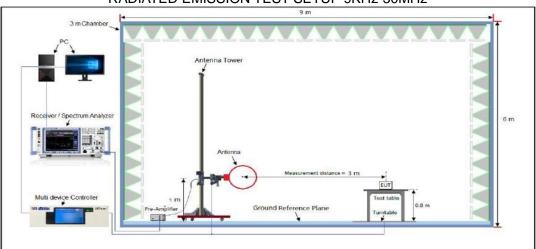
The following table is the setting of spectrum analyzer and receiver.

Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

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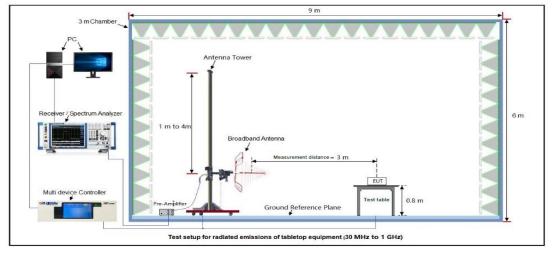


6.3 Measurement Setup (Block Diagram Of Configuration)



RADIATED EMISSION TEST SETUP 9KHz-30MHz

RADIATED EMISSION TEST SETUP 30MHz-1000MHz





6.4 Measurement Result

Field Strength of Fundamental

EUT Name OFF-ROAD UT		F-ROAD UTV		Model Name		MO-RC04		
Temperature	9	23.1°C	23.1°C		Relative Humidity		58.7%	
Pressure		960hPa			Test Voltage		Normal Voltage	
Test Mode Mode 1		Mode 1			Antenna		Face/Side	
			Quasi-p	bea	ak Value			
Frequency (MHz)			Correction Factor dB/m		Field Strength Limit @3m (dBµV/m) (dBµV/m)			E-Field Polarity
27.145 25.68		29.51		55.19	80		Face	
27.145		31.87	29.51		61.38	61.38 80		Side

RESULT: Pass

Note: Corr. Factor= Antenna Factor (dB/m) + Cable Loss (dB)



	Electric	Field lest i	n The Freq	uency Range	9KHZ-150	KHZ	
EUT Name	OFF-ROAD	UTV		Model Name	•	MO-RC)4
Temperature	22.9°C			Relative Hu	nidity	59.1%	
Pressure	960hPa			Test Voltage	•	Normal	Voltage
Test Mode	Mode 1			Antenna		Horizont	al
132.0 dBuV/i	MMM Show MAN		(MHz)				
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	0.0103	8.15	43.44	51.59	127.14	-75.55	peak
2	0.0144	6.13	41.13	47.26	124.25	-76.99	peak
3	0.0317	4.52	35.44	39.96	117.44	-77.48	peak
4	0.0430	2.73	34.13	36.86	114.80	-77.94	peak
5	0.0652	1.41	32.87	34.28	111.21	-76.93	peak
6 *	0.1322	-0.01	32.30	32.29	105.11	-72.82	peak

Electric Field Test in The Frequency Range 9kHz-150kHz

RESULT: PASS



	Electric Field Test in The Frequency Range 9kHz-150kHz								
EUT Name	OFF-ROAD	UTV		Model Name		MO-RC04			
Temperature	22.9°C			Relative Hur	nidity	59.1%			
Pressure	960hPa			Test Voltage		Normal	Voltage		
Test Mode	Mode 1			Antenna		Vertical			
72							gin:		
0.009			(MHz)				0.150		
No. M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector		
1	0.0097	6.35	43.77	50.12	127.66	-77.54	peak		
2	0.0111	5.38	42.99	48.37	126.50	-78.13	peak		
3	0.0302	3.07	35.63	38.70	117.85	-79.15	peak		
4	0.0606	1.60	33.04	34.64	111.84	-77.20	peak		
5	0.0940	0.56	32.20	32.76	108.05	-75.29	peak		
6 *	0.1457	0.05	32.37	32.42	104.27	-71.85	peak		

Electric Field Test in The Frequency Range 9kHz-150kHz

RESULT: Pass



EUT Nam	ne	OFF-ROAD	UTV		Model Name)	MO-RC04			
Tempera	ature	22.9°C			Relative Hur	midity	59.1%			
Pressure	е	960hPa			Test Voltage	•	Normal Voltage			
Test Mod	de	Mode 1		Antenna		Horizon	tal			
	122.0 dBuV						Limit: Marg			
	2.0 0.150		1.5	Ayanlua (in Ayan hanari (MHz)	5	and mental mental and men	n Monarkan	30.000		
-	2.0		n.5 Reading	(MH2) Correct	5 Measure-					
-	2.0	. Freq.	Reading Level	(MH2) Correct Factor	5 Measure- ment	Limit	Over	30.000		
-	2.0	. Freq. MHz	Reading Level dBuV	(MH2) Correct Factor dB	5 Measure- ment dBuV/m	Limit dBuV/m	Over dB	30.000		
-	2.0	. Freq.	Reading Level	(MH2) Correct Factor	5 Measure- ment	Limit	Over	30.000		
-	2.0	. Freq. MHz	Reading Level dBuV	(MH2) Correct Factor dB	5 Measure- ment dBuV/m	Limit dBuV/m	Over dB	30.000		
-	2.0 0.150 No. Mk	. Freq. MHz 0.2802	Reading Level dBuV 18.35	(MHz) Correct Factor dB 32.46	5 Measure- ment dBuV/m 50.81	Limit dBuV/m 98.62	Over dB -47.81 -46.53	30.000 Detector peak		
-	2.0 0.150 No. Mk	. Freq. МНz 0.2802 0.3183	Reading Level dBuV 18.35 18.60	(MHz) Correct Factor dB 32.46 32.39	5 Measure- ment dBuV/m 50.81 50.99	Limit dBuV/m 98.62 97.52	Over dB -47.81 -46.53	Detector peak peak		
-	2.0 0.150 No. Mk 1 2 3	. Freq. МНz 0.2802 0.3183 0.3410	Reading Level dBuV 18.35 18.60 18.03	(MHz) Correct Factor dB 32.46 32.39 32.37	5 Measure- ment dBuV/m 50.81 50.99 50.40	Limit dBuV/m 98.62 97.52 96.93	Over dB -47.81 -46.53 -46.53 -44.91	Detector peak peak peak		

Electric Field Test in The Frequency Range 150kHz-30MHz

RESULT: Pass



	Electric	Field Test ir	n The Freque	ency Range 1	50kHz-30	MHz			
EUT Name	OFF-ROAD) UTV		Model Name	MO-RC04				
Temperature	22.9°C			Relative Hur	59.1%				
Pressure	960hPa			Test Voltage	!	Normal	Voltage		
Test Mode	Mode 1			Antenna		Vertical			
2.0						Limit Marg	in:		
0.150	J	0.5	(MHz)	5			30.000		
No.	Mk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector		
1	0.2772	18.10	32.47	50.57	98.72	-48.15	peak		
2	0.3464	17.50	32.36	49.86	96.79	-46.93	peak		
3	0.5020	17.18	32.21	49.39	73.59	-24.20	peak		
4	0.5731	0.5731 14.01		0.5731 14.01 3		46.20	72.44	-26.24	peak
5	0.8663	9.73	32.11	41.84	68.85	-27.01	peak		
6	* 27.1450	31.87	29.51	61.38	69.54	-8.16	peak		

Electric Field Test in The Frequency Range 150kHz-30MHz

RESULT: Pass

Note:

- 1. Quasi-Peak detector is used for frequency below 30MHz.
- 2. Negative value in the margin column shows emission below limit.
- 3. All measurements were made with 0.6m loop antenna at 3m distance. All emissions are below the QP limit.
- 4. Corr. Factor= Antenna Factor (dB/m) + Cable Loss (dB)
- 5. Loop antenna is used for the emission under 30MHz.



EUT Nar	ne	OFF-ROAD UTV						Model N	lame	MC	D-RC04
Tempera	ature		2	22.9°	С			Relative	Humidity	y 59.	1%
Pressure	ssure 960hPa						Test Vol	tage	No	rmal Voltage	
Test Mo	de		Ν	Node	e 1			Antenna	a	Ho	rizontal
	72.0	dBuV/m									mit: —
	32	1				2	41441/	Marken and Mark	runne fra	M	
	-8 30.00		50		*/w/w/w////**		**************************************			500 500	700 1000 000
	-8 30.00	00 40	50	60	70 80		(MHz)	30	00 400	500 600	700 1000.000
			50 Fre	60		ding			00 400	500 600 Ove	
	30.00			60 €q.	70 80 Read	ding	(MHz) Correct	30 Measure-	0 400	Ove	
	30.00	Mk.	Fre	60 eq.	70 80 Read Lev	ding	(MH2) Correct Factor	Measure- ment	00 400 - Limit	Ove	r Detector
	30.00	Mk. 3	Fre MH	60 eq. lz	70 80 Read Lev dBu 7.4	ding vel	(MHz) Correct Factor dB	Measure- ment dBuV/m	0 400 - Limit dBuV/n	Ove n dB	r Detector 4 peak
	30.00 No.	Mk. 3 10	Fre мн 8.48	60 eq. 12 09 97	70 80 Read Lev dBu 7.4	ding vel uV 41	(MHz) Correct Factor dB 13.25	Measure- ment dBuV/m 20.66	00 400 Limit dBuV/n 40.00	Ove n dB -19.3	r Detector 4 peak 1 peak
	30.00 No.	Mk. 3 10 21	Fre Мн 8.48 2.35	60 eq. 12 09 97 43	70 80 Read Lev dBu 7.4 7.2 9.2	ding vel uV 41 77	(MHz) Correct Factor dB 13.25 16.22	Measure- ment dBuV/m 20.66 23.99	00 400 Limit dBuV/n 40.00 43.50	Ove dB -19.3 -19.5	r Detector 4 peak 51 peak 8 peak
	30.00 No. 1 2 3	Mk. 3 10 21 44	Fre MH 8.48 2.35 4.51	60 eq. 12 09 97 43 22	70 80 Read Lev dBu 7.4 7.2 9.2	ding /el uV 41 77 19 34	(MHz) Correct Factor dB 13.25 16.22 14.43	Measure- ment dBuV/m 20.66 23.99 23.62	00 400 Limit dBuV/n 40.00 43.50 43.50	Ove dB -19.3 -19.5 -19.8	r Detector 4 peak 51 peak 88 peak 44 peak

Radiated Emission from 30MHz ~1000MHz

RESULT: Pass



					ľ	kadi	ated	EW	ission from	1 30		100		IZ							
EUT	OFF-					OFF-ROAD UTV					Model Name					MO-RC04					
Temperature 22.9				22.9°C					Relative Humidity				59.1%								
Pressure				960)hP	a					Test Voltage					Normal Voltage					
Test Mode				Мо	de ′	1					Anten	na				Ve	rtica	I			
72	.0 dBu	iV/m															mit:	_			
-8	2 	40					I Marayan a	2 S S S S	2 K Thuế với chu được đác đác Thuế với chu được đác đác đác đác đác đác đác đác đác đá	 	Yourset	300		Word 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 500	John Carl	argin:			00	
				Reading		g	Correct	М	easur	re-								_			
N	lo. N	/k.	F	req		L	evel	-	Factor		ment		Li	mit	(Dve	r				
	MHz 1 65.3432 2 120.2766 3 298.2681 4 489.0269		Ν	MHz dBuV			dB	d	dBuV/m		dBuV/m		1	dB		Detector		r			
			432	132 10.13			17.05		27.18		40.00		-1	-12.82		peak					
			766	6	11.96			17.71		29.67		43.	50	-13.83		3	peak				
			1	8.43			18.86	2	27.29		46.	00	-1	-18.7		peak					
			0269 8.90			23.94		32.84		46.00		-1	-13.16		pe	eak					
	5	7	24.2	.61´	1		7.60		28.40		36.00		46.00		-1	-10.00		peak			
	6 *	9	52.0	937	7		7.39		30.52	3	37.91		46	00	-	-8.09)9 peak			

Radiated Emission from 30MHz ~1000MHz

RESULT: Pass

Note:

- 1. Factor=Antenna Factor + Cable loss, Over=Measurement-Limit.
- 2. All test modes had been pre-tested. The mode 1 is the worst case and recorded in the report.
- 3. The "Factor" value can be calculated automatically by software of measurement system.



7. 20dB Bandwidth Measurement

7.1 Provisions Applicable

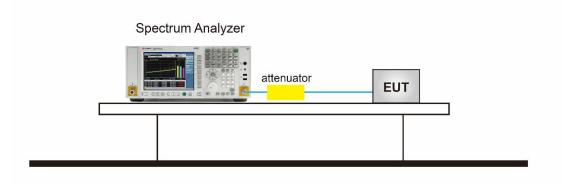
Intentional radiators must be designed to ensure that the 20dB and 99% emission bandwidth in the specific band 26.98~27.28MHz.

7.2 Measurement Procedure

Set the parameters of SPA as below:

- 1. The spectrum analyzer connected via a receive antenna placed near the EUT in peak Max hold mode.
- 2. Centre frequency = Operation Frequency
- 3. The resolution bandwidth of 300 Hz and the video bandwidth of 1 kHz were used.
- 4. Span: 50kHz, Sweep time: Auto
- 5. Set the EUT to continue transmitting mode. Allow the trace to stabilize. Use the "N dB down" function of SPA to define the bandwidth.
- 6. Measured the spectrum width with power higher than 20dB below carrier.
- 7. Measured the 99% OBW.
- 8. Record the plots and Reported.

7.3 Measurement Setup (Block Diagram of Configuration)

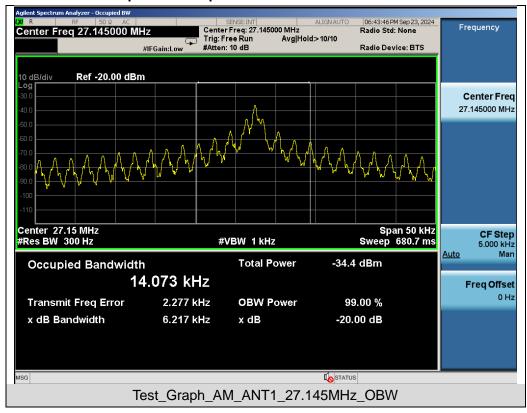




7.4 Measurement Result

	Test Data of Bandwidth Measurement							
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (kHz)	-20dB Bandwidth (kHz)	Limits (kHz)	Pass or Fail			
AM	27.145	14.073	6.217	N/A	Pass			

Test Graphs of Occupied Bandwidth and -20dB Bandwidth





8. AC Power Line Conducted Emission Test

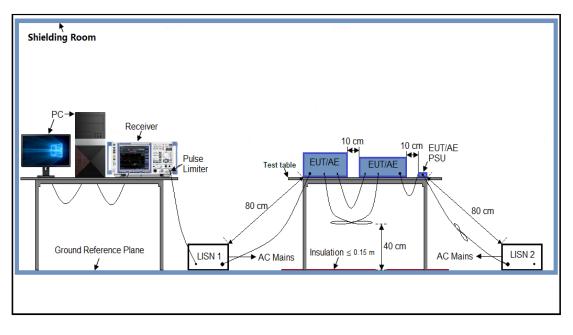
8.1 Measurement Limit

Fragmann Dance	Maximum RF Line Voltage				
Frequency Range	Q.P. (dBµV)	Average (dBµV)			
150kHz~500kHz	66-56	56-46			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Note:

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

8.2 Measurement Setup (Block Diagram of Configuration)





8.3 Preliminary Procedure of Line Conducted Emission Test

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipment received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

8.4 Final Procedure of Line Conducted Emission Test

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

8.5 Measurement Result

Not Applicable Note: This device is battery powered, there is no AC power supply



Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC16664240901AP01

Appendix II: Photographs of Test EUT

Refer to the Report No.: AGC16664240901AP02

-----End of Report-----



Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.