



Suspected Data List										
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1	132.9229	20.31	43.50	23.19	100	359	Horizontal			
2	161.0811	35.44	43.50	8.06	100	359	Horizontal			
3	191.1812	26.36	43.50	17.14	100	359	Horizontal			
4	375.6657	30.96	46.00	15.04	100	338	Horizontal			
5	445.5756	30.14	46.00	15.86	100	30	Horizontal			
6	880.5706	30.98	46.00	15.02	100	214	Horizontal			





Suspected Data List										
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1	33.8839	26.67	40.00	13.33	100	330	Vertical			
2	39.7097	25.67	40.00	14.33	100	5	Vertical			
3	48.4484	27.70	40.00	12.30	100	60	Vertical			
4	76.6066	27.52	40.00	12.48	100	330	Vertical			
5	85.3453	26.30	40.00	13.70	100	159	Vertical			
6	545.5856	31.29	46.00	14.71	100	46	Vertical			





Suspected Data List										
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1	163.994	27.63	43.50	15.87	100	246	Horizontal			
2	375.6657	31.38	46.00	14.62	100	155	Horizontal			
3	449.4595	30.68	46.00	15.32	100	356	Horizontal			
4	560.1502	28.17	46.00	17.83	100	118	Horizontal			
5	749.4895	27.68	46.00	18.32	100	342	Horizontal			
6	880.5706	30.81	46.00	15.19	100	164	Horizontal			



7.6 CONDUCTED EMISSION TEST

7.6.1 Applicable Standard

According to IC RSS-Gen 8.8

7.6.2 Conformance Limit

FCC Part 15, Subpart B, Class B

Conducted Emission Limit							
Frequency(MHz) Quasi-peak Average							
0.15-0.5	66-56	56-46					
0.5-5.0	56	46					
5.0-30.0	60	50					

Note:

1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.6.3 Test Configuration

Test according to clause 6.3 conducted emission test setup 3.

7.6.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane. Maximum procedure was performed on the highest emissions to ensure EUT compliance. Repeat above procedures until all frequency measured were complete.

7.6.5 Test Results

Pass





Site	Cond	auction #1					Phase:	L7		Temperature. 21.9
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1	*	0.1500	47.20	9.53	56.73	66.00	-9.27	QP		
2		0.1500	36.01	9.53	45.54	56.00	-10.46	AVG		
3		0.2000	41.63	9.53	51.16	63.61	-12.45	QP		
4		0.2000	28.80	9.53	38.33	53.61	-15.28	AVG		
5		0.4550	30.31	9.53	39.84	56.78	-16.94	QP		
6		0.4550	27.11	9.53	36.64	46.78	-10.14	AVG		
7		2.4650	26.95	9.55	36.50	56.00	-19.50	QP		
8		2.4650	22.66	9.55	32.21	46.00	-13.79	AVG		
9		3.0800	26.75	9.56	36.31	56.00	-19.69	QP		
10		3.0800	20.95	9.56	30.51	46.00	-15.49	AVG		
11		14.2550	28.48	9.80	38.28	60.00	-21.72	QP		
12		14.2550	23.55	9.80	33.35	50.00	-16.65	AVG		

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One	COIN						Пазе			
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1	*	0.1500	47.82	9.53	57.35	66.00	-8.65	QP		
2		0.1500	36.01	9.53	45.54	56.00	-10.46	AVG		
3		0.2000	39.89	9.53	49.42	63.61	-14.19	QP		
4		0.2000	26.92	9.53	36.45	53.61	-17.16	AVG		
5		0.2550	34.93	9.53	44.46	61.59	-17.13	QP		
6		0.2550	22.24	9.53	31.77	51.59	-19.82	AVG		
7		2.4650	26.82	9.55	36.37	56.00	-19.63	QP		
8		2.4650	22.47	9.55	32.02	46.00	-13.98	AVG		
9		3.0800	27.46	9.56	37.02	56.00	-18.98	QP		
10		3.0800	21.30	9.56	30.86	46.00	-15.14	AVG		
11		16.2050	28.13	9.85	37.98	60.00	-22.02	QP		
12		16.2050	23.52	9.85	33.37	50.00	-16.63	AVG		

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7.7 ANTENNA APPLICATION

7.7.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	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 shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217,§15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

7.7.2 Result

PASS

The EUT integrated antenna, antenna1 gain is 3.79dBi, antenna2 gain is 3.79dBi.

- Antenna uses a permanently attached antenna which is not replaceable.
- Not using a standard antenna jack or electrical connector for antenna replacement.
- The antenna has to be professionally installed (please provide method of installation).

Which in accordance to section 15.203, please refer to the internal photos.



Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	1	20.8
1	20.9	0.15	1	21.05
10	20.1	0.28	1	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

Detail of factor for radiated emission:

--- End of Report ---