

	<p>3. 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.</p> <p>4. 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 and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>6. 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.</p>
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

**Measurement data:**

*Remark:*

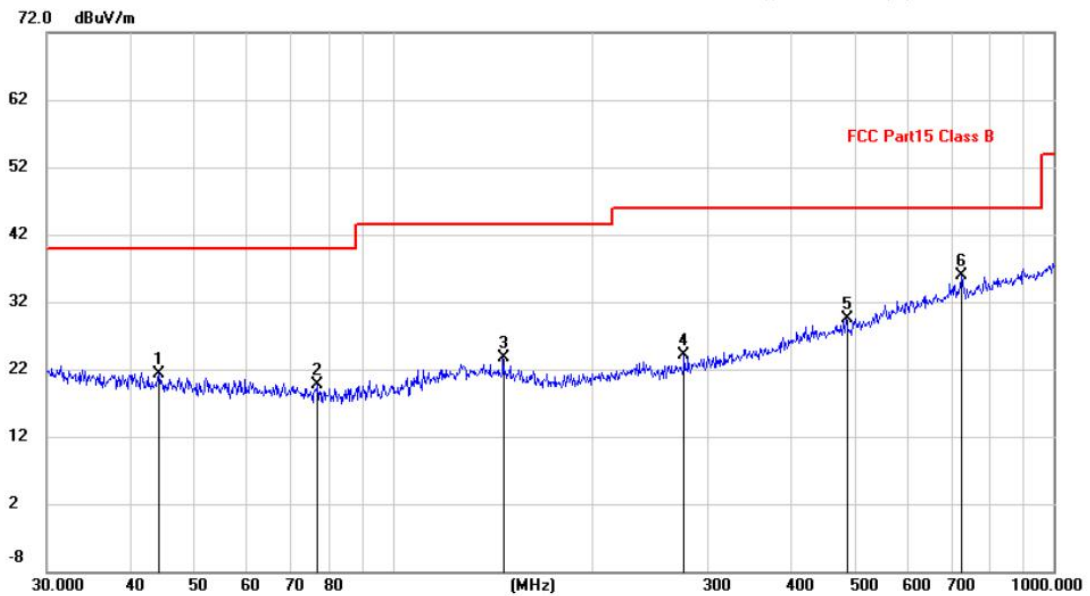
1. *During the test, pre-scan the GFSK, Pi/4QPSK, 8-DPSK modulation, and found the 8-DPSK modulation which it is worse case.*
2. *Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.*

■ **9 kHz ~ 30 MHz**

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

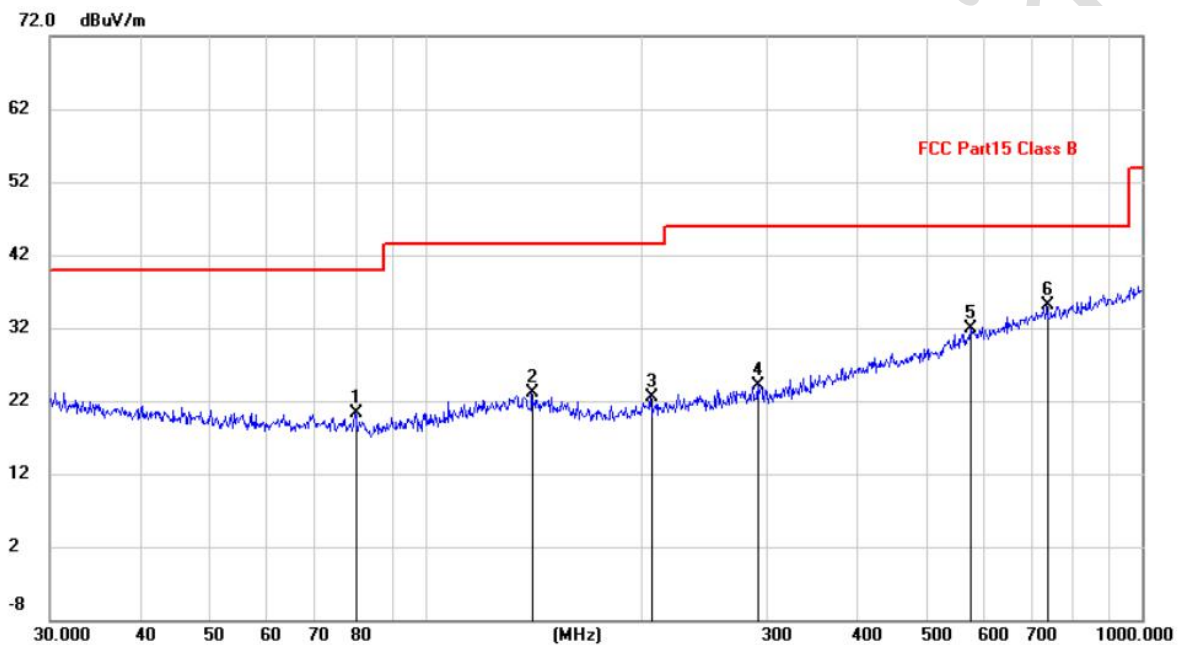
■ Below 1GHz

<b>EUT:</b>	Haylou-GT1 PLUS	<b>Polarziation:</b>	Horizontal
<b>Model:</b>	Haylou-GT1 PLUS	<b>Power Source:</b>	AC120V/60Hz
<b>Mode:</b>	BT mode	<b>Test by:</b>	Eason
<b>Temp./Hum.(%H):</b>	26°C/52%RH		
<b>Note:</b>			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		44.2752	-3.07	24.38	21.31	40.00	-18.69	QP
2		77.0505	-0.06	19.70	19.64	40.00	-20.36	QP
3		146.8877	0.51	23.28	23.79	43.50	-19.71	QP
4		276.1235	0.86	23.23	24.09	46.00	-21.91	QP
5		485.6093	0.76	28.72	29.48	46.00	-16.52	QP
6	*	726.8052	2.79	33.15	35.94	46.00	-10.06	QP

<b>EUT:</b>	Haylou-GT1 PLUS	<b>Polarziation:</b>	Vertical
<b>Model:</b>	Haylou-GT1 PLUS	<b>Power Source:</b>	AC120V/60Hz
<b>Mode:</b>	BT mode	<b>Test by:</b>	Eason
<b>Temp./Hum.(%H):</b>	26°C/52%RH		
<b>Note:</b>			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		79.8003	1.28	19.12	20.40	40.00	-19.60	QP
2		140.8351	-0.19	23.30	23.11	43.50	-20.39	QP
3		206.3976	1.93	20.50	22.43	43.50	-21.07	QP
4		291.0360	0.64	23.56	24.20	46.00	-21.80	QP
5		576.6443	1.10	30.71	31.81	46.00	-14.19	QP
6	*	737.0714	1.74	33.32	35.06	46.00	-10.94	QP

**Above 1GHz**

Test channel:	Lowest
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**Peak value:**

Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	56.44	-7.47	48.97	74.00	-25.03	Vertical
7206.00	58.88	-2.45	56.43	74.00	-17.57	Vertical
9608.00	57.48	-2.37	55.11	74.00	-18.89	Vertical
12010.00	*	*	*	74.00	*	Vertical
14412.00	*	*	*	74.00	*	Vertical
4804.00	57.58	-7.47	50.11	74.00	-23.89	Horizontal
7206.00	55.63	-2.45	53.18	74.00	-20.82	Horizontal
9608.00	56.79	-2.37	54.42	74.00	-19.58	Horizontal
12010.00	*	*	*	74.00	*	Horizontal
14412.00	*	*	*	74.00	*	Horizontal

**Average value:**

Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	49.26	-7.47	41.79	54.00	-12.21	Vertical
7206.00	44.18	-2.45	41.73	54.00	-12.27	Vertical
9608.00	47.62	-2.37	45.25	54.00	-8.75	Vertical
12010.00	*	*	*	54.00	*	Vertical
14412.00	*	*	*	54.00	*	Vertical
4804.00	49.66	-7.47	42.19	54.00	-11.81	Horizontal
7206.00	47.69	-2.45	45.24	54.00	-8.76	Horizontal
9608.00	45.67	-2.37	43.30	54.00	-10.70	Horizontal
12010.00	*	*	*	54.00	*	Horizontal
14412.00	*	*	*	54.00	*	Horizontal

**Remark:**

1. *Final Level = Receiver Read level + Correct factor*
2. *Correct factor = Antenna Factor + Cable Loss – Pre-amplifier Factor*
3. *“\*”, means this data is too weak instrument of signal is unable to test.*
4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Test channel:	Middle
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**Peak value:**

Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	54.15	-7.47	46.68	74.00	-27.32	Vertical
7323.00	56.92	-2.45	54.47	74.00	-19.53	Vertical
9764.00	55.82	-2.37	53.45	74.00	-20.55	Vertical
12205.00	*	*	*	74.00	*	Vertical
14646.00	*	*	*	74.00	*	Vertical
4882.00	55.10	-7.47	47.63	74.00	-26.37	Horizontal
7323.00	54.25	-2.45	51.80	74.00	-22.2	Horizontal
9764.00	57.13	-2.37	54.76	74.00	-19.24	Horizontal
12205.00	*	*	*	74.00	*	Horizontal
14646.00	*	*	*	74.00	*	Horizontal

**Average value:**

Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	48.25	-7.47	40.78	54.00	-13.22	Vertical
7323.00	45.26	-2.45	42.81	54.00	-11.19	Vertical
9764.00	44.74	-2.37	42.37	54.00	-11.63	Vertical
12205.00	*	*	*	54.00	*	Vertical
14646.00	*	*	*	54.00	*	Vertical
4882.00	49.70	-7.47	42.23	54.00	-11.77	Horizontal
7323.00	46.23	-2.45	43.78	54.00	-10.22	Horizontal
9764.00	48.16	-2.37	45.79	54.00	-8.21	Horizontal
12205.00	*	*	*	54.00	*	Horizontal
14646.00	*	*	*	54.00	*	Horizontal

**Remark:**

1. Final Level = Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Pre-amplifier Factor
3. “\*”, means this data is too weak instrument of signal is unable to test.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel:	Highest
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**Peak value:**

Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	51.96	-7.47	44.49	74.00	-29.51	Vertical
7440.00	57.80	-2.45	55.35	74.00	-18.65	Vertical
9920.00	56.34	-2.37	53.97	74.00	-20.03	Vertical
12400.00	*	*	*	74.00	*	Vertical
14880.00	*	*	*	74.00	*	Vertical
4960.00	55.61	-7.47	48.14	74.00	-25.86	Horizontal
7440.00	55.99	-2.45	53.54	74.00	-20.46	Horizontal
9920.00	57.58	-2.37	55.21	74.00	-18.79	Horizontal
12400.00	*	*	*	74.00	*	Horizontal
14880.00	*	*	*	74.00	*	Horizontal

**Average value:**

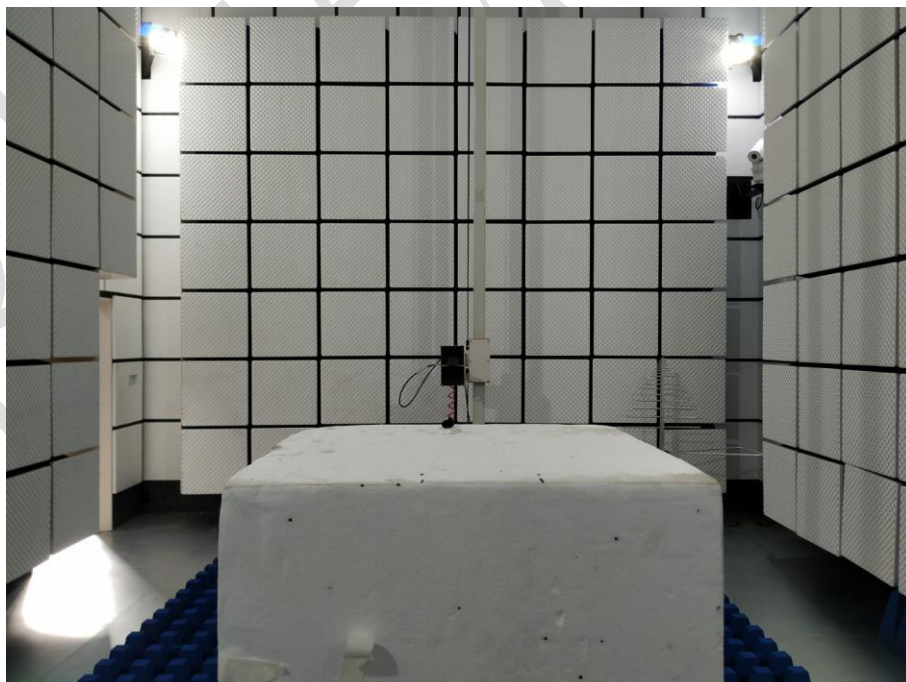
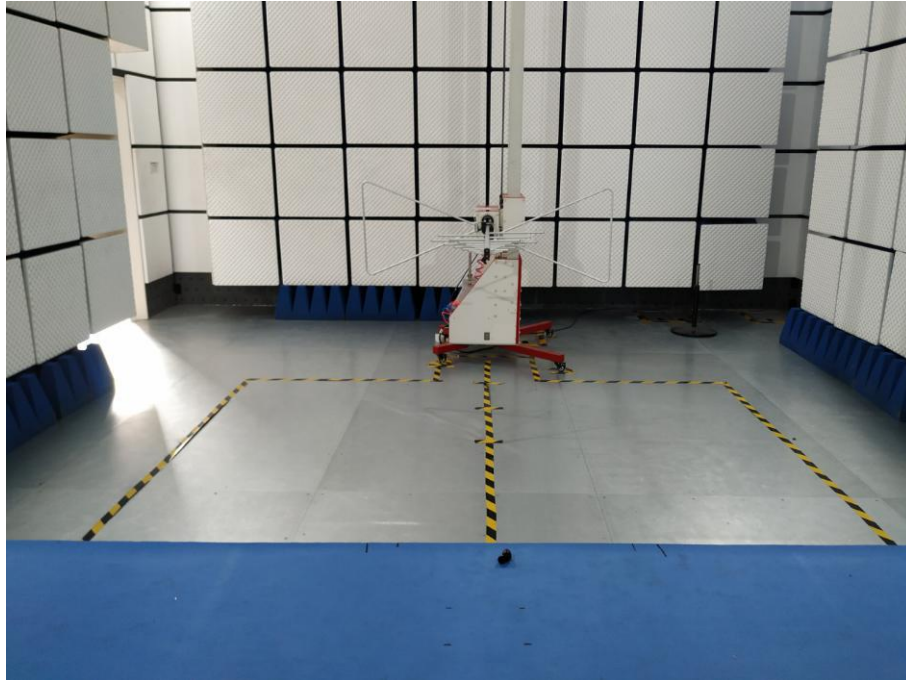
Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	43.52	-7.47	36.05	54.00	-17.95	Vertical
7440.00	45.62	-2.45	43.17	54.00	-10.83	Vertical
9920.00	47.89	-2.37	45.52	54.00	-8.48	Vertical
12400.00	*	*	*	54.00	*	Vertical
14880.00	*	*	*	54.00	*	Vertical
4960.00	49.62	-7.47	42.15	54.00	-11.85	Horizontal
7440.00	43.66	-2.45	41.21	54.00	-12.79	Horizontal
9920.00	48.56	-2.37	46.19	54.00	-7.81	Horizontal
12400.00	*	*	*	54.00	*	Horizontal
14880.00	*	*	*	54.00	*	Horizontal

*Remark:*

1. *Final Level = Receiver Read level + Correct factor*
2. *Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor*
3. *“\*”*, means this data is the too weak instrument of signal is unable to test.
4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

## 8 Test Setup Photo

Radiated Emission



Conducted Emission





## 9 EUT Constructional Details



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