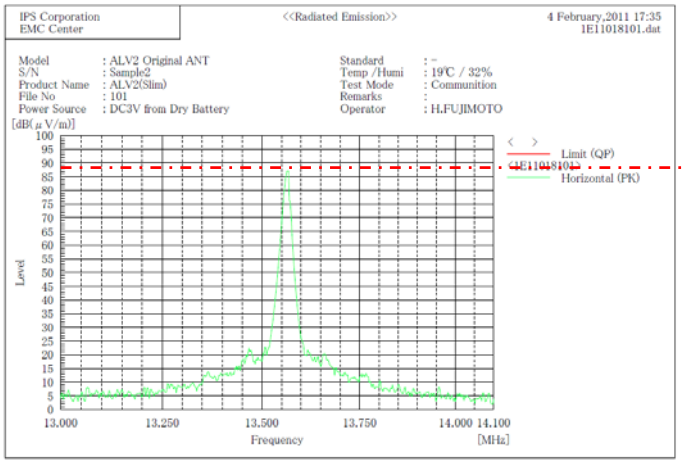
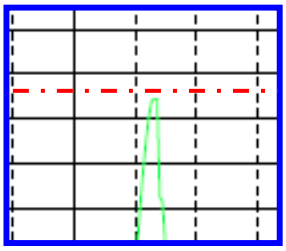
Spectrum pattern

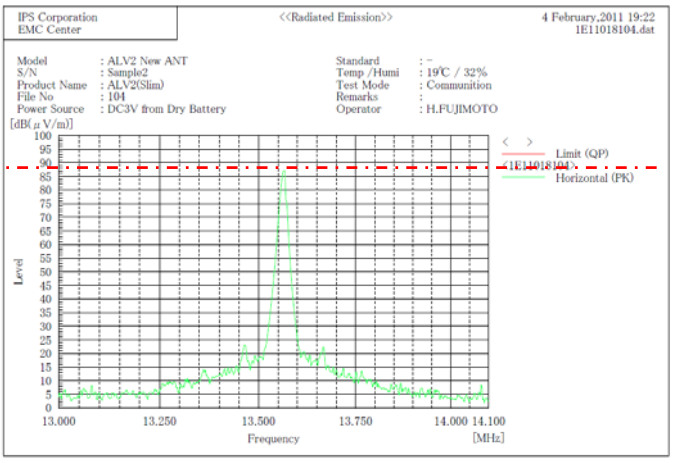
【Communication mode】

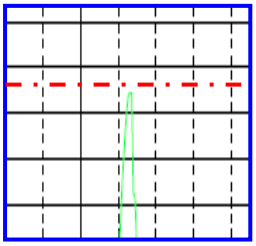
Original Antenna





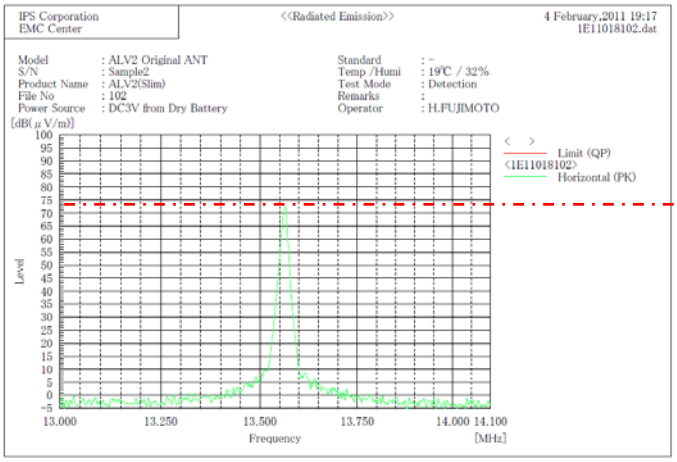
New(modified) Antenna

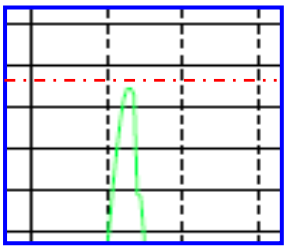




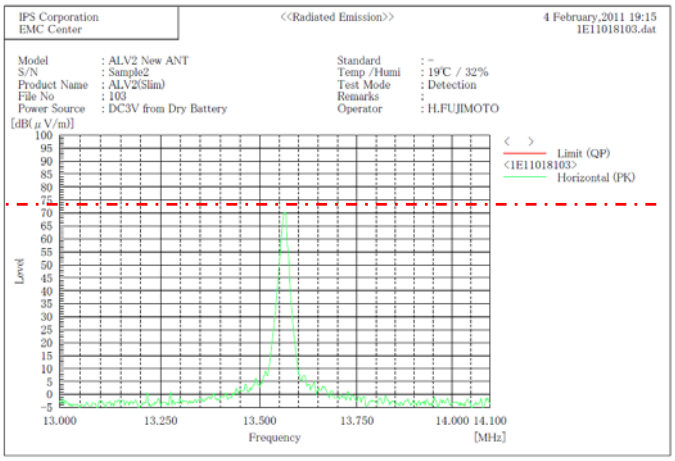
【Detection mode】

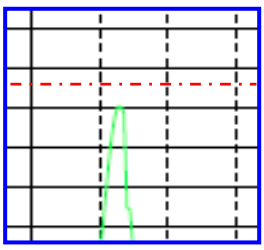
Original Antenna





New(modified) Antenna





Receiver measurement

Date:2011.2.4 Engineer:H.Fujimoto

Temp/Humi:19℃/32%

Communication mode

Frequency (MHz)	Receiver		
	Original Antenna	New (Modified) Antenna	Difference (Ori.)– (New)
13.110	0.8	0.1	–0.7
13.410	2.8	2.5	–0.3
13.553	74.2	73.7	–0.5
13.560	**88.4**	**87.6**	**–0.8**
13.567	71.9	70.7	–1.2
13.710	2.8	2.6	–0.2
14.010	–0.5	0.5	1.0

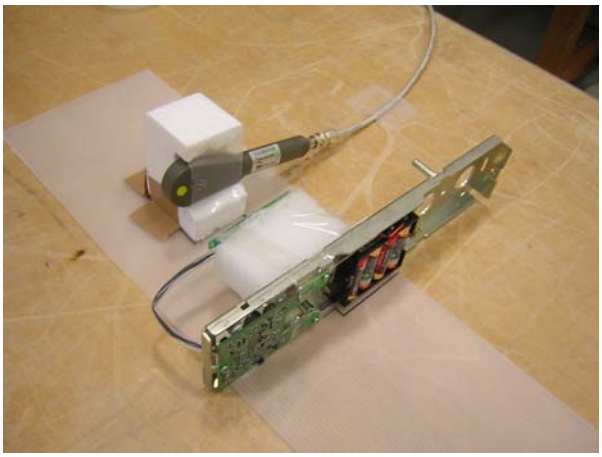
Unit: dBm

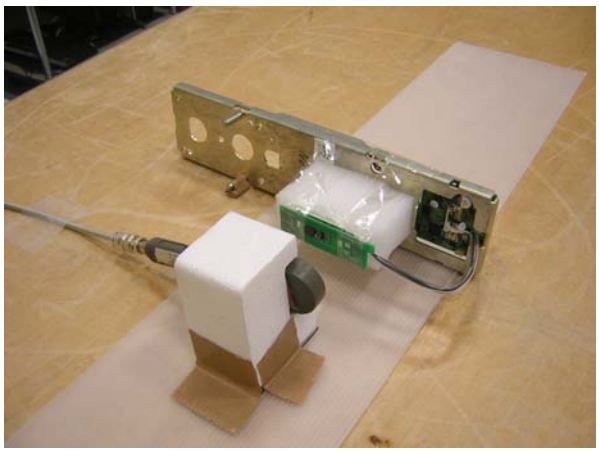
Detection mode

Frequency (MHz)	Receiver		
	Original Antenna	New (Modified) Antenna	Difference (Ori.)– (New)
13.110	–13.5	–14.9	–1.4
13.410	–10.0	–11.8	–1.8
13.553	58.2	55.8	–2.4
13.560	**72.3**	**70.0**	**–2.3**
13.567	55.8	53.4	–2.4
13.710	–11.5	–13.4	–1.9
14.010	–14.8	–15.8	–1.0

Unit: dBm

Test equipments and setup





Equipment	Manufacturer	Model	S/N	Calibrartion	
				Date	Due
Spectrum Analyzer	Rohde&Schwarz	ESIB40	100208	2010.6.4	2011.6.30
Receiver	Rohde&Schwarz	ESCS30	836858/002	2010.4.21	2011.4.30
Near Field Sensor	Anritsu	MA2601C	MA-o1	2011.1.14	2012.1.31