

Appendix C. Co-location

1. Test Mode for Co-located

Investigation has been done on all the possible configurations for searching the worst cases.

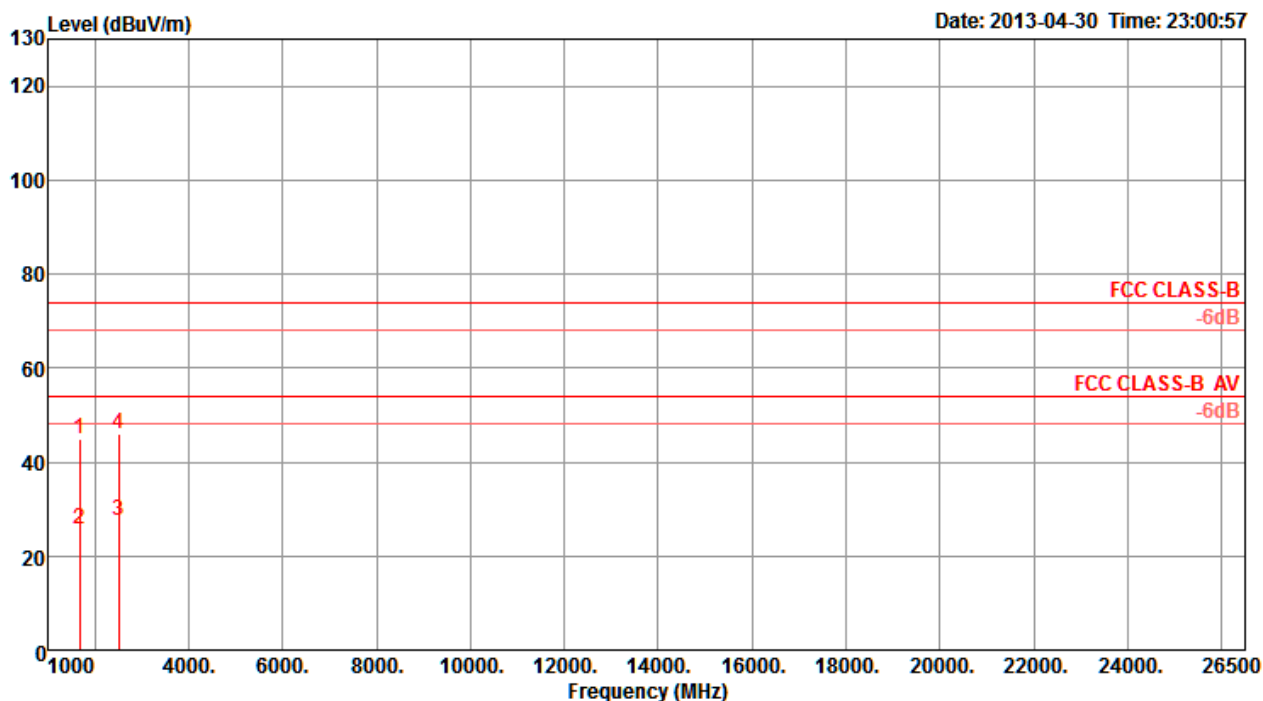
The following table is a list of the test modes shown in this test report.

Mode		GSM850	LTE	WLAN	LAN	WAN	SIM (Bottom)	Adapter
Module model: E362	1	• Link	-	• 2.4GHz	•	•	•	• Adapter 2
	2	• Link	-	• 5GHz	•	•	•	• Adapter 2
	3	-	• Link	• 2.4GHz	•	•	•	• Adapter 2
	4	-	• Link	• 5GHz	•	•	•	• Adapter 2
Module model: E371	5	• Link	-	• 2.4GHz	•	•	•	• Adapter 2
	6	• Link	-	• 5GHz	•	•	•	• Adapter 2
	7	-	• Link	• 2.4GHz	•	•	•	• Adapter 2
	8	-	• Link	• 5GHz	•	•	•	• Adapter 2
Note: After evaluating, Adapter 2 has been evaluated to be the worst case. Consequently, measurement for Co-located test will follow this same test mode.								

2. Results of Radiated Emissions for Co-located

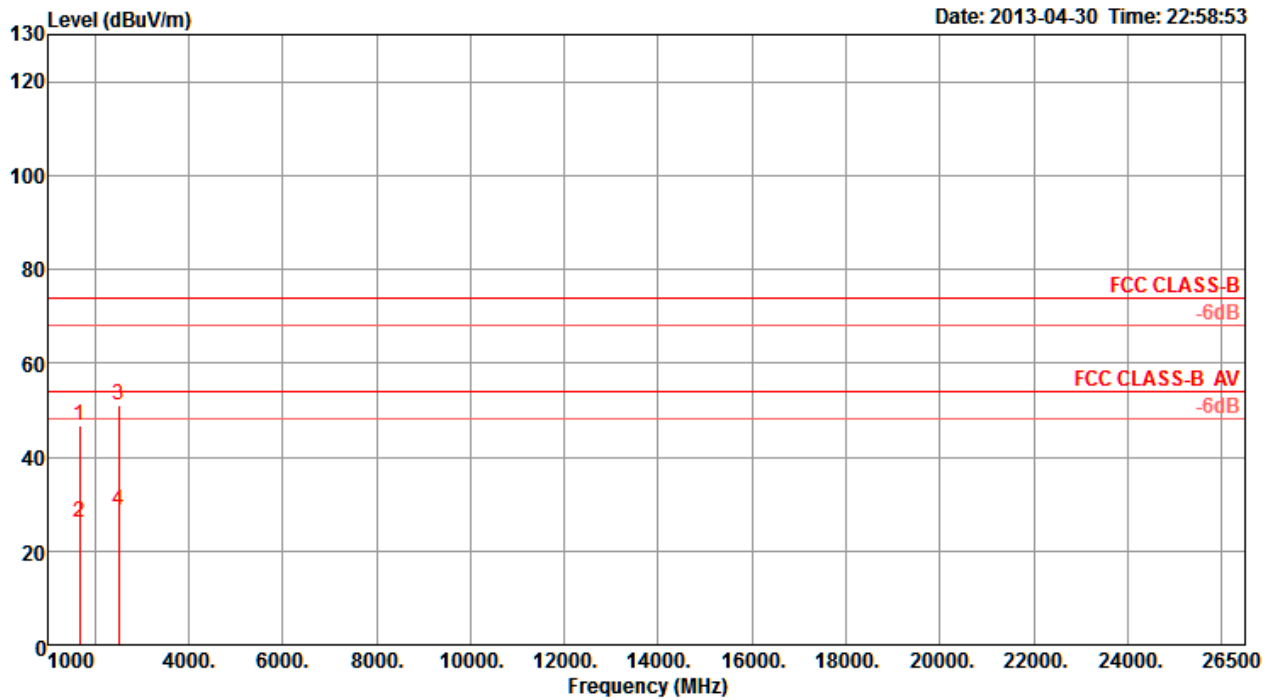
Temperature	23°C	Humidity	63%
Test Engineer	Satoshi Yang	Test Mode	Mode 1

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	1673.89	44.74	74.00	-29.26	50.76	2.40	34.96	26.54	Peak	274	100	HORIZONTAL
2	1674.00	25.84	54.00	-28.16	31.86	2.40	34.96	26.54	Average	274	100	HORIZONTAL
3 a	2511.03	27.57	54.00	-26.43	31.49	2.98	34.65	27.75	Average	258	107	HORIZONTAL
4 p	2511.08	45.93	74.00	-28.07	49.85	2.98	34.65	27.75	Peak	258	107	HORIZONTAL

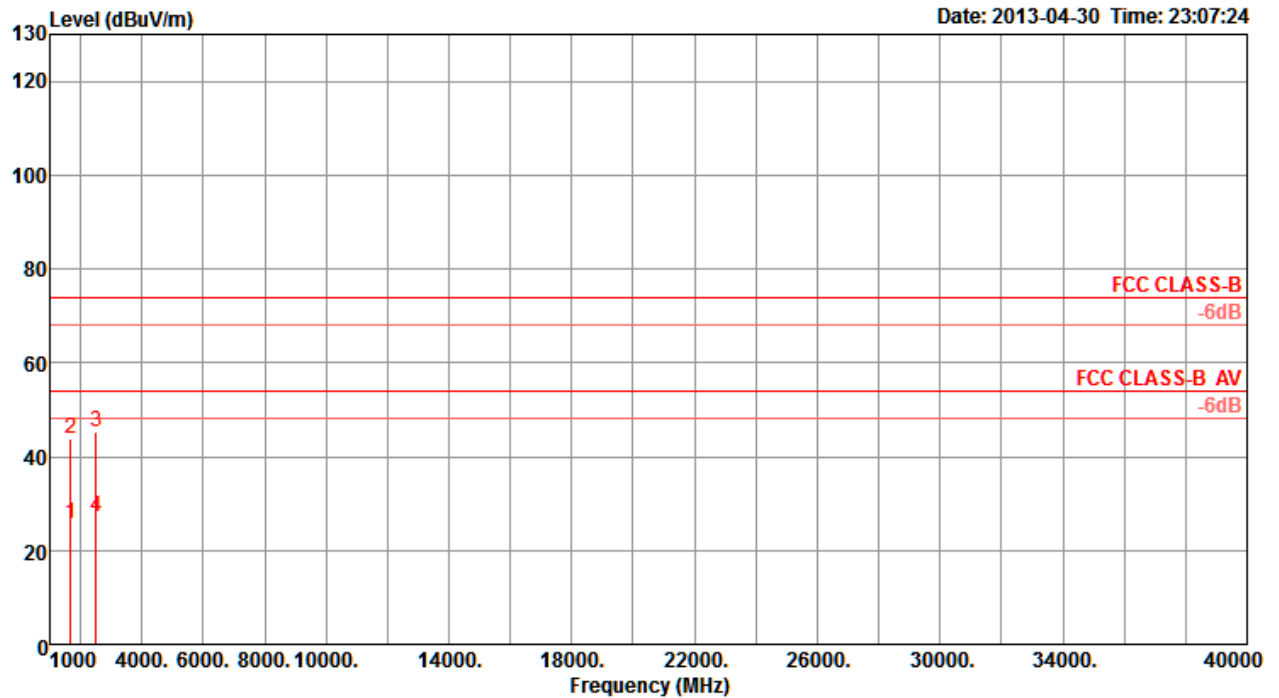
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Remark	deg	cm	
1	1673.86	46.79	74.00	-27.21	52.81	2.40	34.96	26.54	Peak	24	100	VERTICAL
2	1673.94	26.20	54.00	-27.80	32.22	2.40	34.96	26.54	Average	24	100	VERTICAL
3 p	2510.88	51.19	74.00	-22.81	55.11	2.98	34.65	27.75	Peak	38	100	VERTICAL
4 a	2510.95	28.76	54.00	-25.24	32.68	2.98	34.65	27.75	Average	38	100	VERTICAL

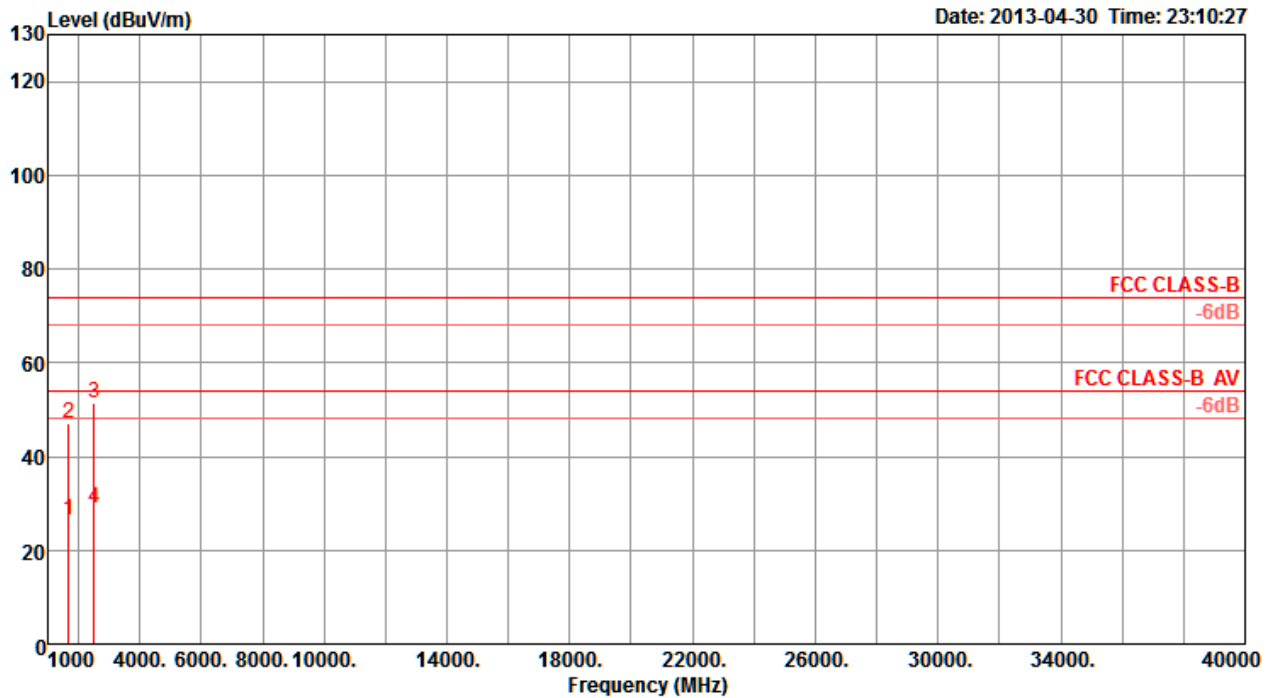
Temperature	23°C	Humidity	63%
Test Engineer	Satoshi Yang	Test Mode	Mode 2

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm	
1	1673.91	25.67	54.00	-28.33	31.69	2.40	34.96	26.54	Average	275	100	HORIZONTAL
2	1674.12	43.69	74.00	-30.31	49.71	2.40	34.96	26.54	Peak	275	100	HORIZONTAL
3 p	2510.82	45.15	74.00	-28.85	49.07	2.98	34.65	27.75	Peak	285	100	HORIZONTAL
4 a	2510.91	27.30	54.00	-26.70	31.22	2.98	34.65	27.75	Average	285	100	HORIZONTAL

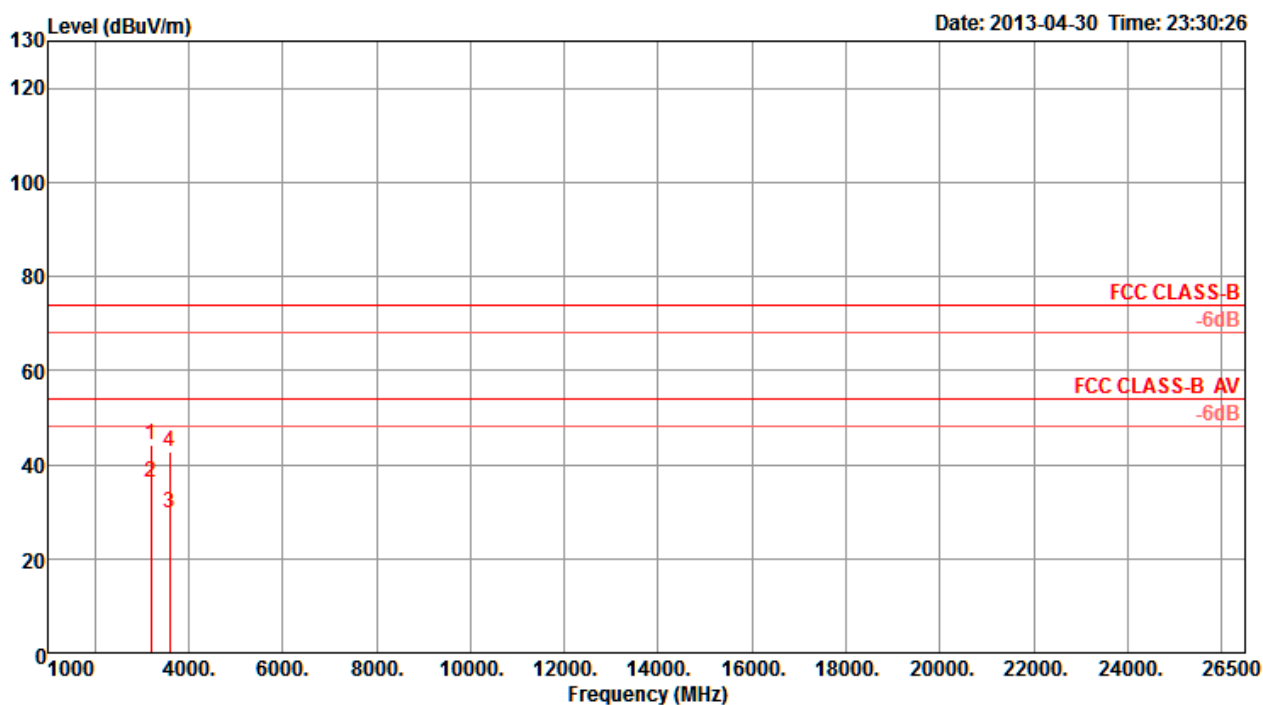
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	deg	cm	
1	1674.05	26.26	54.00	-27.74	32.28	2.40	34.96	26.54	Average	22	100	VERTICAL
2	1674.11	46.93	74.00	-27.07	52.95	2.40	34.96	26.54	Peak	22	100	VERTICAL
3 p	2510.82	51.52	74.00	-22.48	55.44	2.98	34.65	27.75	Peak	37	100	VERTICAL
4 a	2510.99	28.81	54.00	-25.19	32.73	2.98	34.65	27.75	Average	37	100	VERTICAL

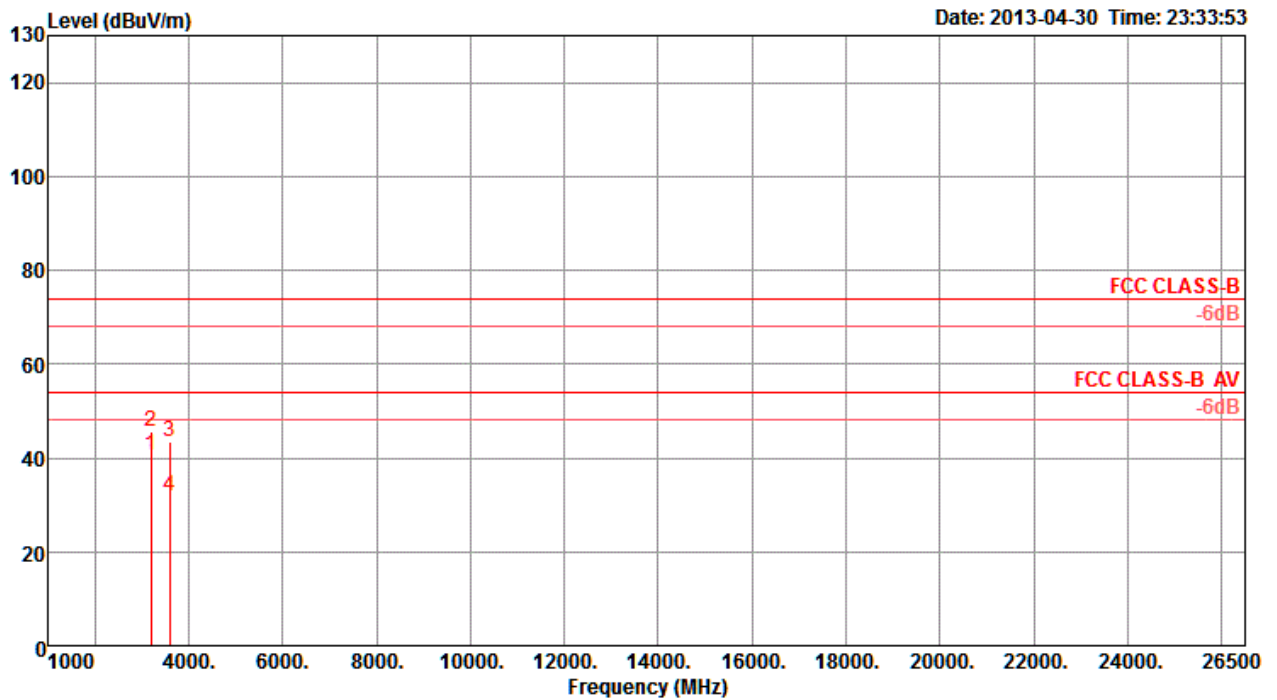
Temperature	23°C	Humidity	63%
Test Engineer	Satoshi Yang	Test Mode	Mode 3

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Remark	deg	cm	
1 p	3200.00	44.15	74.00	-29.85	46.02	3.38	34.81	29.56	Peak	123	123	HORIZONTAL
2 a	3200.03	36.38	54.00	-17.62	38.25	3.38	34.81	29.56	Average	123	123	HORIZONTAL
3	3599.96	29.66	54.00	-24.34	30.13	3.63	34.69	30.59	Average	354	100	HORIZONTAL
4	3600.19	42.59	74.00	-31.41	43.06	3.63	34.69	30.59	Peak	354	100	HORIZONTAL

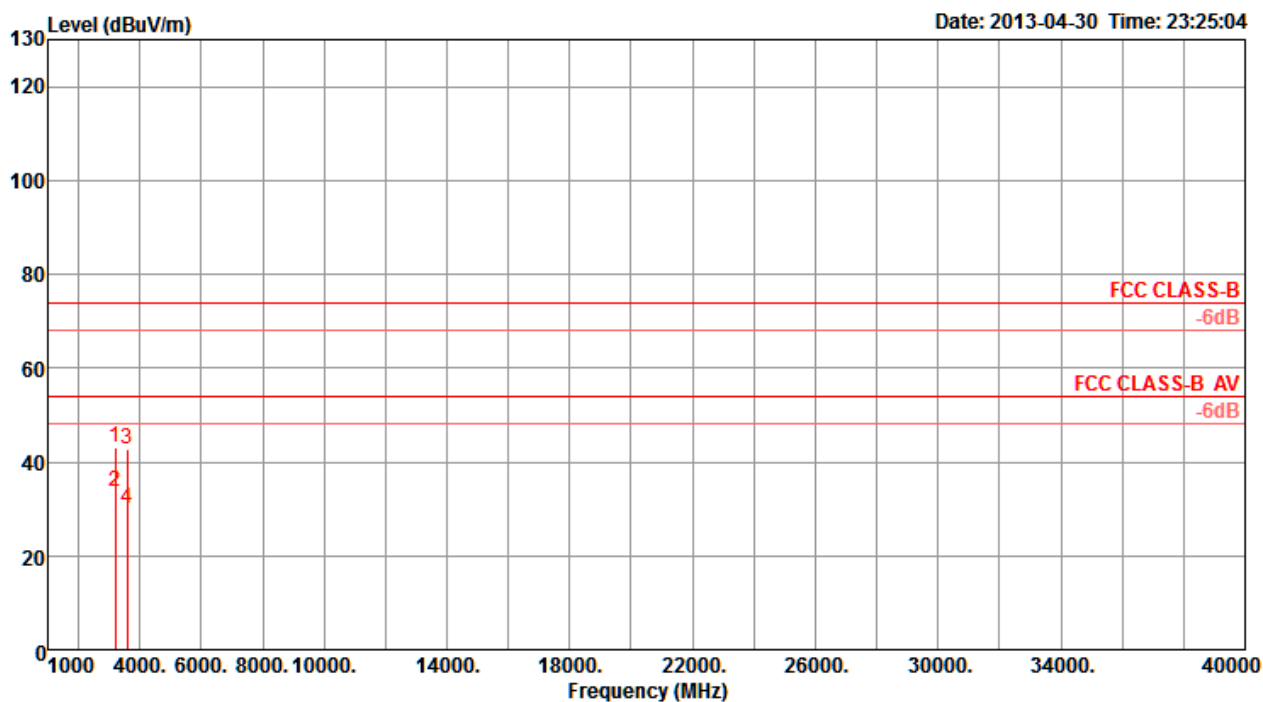
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Remark	deg	cm	
1 a	3200.03	40.48	54.00	-13.52	42.35	3.38	34.81	29.56	Average	250	100	VERTICAL
2 p	3200.07	45.56	74.00	-28.44	47.43	3.38	34.81	29.56	Peak	250	100	VERTICAL
3	3599.98	43.28	74.00	-30.72	43.75	3.63	34.69	30.59	Peak	4	100	VERTICAL
4	3599.99	32.04	54.00	-21.96	32.51	3.63	34.69	30.59	Average	4	100	VERTICAL

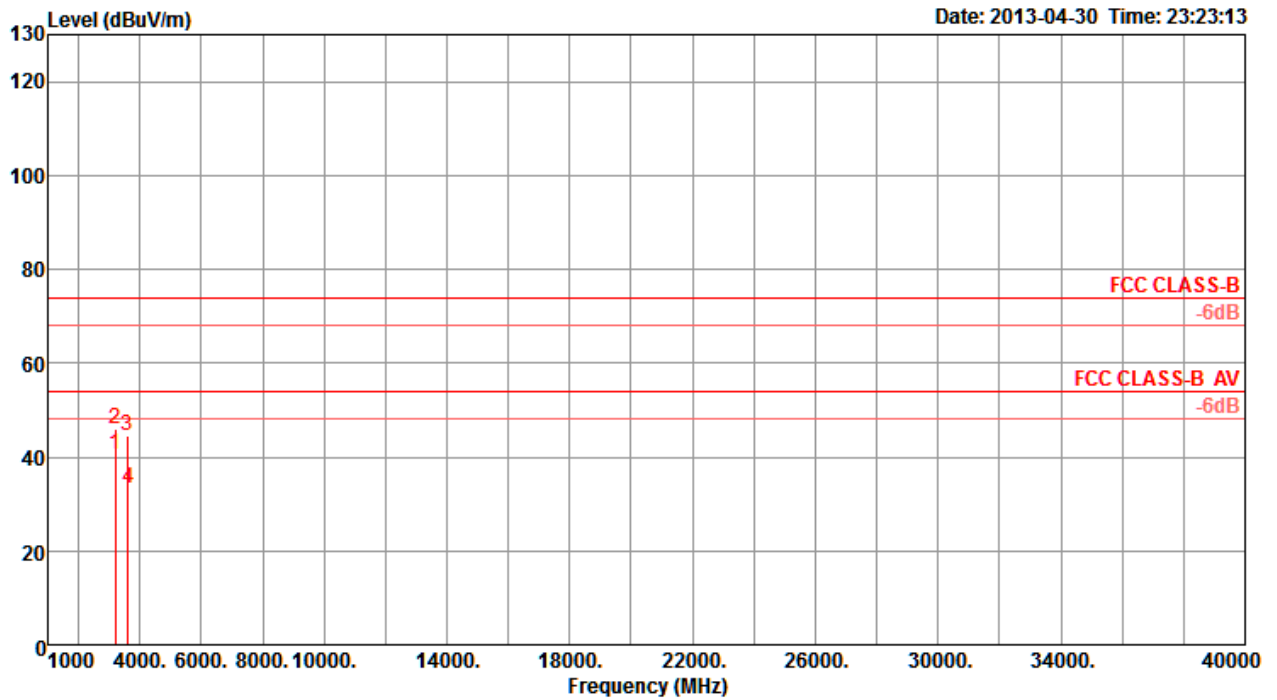
Temperature	23°C	Humidity	63%
Test Engineer	Satoshi Yang	Test Mode	Mode 4

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm	
1 p	3199.84	43.00	74.00	-31.00	44.87	3.38	34.81	29.56	Peak	263	126	HORIZONTAL
2 a	3200.06	33.74	54.00	-20.26	35.61	3.38	34.81	29.56	Average	263	126	HORIZONTAL
3	3599.54	42.68	74.00	-31.32	43.15	3.63	34.69	30.59	Peak	130	100	HORIZONTAL
4	3599.96	30.22	54.00	-23.78	30.69	3.63	34.69	30.59	Average	130	100	HORIZONTAL

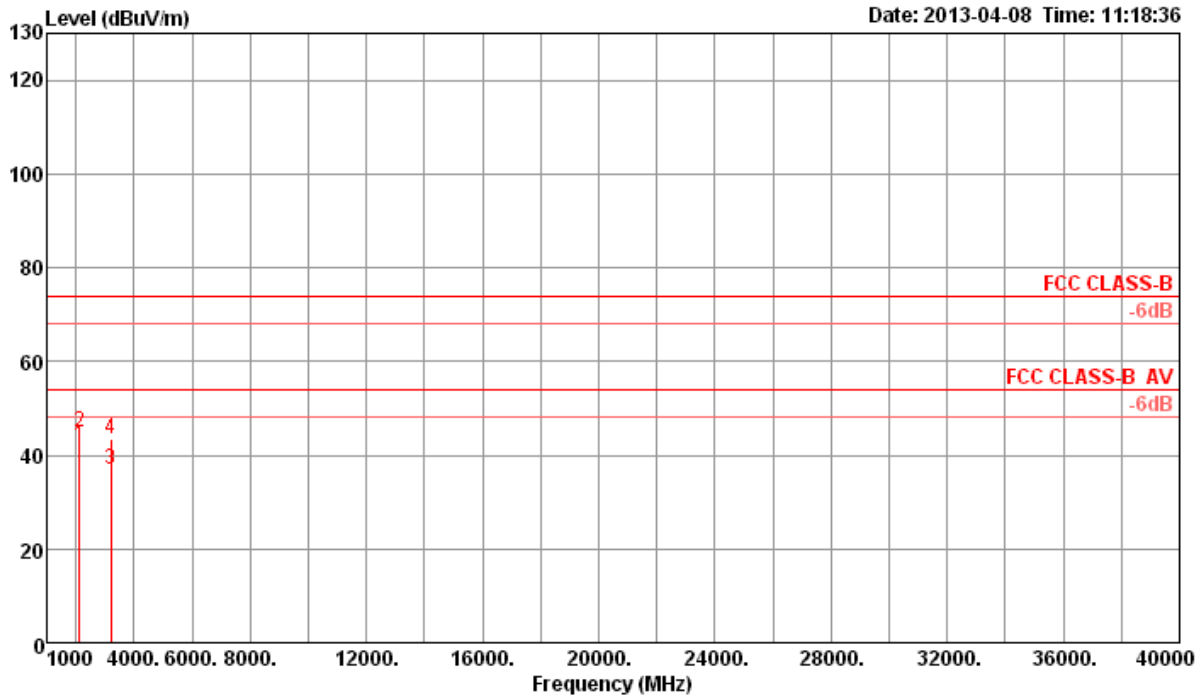
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Remark	deg	cm	
1 a	3200.04	40.55	54.00	-13.45	42.42	3.38	34.81	29.56	Average	70	100	VERTICAL
2 p	3200.20	46.15	74.00	-27.85	48.02	3.38	34.81	29.56	Peak	70	100	VERTICAL
3	3600.00	44.46	74.00	-29.54	44.93	3.63	34.69	30.59	Peak	282	100	VERTICAL
4	3600.03	33.26	54.00	-20.74	33.73	3.63	34.69	30.59	Average	282	100	VERTICAL

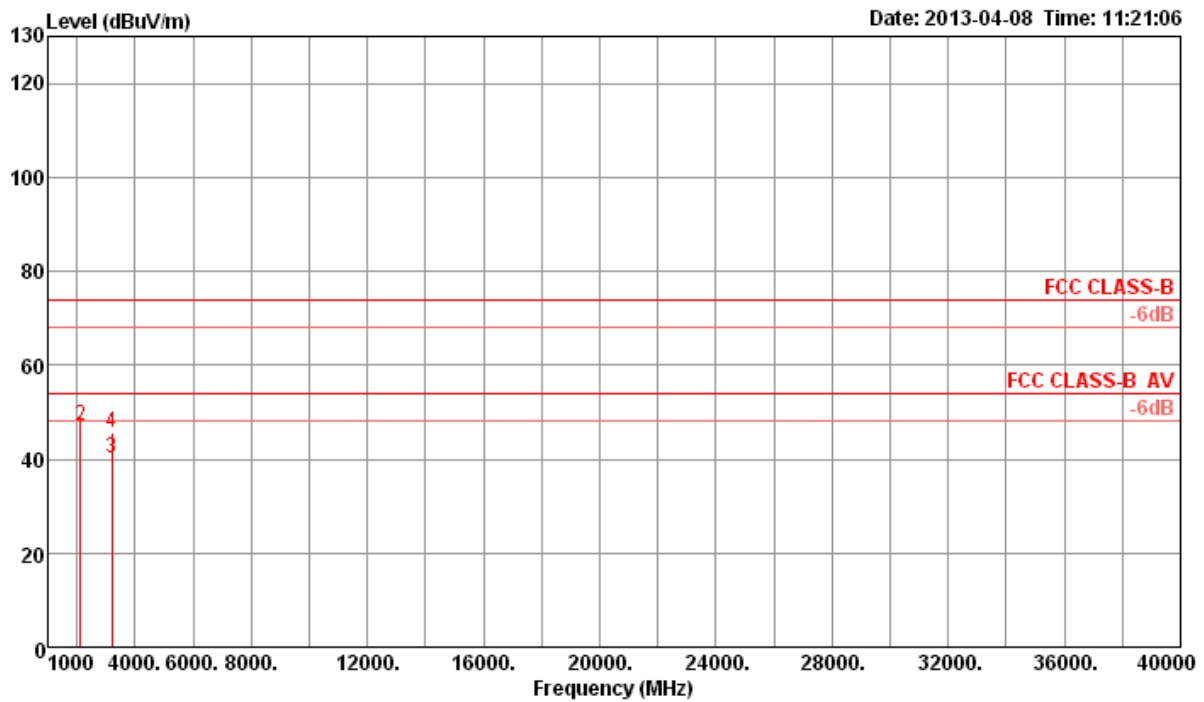
Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Test Mode	Mode 5

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2129.65	42.02	54.00	-11.98	47.44	2.08	27.60	35.10	100	216	HORIZONTAL
2	2129.65	45.06	74.00	-28.94	50.48	2.08	27.60	35.10	100	216	HORIZONTAL
3	3200.04	36.97	54.00	-17.03	39.69	2.64	30.00	35.36	158	257	HORIZONTAL
4	3200.18	43.62	74.00	-30.38	46.34	2.64	30.00	35.36	158	257	HORIZONTAL

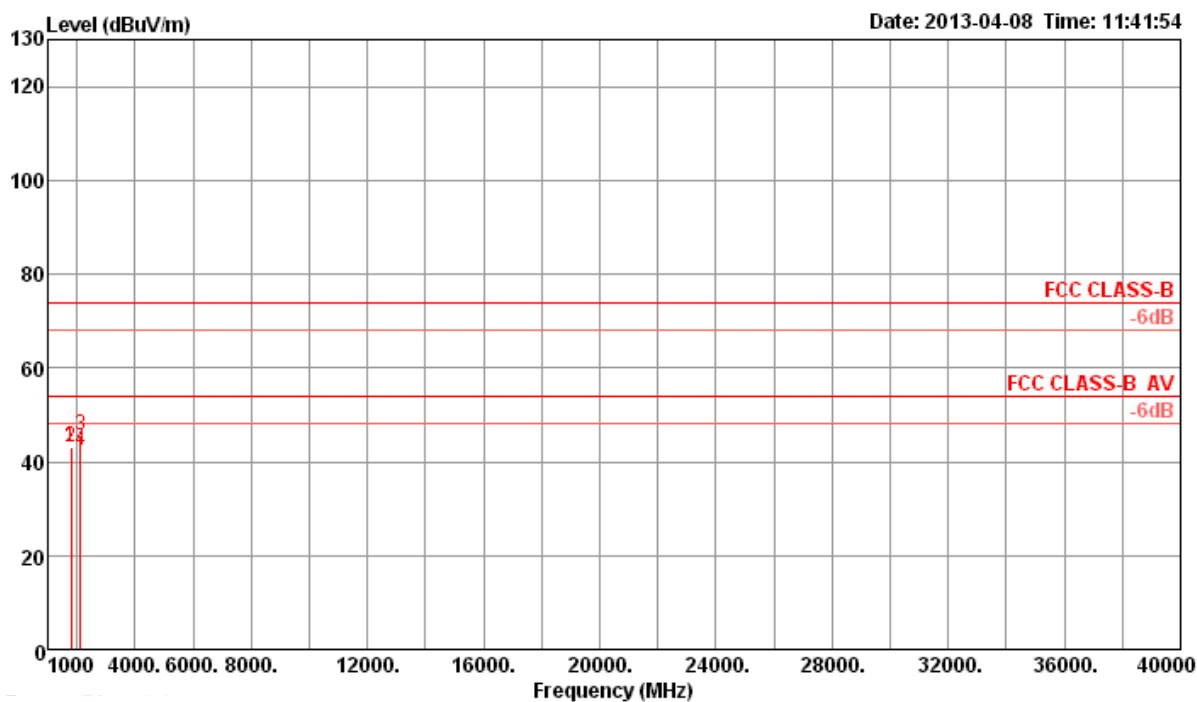
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2129.81	44.73	54.00	-9.27	50.15	2.08	27.60	35.10	100	102	VERTICAL
2	2129.88	47.16	74.00	-26.84	52.58	2.08	27.60	35.10	100	102	VERTICAL
3	3200.04	40.09	54.00	-13.91	42.81	2.64	30.00	35.36	100	9	VERTICAL
4	3200.04	45.51	74.00	-28.49	48.23	2.64	30.00	35.36	100	9	VERTICAL

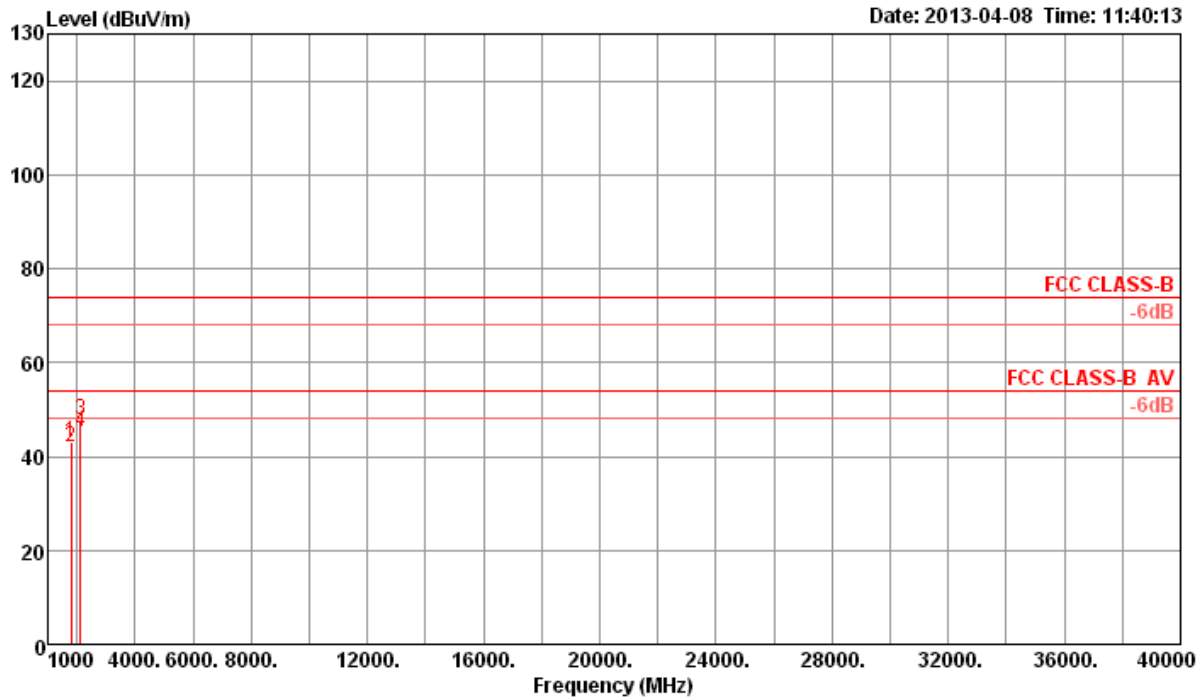
Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Test Mode	Mode 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	1807.78	43.10	54.00	-10.90	49.89	1.91	26.57	35.27 Average	112	180	HORIZONTAL
2	1807.78	42.95	74.00	-31.05	49.74	1.91	26.57	35.27 Peak	112	180	HORIZONTAL
3	2130.28	45.80	74.00	-28.20	51.22	2.08	27.60	35.10 Peak	100	217	HORIZONTAL
4	2130.34	42.38	54.00	-11.62	47.80	2.08	27.60	35.10 Average	100	217	HORIZONTAL

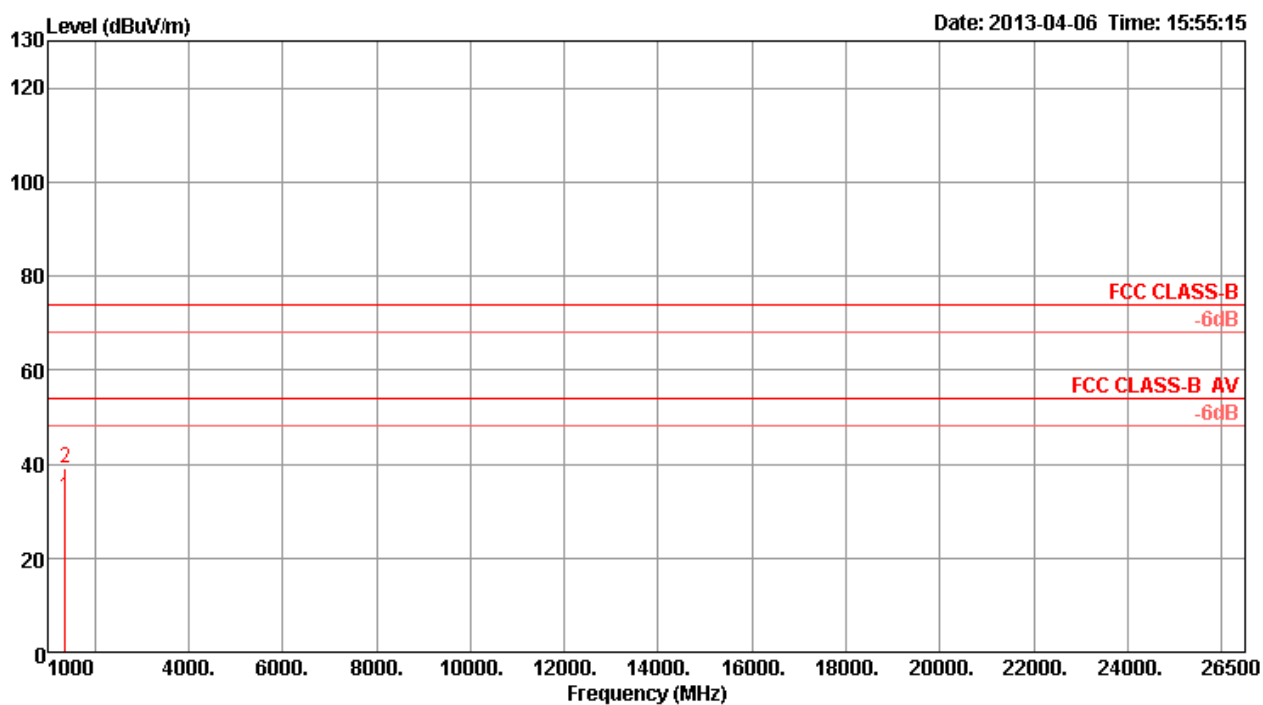
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	1807.72	43.07	74.00	-30.93	49.86	1.91	26.57	35.27	Peak	135	243 VERTICAL
2	1807.82	42.03	54.00	-11.97	48.82	1.91	26.57	35.27	Average	135	243 VERTICAL
3	2130.26	47.74	74.00	-26.26	53.16	2.08	27.60	35.10	Peak	100	102 VERTICAL
4	2130.29	45.27	54.00	-8.73	50.69	2.08	27.60	35.10	Average	100	102 VERTICAL

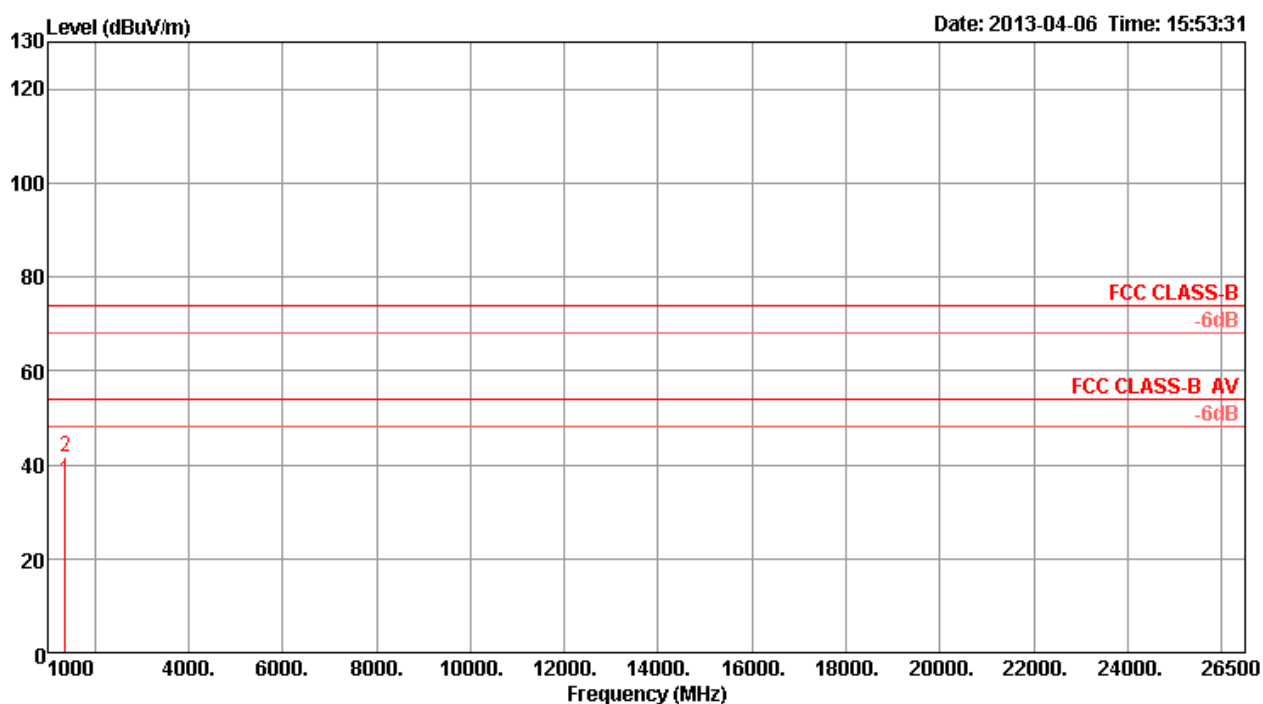
Temperature	24.5°C	Humidity	57%
Test Engineer	Kenneth Huang	Test Mode	Mode 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	1375.00	32.94	54.00	-21.06	39.56	2.95	25.17	34.74	Average	122	176	HORIZONTAL
2	1375.00	39.19	74.00	-34.81	45.81	2.95	25.17	34.74	Peak	122	176	HORIZONTAL

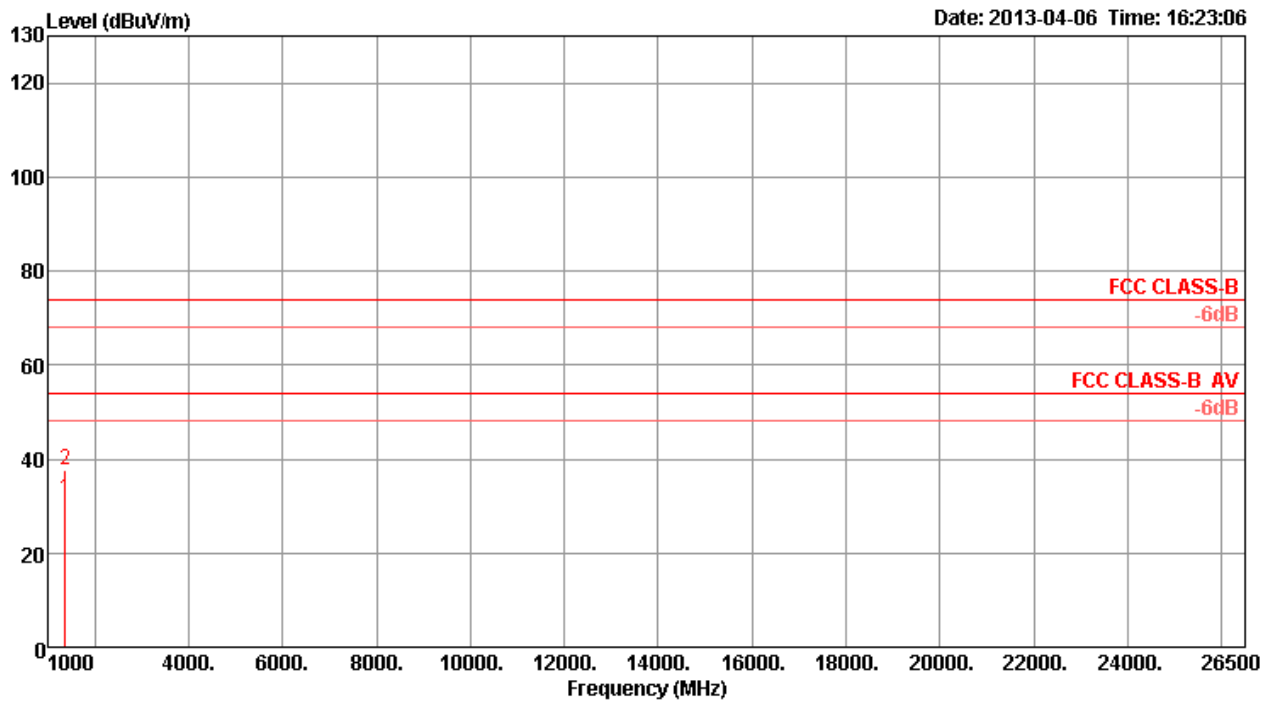
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	1375.00	36.74	54.00	-17.26	43.36	2.95	25.17	34.74	Average	100	301 VERTICAL
2	1375.00	41.51	74.00	-32.49	48.13	2.95	25.17	34.74	Peak	100	301 VERTICAL

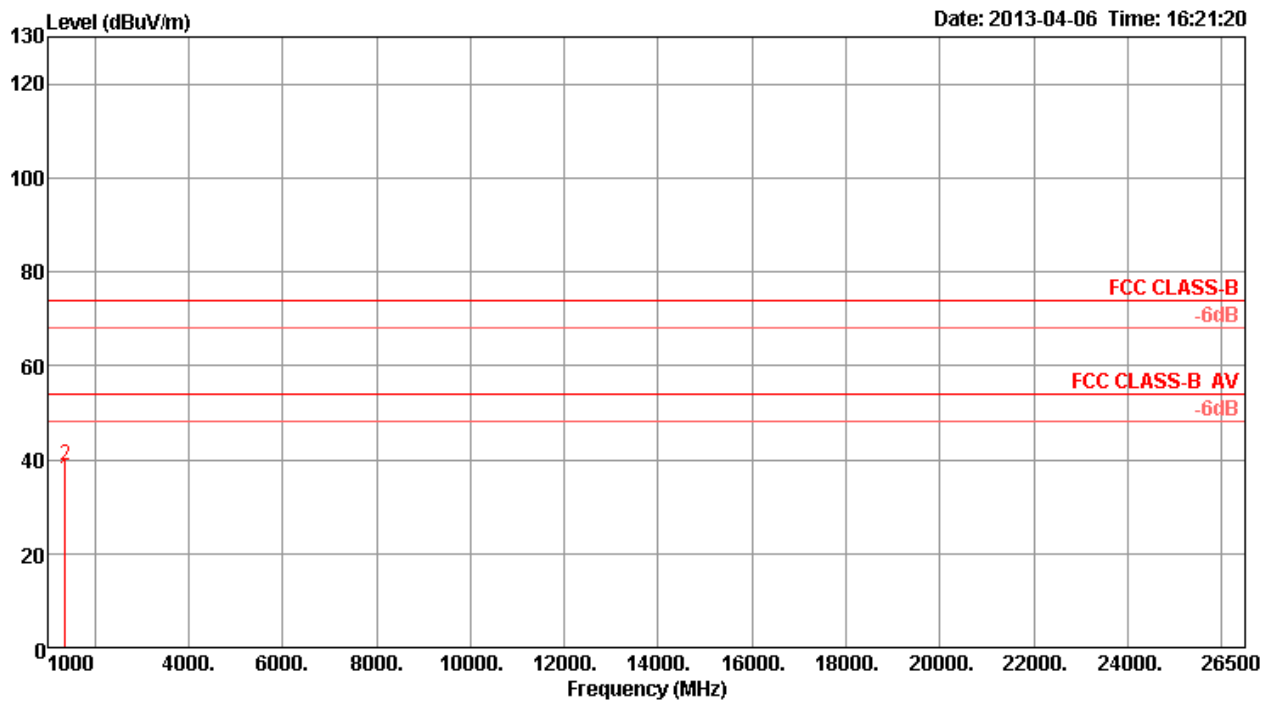
Temperature	24.5°C	Humidity	57%
Test Engineer	Kenneth Huang	Test Mode	Mode 8

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	1375.00	31.47	54.00	-22.53	38.09	2.95	25.17	34.74	Average	100	357 HORIZONTAL
2	1375.00	37.69	74.00	-36.31	44.31	2.95	25.17	34.74	Peak	100	357 HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	1375.00	36.01	54.00	-17.99	42.63	2.95	25.17	34.74 Average	100	282	VERTICAL
2	1375.00	38.75	74.00	-35.25	45.37	2.95	25.17	34.74 Peak	100	282	VERTICAL