

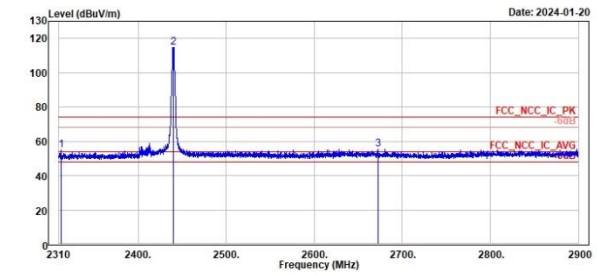
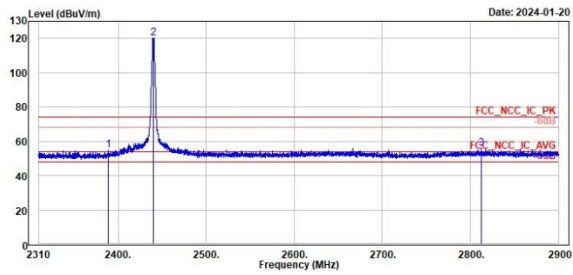
Zigbee_250k

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2388.82	54.77	16.71	38.06	74.00	-19.23	296	85	Peak	Horizontal	
2 *	2440.00	128.02	81.72	38.30	74.00	46.02	296	85	Peak	Horizontal	
3	2812.44	55.66	17.03	38.63	74.00	-18.34	296	85	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2312.83	54.79	17.05	37.74	74.00	-19.21	302	100	Peak	Vertical	
2 *	2440.00	114.82	76.52	38.30	74.00	40.82	302	100	Peak	Vertical	
3	2672.14	55.53	16.91	38.62	74.00	-18.47	302	100	Peak	Vertical	

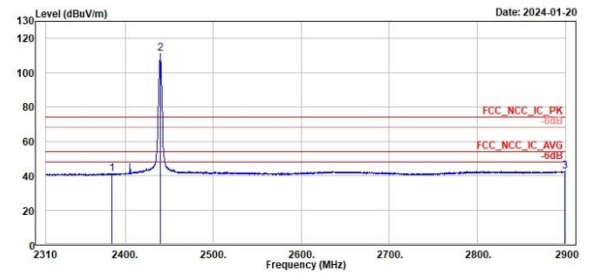
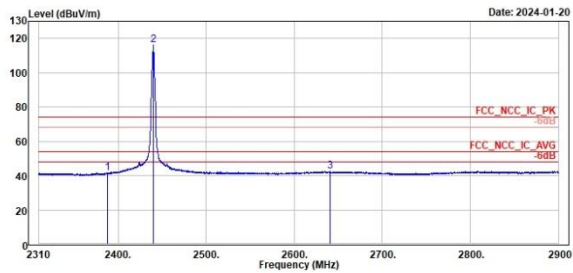
Zigbee_250k

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2388.12	41.50	3.44	38.06	54.00	-12.50	296	85 Average	Horizontal
2 *	2440.00	116.32	76.02	38.30	54.00	62.32	296	85 Average	Horizontal
3	2640.28	42.66	4.12	38.54	54.00	-11.34	296	85 Average	Horizontal

Freq	Level	Read	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2384.69	41.21	3.17	38.04	54.00	-12.79	302	100 Average	Vertical
2 *	2440.00	111.17	72.07	38.30	54.00	57.17	302	100 Average	Vertical
3	2899.53	42.50	3.51	38.99	54.00	-11.50	302	100 Average	Vertical

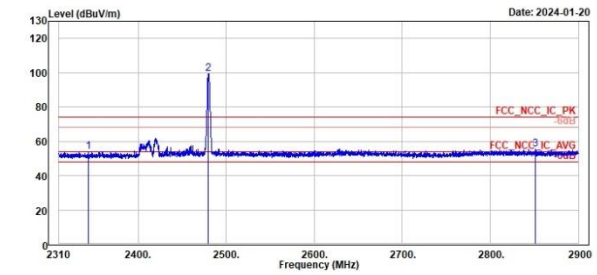
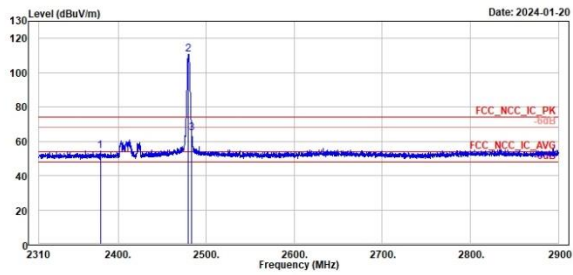
Zigbee_250k

High Channel (Horizontal) Peak

High Channel (Vertical) Peak

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2379.74	54.52	16.49	38.03	74.00	-19.48	288	87	Peak	Horizontal	
2 *	2480.00	118.92	72.59	38.33	74.00	36.92	288	87	Peak	Horizontal	
3	2483.50	64.57	26.25	38.32	74.00	-9.43	288	87	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2343.75	54.03	16.14	37.89	74.00	-19.97	338	193	Peak	Vertical	
2 *	2480.00	99.55	61.22	38.33	74.00	25.55	338	193	Peak	Vertical	
3	2851.27	55.53	16.70	38.83	74.00	-18.47	338	193	Peak	Vertical	

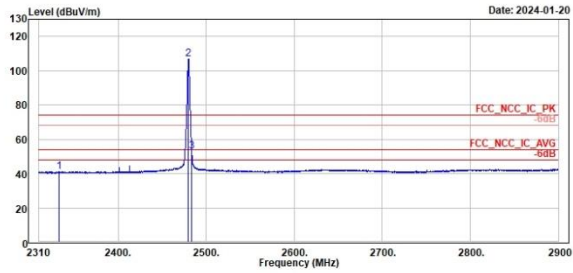
Zigbee_250k

High Channel (Horizontal) Average

High Channel (Vertical) Average



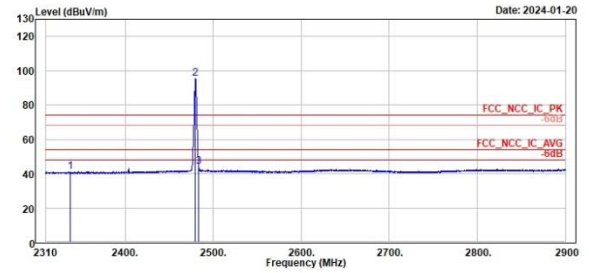
TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2332.77	41.02	3.18	37.84	54.00	-12.98	288	87	Average	Horizontal	
2 *	2480.00	107.01	68.68	38.33	54.00	53.01	288	87	Average	Horizontal	
3 †	2483.50	53.02	14.70	38.32	54.00	-0.98	288	87	Average	Horizontal	



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2338.20	40.97	3.10	37.87	54.00	-13.03	330	193	Average	Vertical	
2 *	2480.00	95.57	57.24	38.33	54.00	41.57	330	193	Average	Vertical	
3 †	2483.50	44.11	5.79	38.32	54.00	-9.89	330	193	Average	Vertical	

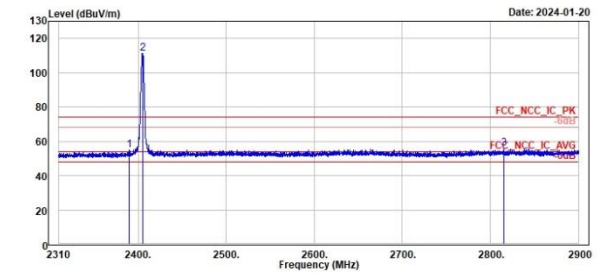
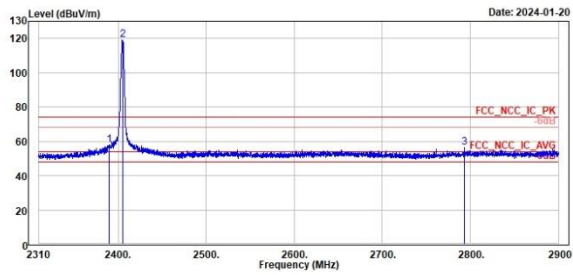
Zigbee_2M

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenfiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2389.89	57.64	19.58	38.06	74.00	-16.36	305	83	Peak	Horizontal	
2 *	2405.00	119.07	80.95	38.12	74.00	45.07	305	83	Peak	Horizontal	
3	2793.09	56.57	18.07	38.50	74.00	-17.43	305	83	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2389.77	54.76	16.70	38.06	74.00	-19.24	311	224	Peak	Vertical	
2 *	2405.00	111.13	73.01	38.12	74.00	37.13	311	224	Peak	Vertical	
3	2814.92	56.06	17.41	38.65	74.00	-17.94	311	224	Peak	Vertical	

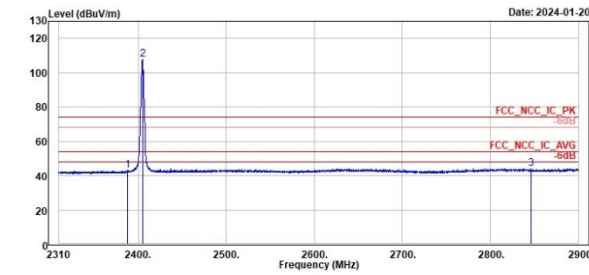
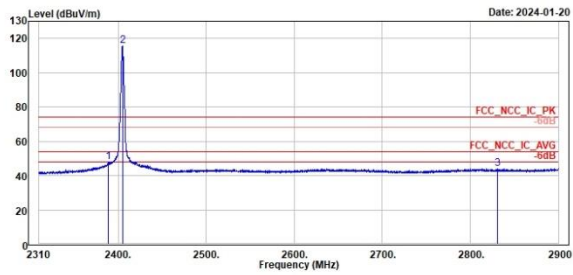
Zigbee_2M

Low Channel (Horizontal) Average

Low Channel (Vertical) Average

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2388.94	47.96	9.90	38.06	54.00	-6.04	305	83 Average	Horizontal
2 *	2405.00	115.63	77.51	38.12	54.00	61.63	305	83 average	Horizontal
3	2830.62	44.07	5.34	38.73	54.00	-9.93	305	83 Average	Horizontal

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2388.35	42.80	4.74	38.06	54.00	-11.20	311	224 Average	Vertical
2 *	2405.00	107.78	69.58	38.12	54.00	53.79	311	224 Average	Vertical
3	2846.55	43.99	5.17	38.82	54.00	-10.01	311	224 Average	Vertical

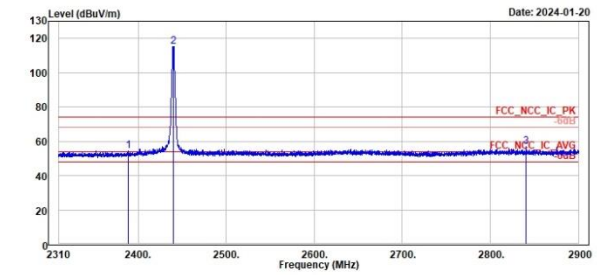
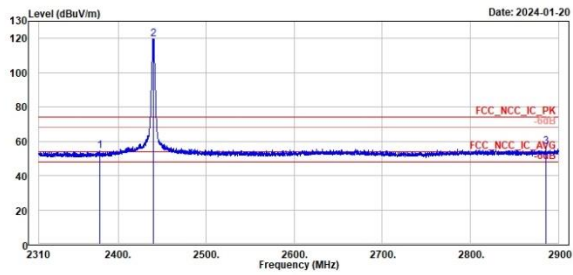
Zigbee_2M

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2378.91	54.18	16.16	38.02	74.00	-19.82	292	183	Peak	Horizontal	
2 *	2440.00	119.77	81.47	38.30	74.00	45.77	292	183	Peak	Horizontal	
3	2885.37	56.66	17.72	38.94	74.00	-17.34	292	183	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2389.06	54.32	16.26	38.06	74.00	-19.68	241	175	Peak	Vertical	
2 *	2440.00	115.37	77.07	38.30	74.00	41.37	241	175	Peak	Vertical	
3	2840.88	56.63	17.85	38.78	74.00	-17.37	241	175	Peak	Vertical	

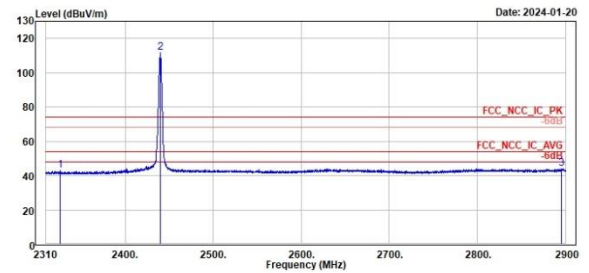
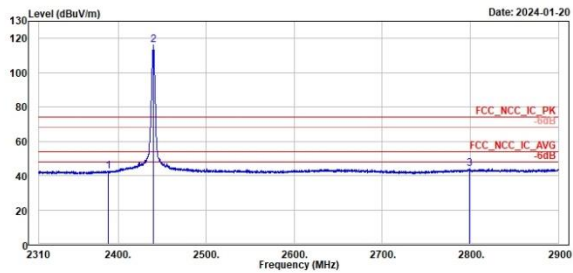
Zigbee_2M

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3									
MHz	Level	Read	Level	Factor	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2389.06	42.73	4.67	38.06	54.00	-11.27	292	183	Average	Horizontal		
2440.00	116.34	78.04	38.30	54.00	62.34	292	183	Average	Horizontal		
2799.35	43.99	5.43	38.56	54.00	-10.01	292	183	Average	Horizontal		

1	2	3									
MHz	Level	Read	Level	Factor	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
2326.40	42.90	5.09	37.81	54.00	-11.10	241	175	Average	Vertical		
2440.00	111.94	73.64	38.30	54.00	57.94	241	175	Average	Vertical		
2895.28	43.89	4.92	38.97	54.00	-10.11	241	175	Average	Vertical		

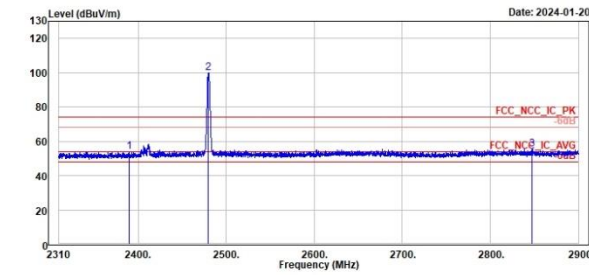
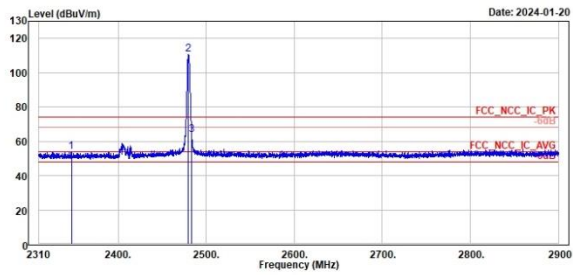
Zigbee_2M

High Channel (Horizontal) Peak

High Channel (Vertical) Peak

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	Apos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2346.93	54.05	16.13	37.92	74.00	-19.95	325	87	Peak	Horizontal	
2 *	2480.00	110.63	72.30	38.33	74.00	36.63	325	87	Peak	Horizontal	
3	2483.50	63.70	25.38	38.32	74.00	-10.30	325	87	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	Apos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2389.65	53.83	15.77	38.06	74.00	-20.17	328	192	Peak	Vertical	
2 *	2480.00	100.06	61.73	38.33	74.00	26.06	328	192	Peak	Vertical	
3	2847.14	55.60	16.78	38.82	74.00	-18.40	328	192	Peak	Vertical	

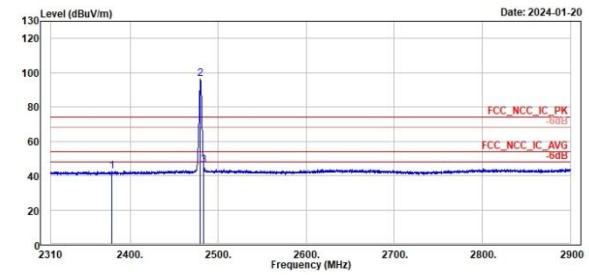
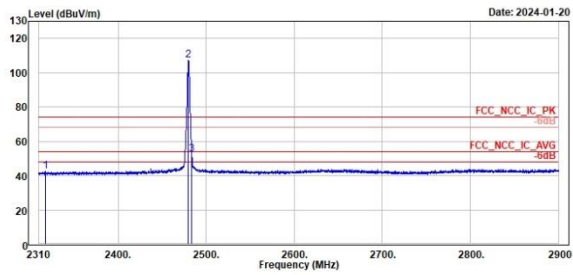
Zigbee_2M

High Channel (Horizontal) Average

High Channel (Vertical) Average

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

TÜVRheinland
 TÜV Rheinland Taiwan Ltd.
 No. 438-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MHz	Level	Read	Level	Factor	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note								
MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg											
2317.00	42.42	4.66	37.76	54.00	-11.58	325	87	Average	Horizontal										
2480.00	107.03	68.70	38.33	54.00	53.03	325	87	Average	Horizontal										
2483.50	52.41	14.09	38.32	54.00	-1.59	325	87	Average	Horizontal										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
MHz	Level	Read	Level	Factor	Limit	Over	Apos	Tpos	Remark	Pol/Phase	Note								
MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg											
2379.15	42.50	4.48	38.02	54.00	-11.50	328	192	Average	Vertical										
2480.00	96.37	58.04	38.33	54.00	42.37	328	192	Average	Vertical										
2483.50	45.64	7.52	38.32	54.00	-8.16	328	192	Average	Vertical										

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

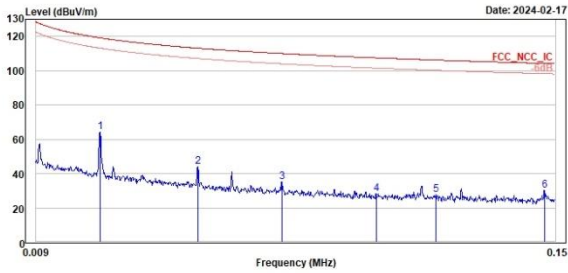
Zigbee_2M

High Channel (Open) 9kHz~150kHz

High Channel (Open) 150kHz~30MHz



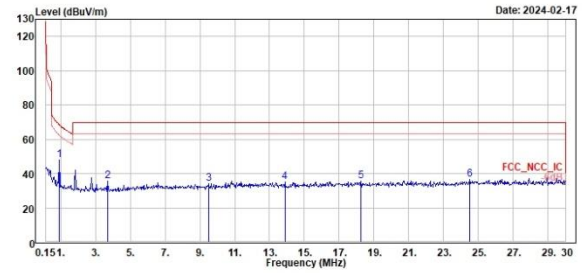
TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.03	64.06	44.25	19.81	119.13	-55.07	100	142	Peak	Open	
2	0.05	44.04	24.74	19.30	113.11	-69.07	100	99	Peak	Open	
3	0.08	35.33	16.73	18.60	110.00	-74.67	100	385	Peak	Open	
4	0.10	28.34	9.81	18.53	107.48	-79.14	100	86	Peak	Open	
5	0.12	27.59	8.96	18.63	106.19	-78.60	100	316	Peak	Open	
6	0.15	30.05	11.25	18.80	104.25	-74.20	100	139	Peak	Open	



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.93	48.10	28.96	19.14	68.27	-20.17	100	258	Peak	Open	
2	3.70	35.72	16.34	19.38	69.50	-33.78	100	116	Peak	Open	
3	9.49	34.34	13.32	21.02	69.50	-35.16	100	360	Peak	Open	
4	13.88	34.93	13.49	21.44	69.50	-34.57	100	246	Peak	Open	
5	18.27	35.73	13.22	22.51	69.50	-33.77	100	156	Peak	Open	
6	24.48	36.40	13.73	22.67	69.50	-33.10	100	109	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

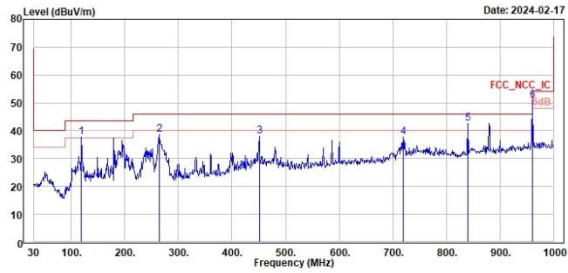
Zigbee_2M

High Channel (Horizontal)

High Channel (Vertical)



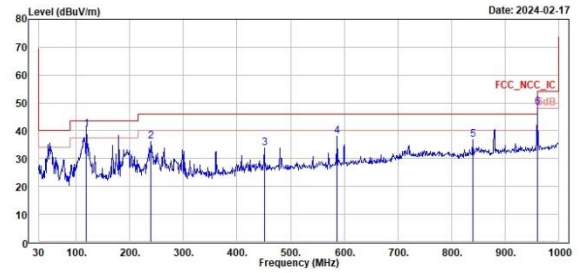
TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	119.24	37.68	46.87	-9.19	43.50	-5.82	200	109 Peak	Horizontal
2	263.77	38.53	44.52	-5.99	46.00	-7.47	200	117 Peak	Horizontal
3	458.98	38.07	40.09	-2.02	46.00	-7.93	200	138 Peak	Horizontal
4	719.67	37.80	35.87	1.93	46.00	-8.20	200	152 Peak	Horizontal
5	839.95	42.44	38.33	4.11	46.00	-3.56	100	161 Peak	Horizontal
6	968.23	50.86	45.35	5.51	54.00	-3.14	100	165 Peak	Horizontal



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	119.24	40.48	49.67	-9.19	43.50	-3.02	100	194 QP	Vertical
2	239.52	36.32	42.92	-6.60	46.00	-9.68	100	178 Peak	Vertical
3	458.98	33.75	35.77	-2.02	46.00	-12.25	100	31 Peak	Vertical
4	586.78	37.97	37.83	0.14	46.00	-8.03	100	211 Peak	Vertical
5	839.95	36.95	32.84	4.11	46.00	-9.05	100	207 Peak	Vertical
6	968.23	48.27	42.76	5.51	54.00	-5.73	100	194 Peak	Vertical

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

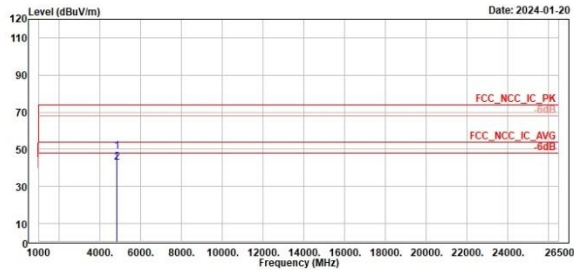
Zigbee_250k

Low Channel (Horizontal)

Low Channel (Vertical)



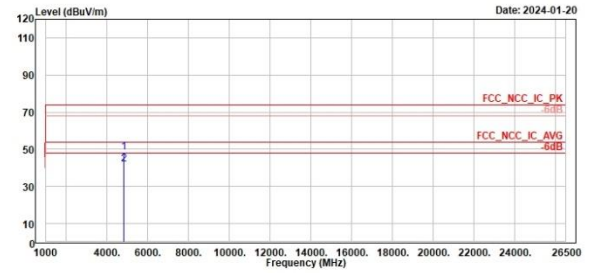
TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	4810.00	48.70	56.70	-8.00	74.00	-25.30	100	177	Peak	Horizontal
2	4810.00	45.10	51.10	-8.00	54.00	-10.90	100	177	Average	Horizontal



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	4810.00	48.26	56.26	-8.00	74.00	-25.74	100	292	Peak	Vertical
2	4810.00	42.07	50.07	-8.00	54.00	-11.93	100	292	Average	Vertical

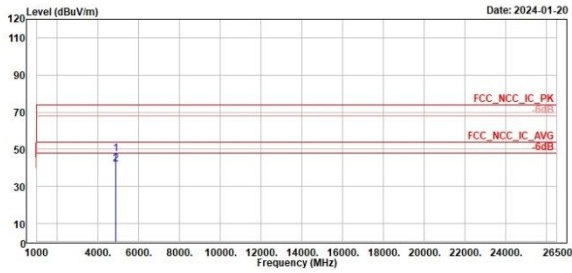
Zigbee_250k

Middle Channel (Horizontal)

Middle Channel (Vertical)



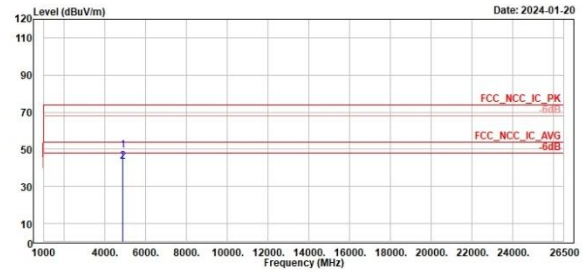
TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	4880.00	47.47	55.39	-7.92	74.00	-26.53	100	44	Peak	Horizontal
2	4880.00	42.13	50.05	-7.92	54.00	-11.87	100	44	Average	Horizontal



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	4880.00	49.17	57.09	-7.92	74.00	-24.83	200	227	Peak	Vertical
2	4880.00	43.48	51.40	-7.92	54.00	-10.52	200	227	Average	Vertical

Zigbee_250k

High Channel (Horizontal)

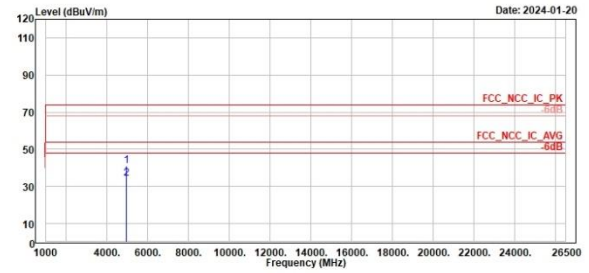
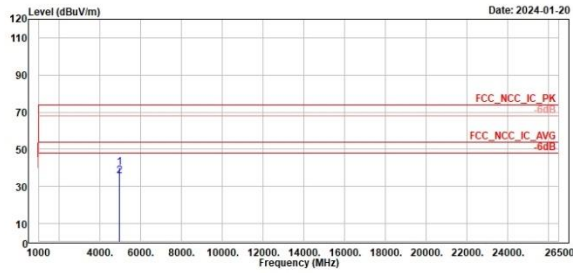
High Channel (Vertical)



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.00	48.29	48.00	-7.79	74.00	-33.71	100	340 Peak	Horizontal	
2	4960.00	35.72	43.51	-7.79	54.00	-18.28	100	340 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.00	48.99	48.78	-7.79	74.00	-33.01	100	285 Peak	Vertical	
2	4960.00	34.05	41.84	-7.79	54.00	-19.95	100	285 Average	Vertical	

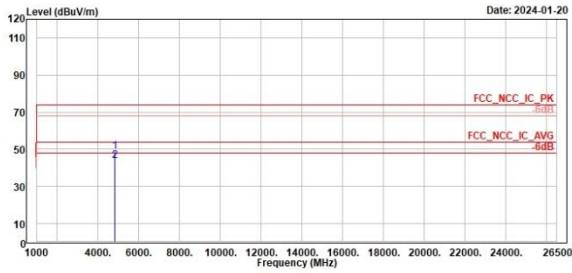
Zigbee_2M

Low Channel (Horizontal)

Low Channel (Vertical)



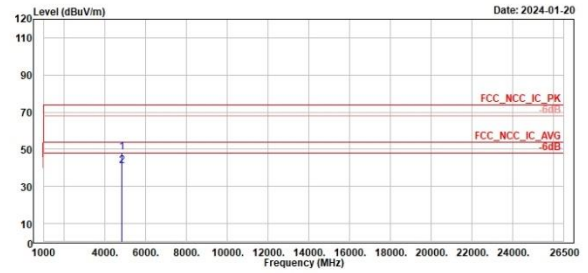
TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4810.00	48.76	56.76	-8.00	74.00	-25.24	100	98 Peak	Horizontal	
2	4810.00	43.88	51.88	-8.00	54.00	-10.12	100	98 Average	Horizontal	



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4810.00	48.39	56.39	-8.00	74.00	-25.61	100	307 Peak	Vertical	
2	4810.00	41.05	49.05	-8.00	54.00	-12.95	100	307 Average	Vertical	

Zigbee_2M

Middle Channel (Horizontal)

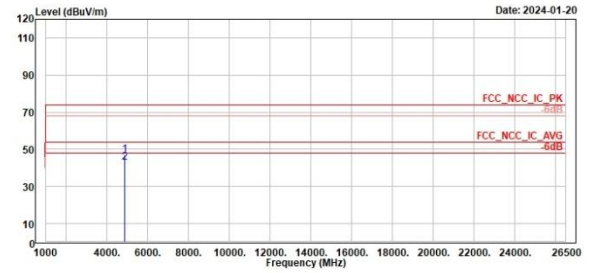
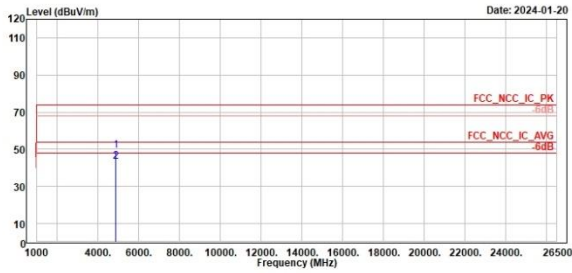
Middle Channel (Vertical)



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	49.28	57.20	-7.92	74.00	-24.72	100	96 Peak	Horizontal	
2	4880.00	43.38	51.30	-7.92	54.00	-10.62	100	96 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4880.00	47.10	55.02	-7.92	74.00	-26.90	200	222 Peak	Vertical	
2	4880.00	42.90	50.82	-7.92	54.00	-11.10	200	222 Average	Vertical	

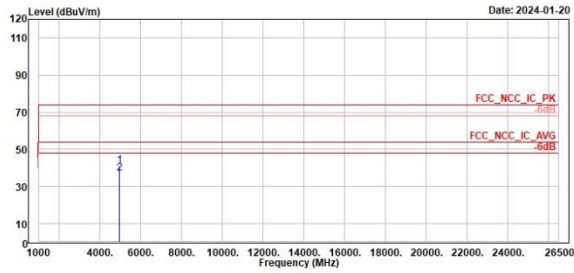
Zigbee_2M

High Channel (Horizontal)

High Channel (Vertical)



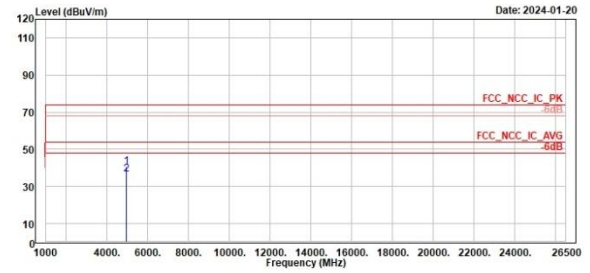
TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
4960.00	41.26	49.05	-7.79	74.00	-32.74	137	44	Peak	Horizontal	
4960.00	37.17	44.96	-7.79	54.00	-16.83	137	44	Average	Horizontal	



TUV Rheinland Taiwan Ltd.
 No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
4960.00	40.56	48.35	-7.79	74.00	-33.44	100	1	Peak	Vertical	
4960.00	36.45	44.24	-7.79	54.00	-17.55	100	1	Average	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

Worst Band

(Line)

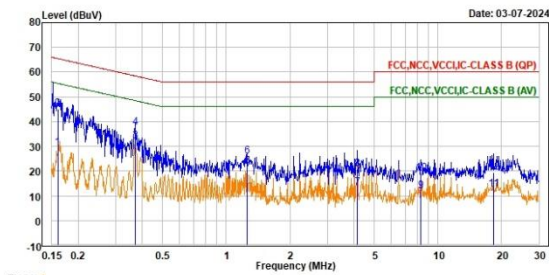
(Neutral)



TUV Rheinland Taiwan Ltd.
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322

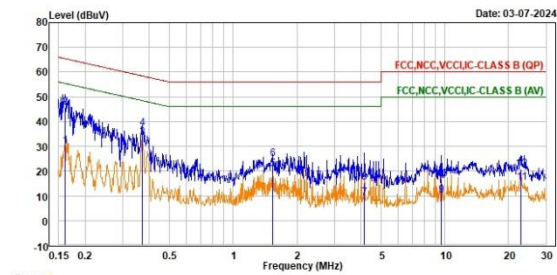


TUV Rheinland Taiwan Ltd.
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
 Tel: +886-2172-1000 Fax: +886-2172-1322



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.16	29.33	19.71	9.62	55.46	-26.13	Average	line1	
2	0.16	45.11	35.49	9.62	65.46	-20.35	QP	line1	
3	0.37	32.18	22.55	9.63	48.47	-16.29	Average	line1	
4	0.37	37.41	27.78	9.63	58.47	-21.06	QP	line1	
5	1.25	21.92	12.28	9.64	46.00	-24.08	Average	line1	
6	1.25	26.08	16.44	9.64	56.00	-29.92	QP	line1	
7	4.17	13.42	3.74	9.68	46.00	-32.58	Average	line1	
8	4.17	20.95	11.27	9.68	56.00	-35.05	QP	line1	
9	8.33	12.67	2.91	9.74	50.00	-37.33	Average	line1	
10	8.33	19.10	9.36	9.74	60.00	-40.90	QP	line1	
11	18.32	12.67	2.91	9.76	50.00	-37.33	Average	line1	
12	18.32	19.27	9.51	9.76	60.00	-40.73	QP	line1	



Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit Line (dBuV)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.16	30.16	20.54	9.62	55.42	-25.26	Average	neutral	
2	0.16	45.66	36.04	9.62	65.42	-19.76	QP	neutral	
3	0.37	33.51	23.88	9.63	48.47	-14.96	Average	neutral	
4	0.37	37.10	27.47	9.63	58.47	-21.37	QP	neutral	
5	1.53	20.73	11.07	9.66	46.00	-25.27	Average	neutral	
6	1.53	24.75	15.09	9.66	56.00	-31.25	QP	neutral	
7	4.17	9.23	-0.46	9.69	46.00	-36.77	Average	neutral	
8	4.17	15.23	5.54	9.69	56.00	-40.77	QP	neutral	
9	9.58	10.12	0.33	9.79	50.00	-39.88	Average	neutral	
10	9.58	16.65	6.86	9.79	60.00	-43.35	QP	neutral	
11	22.92	15.18	5.31	9.87	50.00	-34.82	Average	neutral	
12	22.92	20.78	10.91	9.87	60.00	-39.22	QP	neutral	