

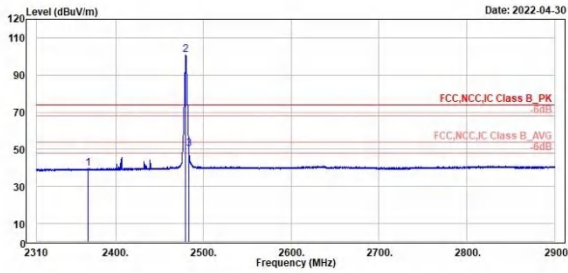
ZIGBEE 250kbps

CH26 (Horizontal) Average

CH26 (Vertical) Average



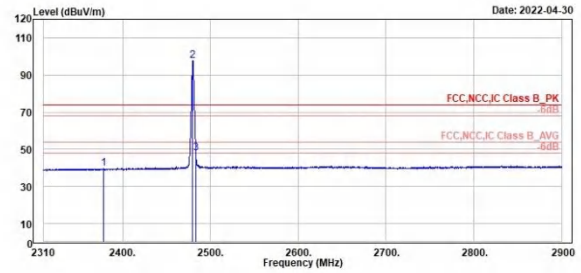
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note										
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg												
1	2368.79	39.56	2.08	37.48	54.00	-14.44	233	70 Average	Horizontal										
2 *	2488.00	108.65	62.86	37.79	54.00	46.65	233	70 Average	Horizontal										
3 !	2483.53	50.33	12.53	37.80	54.00	-3.67	233	70 Average	Horizontal										



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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note										
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg												
1	2378.32	39.48	1.96	37.52	54.00	-14.52	324	180 Average	Vertical										
2 *	2488.00	97.71	59.92	37.79	54.00	43.71	324	180 Average	Vertical										
3	2483.46	47.78	9.98	37.80	54.00	-6.22	324	180 Average	Vertical										

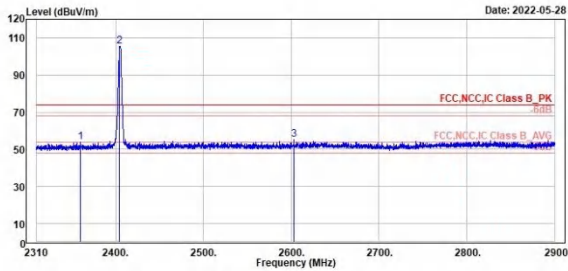
ZIGBEE 2Mbps

CH11 (Horizontal) Peak

CH11 (Vertical) Peak



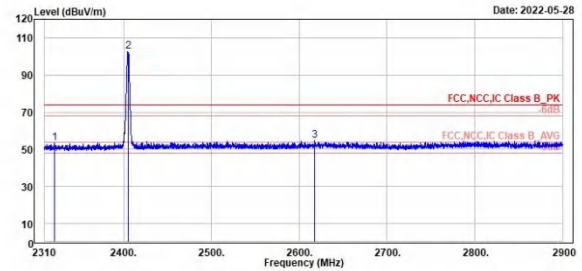
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2359.80	53.82	16.40	37.42	74.00	-20.18	277	70	Peak	Horizontal	
2 *	2484.52	185.47	67.83	37.64	74.00	31.47	277	70	Peak	Horizontal	
3	2603.11	55.24	17.27	37.97	74.00	-18.76	277	70	Peak	Horizontal	



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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	2321.56	53.25	15.97	37.28	74.00	-20.75	315	165	Peak	Vertical	
2 *	2485.80	182.48	64.84	37.64	74.00	28.48	315	165	Peak	Vertical	
3	2617.63	54.60	16.61	37.99	74.00	-19.40	315	165	Peak	Vertical	

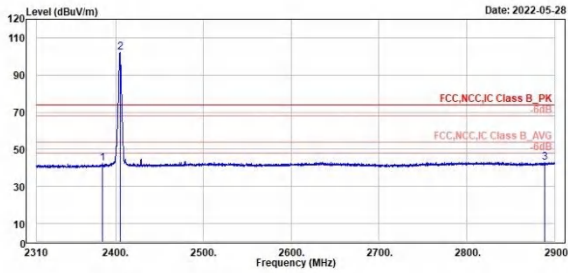
ZIGBEE 2Mbps

CH11 (Horizontal) Average

CH11 (Vertical) Average



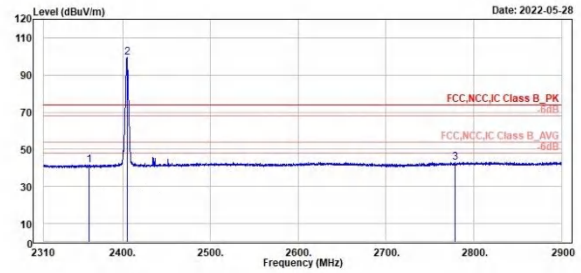
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1	2	3
2384.69	2485.00	2888.32
42.40	102.41	43.08
4.85	64.77	4.72
37.55	37.64	38.36
54.00	54.00	54.00
-11.60	48.41	-10.92
277	277	277
70 Average	70 Average	70 Average
Horizontal	Horizontal	Horizontal



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1	2	3
2361.45	2485.00	2778.34
41.73	99.52	43.03
4.29	61.88	4.85
37.44	37.64	38.18
54.00	54.00	54.00
-12.27	45.52	-10.97
315	315	315
165 Average	165 Average	165 Average
Vertical	Vertical	Vertical

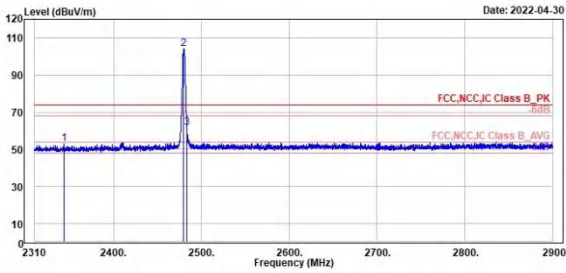
ZIGBEE 2Mbps

CH26 (Horizontal) Peak

CH26 (Vertical) Peak



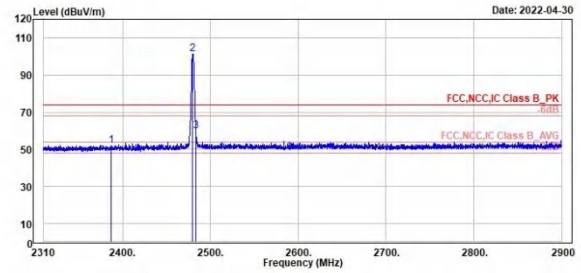
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Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2343.51	52.99	15.63	37.36	74.00	-21.01	233	68	Peak	Horizontal	
2 *	2480.00	104.18	66.31	37.79	74.00	30.18	233	68	Peak	Horizontal	
3	2483.46	61.65	23.85	37.80	74.00	-12.35	233	68	Peak	Horizontal	



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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	2387.17	52.24	14.67	37.57	74.00	-21.76	324	181	Peak	Vertical	
2 *	2480.00	101.24	63.45	37.79	74.00	27.24	324	181	Peak	Vertical	
3	2483.46	59.90	22.10	37.80	74.00	-14.10	324	181	Peak	Vertical	

ZIGBEE 2Mbps

CH26 (Horizontal) Average

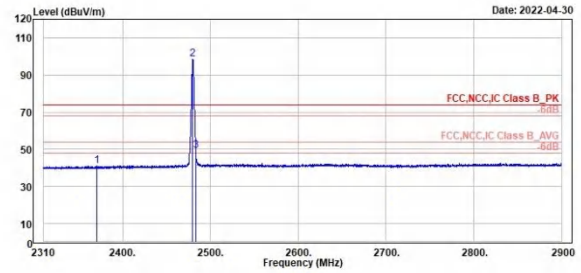
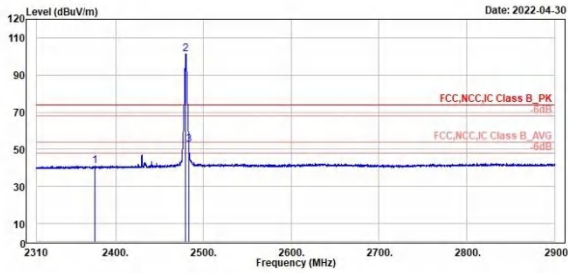
CH26 (Vertical) Average



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1	2	3
2375.20	2480.00	2483.46
41.04	181.21	52.39
3.54	63.42	14.59
37.50	37.79	37.80
54.00	54.00	54.00
-12.96	47.21	-1.61
233	233	233
68	68	68
Average	Average	Average
Horizontal	Horizontal	Horizontal

1	2	3
2375.53	2480.00	2483.46
41.15	98.35	49.28
3.67	60.56	11.48
37.48	37.79	37.80
54.00	54.00	54.00
-12.85	44.35	-4.72
324	324	324
181	181	181
Average	average	Average
Vertical	Vertical	Vertical

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

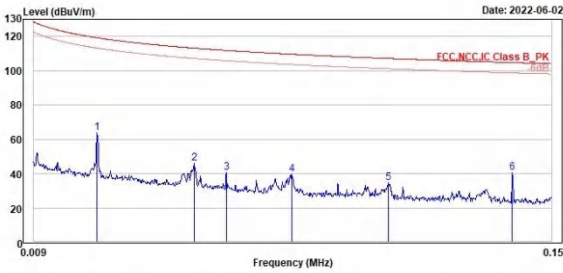
ZIGBEE 250kbps

CH11 (Open) 9kHz~150kHz

CH11 (Open) 150kHz~30MHz



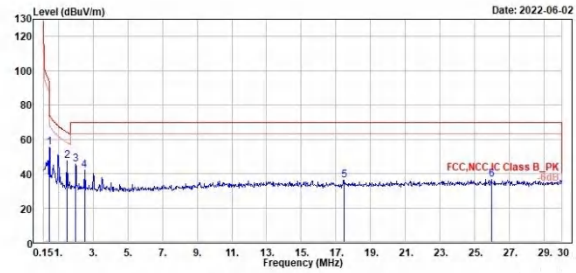
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	63.87	44.69	19.18	119.18	-55.31	100	333 QP	Open	
2	46.17	26.92	19.25	113.16	-66.89	100	159 QP	Open	
3	40.49	21.43	19.06	111.82	-71.33	100	368 QP	Open	
4	39.32	20.66	18.66	109.60	-70.28	100	159 QP	Open	
5	34.47	16.23	18.24	107.12	-72.65	100	159 QP	Open	
6	40.49	22.13	18.36	104.72	-64.23	100	175 QP	Open	



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	55.40	36.45	18.95	94.01	-38.61	100	87 QP	Open	
2	47.63	28.29	19.34	64.12	-16.49	100	173 QP	Open	
3	45.23	25.82	19.41	69.50	-24.27	100	178 QP	Open	
4	42.13	22.66	19.47	69.50	-27.37	100	175 QP	Open	
5	36.15	14.13	22.02	69.50	-33.35	100	242 QP	Open	
6	36.54	14.07	22.47	69.50	-32.96	100	345 QP	Open	

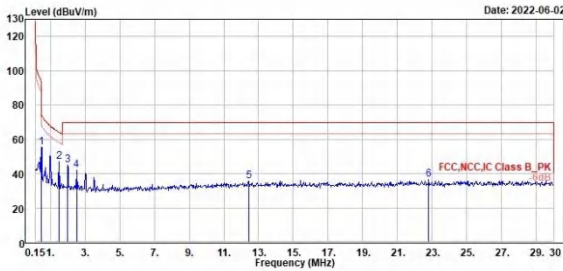
ZIGBEE 2Mbps

CH11 (Open) 9kHz~150kHz

CH11 (Open) 150kHz~30MHz



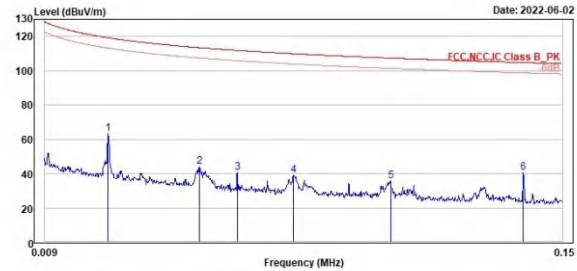
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.48	55.53	36.58	18.95	94.01	-38.48	100	173	QP	Open	
2	1.49	47.15	27.81	19.34	64.12	-16.97	100	67	QP	Open	
3	2.00	45.19	25.78	19.41	69.50	-24.31	100	348	QP	Open	
4	2.51	41.84	22.37	19.47	69.50	-27.66	100	287	QP	Open	
5	12.42	35.70	14.03	21.67	69.50	-33.80	100	328	QP	Open	
6	22.81	36.46	14.14	22.32	69.50	-33.04	100	316	QP	Open	



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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	0.03	63.16	43.98	19.18	119.18	-56.02	100	29	QP	Open	
2	0.05	43.75	24.47	19.28	113.41	-69.66	100	162	QP	Open	
3	0.06	40.70	21.64	19.06	111.82	-71.12	100	192	QP	Open	
4	0.08	38.83	20.11	18.72	109.90	-71.07	100	147	QP	Open	
5	0.10	35.72	17.49	18.23	107.32	-71.60	100	143	QP	Open	
6	0.14	40.56	22.20	18.36	104.72	-64.16	100	171	QP	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

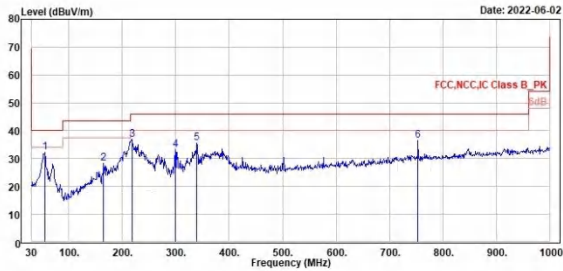
ZIGBEE 250kbps

CH11 (Horizontal)

CH11 (Vertical)



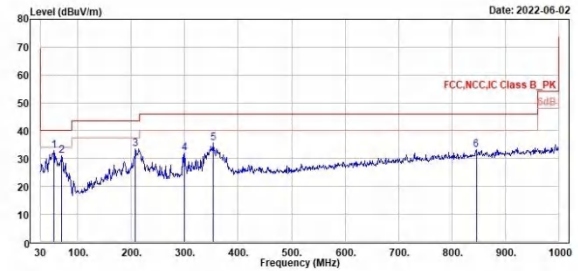
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	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	55.22	32.37	38.89	-6.52	40.00	-7.63	200	92 QP	Horizontal	
2	164.83	28.19	34.11	-5.92	43.50	-15.31	200	299 QP	Horizontal	
3	218.18	36.93	45.01	-8.08	46.00	-9.07	200	359 QP	Horizontal	
4	298.69	33.16	37.91	-4.75	46.00	-12.84	200	18 QP	Horizontal	
5	339.43	35.57	39.51	-3.94	46.00	-10.43	100	255 QP	Horizontal	
6	753.62	36.53	33.87	2.66	46.00	-9.47	100	191 QP	Horizontal	



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	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	55.22	32.78	39.38	-6.52	40.00	-7.22	100	123 QP	Vertical	
2	89.77	31.02	39.58	-8.56	40.00	-8.98	100	255 QP	Vertical	
3	207.51	33.40	41.59	-8.19	43.50	-10.10	100	136 QP	Vertical	
4	299.66	32.07	36.80	-4.73	46.00	-13.93	100	227 QP	Vertical	
5	353.98	35.72	39.55	-3.83	46.00	-10.28	100	222 QP	Vertical	
6	845.77	33.17	29.44	3.73	46.00	-12.83	200	265 QP	Vertical	

ZIGBEE 2Mbps

CH11 (Horizontal)

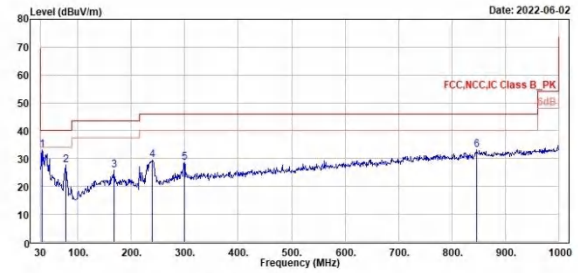
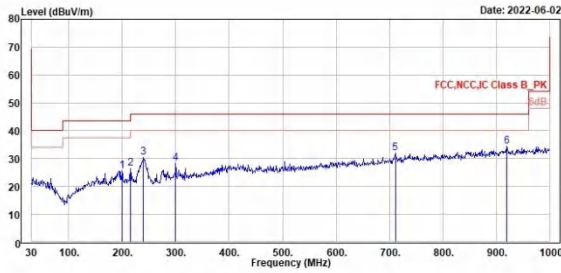
CH11 (Vertical)



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	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	199.75	25.69	34.14	-8.45	43.50	-17.81	210	360 QP	Horizontal	
2	215.27	26.42	34.56	-8.14	43.50	-17.88	200	282 QP	Horizontal	
3	239.52	30.47	37.21	-6.74	46.00	-15.53	100	114 QP	Horizontal	
4	299.66	28.14	32.87	-4.73	46.00	-17.86	200	199 QP	Horizontal	
5	710.94	31.85	30.11	1.74	46.00	-14.15	100	175 QP	Horizontal	
6	919.49	34.24	29.26	4.98	46.00	-11.76	200	271 QP	Horizontal	

	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	32.91	33.14	40.65	-7.51	40.00	-6.86	100	149 QP	Vertical	
2	76.56	27.59	37.37	-9.78	40.00	-12.41	246	360 QP	Vertical	
3	167.74	25.84	31.83	-5.99	43.50	-17.66	100	187 QP	Vertical	
4	239.52	29.57	36.31	-6.74	46.00	-16.43	100	187 QP	Vertical	
5	298.69	28.70	33.45	-4.75	46.00	-17.30	100	316 QP	Vertical	
6	846.74	33.00	29.26	3.74	46.00	-13.00	300	223 QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

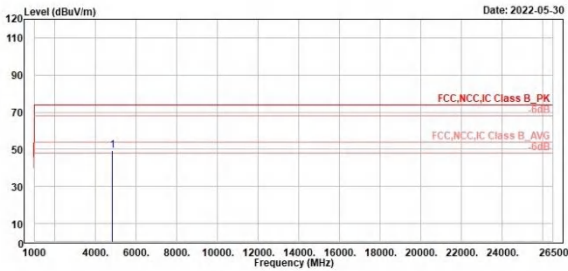
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CH11 (Horizontal)

CH11 (Vertical)



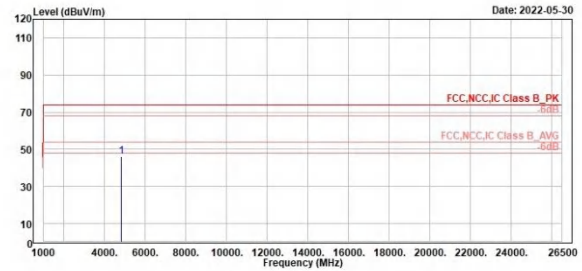
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1	4810.00	49.15	59.00	-9.85	74.00	-24.85	300	53	Peak	Horizontal
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1	4810.00	45.92	55.77	-9.85	74.00	-28.08	300	182	Peak	Vertical
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ZIGBEE 250kbps

CH17 (Horizontal)

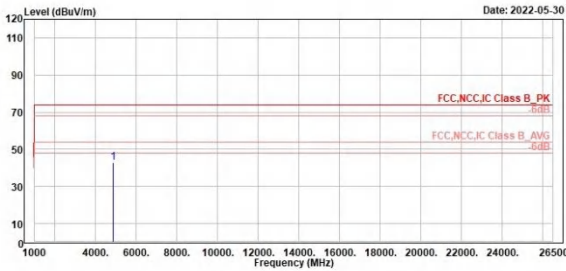
CH17 (Vertical)



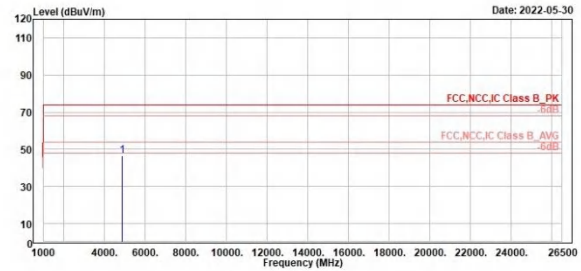
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1	4870.00	42.85	52.62	-9.77	74.00	-31.15	143	57	Peak	Horizontal
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1	4870.00	46.32	56.15	-9.83	74.00	-27.68	200	180	Peak	Vertical
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ZIGBEE 250kbps

CH26 (Horizontal)

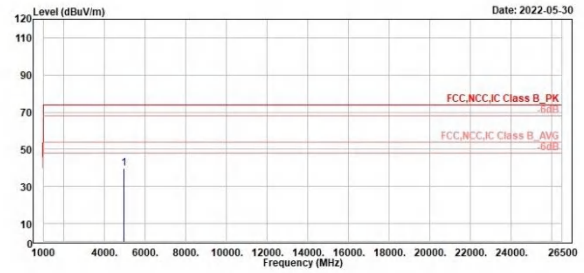
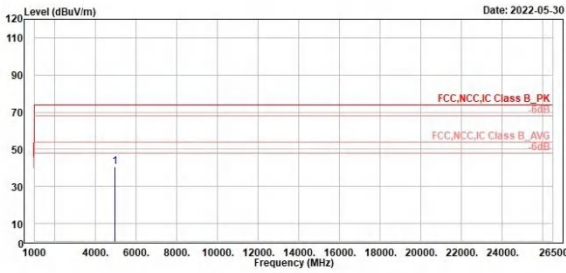
CH26 (Vertical)



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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	40.70	50.27	-9.57	74.00	-33.30	400	182 Peak	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	39.70	49.24	-9.54	74.00	-34.30	302	360 Peak	Vertical	

ZIGBEE 2Mbps

CH11 (Horizontal)

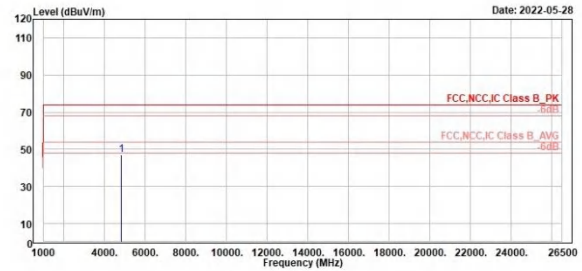
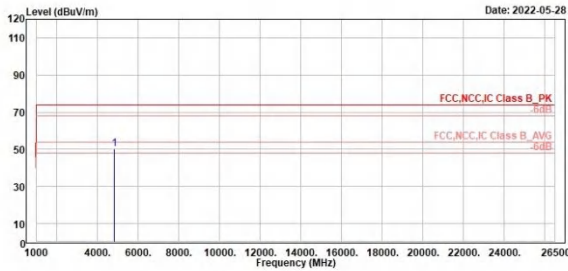
CH11 (Vertical)



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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	50.15	60.00	-9.85	74.00	-23.85	200	267 Peak	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	4810.00	46.84	56.69	-9.85	74.00	-27.16	300	328 Peak	Vertical	

ZIGBEE 2Mbps

CH17 (Horizontal)

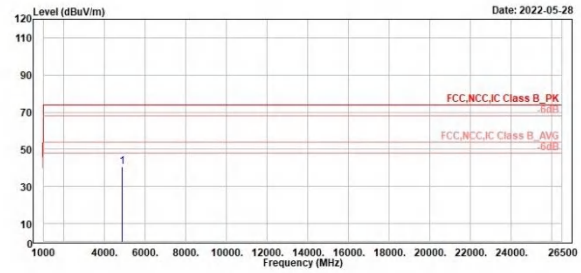
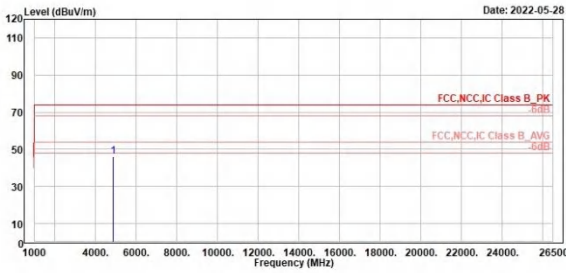
CH17 (Vertical)



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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	4870.00	46.27	56.03	-9.76	74.00	-27.73	100	277 Peak	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	4870.00	40.44	50.20	-9.76	74.00	-33.56	300	144 Peak	Vertical	

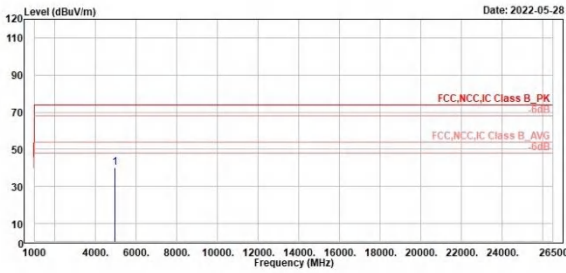
ZIGBEE 2Mbps

CH26 (Horizontal)

CH26 (Vertical)



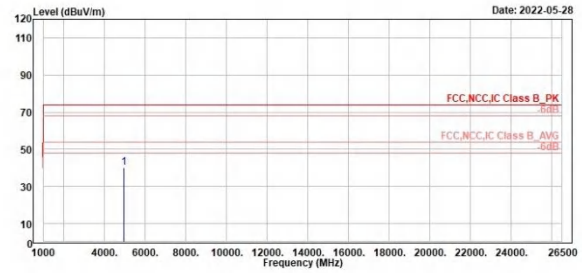
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4960.00	40.34	49.88	-9.54	74.00	-33.66	100	282 Peak	Horizontal	



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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	40.36	49.90	-9.54	74.00	-33.64	300	250 Peak	Vertical	

Test Results of Radiated Spurious Emissions & Mains Conducted

Emission Test for ANT 5 (ECC, Buck PWM On)

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

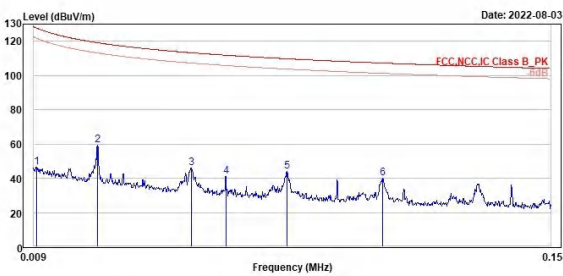
ZIGBEE 2Mbps

CH17 (Open) 9kHz~150kHz

CH17 (Open) 150kHz~30MHz



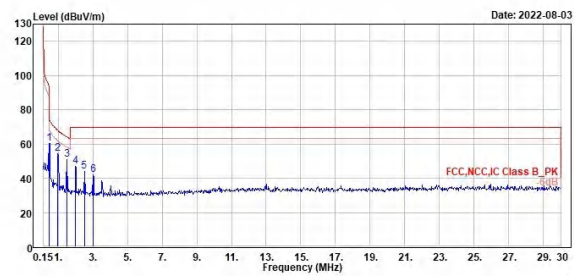
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	46.71	28.95	17.76	127.72	-81.01	100	262	QP	Open
2	0.03	59.14	39.95	19.19	119.13	-59.99	100	230	QP	Open
3	0.05	46.05	26.78	19.27	113.27	-67.22	100	218	QP	Open
4	0.06	41.22	22.16	19.06	111.82	-70.60	100	163	QP	Open
5	0.08	44.01	25.32	18.69	109.74	-65.73	100	217	QP	Open
6	0.10	39.00	21.57	18.23	107.24	-67.44	100	222	QP	Open



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.48	69.51	41.56	18.95	94.01	-33.50	100	137	QP	Open
2	0.99	54.54	35.28	19.26	67.73	-13.19	100	131	QP	Open
3	1.49	50.78	31.44	19.34	64.12	-13.34	100	137	QP	Open
4	2.00	47.18	27.77	19.41	69.50	-22.32	100	139	QP	Open
5	2.51	44.16	24.69	19.47	69.50	-25.34	100	148	QP	Open
6	3.02	42.20	22.68	19.52	69.50	-27.30	100	139	QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

ZIGBEE 2Mbps

CH17 (Horizontal)

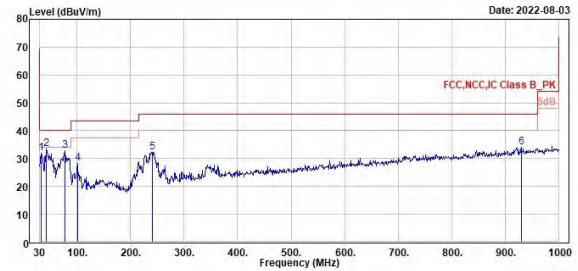
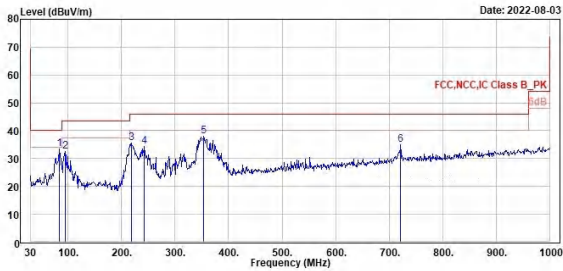
CH17 (Vertical)



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	84.32	33.46	44.92	-11.46	40.00	-6.54	400	68 QP	Horizontal	
2	94.99	32.51	44.91	-12.40	43.50	-10.99	200	181 QP	Horizontal	
3	218.18	35.47	43.55	-8.08	46.00	-10.53	200	49 QP	Horizontal	
4	242.43	34.22	40.93	-6.71	46.00	-11.78	100	303 QP	Horizontal	
5	353.98	37.90	41.73	-3.83	46.00	-8.10	100	78 QP	Horizontal	
6	721.61	34.06	33.10	1.76	46.00	-11.14	172	360 QP	Horizontal	

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	32.91	31.03	39.34	-7.51	40.00	-8.17	100	52 QP	Vertical	
2	41.64	33.53	39.65	-6.12	40.00	-6.47	100	187 QP	Vertical	
3	76.56	32.82	42.60	-9.78	40.00	-7.18	100	218 QP	Vertical	
4	100.81	28.40	39.57	-11.17	43.50	-15.10	100	48 QP	Vertical	
5	240.49	32.18	38.90	-6.72	46.00	-13.82	100	8 QP	Vertical	
6	930.16	33.97	28.65	5.32	46.00	-12.03	200	284 QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

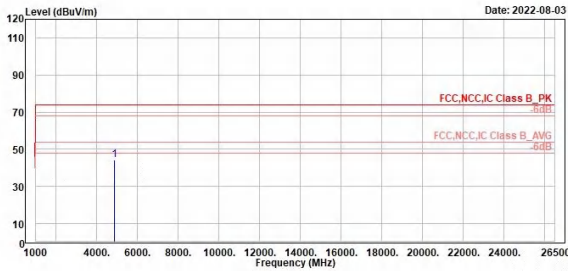
ZIGBEE 2Mbps

CH17 (Horizontal)

CH17 (Vertical)



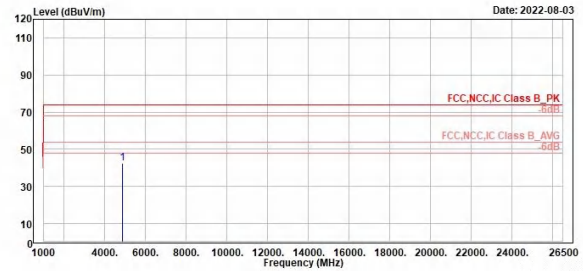
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Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 4870.00	44.13	53.89	-9.76	74.00	-29.87	0	0	Peak	Horizontal	



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Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 4870.00	42.63	52.39	-9.76	74.00	-31.37	365	360	Peak	Vertical	

Test Results of Radiated Spurious Emissions for ANT 5(ECC)_2nd Source Band Edges, 2.31GHz ~ 2.9GHz

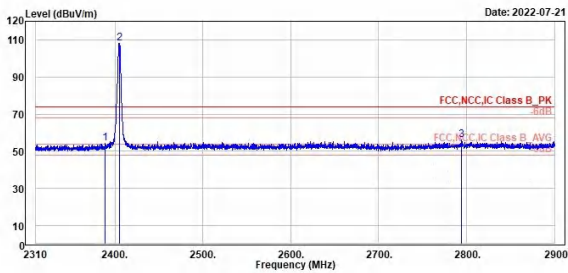
ZIGBEE 250kbps

CH11 (Horizontal) Peak

CH11 (Vertical) Peak



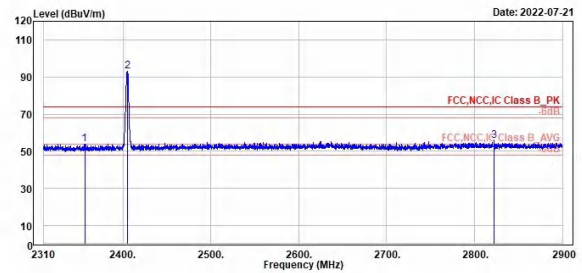
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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2388.59	54.37	16.00	37.57	74.00	-19.63	306	81 Peak	Horizontal	
2 *	2485.00	108.28	70.64	37.64	74.00	34.26	306	81 Peak	Horizontal	
3	2793.92	55.93	17.73	38.20	74.00	-18.07	306	81 Peak	Horizontal	



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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2356.61	54.04	16.63	37.41	74.00	-19.96	394	182 Peak	Vertical	
2 *	2485.00	92.87	55.23	37.64	74.00	18.87	394	182 Peak	Vertical	
3	2822.24	55.49	17.30	38.19	74.00	-18.51	394	182 Peak	Vertical	

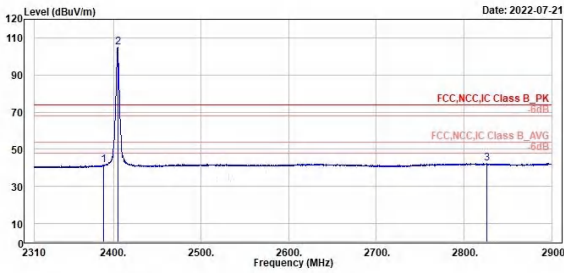
ZIGBEE 250kbps

CH11 (Horizontal) Average

CH11 (Vertical) Average



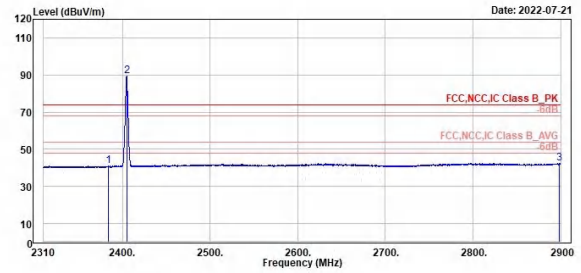
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2388.82	41.73	4.15	37.58	54.00	-12.27	306	81 Average	Horizontal
2 *	2485.80	104.80	67.16	37.64	54.00	50.80	306	81 Average	Horizontal
3	2826.13	42.38	4.20	38.18	54.00	-11.62	306	81 Average	Horizontal



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2383.75	40.97	3.42	37.55	54.00	-13.03	394	182 Average	Vertical
2 *	2485.80	89.48	51.84	37.64	54.00	35.48	394	182 Average	Vertical
3	2898.47	42.41	4.00	38.41	54.00	-11.59	394	182 Average	Vertical

ZIGBEE 250kbps

CH26 (Horizontal) Peak

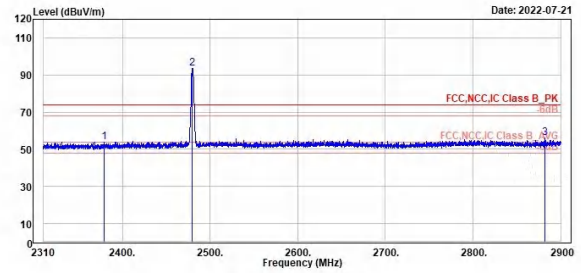
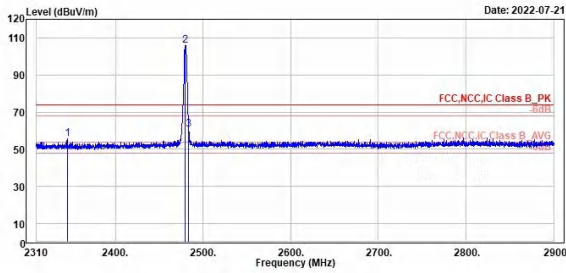
CH26 (Vertical) Peak



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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	2345.05	55.62	18.26	37.36	74.00	-18.38	326	79	Peak	HORIZONTAL	
2 *	2480.00	105.99	68.20	37.79	74.00	31.99	326	79	Peak	HORIZONTAL	
3	2483.46	60.90	23.10	37.80	74.00	-13.10	326	79	Peak	HORIZONTAL	

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	2379.38	53.93	16.40	37.53	74.00	-20.07	324	350	Peak	Vertical	
2 *	2480.00	93.63	55.84	37.79	74.00	19.63	324	350	Peak	Vertical	
3	2882.30	56.06	17.73	38.33	74.00	-17.94	324	350	Peak	Vertical	

ZIGBEE 250kbps

CH26 (Horizontal) Average

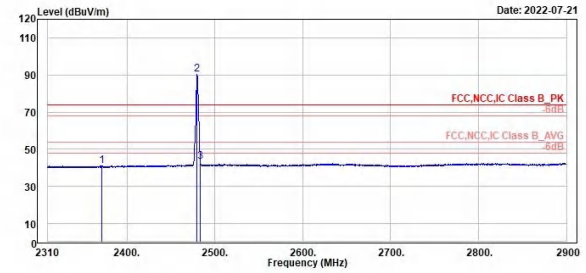
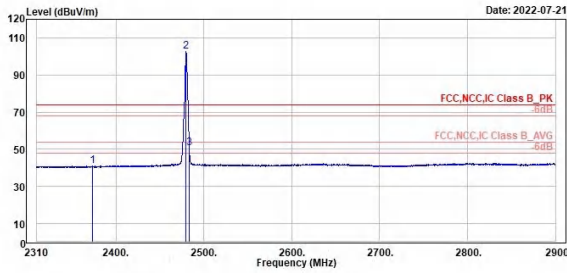
CH26 (Vertical) Average



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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	2373.37	48.97	3.48	37.49	54.00	-13.03	326	79 Average	HORIZONTAL	
2 *	2480.00	102.54	64.75	37.79	54.00	48.54	326	79 Average	HORIZONTAL	
3 †	2483.46	50.64	12.84	37.80	54.00	-3.36	326	79 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	2371.69	41.10	3.61	37.49	54.00	-12.90	324	350 Average	Vertical	
2 *	2480.00	90.23	52.44	37.79	54.00	36.23	324	350 Average	Vertical	
3	2483.46	43.25	5.45	37.80	54.00	-10.75	324	350 Average	Vertical	

ZIGBEE 2Mbps

CH11 (Horizontal) Peak

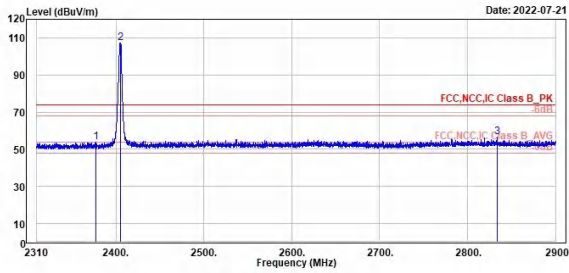
CH11 (Vertical) Peak



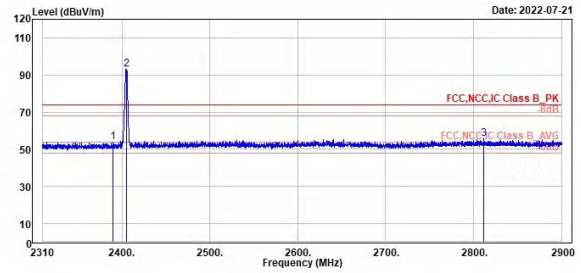
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dB/m	dBuV/m	dB	cm	deg			
1	2377.61	53.69	16.17	37.52	74.00	-20.31	244	264	Peak	Horizontal		
2 *	2485.00	187.48	69.76	37.64	74.00	33.48	244	264	Peak	Horizontal		
3	2833.68	56.44	18.27	38.17	74.00	-17.56	244	264	Peak	Horizontal		



Peak	Freq	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			
1	2389.89	53.94	16.36	37.58	74.00	-20.06	392	180	Peak	Vertical		
2 *	2485.00	93.26	55.62	37.64	74.00	19.26	392	180	Peak	Vertical		
3	2811.62	55.59	17.39	38.20	74.00	-18.41	392	180	Peak	Vertical		

ZIGBEE 2Mbps

CH11 (Horizontal) Average

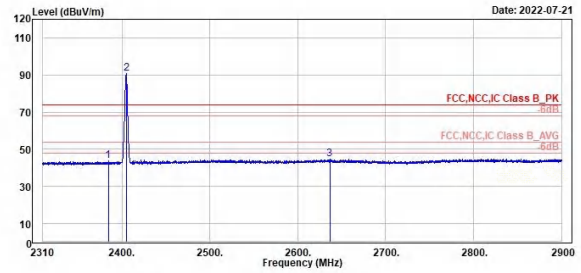
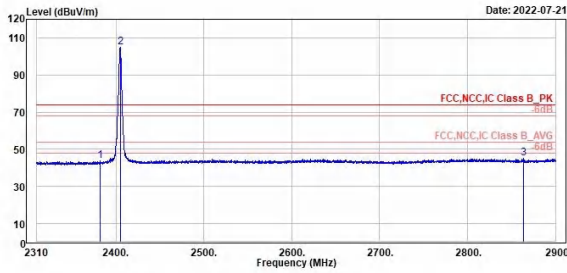
CH11 (Vertical) Average



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Freq	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			
1	2382.10	43.73	6.19	37.54	54.00	-10.27	244	264	Average	Horizontal	
2 *	2485.00	104.82	67.18	37.64	54.00	50.82	244	264	Average	Horizontal	
3	2863.42	45.04	6.81	38.23	54.00	-8.96	244	264	Average	Horizontal	

Freq	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			
1	2384.58	43.62	6.07	37.55	54.00	-10.38	392	180	Average	Vertical	
2 *	2485.00	90.66	53.02	37.64	54.00	36.66	392	180	Average	Vertical	
3	2636.39	44.93	6.92	38.01	54.00	-9.07	392	180	Average	Vertical	

ZIGBEE 2Mbps

CH26 (Horizontal) Peak

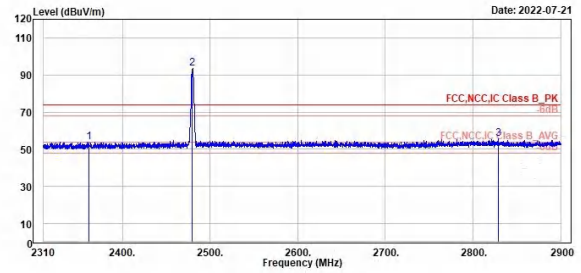
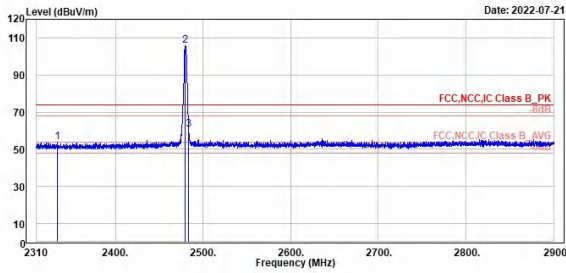
CH26 (Vertical) Peak



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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	2334.31	53.74	16.42	37.32	74.00	-20.26	326	79	Peak	Horizontal	
2 *	2480.00	105.06	68.07	37.79	74.00	-31.86	326	79	Peak	Horizontal	
3	2483.46	60.64	22.84	37.80	74.00	-13.36	326	79	Peak	Horizontal	

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	2362.16	53.95	16.51	37.44	74.00	-20.05	325	7	Peak	Vertical	
2 *	2480.00	93.33	55.54	37.79	74.00	-19.33	325	7	Peak	Vertical	
3	2828.61	55.47	17.29	38.18	74.00	-18.53	325	7	Peak	Vertical	

ZIGBEE 2Mbps

CH26 (Horizontal) Average

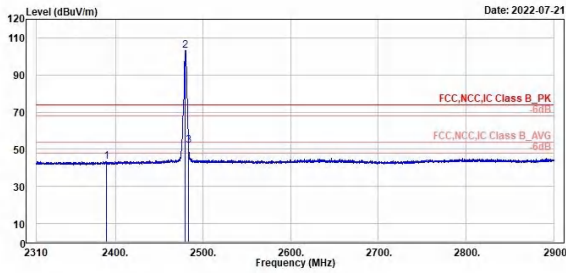
CH26 (Vertical) Average



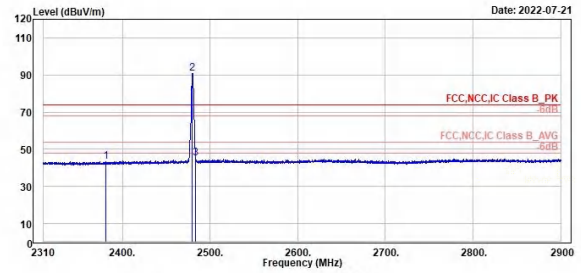
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2389.77	43.52	5.94	37.58	54.00	-10.48	326	79	Average	Horizontal	
2 *	2480.00	103.24	65.45	37.79	54.00	49.24	326	79	Average	Horizontal	
3 !	2483.46	52.05	14.25	37.80	54.00	-1.95	326	79	Average	Horizontal	



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2381.15	43.30	5.77	37.53	54.00	-10.70	325	7	Average	Vertical	
2 *	2480.00	90.72	52.93	37.79	54.00	36.72	325	7	Average	Vertical	
3	2483.46	45.18	7.38	37.80	54.00	-8.82	325	7	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

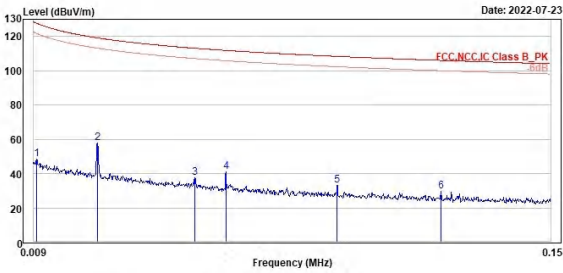
ZIGBEE 2Mbps

CH17 (Open) 9kHz~150kHz

CH17 (Open) 150kHz~30MHz



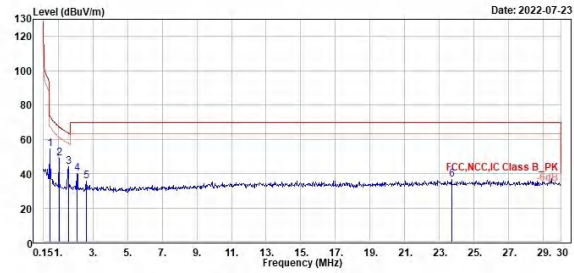
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.01	48.27	38.51	17.76	127.72	-79.45	100	251 QP	Open
2	0.03	58.00	38.81	19.19	119.13	-61.13	100	107 QP	Open
3	0.05	37.72	18.48	19.24	113.11	-75.39	100	269 QP	Open
4	0.06	40.95	21.89	19.06	111.82	-70.87	100	201 QP	Open
5	0.09	33.33	14.94	18.39	108.34	-75.01	100	166 QP	Open
6	0.12	29.49	11.20	18.29	106.01	-76.52	100	139 QP	Open



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.51	54.46	35.51	18.95	73.48	-19.02	100	154 QP	Open
2	1.05	48.72	29.45	19.27	67.22	-18.50	100	162 QP	Open
3	1.58	43.78	24.43	19.35	63.62	-19.84	100	162 QP	Open
4	2.09	39.85	20.43	19.42	69.50	-29.65	100	165 QP	Open
5	2.63	35.53	16.05	19.48	69.50	-33.97	100	162 QP	Open
6	23.70	36.40	14.03	22.37	69.50	-33.10	100	176 QP	Open

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

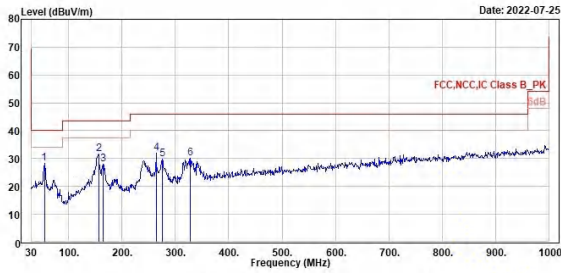
ZIGBEE 2Mbps

CH17 (Horizontal)

CH17 (Vertical)



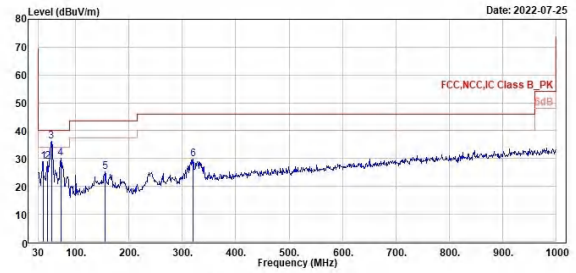
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	54.25	28.40	34.88	-6.48	40.00	-11.60	200	47	QP	Horizontal	
2	156.18	31.58	37.58	-6.00	43.50	-12.00	200	94	QP	Horizontal	
3	163.86	27.95	33.88	-5.93	43.50	-15.55	100	73	QP	Horizontal	
4	263.77	31.91	38.07	-6.16	46.00	-14.09	100	100	QP	Horizontal	
5	275.41	29.78	35.13	-5.43	46.00	-16.30	100	272	QP	Horizontal	
6	327.79	30.87	34.13	-4.06	46.00	-15.93	100	296	QP	Horizontal	



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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	38.73	28.94	35.29	-6.35	40.00	-11.06	100	107	QP	Vertical	
2	46.49	28.84	34.71	-5.87	40.00	-11.16	100	360	QP	Vertical	
3	54.25	36.24	42.64	-6.40	40.00	-3.76	100	154	QP	Vertical	
4	71.71	30.07	38.98	-8.91	40.00	-9.93	100	136	QP	Vertical	
5	155.13	25.20	31.29	-6.09	43.50	-18.30	200	163	QP	Vertical	
6	328.03	29.66	34.09	-4.43	46.00	-16.34	100	105	QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

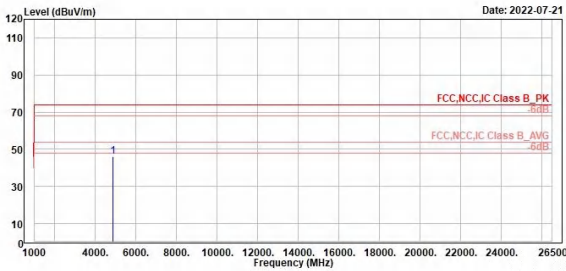
ZIGBEE 250kbps

CH17 (Horizontal)

CH17 (Vertical)



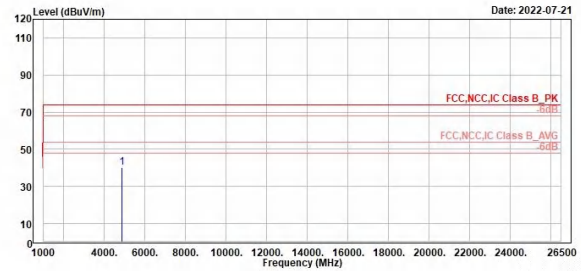
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1	4870.00	46.10	55.86	-9.76	74.00	-27.90	100	297	Peak	Horizontal
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1	4870.00	40.00	49.76	-9.76	74.00	-34.00	319	360	Peak	Vertical
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ZIGBEE 2Mbps

CH17 (Horizontal)

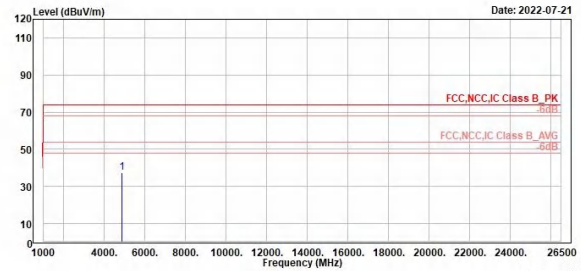
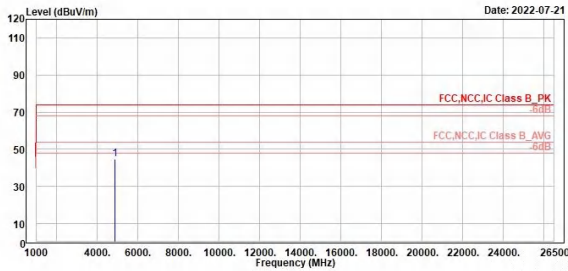
CH17 (Vertical)



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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 4870.00	44.71	54.47	-9.76	74.00	-29.29	300	109	Peak	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 4870.00	37.20	46.96	-9.76	74.00	-36.80	317	360	Peak	Vertical	

Test Results of Radiated Spurious Emissions & Mains Conducted

Emission Test for ANT 5 (UFL, ECC, 2nd Source_Buck PWM On)

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

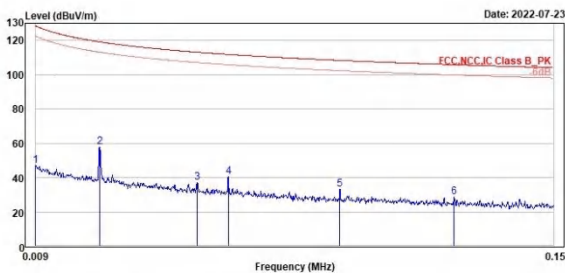
ZIGBEE 250kbps

CH17 (Open) 9kHz~150kHz

CH17 (Open) 150kHz~30MHz



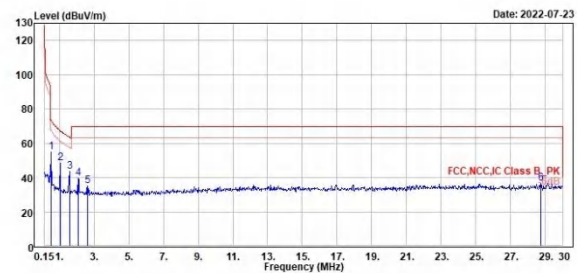
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.01	47.20	29.19	18.01	128.50	-81.30	100	84	QP	Open	
2	0.03	57.75	38.56	19.19	119.13	-61.38	100	360	QP	Open	
3	0.05	36.90	17.66	19.24	113.11	-76.21	100	161	QP	Open	
4	0.06	40.71	21.65	19.06	111.82	-71.11	100	143	QP	Open	
5	0.09	33.34	14.95	18.39	108.34	-75.00	100	191	QP	Open	
6	0.12	28.60	10.30	18.30	105.80	-77.20	100	126	QP	Open	



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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	0.51	54.62	35.67	18.95	73.48	-18.06	100	161	QP	Open	
2	1.05	48.58	29.31	19.27	67.22	-18.64	100	160	QP	Open	
3	1.58	43.46	24.11	19.35	63.62	-20.16	100	149	QP	Open	
4	2.09	39.30	19.88	19.42	69.50	-30.20	100	167	QP	Open	
5	2.63	35.29	15.81	19.48	69.50	-34.21	100	173	QP	Open	
6	28.75	36.65	14.06	22.59	69.50	-32.85	100	37	QP	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

ZIGBEE 250kbps

CH17 (Horizontal)

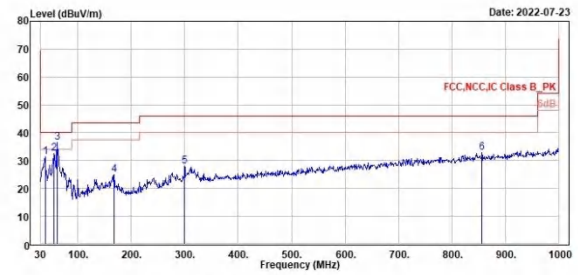
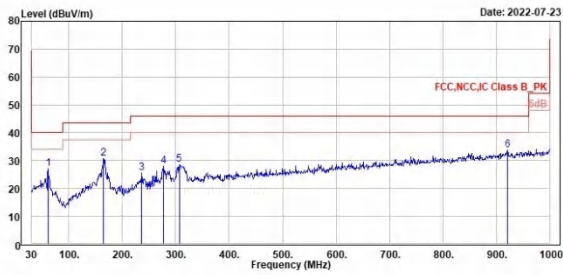
CH17 (Vertical)



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	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	61.04	27.06	34.23	-7.17	40.00	-12.94	200	106 QP	Horizontal	
2	164.83	30.65	36.57	-5.92	43.50	-12.85	200	274 QP	Horizontal	
3	236.61	25.43	32.24	-6.81	46.00	-20.57	100	115 QP	Horizontal	
4	276.38	27.91	33.32	-5.41	46.00	-18.09	100	118 QP	Horizontal	
5	306.45	28.52	33.25	-4.73	46.00	-17.48	400	115 QP	Horizontal	
6	920.46	33.83	28.82	5.01	46.00	-12.17	100	153 QP	Horizontal	

	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	38.73	31.24	37.59	-6.35	40.00	-8.76	100	79 QP	Vertical	
2	55.22	32.69	39.21	-6.52	40.00	-7.31	200	113 QP	Vertical	
3	61.04	36.58	43.75	-7.17	40.00	-3.42	200	113 QP	Vertical	
4	167.74	24.93	30.92	-5.99	43.50	-18.57	200	212 QP	Vertical	
5	299.66	28.01	32.74	-4.73	46.00	-17.99	100	65 QP	Vertical	
6	856.44	32.75	28.82	3.93	46.00	-13.25	300	337 QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

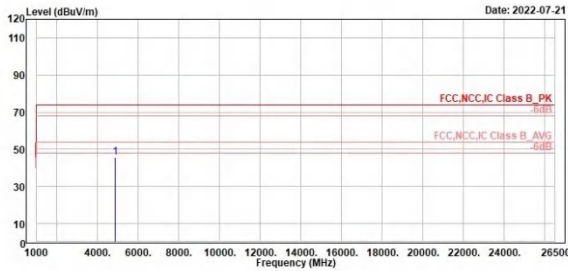
ZIGBEE 250kbps

CH17 (Horizontal)

CH17 (Vertical)



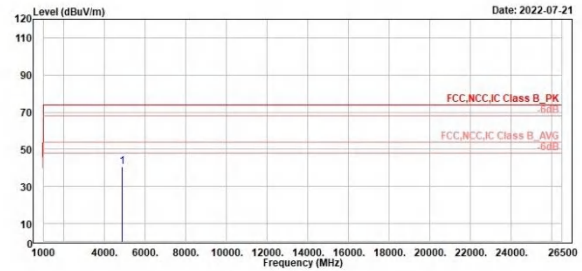
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4870.00	45.60	55.36	-9.76	74.00	-28.40	300	277 Peak	Horizontal	



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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	4870.00	40.76	50.52	-9.76	74.00	-33.24	354	360 Peak	Vertical	

Test Results of Radiated Spurious Emissions & Mains Conducted

Emission Test for ANT 5 (UFL, Non-ECC)

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

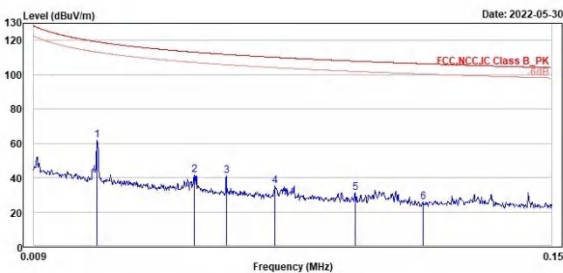
ZIGBEE 250kbps

CH11 (Open) 9kHz~150kHz

CH11 (Open) 150kHz~30MHz



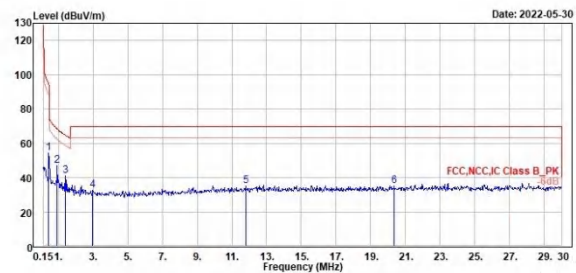
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	61.00	42.62	19.18	119.10	-57.30	100	112 QP	Open
2	0.05	41.51	22.26	19.25	113.13	-71.62	100	98 QP	Open
3	0.06	41.01	21.95	19.06	111.82	-70.81	100	7 QP	Open
4	0.07	35.07	16.30	18.77	110.13	-75.06	100	35 QP	Open
5	0.10	30.96	12.66	18.30	107.90	-76.94	100	145 QP	Open
6	0.12	25.77	7.50	18.27	106.30	-80.61	100	17 QP	Open



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.45	54.49	35.54	18.95	94.57	-40.08	100	148 QP	Open
2	0.93	47.19	27.96	19.23	68.27	-21.08	100	148 QP	Open
3	1.40	41.11	21.70	19.33	64.66	-23.55	100	148 QP	Open
4	2.99	32.62	13.10	19.52	69.50	-36.88	100	357 QP	Open
5	11.79	35.00	13.37	21.63	69.50	-34.50	100	176 QP	Open
6	20.36	34.85	12.63	22.22	69.50	-34.65	100	100 QP	Open

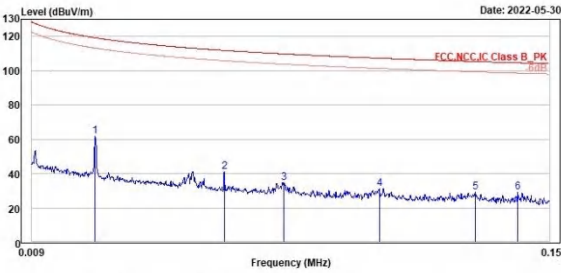
ZIGBEE 250kbps

CH11 (Close) 9kHz~150kHz

CH11 (Close) 150kHz~30MHz



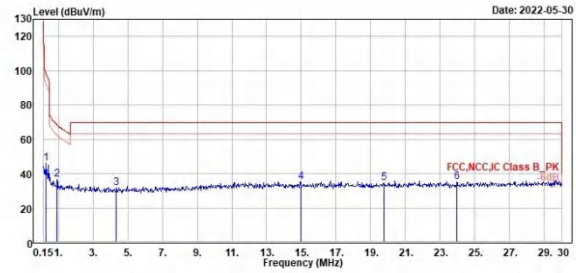
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	Apos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.03	61.88	42.70	19.18	119.18	-57.38	100	93	QP	Close	
2	0.06	41.06	22.00	19.06	111.82	-70.76	100	360	QP	Close	
3	0.08	34.42	15.72	18.70	109.79	-75.37	100	168	QP	Close	
4	0.10	31.29	13.06	18.23	107.29	-76.00	100	174	QP	Close	
5	0.13	29.14	10.82	18.32	105.33	-76.19	100	111	QP	Close	
6	0.14	29.04	10.68	18.36	104.60	-75.56	100	315	QP	Close	



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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	0.30	45.91	26.97	18.94	98.88	-52.17	100	196	QP	Close	
2	0.93	36.66	17.43	19.23	68.27	-31.61	100	328	QP	Close	
3	4.36	31.65	12.24	19.41	69.50	-37.85	100	360	QP	Close	
4	14.96	35.23	13.38	21.85	69.50	-34.27	100	349	QP	Close	
5	19.76	34.59	12.40	22.19	69.50	-34.91	100	344	QP	Close	
6	23.97	35.26	12.88	22.38	69.50	-34.24	100	182	QP	Close	

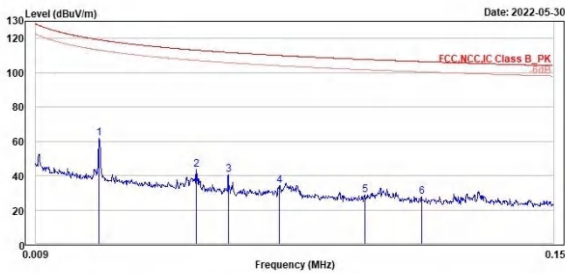
ZIGBEE 2Mbps

CH11 (Open) 9kHz~150kHz

CH11 (Open) 150kHz~30MHz



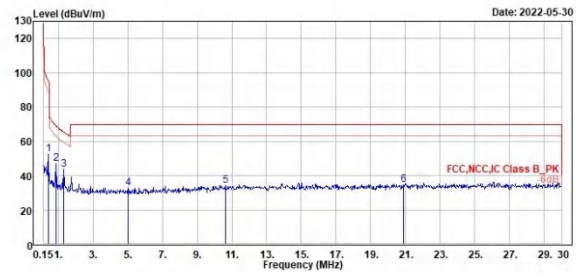
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.03	61.72	42.54	19.18	119.10	-57.46	100	130	QP	Open
2	0.05	43.67	24.42	19.25	113.13	-69.46	100	188	QP	Open
3	0.06	40.46	21.40	19.06	111.82	-71.36	100	174	QP	Open
4	0.08	34.29	15.54	18.75	110.06	-75.77	100	196	QP	Open
5	0.10	28.46	10.21	18.25	107.72	-79.26	100	188	QP	Open
6	0.11	27.48	9.21	18.27	106.46	-78.98	100	188	QP	Open



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.42	52.58	33.63	18.95	95.17	-42.59	100	151	QP	Open
2	0.87	47.12	27.93	19.19	68.85	-21.73	100	151	QP	Open
3	1.31	43.41	24.10	19.31	65.23	-21.82	100	151	QP	Open
4	5.02	32.71	13.34	19.37	69.50	-36.79	100	23	QP	Open
5	10.63	34.21	12.66	21.55	69.50	-35.29	100	300	QP	Open
6	20.90	34.58	12.34	22.24	69.50	-34.92	100	277	QP	Open

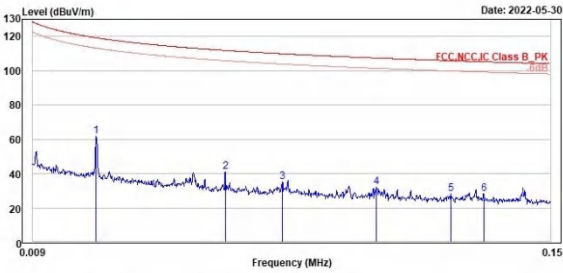
ZIGBEE 2Mbps

CH11 (Close) 9kHz~150kHz

CH11 (Close) 150kHz~30MHz



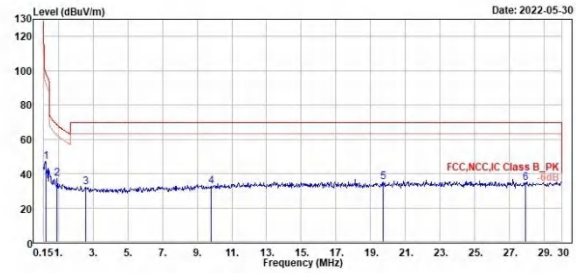
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	61.93	42.75	19.18	119.18	-57.25	100	251 QP	Close
2	0.06	41.15	22.09	19.06	111.82	-70.67	100	251 QP	Close
3	0.08	34.99	16.27	18.72	109.87	-74.88	100	177 QP	Close
4	0.10	32.37	14.14	18.23	107.37	-75.00	100	177 QP	Close
5	0.12	28.38	10.08	18.30	105.80	-77.42	100	128 QP	Close
6	0.13	26.40	10.07	18.33	105.20	-76.80	100	177 QP	Close



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.27	46.96	28.14	18.82	98.99	-52.03	100	182 QP	Close
2	0.93	37.23	18.00	19.23	68.27	-31.04	100	73 QP	Close
3	2.60	32.22	12.74	19.48	69.50	-37.28	100	358 QP	Close
4	9.79	32.82	11.42	21.40	69.50	-36.68	100	70 QP	Close
5	19.73	34.85	12.67	22.18	69.50	-34.65	100	313 QP	Close
6	27.91	34.54	11.98	22.56	69.50	-34.96	100	98 QP	Close

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

ZIGBEE 250kbps

CH11 (Horizontal)

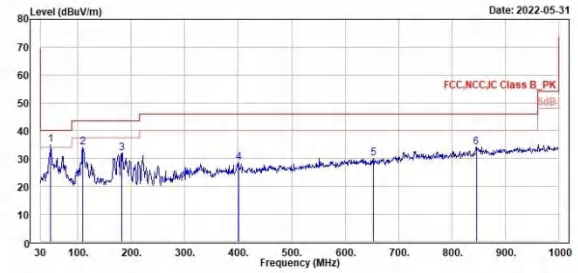
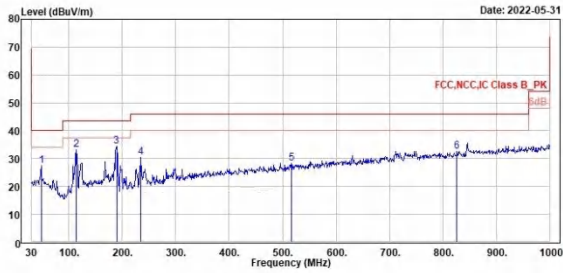
CH11 (Vertical)



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	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	48.43	27.27	33.36	-6.09	40.00	-12.73	100	142	QP	Horizontal
2	113.42	33.28	42.38	-9.10	43.50	-10.22	200	256	QP	Horizontal
3	189.08	34.39	42.71	-8.32	43.50	-9.11	200	292	QP	Horizontal
4	234.67	30.45	37.33	-6.88	46.00	-15.55	100	158	QP	Horizontal
5	515.97	28.36	29.79	-1.43	46.00	-17.64	180	360	QP	Horizontal
6	826.37	32.56	28.96	3.60	46.00	-13.44	100	216	QP	Horizontal

	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	49.40	35.13	41.22	-6.09	40.00	-4.87	144	360	QP	Vertical
2	109.54	34.06	43.68	-9.62	43.50	-9.44	100	220	QP	Vertical
3	182.29	31.92	39.63	-7.71	43.50	-11.58	100	288	QP	Vertical
4	400.54	28.56	31.51	-2.95	46.00	-17.44	100	202	QP	Vertical
5	653.71	30.15	29.37	0.78	46.00	-15.85	100	178	QP	Vertical
6	845.77	34.19	30.46	3.73	46.00	-11.81	200	171	QP	Vertical

ZIGBEE 2Mbps

CH11 (Horizontal)

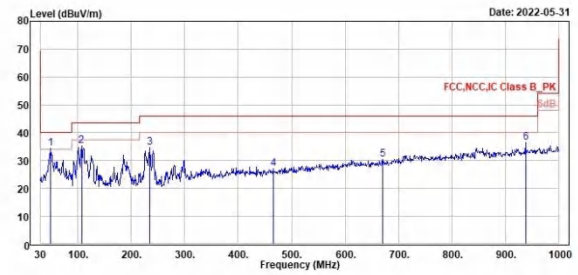
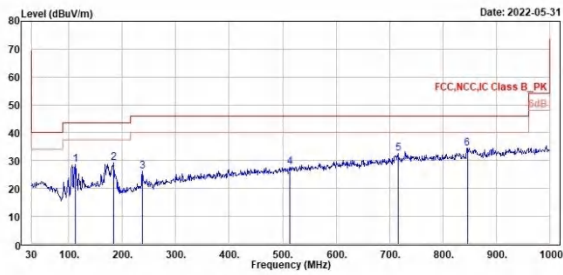
CH11 (Vertical)



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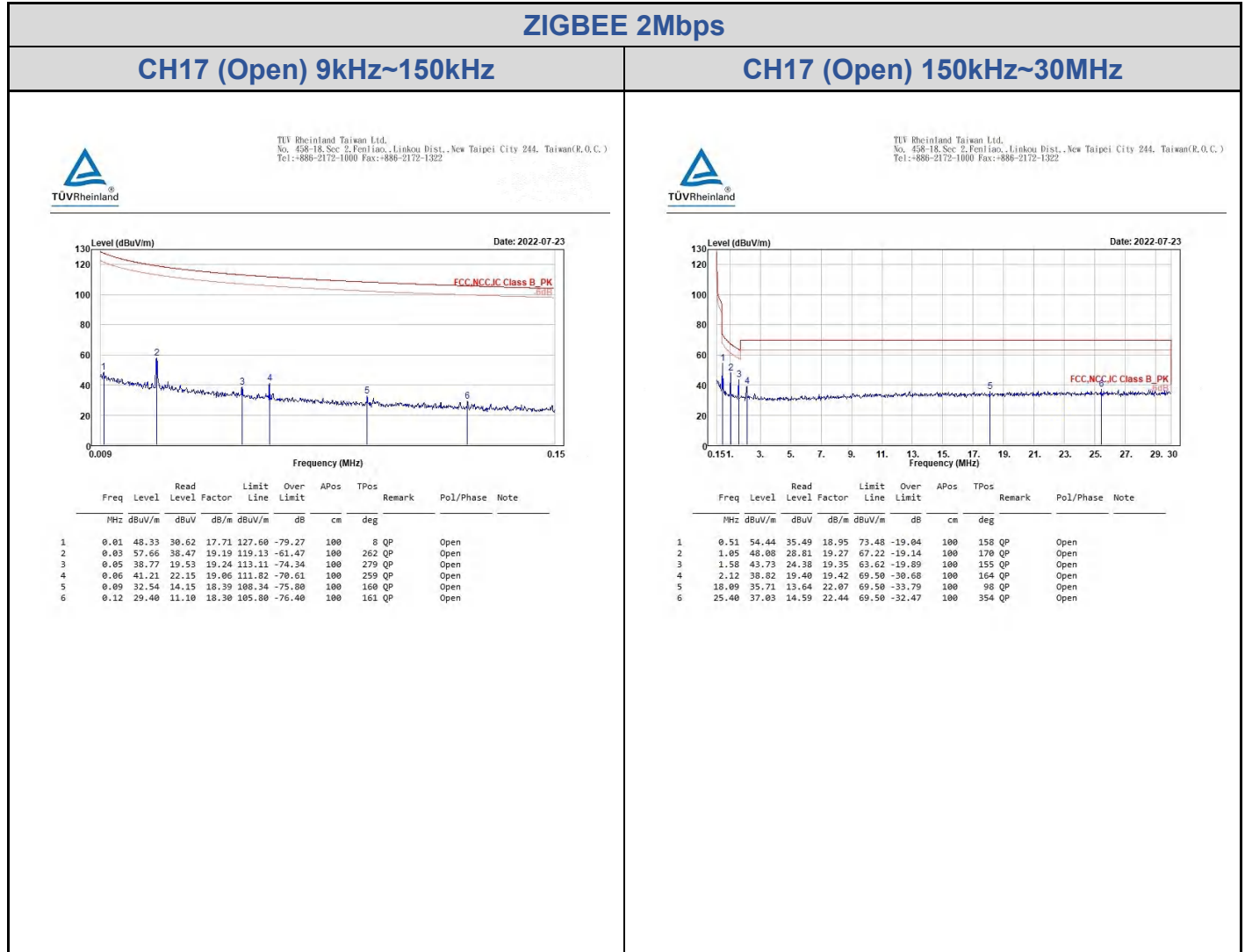
	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	111.48	28.65	38.00	-9.35	43.50	-14.85	100	69 QP	Horizontal	
2	184.23	29.19	37.10	-7.91	43.50	-14.31	100	28 QP	Horizontal	
3	237.58	26.85	32.84	-6.79	46.00	-19.95	100	85 QP	Horizontal	
4	513.06	27.55	29.05	-1.50	46.00	-18.45	200	209 QP	Horizontal	
5	715.79	32.47	30.73	1.74	46.00	-13.53	100	294 QP	Horizontal	
6	845.77	34.37	38.64	3.73	46.00	-11.63	100	46 QP	Horizontal	

	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	49.40	34.33	48.42	-6.89	48.00	-5.67	200	264 QP	Vertical	
2	106.63	35.16	45.20	-10.04	43.50	-8.34	100	259 QP	Vertical	
3	233.70	34.71	41.65	-6.94	46.00	-11.29	121	360 QP	Vertical	
4	465.53	26.98	28.98	-2.00	46.00	-19.02	200	33 QP	Vertical	
5	671.17	30.36	29.27	1.09	46.00	-15.64	200	309 QP	Vertical	
6	937.92	35.49	31.25	5.24	46.00	-9.51	200	84 QP	Vertical	

Test Results of Radiated Spurious Emissions for ANT 5

(Non-ECC)_2nd Source

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz



Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

ZIGBEE 2Mbps

CH17 (Horizontal)

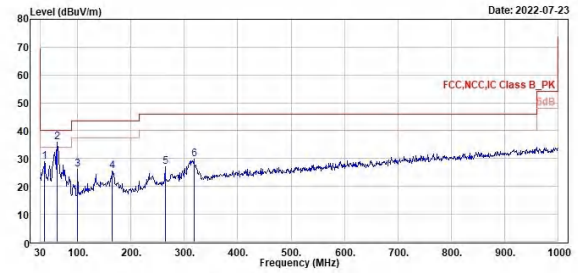
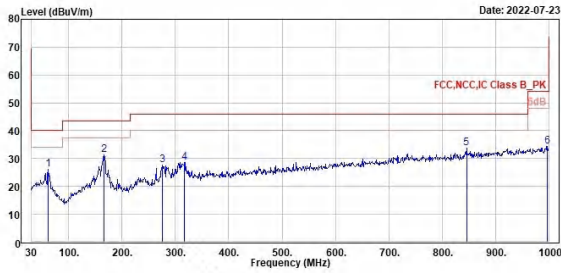
CH17 (Vertical)



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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	61.04	26.17	33.34	-7.17	40.00	-13.83	300	64 QP	Horizontal	
2	165.80	31.32	37.31	-5.99	43.50	-12.18	200	97 QP	Horizontal	
3	275.41	27.68	33.11	-5.43	46.00	-18.32	100	258 QP	Horizontal	
4	317.12	28.69	33.22	-4.53	46.00	-17.31	300	93 QP	Horizontal	
5	845.77	33.76	30.03	3.73	46.00	-12.24	100	106 QP	Horizontal	
6	997.09	34.51	28.32	6.19	54.00	-19.49	200	90 QP	Horizontal	

Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	37.76	29.00	35.57	-6.57	40.00	-11.00	100	102 QP	Vertical	
2	62.01	35.81	43.27	-7.46	40.00	-4.19	200	112 QP	Vertical	
3	99.84	26.31	37.61	-11.30	43.50	-17.19	100	99 QP	Vertical	
4	164.83	25.55	31.47	-5.92	43.50	-17.95	200	21 QP	Vertical	
5	263.77	26.99	33.15	-6.16	46.00	-19.01	100	128 QP	Vertical	
6	318.09	29.94	34.44	-4.50	46.00	-16.06	100	41 QP	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

ZIGBEE 2Mbps

CH17 (Horizontal)

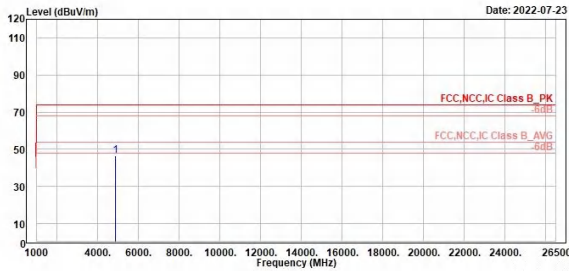
CH17 (Vertical)



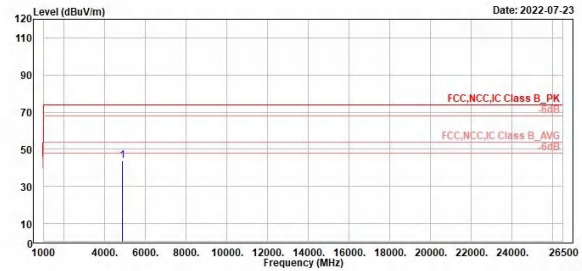
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1	4870.00	46.71	56.47	-9.76	74.00	-27.29	400	223	Peak	Horizontal
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1	4870.00	44.02	53.78	-9.76	74.00	-29.98	300	167	Peak	Vertical
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Mains Conducted Emission for Ant 5, 150kHz ~ 30MHz

Worst Band (ECC)

(Line)

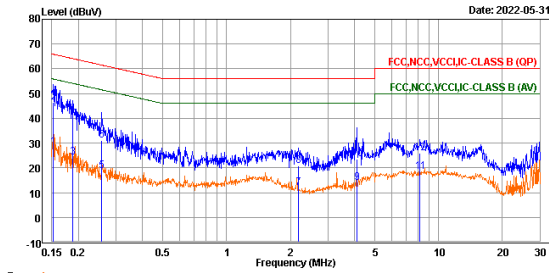
(Neutral)



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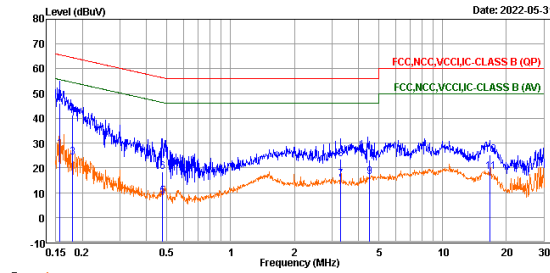


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Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.15	28.31	18.70	9.61	55.88	-27.57	Average	line1	
2	0.15	46.44	36.83	9.61	65.88	-19.44	QP	line1	
3	0.19	24.31	14.70	9.61	54.14	-29.83	Average	line1	
4	0.19	41.79	32.18	9.61	64.14	-22.35	QP	line1	
5	0.26	18.83	9.22	9.61	51.49	-32.66	Average	line1	
6	0.26	31.21	21.60	9.61	61.49	-30.28	QP	line1	
7	2.18	11.85	2.20	9.65	46.00	-34.15	Average	line1	
8	2.18	20.91	11.26	9.65	56.00	-35.09	QP	line1	
9	4.11	13.87	4.20	9.67	46.00	-32.13	Average	line1	
10	4.11	23.46	13.79	9.67	56.00	-32.54	QP	line1	
11	8.17	18.40	8.69	9.71	50.00	-31.60	Average	line1	
12	8.17	25.93	16.22	9.71	60.00	-34.07	QP	line1	



Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.16	27.74	18.15	9.59	55.67	-27.93	Average	neutral	
2	0.16	46.00	36.41	9.59	65.67	-19.67	QP	neutral	
3	0.18	24.16	14.57	9.59	54.51	-30.35	Average	neutral	
4	0.18	41.39	31.80	9.59	64.51	-23.12	QP	neutral	
5	0.48	8.41	-1.19	9.60	46.40	-37.99	Average	neutral	
6	0.48	18.36	8.76	9.60	56.40	-38.04	QP	neutral	
7	3.31	15.39	5.74	9.65	46.00	-30.61	Average	neutral	
8	3.31	23.46	13.81	9.65	56.00	-32.54	QP	neutral	
9	4.54	16.35	6.67	9.68	46.00	-29.65	Average	neutral	
10	4.54	23.35	13.67	9.68	56.00	-32.65	QP	neutral	
11	16.74	18.55	8.77	9.78	50.00	-31.45	Average	neutral	
12	16.74	25.13	15.35	9.78	60.00	-34.87	QP	neutral	

Worst Band (Non-ECC)

(Line)

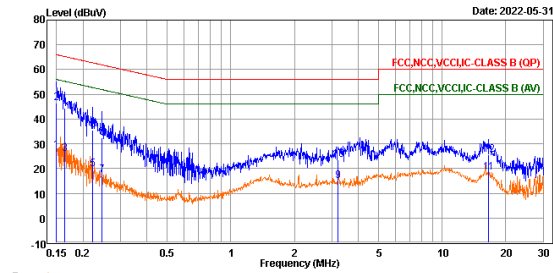
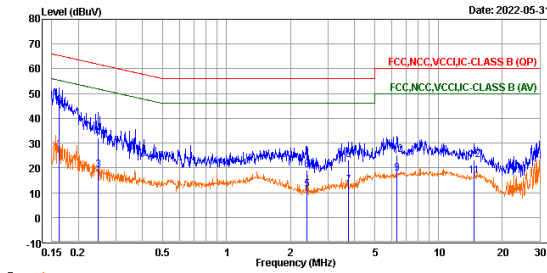
(Neutral)



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Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit (dB)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.16	27.46	17.85	9.61	55.38	-27.92	Average	line1	
2	0.16	45.19	35.58	9.61	65.38	-20.19	QP	line1	
3	0.25	19.14	9.53	9.61	51.82	-32.68	Average	line1	
4	0.25	32.21	22.60	9.61	61.82	-29.61	QP	line1	
5	2.40	11.15	1.50	9.65	46.00	-34.85	Average	line1	
6	2.40	19.26	9.61	9.65	56.00	-36.74	QP	line1	
7	3.75	13.04	3.37	9.67	46.00	-32.96	Average	line1	
8	3.75	23.04	13.37	9.67	56.00	-32.96	QP	line1	
9	6.34	17.83	8.12	9.71	50.00	-32.17	Average	line1	
10	6.34	25.34	15.63	9.71	60.00	-34.66	QP	line1	
11	14.71	16.84	7.11	9.73	50.00	-33.16	Average	line1	
12	14.71	23.15	13.42	9.73	60.00	-36.85	QP	line1	

Trace: 1

Line	Freq (MHz)	Level (dBuV)	Read Level (dBuV)	Factor (dB)	Limit (dB)	Over Limit (dB)	Remark	Pol/Phase	Note
1	0.15	27.26	17.67	9.59	56.00	-28.74	Average	neutral	
2	0.15	46.43	36.84	9.59	66.00	-19.57	QP	neutral	
3	0.16	25.99	16.40	9.59	55.25	-29.26	Average	neutral	
4	0.16	44.48	34.89	9.59	65.25	-20.77	QP	neutral	
5	0.22	19.79	10.20	9.59	52.77	-32.98	Average	neutral	
6	0.22	35.56	25.97	9.59	62.77	-27.21	QP	neutral	
7	0.25	17.32	7.73	9.59	51.90	-34.58	Average	neutral	
8	0.25	32.49	22.90	9.59	61.90	-29.41	QP	neutral	
9	3.22	14.86	5.21	9.65	46.00	-31.14	Average	neutral	
10	3.22	23.38	13.73	9.65	56.00	-32.62	QP	neutral	
11	16.58	18.26	8.48	9.78	50.00	-31.74	Average	neutral	
12	16.58	25.65	15.87	9.78	60.00	-34.35	QP	neutral	