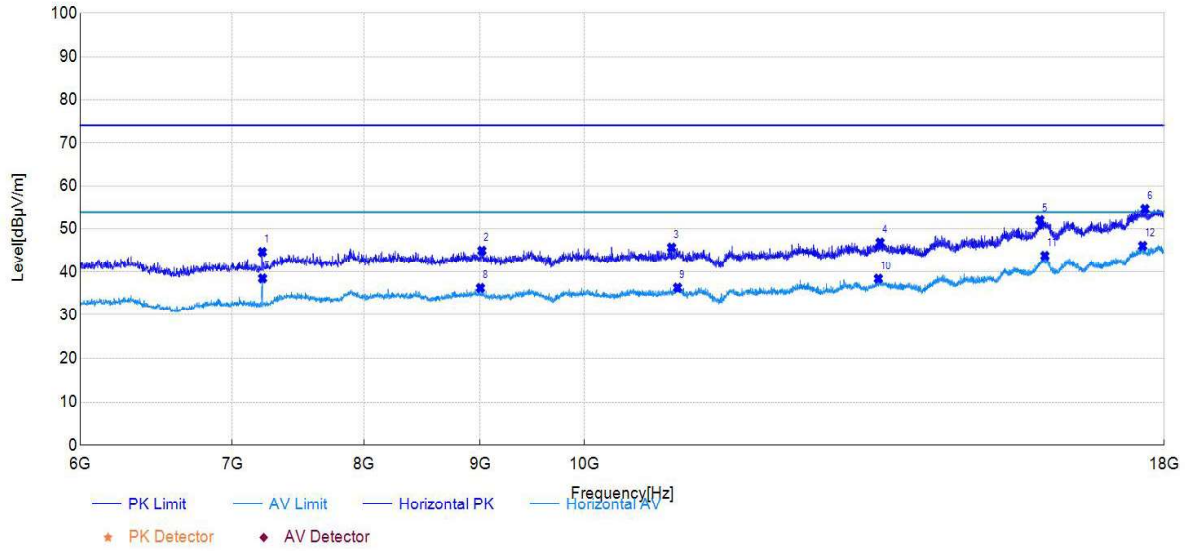
6GHz-18GHz

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	11	Test Engineer:	Stone Zhang



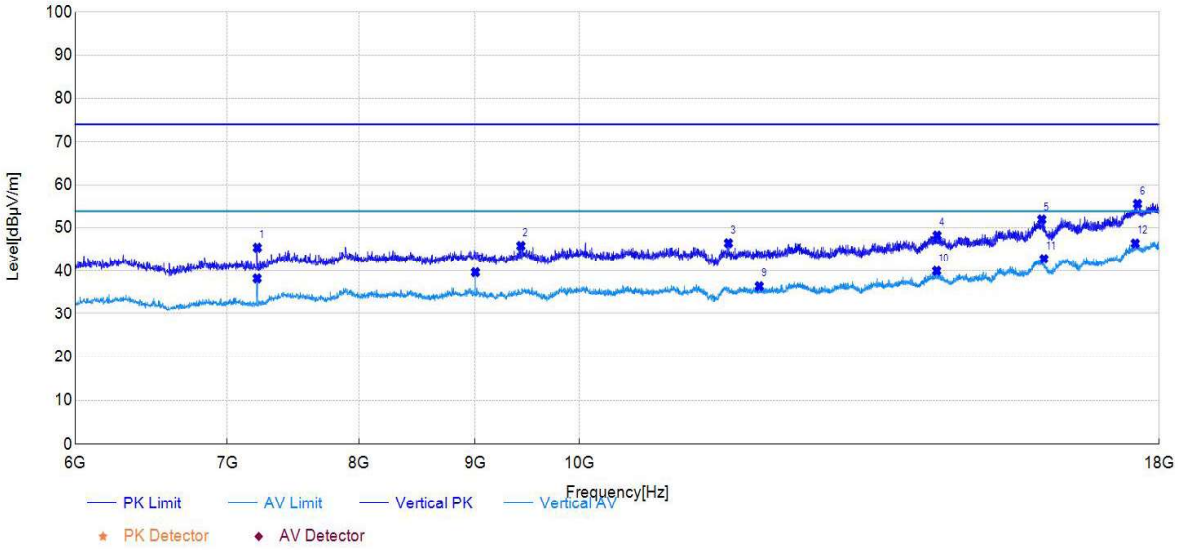
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7216.50	48.74	44.68	-4.06	74.00	29.32	150	82	PK	Horizontal	PASS
2	9015.00	45.75	44.97	-0.78	74.00	29.03	150	29	PK	Horizontal	PASS
3	10926.00	44.65	45.70	1.05	74.00	28.30	150	306	PK	Horizontal	PASS
4	13497.00	43.52	46.85	3.33	74.00	27.15	100	52	PK	Horizontal	PASS
5	15870.00	42.77	51.97	9.20	74.00	22.03	150	327	PK	Horizontal	PASS
6	17652.00	41.07	54.73	13.66	74.00	19.27	100	33	PK	Horizontal	PASS
7	7218.00	42.52	38.47	-4.05	54.00	15.53	150	82	AV	Horizontal	PASS
8	9001.50	37.05	36.27	-0.78	54.00	17.73	150	53	AV	Horizontal	PASS
9	10992.00	35.06	36.35	1.29	54.00	17.65	150	306	AV	Horizontal	PASS
10	13473.00	35.19	38.41	3.22	54.00	15.59	150	63	AV	Horizontal	PASS
11	15949.50	34.02	43.80	9.78	54.00	10.20	150	72	AV	Horizontal	PASS
12	17611.50	32.16	46.07	13.91	54.00	7.93	150	302	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	11	Test Engineer:	Stone Zhang



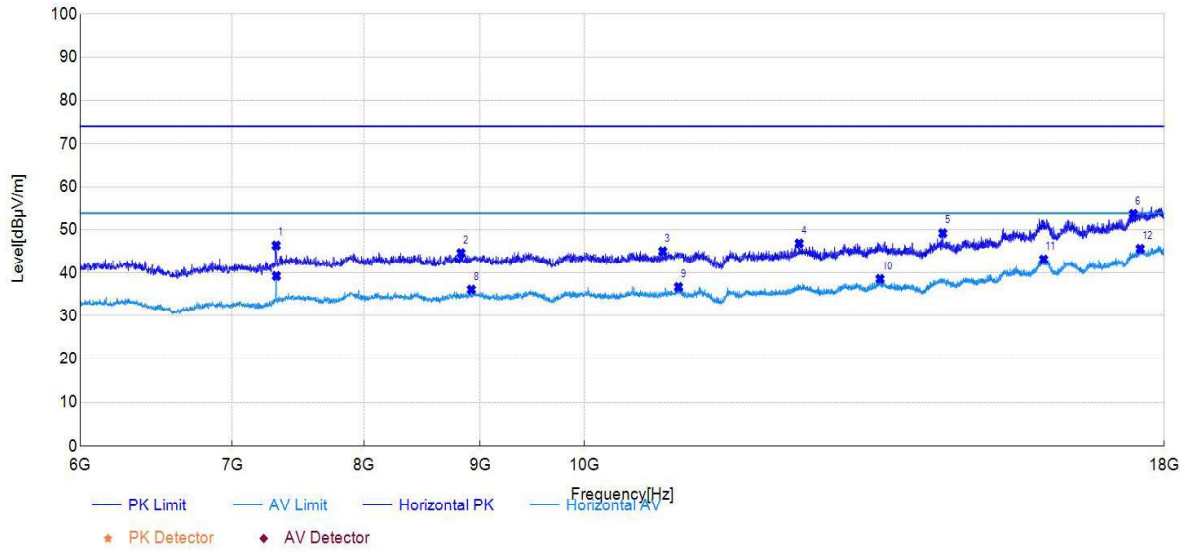
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7216.50	49.49	45.43	-4.06	74.00	28.57	150	330	PK	Vertical	PASS
2	9426.00	46.36	45.84	-0.52	74.00	28.16	150	287	PK	Vertical	PASS
3	11632.50	44.98	46.46	1.48	74.00	27.54	100	312	PK	Vertical	PASS
4	14371.50	42.68	48.21	5.53	74.00	25.79	150	44	PK	Vertical	PASS
5	15981.00	42.58	51.86	9.28	74.00	22.14	150	359	PK	Vertical	PASS
6	17608.50	41.22	55.67	14.45	74.00	18.33	100	240	PK	Vertical	PASS
7	7215.00	42.30	38.23	-4.07	54.00	15.77	150	48	AV	Vertical	PASS
8	9001.50	40.43	39.65	-0.78	54.00	14.35	150	116	AV	Vertical	PASS
9	12001.50	34.92	36.45	1.53	54.00	17.55	150	101	AV	Vertical	PASS
10	14365.50	34.46	39.97	5.51	54.00	14.03	150	63	AV	Vertical	PASS
11	16015.50	33.76	42.82	9.06	54.00	11.18	100	240	AV	Vertical	PASS
12	17568.00	32.21	46.40	14.19	54.00	7.60	150	257	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	18	Test Engineer:	Stone Zhang



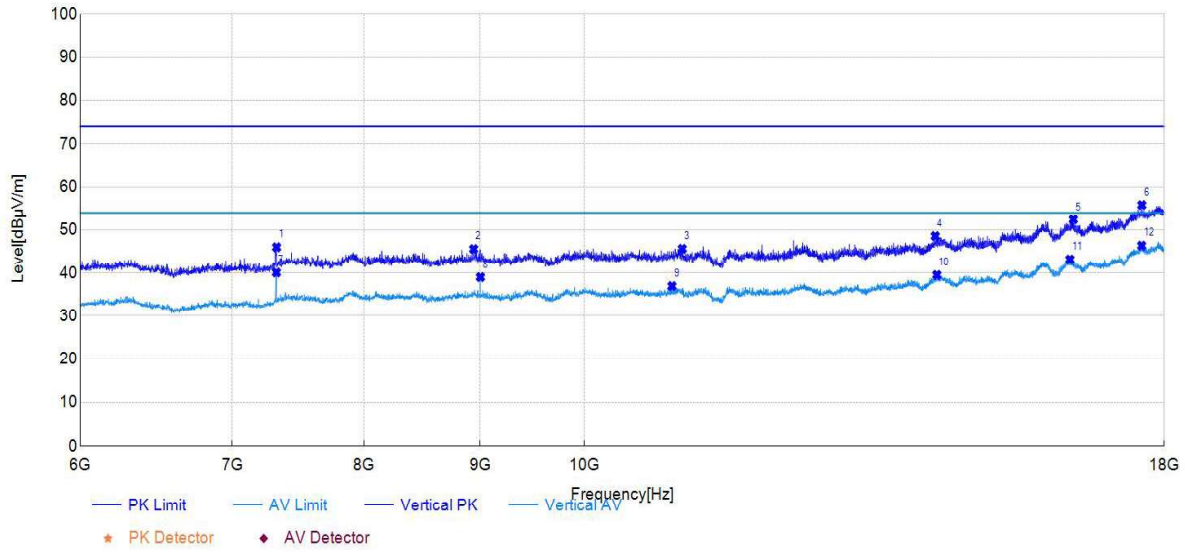
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7318.50	49.72	46.38	-3.34	74.00	27.62	150	87	PK	Horizontal	PASS
2	8826.00	45.72	44.65	-1.07	74.00	29.35	150	346	PK	Horizontal	PASS
3	10828.50	44.39	45.06	0.67	74.00	28.94	100	176	PK	Horizontal	PASS
4	12433.50	44.52	46.86	2.34	74.00	27.14	100	360	PK	Horizontal	PASS
5	14382.00	44.10	49.19	5.09	74.00	24.81	100	131	PK	Horizontal	PASS
6	17446.50	41.00	53.84	12.84	74.00	20.16	150	204	PK	Horizontal	PASS
7	7320.00	42.58	39.25	-3.33	54.00	14.75	150	82	AV	Horizontal	PASS
8	8919.00	37.24	36.13	-1.11	54.00	17.87	150	234	AV	Horizontal	PASS
9	11002.50	35.42	36.72	1.30	54.00	17.28	100	263	AV	Horizontal	PASS
10	13495.50	35.25	38.57	3.32	54.00	15.43	100	269	AV	Horizontal	PASS
11	15928.50	33.40	43.18	9.78	54.00	10.82	150	308	AV	Horizontal	PASS
12	17566.50	31.95	45.62	13.67	54.00	8.38	150	331	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	18	Test Engineer:	Stone Zhang



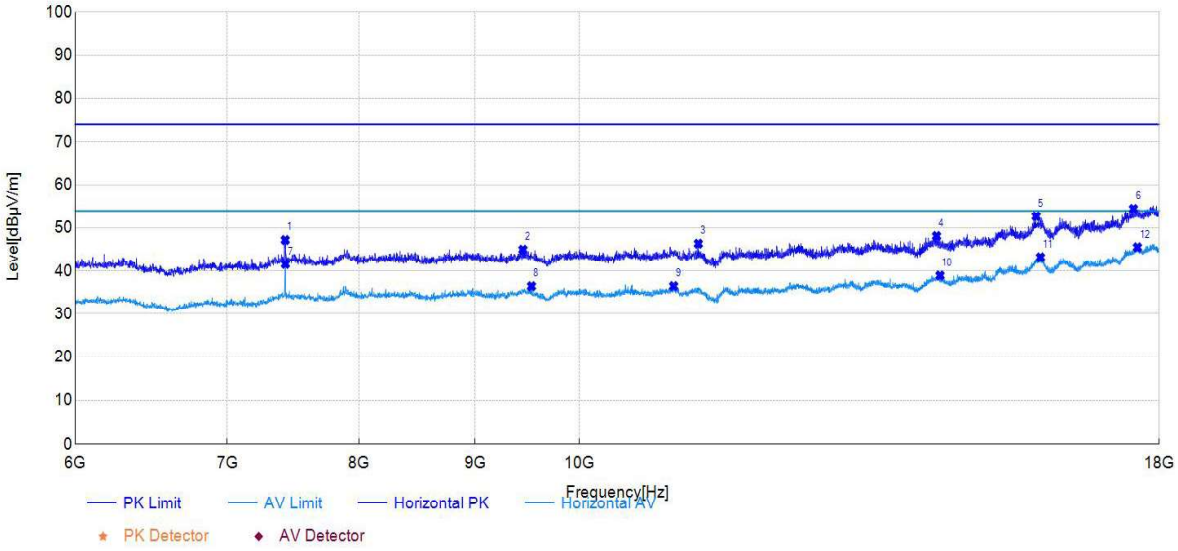
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7321.50	49.31	45.99	-3.32	74.00	28.01	150	334	PK	Vertical	PASS
2	8940.00	46.60	45.57	-1.03	74.00	28.43	100	360	PK	Vertical	PASS
3	11044.50	44.47	45.62	1.15	74.00	28.38	150	280	PK	Vertical	PASS
4	14272.50	43.50	48.55	5.05	74.00	25.45	100	205	PK	Vertical	PASS
5	16416.00	42.74	52.40	9.66	74.00	21.60	150	227	PK	Vertical	PASS
6	17596.50	41.36	55.82	14.46	74.00	18.18	100	210	PK	Vertical	PASS
7	7320.00	43.40	40.07	-3.33	54.00	13.93	150	324	AV	Vertical	PASS
8	9001.50	39.79	39.01	-0.78	54.00	14.99	150	116	AV	Vertical	PASS
9	10930.50	35.74	36.93	1.19	54.00	17.07	100	268	AV	Vertical	PASS
10	14296.50	34.21	39.50	5.29	54.00	14.50	150	174	AV	Vertical	PASS
11	16359.00	33.62	43.16	9.54	54.00	10.84	100	142	AV	Vertical	PASS
12	17593.50	31.93	46.36	14.43	54.00	7.64	150	318	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	25	Test Engineer:	Stone Zhang



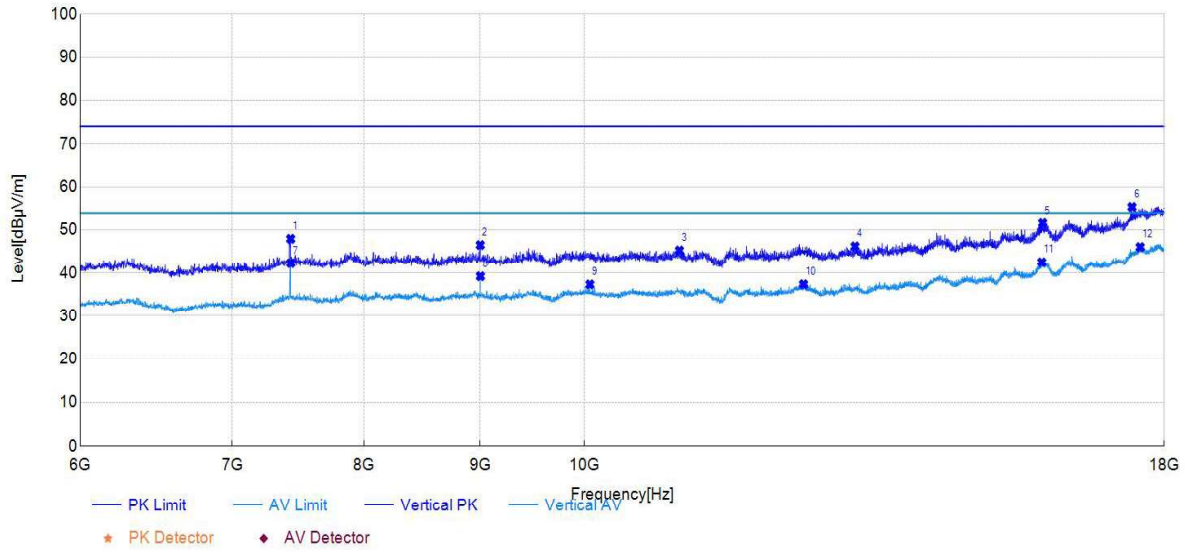
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7423.50	49.99	47.19	-2.80	74.00	26.81	150	45	PK	Horizontal	PASS
2	9445.50	45.34	44.97	-0.37	74.00	29.03	150	25	PK	Horizontal	PASS
3	11283.00	45.50	46.35	0.85	74.00	27.65	100	54	PK	Horizontal	PASS
4	14364.00	43.09	48.11	5.02	74.00	25.89	150	196	PK	Horizontal	PASS
5	15889.50	43.10	52.68	9.58	74.00	21.32	150	306	PK	Horizontal	PASS
6	17536.50	41.10	54.48	13.38	74.00	19.52	150	332	PK	Horizontal	PASS
7	7425.00	44.37	41.57	-2.80	54.00	12.43	150	45	AV	Horizontal	PASS
8	9528.00	36.48	36.45	-0.03	54.00	17.55	100	337	AV	Horizontal	PASS
9	11004.00	35.18	36.47	1.29	54.00	17.53	100	360	AV	Horizontal	PASS
10	14415.00	33.85	38.90	5.05	54.00	15.10	150	0	AV	Horizontal	PASS
11	15958.50	33.43	43.21	9.78	54.00	10.79	100	126	AV	Horizontal	PASS
12	17607.00	31.58	45.52	13.94	54.00	8.48	100	165	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	25	Test Engineer:	Stone Zhang



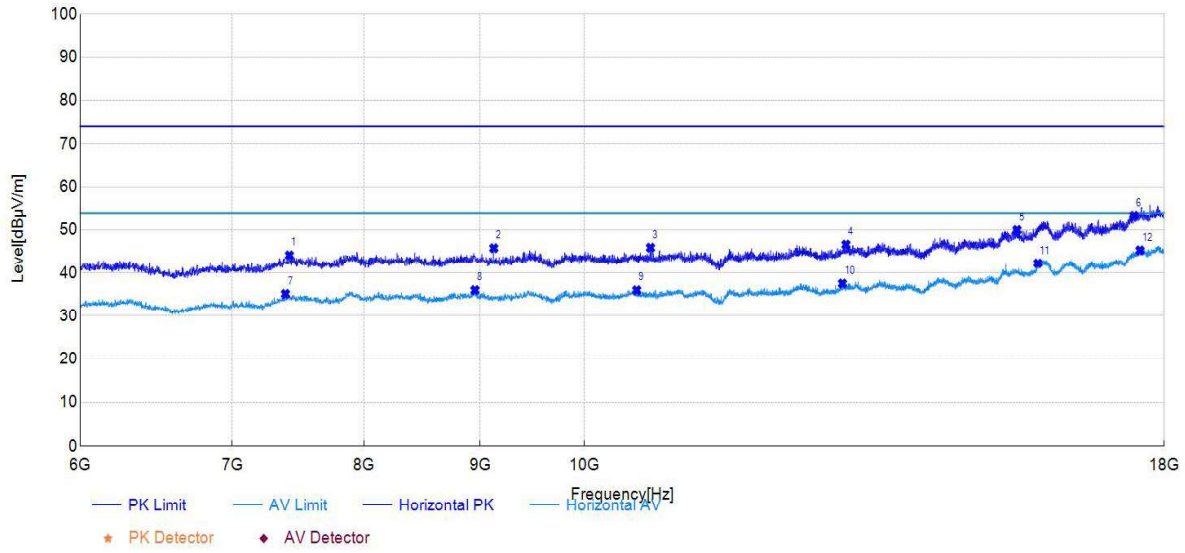
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7426.50	50.71	47.91	-2.80	74.00	26.09	150	53	PK	Vertical	PASS
2	9000.00	47.27	46.49	-0.78	74.00	27.51	150	116	PK	Vertical	PASS
3	11013.00	43.91	45.25	1.34	74.00	28.75	100	282	PK	Vertical	PASS
4	13158.00	43.44	46.18	2.74	74.00	27.82	150	20	PK	Vertical	PASS
5	15913.50	42.26	51.55	9.29	74.00	22.45	100	340	PK	Vertical	PASS
6	17422.50	42.18	55.39	13.21	74.00	18.61	150	228	PK	Vertical	PASS
7	7428.00	45.07	42.26	-2.81	54.00	11.74	150	48	AV	Vertical	PASS
8	9001.50	39.98	39.20	-0.78	54.00	14.80	150	77	AV	Vertical	PASS
9	10057.50	36.89	37.33	0.44	54.00	16.67	150	257	AV	Vertical	PASS
10	12489.00	34.82	37.35	2.53	54.00	16.65	150	77	AV	Vertical	PASS
11	15900.00	33.21	42.51	9.30	54.00	11.49	150	34	AV	Vertical	PASS
12	17566.50	31.85	46.03	14.18	54.00	7.97	150	141	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	26	Test Engineer:	Stone Zhang



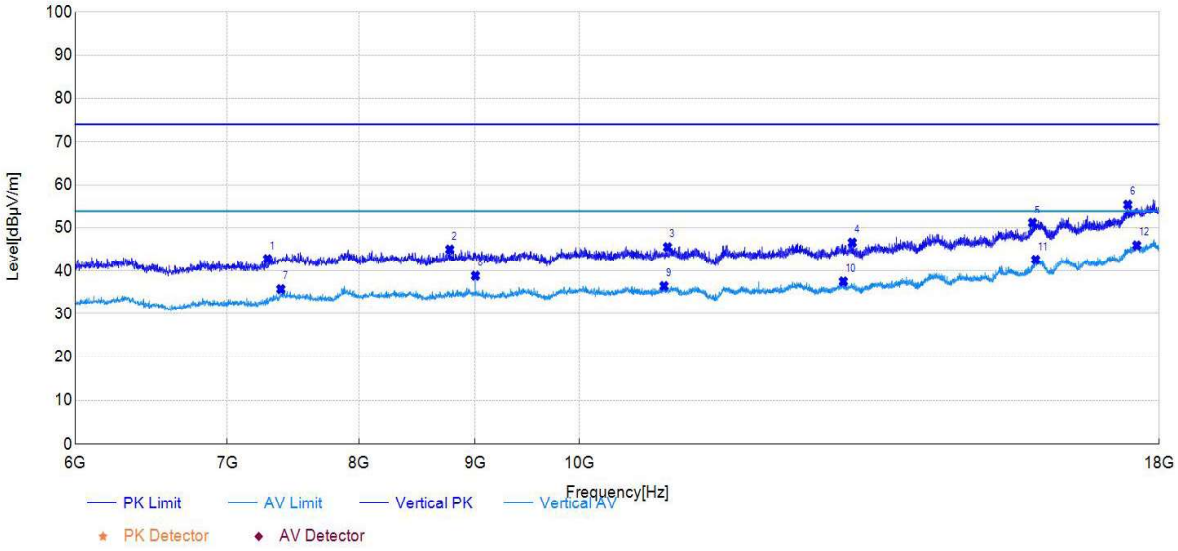
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7417.50	46.90	44.12	-2.78	74.00	29.88	100	58	PK	Horizontal	PASS
2	9124.50	46.65	45.77	-0.88	74.00	28.23	100	327	PK	Horizontal	PASS
3	10695.00	45.39	45.88	0.49	74.00	28.12	150	337	PK	Horizontal	PASS
4	13038.00	43.81	46.60	2.79	74.00	27.40	150	32	PK	Horizontal	PASS
5	15505.50	42.40	49.95	7.55	74.00	24.05	100	53	PK	Horizontal	PASS
6	17458.50	40.49	53.38	12.89	74.00	20.62	150	220	PK	Horizontal	PASS
7	7387.50	37.96	35.14	-2.82	54.00	18.86	100	171	AV	Horizontal	PASS
8	8952.00	36.99	36.01	-0.98	54.00	17.99	100	263	AV	Horizontal	PASS
9	10546.50	35.18	35.99	0.81	54.00	18.01	100	301	AV	Horizontal	PASS
10	12991.50	34.87	37.52	2.65	54.00	16.48	100	137	AV	Horizontal	PASS
11	15837.00	33.66	42.24	8.58	54.00	11.76	100	39	AV	Horizontal	PASS
12	17563.50	31.64	45.28	13.64	54.00	8.72	100	223	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	Zigbee	Test Date:	2025-04-07
Test Channel:	26	Test Engineer:	Stone Zhang



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7291.50	46.35	42.82	-3.53	74.00	31.18	100	98	PK	Vertical	PASS
2	8770.50	46.09	45.02	-1.07	74.00	28.98	150	227	PK	Vertical	PASS
3	10936.50	44.35	45.56	1.21	74.00	28.44	100	317	PK	Vertical	PASS
4	13188.00	43.69	46.60	2.91	74.00	27.40	150	24	PK	Vertical	PASS
5	15832.50	43.09	51.12	8.03	74.00	22.88	150	208	PK	Vertical	PASS
6	17436.00	42.21	55.48	13.27	74.00	18.52	150	57	PK	Vertical	PASS
7	7390.50	38.59	35.79	-2.80	54.00	18.21	150	87	AV	Vertical	PASS
8	9001.50	39.62	38.84	-0.78	54.00	15.16	150	78	AV	Vertical	PASS
9	10897.50	35.40	36.49	1.09	54.00	17.51	100	327	AV	Vertical	PASS
10	13069.50	35.13	37.54	2.41	54.00	16.46	150	44	AV	Vertical	PASS
11	15882.00	33.68	42.64	8.96	54.00	11.36	100	54	AV	Vertical	PASS
12	17595.00	31.51	45.96	14.45	54.00	8.04	150	199	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52480 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.7.3. Test Setting

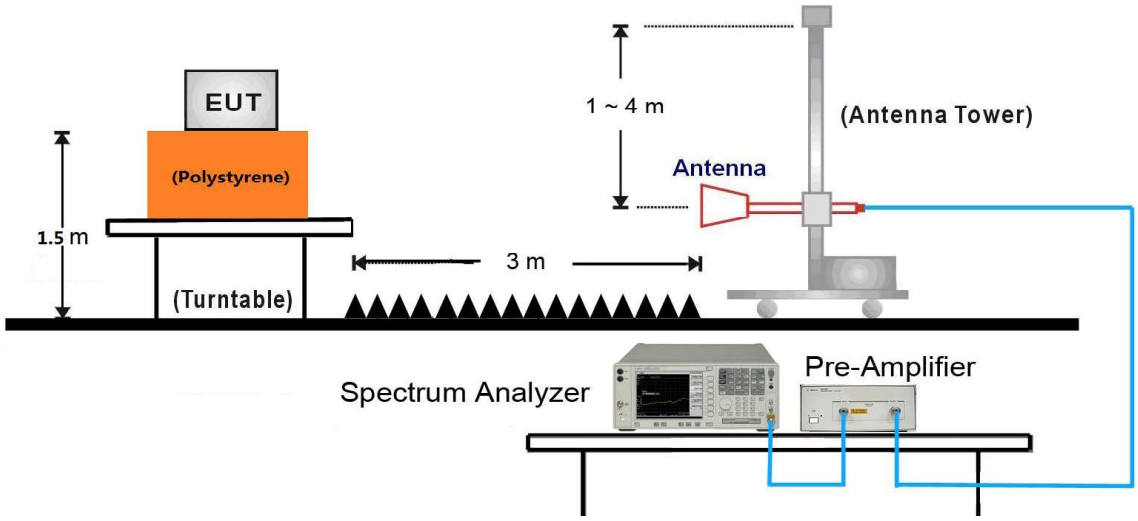
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

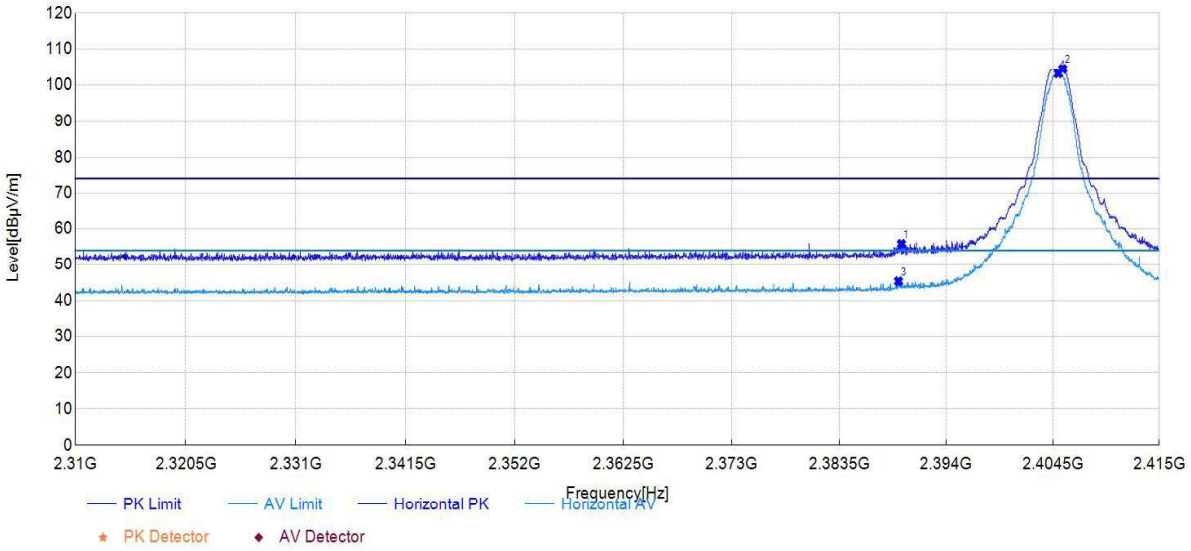
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be ≥ 2 x span / RBW)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.7.4. Test Setup



7.7.5. Test Result

Project Information			
EUT:	Smart Blind Gen2	Model:	3RSB02015Z
Test Date:	2025-04-07	Voltage:	DC 6V
Environment:	Temp: 24.2℃; Humi:41%	Engineer:	Stone Zhang
Remark:	Transmit by Zigbee at Channel 2405MHz		

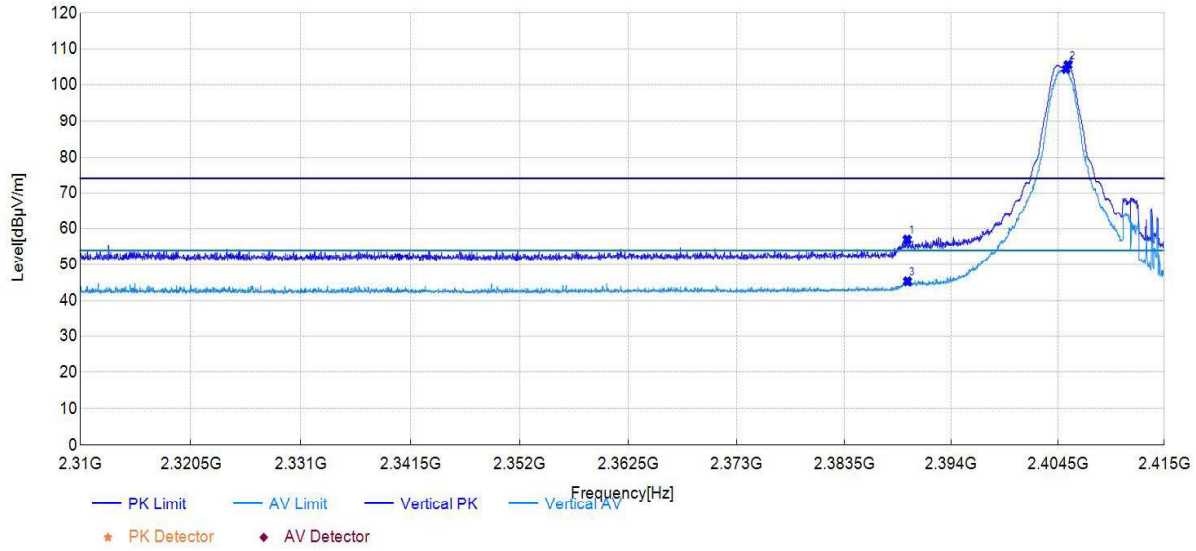


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2389.61	19.73	55.83	36.10	74.00	18.17	100	155	PK	Horizontal	PASS
2	2405.47	68.23	104.39	36.16	/	/	150	307	PK	Horizontal	PASS
3	2389.32	9.29	45.38	36.09	54.00	8.62	100	150	AV	Horizontal	PASS
4	2405.02	66.95	103.11	36.16	/	/	150	307	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level



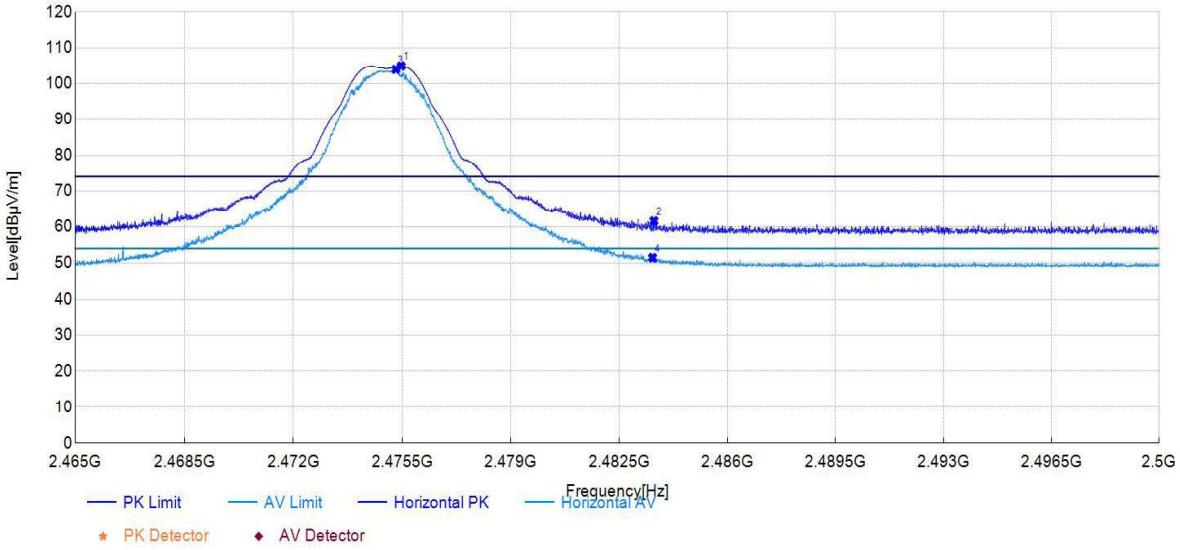
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2389.69	21.05	57.00	35.95	74.00	17.00	100	45	PK	Vertical	PASS
2	2405.50	69.53	105.53	36.00	/	/	150	204	PK	Vertical	PASS
3	2389.71	9.36	45.31	35.95	54.00	8.69	100	45	AV	Vertical	PASS
4	2405.29	68.21	104.21	36.00	/	/	150	204	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Project Information			
EUT:	Smart Blind Gen2	Model:	3RSB02015Z
Test Date:	2025-04-07	Voltage:	DC 6V
Environment:	Temp: 24.2℃; Humi:41%	Engineer:	Stone Zhang
Remark:	Transmit by Zigbee at Channel 2475MHz		

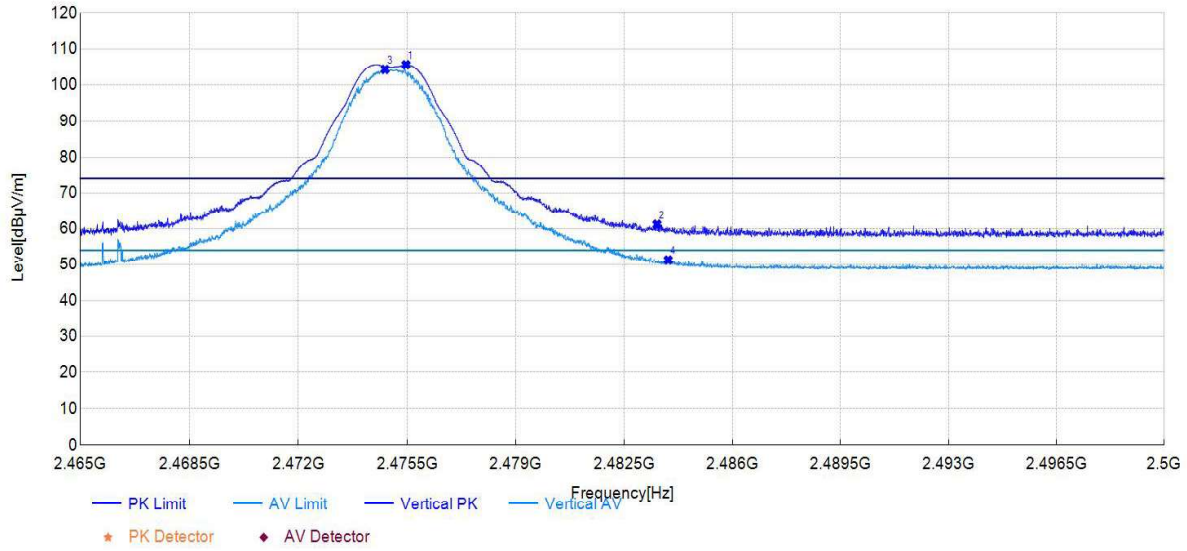


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2475.48	68.52	104.86	36.34	/	/	150	100	PK	Horizontal	PASS
2	2483.62	25.22	61.58	36.36	74.00	12.42	150	105	PK	Horizontal	PASS
3	2475.30	67.59	103.93	36.34	/	/	150	105	AV	Horizontal	PASS
4	2483.58	15.13	51.49	36.36	54.00	2.51	150	100	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level



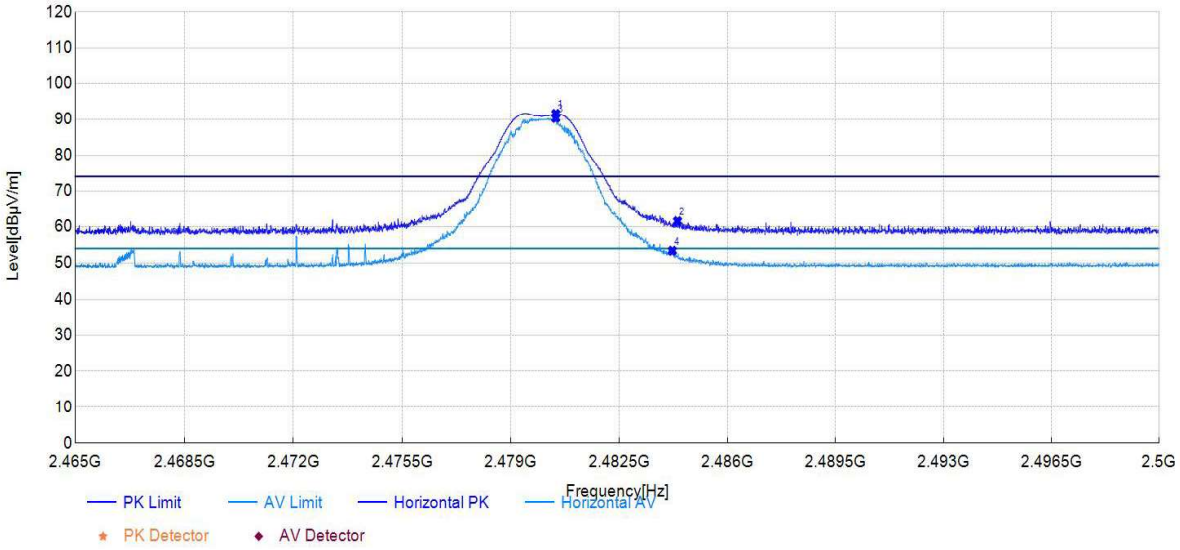
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2475.47	69.44	105.52	36.08	/	/	150	185	PK	Vertical	PASS
2	2483.56	25.09	61.17	36.08	74.00	12.83	150	185	PK	Vertical	PASS
3	2474.79	68.14	104.21	36.07	/	/	150	185	AV	Vertical	PASS
4	2483.92	15.23	51.31	36.08	54.00	2.69	150	185	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Project Information			
EUT:	Smart Blind Gen2	Model:	3RSB02015Z
Test Date:	2025-04-07	Voltage:	DC 6V
Environment:	Temp: 24.2℃; Humi:41%	Engineer:	Stone Zhang
Remark:	Transmit by Zigbee at Channel 2480MHz		

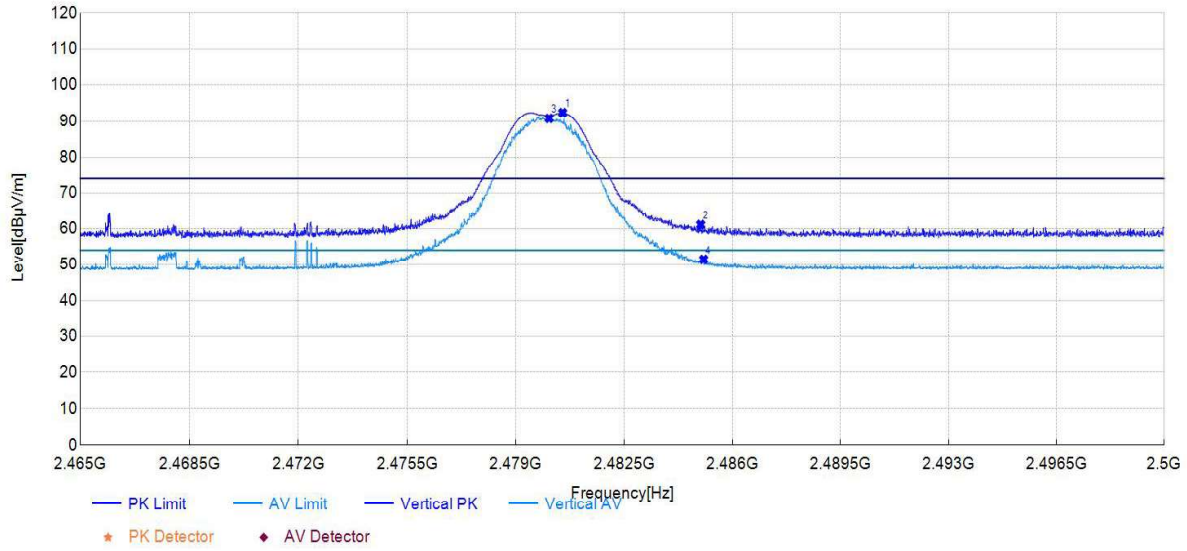


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2480.46	55.25	91.60	36.35	/	/	150	105	PK	Horizontal	PASS
2	2484.39	25.16	61.52	36.36	74.00	12.48	150	51	PK	Horizontal	PASS
3	2480.46	53.95	90.30	36.35	/	/	150	97	AV	Horizontal	PASS
4	2484.22	17.05	53.41	36.36	54.00	0.59	150	109	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2480.52	56.29	92.37	36.08	/	/	150	185	PK	Vertical	PASS
2	2484.97	25.03	61.11	36.08	74.00	12.89	150	193	PK	Vertical	PASS
3	2480.08	54.72	90.80	36.08	/	/	150	185	AV	Vertical	PASS
4	2485.07	15.40	51.49	36.09	54.00	2.51	150	185	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

7.8. AC Conducted Emissions Measurement

7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup