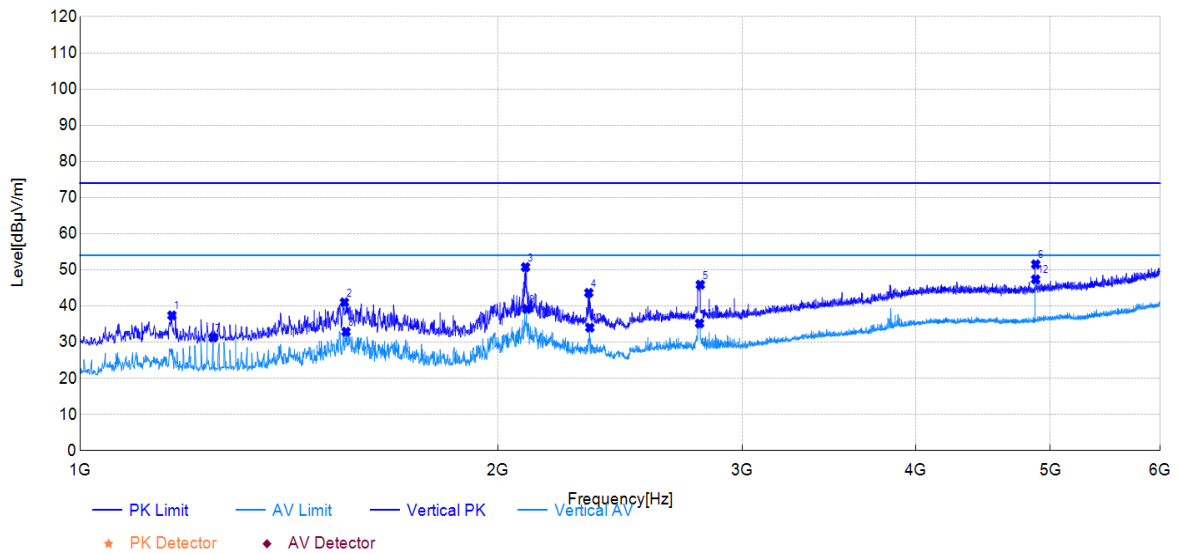


EUT:	Multi-State Sensor P100	Polarity:	Vertical
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 19	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph



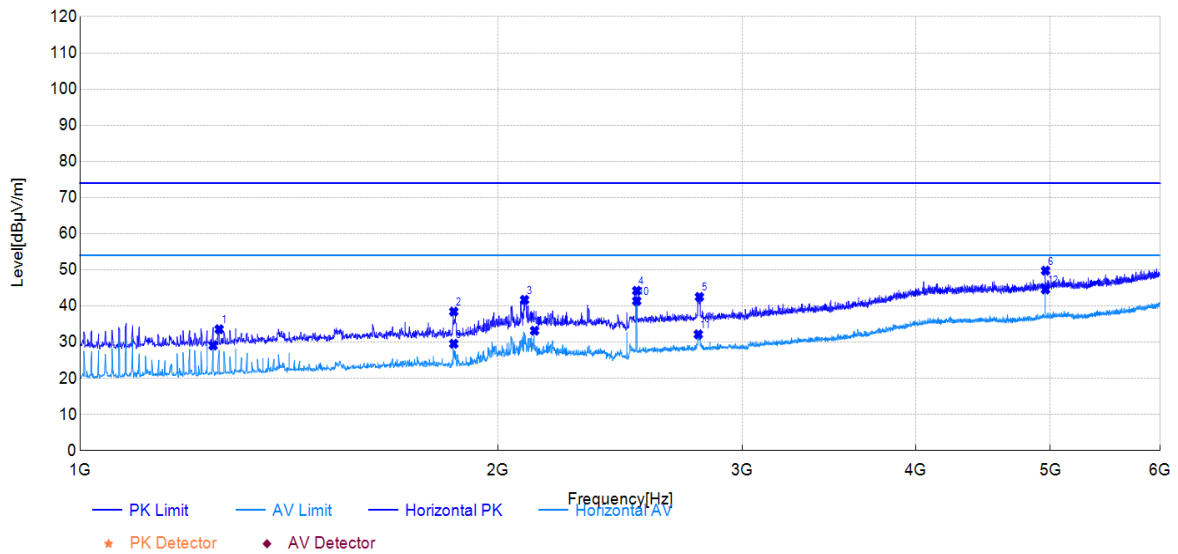
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1165.00	60.16	37.40	-22.76	74.00	36.60	150	100	PK	Vertical	PASS
2	1550.83	61.61	41.01	-20.60	74.00	32.99	150	97	PK	Vertical	PASS
3	2094.17	68.40	50.76	-17.64	74.00	23.24	150	104	PK	Vertical	PASS
4	2325.83	60.42	43.63	-16.79	74.00	30.37	150	17	PK	Vertical	PASS
5	2798.33	60.96	45.89	-15.07	74.00	28.11	150	104	PK	Vertical	PASS
6	4880.83	58.71	51.52	-7.19	74.00	22.48	150	120	PK	Vertical	PASS
7	1247.50	53.60	31.27	-22.33	54.00	22.73	150	135	AV	Vertical	PASS
8	1555.00	53.46	32.88	-20.58	54.00	21.12	150	100	AV	Vertical	PASS
9	2099.17	56.80	39.19	-17.61	54.00	14.81	150	85	AV	Vertical	PASS
10	2330.00	50.80	34.02	-16.78	54.00	19.98	150	360	AV	Vertical	PASS
11	2795.00	50.28	35.20	-15.08	54.00	18.80	150	104	AV	Vertical	PASS
12	4880.00	54.56	47.37	-7.19	54.00	6.63	150	120	AV	Vertical	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

1GHz – 6GHz Test Data

EUT:	Multi-State Sensor P100	Polarity:	Horizontal
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 39	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph

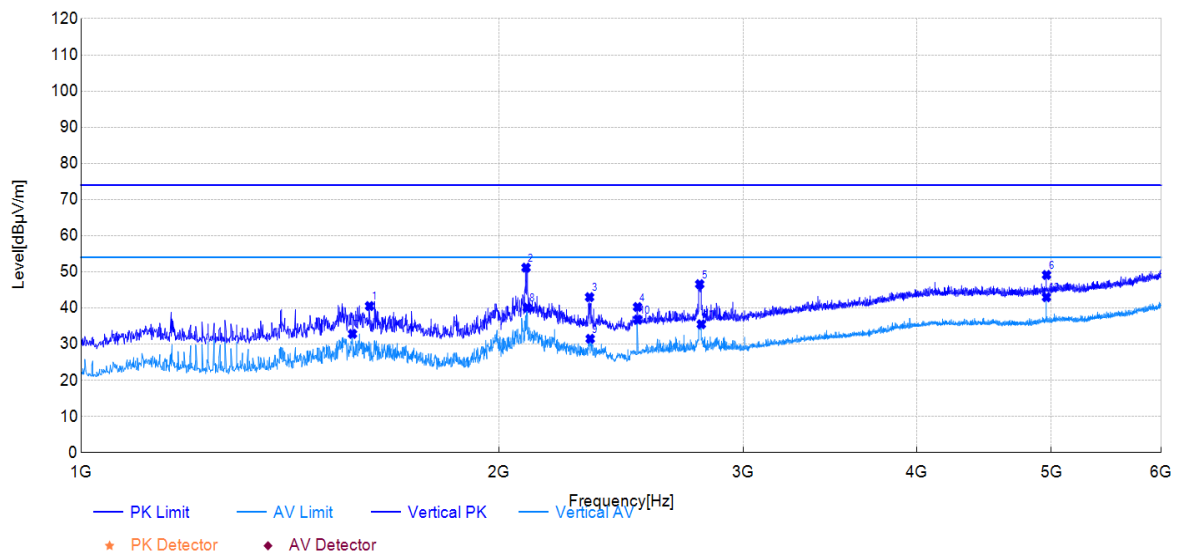


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1260.00	56.68	33.57	-23.11	74.00	40.43	150	37	PK	Horizontal	PASS
2	1859.17	57.48	38.44	-19.04	74.00	35.56	150	128	PK	Horizontal	PASS
3	2090.83	59.28	41.70	-17.58	74.00	32.30	150	303	PK	Horizontal	PASS
4	2518.33	60.24	44.21	-16.03	74.00	29.79	150	360	PK	Horizontal	PASS
5	2794.17	57.74	42.51	-15.23	74.00	31.49	150	131	PK	Horizontal	PASS
6	4960.83	56.10	49.78	-6.32	74.00	24.22	150	93	PK	Horizontal	PASS
7	1247.50	52.25	29.07	-23.18	54.00	24.93	150	37	AV	Horizontal	PASS
8	1859.17	48.59	29.55	-19.04	54.00	24.45	150	128	AV	Horizontal	PASS
9	2125.83	50.63	33.17	-17.46	54.00	20.83	150	131	AV	Horizontal	PASS
10	2518.33	57.41	41.38	-16.03	54.00	12.62	150	2	AV	Horizontal	PASS
11	2789.17	47.40	32.16	-15.24	54.00	21.84	150	63	AV	Horizontal	PASS
12	4960.00	50.89	44.57	-6.32	54.00	9.43	150	93	AV	Horizontal	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

EUT:	Multi-State Sensor P100	Polarity:	Vertical
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 39	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph



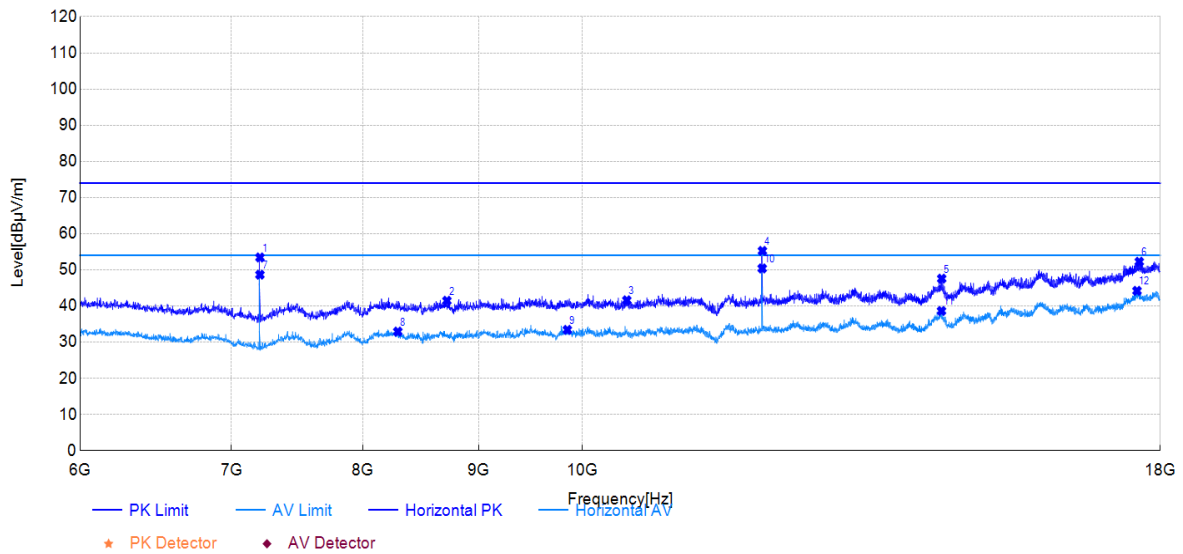
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1614.17	60.81	40.54	-20.27	74.00	33.46	150	122	PK	Vertical	PASS
2	2092.50	68.80	51.16	-17.64	74.00	22.84	150	92	PK	Vertical	PASS
3	2325.00	59.81	43.00	-16.81	74.00	31.00	150	352	PK	Vertical	PASS
4	2517.50	56.20	40.27	-15.93	74.00	33.73	150	24	PK	Vertical	PASS
5	2790.83	61.67	46.59	-15.08	74.00	27.41	150	104	PK	Vertical	PASS
6	4960.83	56.03	49.14	-6.89	74.00	24.86	150	308	PK	Vertical	PASS
7	1569.17	53.35	32.84	-20.51	54.00	21.16	150	111	AV	Vertical	PASS
8	2096.67	57.75	40.12	-17.63	54.00	13.88	150	96	AV	Vertical	PASS
9	2327.50	48.28	31.49	-16.79	54.00	22.51	150	3	AV	Vertical	PASS
10	2518.33	52.73	36.80	-15.93	54.00	17.20	150	24	AV	Vertical	PASS
11	2798.33	50.58	35.51	-15.07	54.00	18.49	150	108	AV	Vertical	PASS
12	4960.00	49.87	42.98	-6.89	54.00	11.02	150	118	AV	Vertical	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

6GHz – 18GHz Test Data

EUT:	Multi-State Sensor P100	Polarity:	Horizontal
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 00	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph



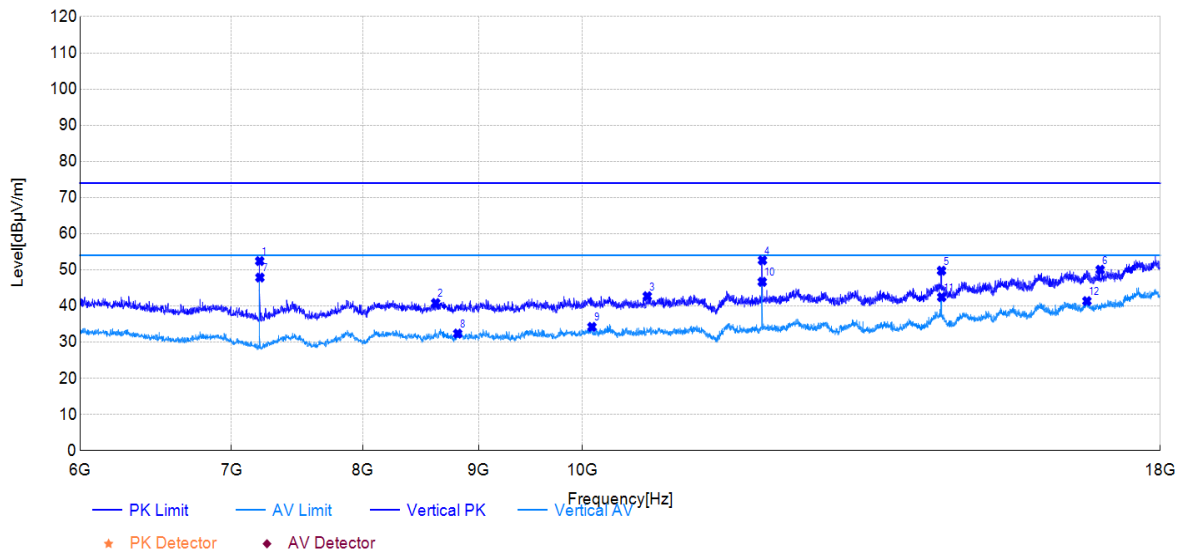
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	7206.00	57.64	53.42	-4.22	74.00	20.58	150	144	PK	Horizontal	PASS
2	8715.00	42.53	41.45	-1.08	74.00	32.55	150	184	PK	Horizontal	PASS
3	10464.00	41.22	41.58	0.36	74.00	32.42	150	84	PK	Horizontal	PASS
4	12012.00	53.71	55.24	1.53	74.00	18.76	150	313	PK	Horizontal	PASS
5	14413.50	42.61	47.57	4.96	74.00	26.43	150	239	PK	Horizontal	PASS
6	17620.50	38.29	52.25	13.96	74.00	21.75	150	313	PK	Horizontal	PASS
7	7206.00	52.88	48.66	-4.22	54.00	5.34	150	144	AV	Horizontal	PASS
8	8290.50	34.26	32.92	-1.34	54.00	21.08	150	270	AV	Horizontal	PASS
9	9850.50	33.51	33.40	-0.11	54.00	20.60	150	95	AV	Horizontal	PASS
10	12009.00	48.86	50.39	1.53	54.00	3.61	150	310	AV	Horizontal	PASS
11	14410.50	33.64	38.63	4.99	54.00	15.37	150	321	AV	Horizontal	PASS
12	17580.00	30.30	44.20	13.90	54.00	9.80	150	298	AV	Horizontal	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

EUT:	Multi-State Sensor P100	Polarity:	Vertical
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 00	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph



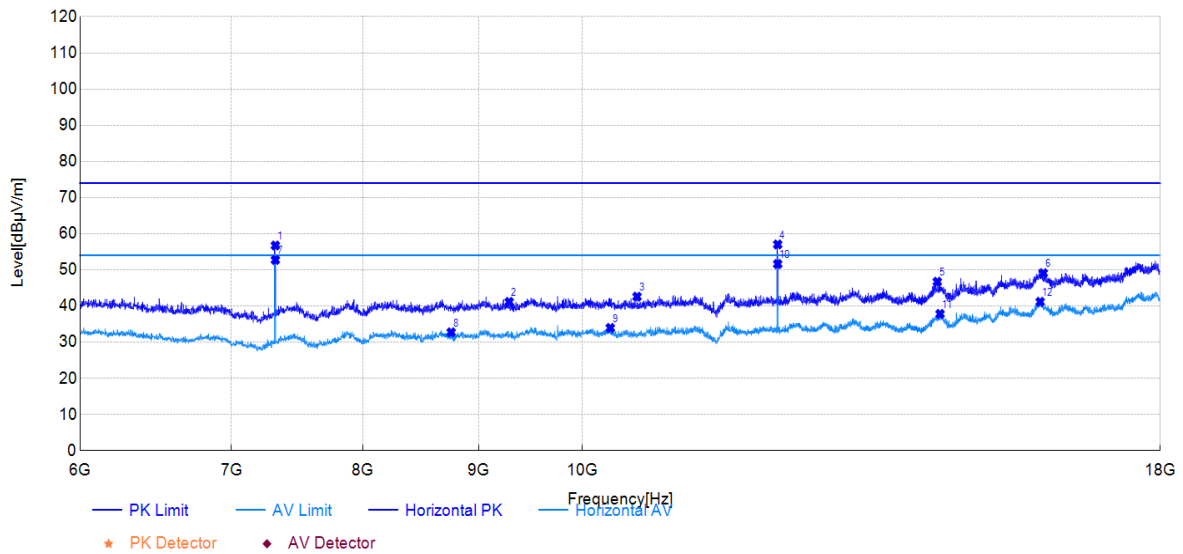
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	7204.50	56.46	52.42	-4.04	74.00	21.58	150	103	PK	Vertical	PASS
2	8616.00	42.14	40.82	-1.32	74.00	33.18	150	22	PK	Vertical	PASS
3	10684.50	42.20	42.71	0.51	74.00	31.29	150	1	PK	Vertical	PASS
4	12012.00	50.91	52.64	1.73	74.00	21.36	150	5	PK	Vertical	PASS
5	14410.50	44.38	49.76	5.38	74.00	24.24	150	103	PK	Vertical	PASS
6	16933.50	40.05	50.02	9.97	74.00	23.98	150	87	PK	Vertical	PASS
7	7206.00	51.90	47.87	-4.03	54.00	6.13	150	115	AV	Vertical	PASS
8	8811.00	33.61	32.37	-1.24	54.00	21.63	150	261	AV	Vertical	PASS
9	10099.50	34.11	34.22	0.11	54.00	19.78	150	242	AV	Vertical	PASS
10	12009.00	44.94	46.67	1.73	54.00	7.33	150	68	AV	Vertical	PASS
11	14413.50	37.12	42.46	5.34	54.00	11.54	150	345	AV	Vertical	PASS
12	16707.00	30.84	41.36	10.52	54.00	12.64	150	38	AV	Vertical	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

6GHz – 18GHz Test Data

EUT:	Multi-State Sensor P100	Polarity:	Horizontal
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 19	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph

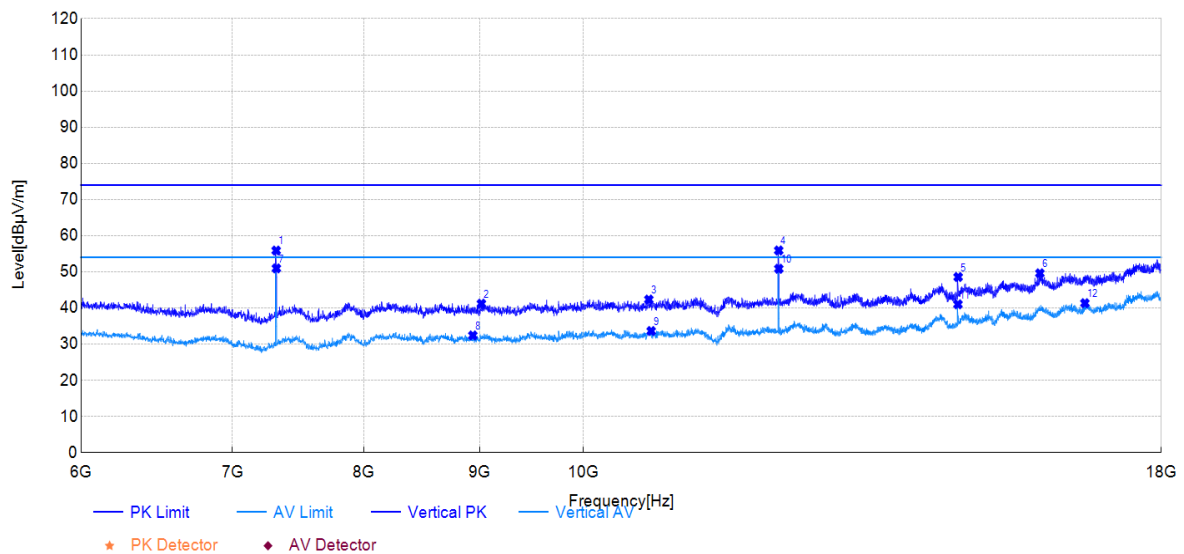


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	7320.00	60.04	56.73	-3.31	74.00	17.27	150	27	PK	Horizontal	PASS
2	9285.00	41.96	41.13	-0.83	74.00	32.87	150	310	PK	Horizontal	PASS
3	10573.50	42.01	42.58	0.57	74.00	31.42	150	174	PK	Horizontal	PASS
4	12199.50	55.30	57.02	1.72	74.00	16.98	150	313	PK	Horizontal	PASS
5	14349.00	41.86	46.71	4.85	74.00	27.29	150	329	PK	Horizontal	PASS
6	15982.50	39.48	49.08	9.60	74.00	24.92	150	283	PK	Horizontal	PASS
7	7320.00	56.05	52.74	-3.31	54.00	1.26	150	27	AV	Horizontal	PASS
8	8752.50	33.75	32.72	-1.03	54.00	21.28	150	360	AV	Horizontal	PASS
9	10290.00	33.99	33.94	-0.05	54.00	20.06	150	310	AV	Horizontal	PASS
10	12199.50	49.89	51.61	1.72	54.00	2.39	150	317	AV	Horizontal	PASS
11	14389.50	32.79	37.81	5.02	54.00	16.19	150	360	AV	Horizontal	PASS
12	15931.50	31.54	41.16	9.62	54.00	12.84	150	123	AV	Horizontal	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

EUT:	Multi-State Sensor P100	Polarity:	Vertical
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 19	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph



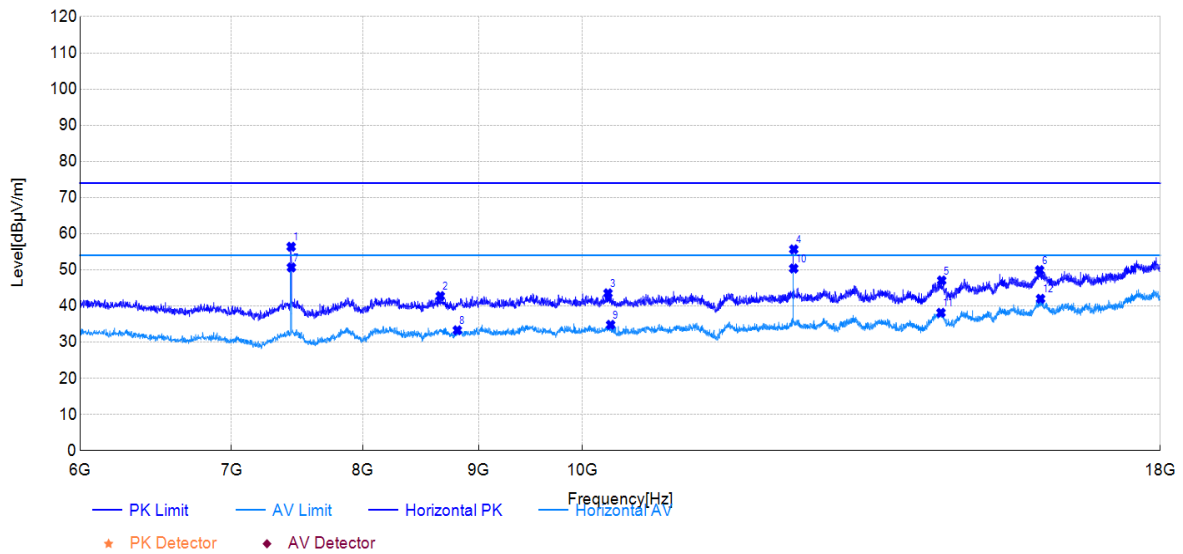
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	7318.50	59.13	55.89	-3.24	74.00	18.11	150	106	PK	Vertical	PASS
2	9016.50	42.27	41.19	-1.08	74.00	32.81	150	127	PK	Vertical	PASS
3	10690.50	41.84	42.34	0.50	74.00	31.66	150	118	PK	Vertical	PASS
4	12199.50	53.87	55.91	2.04	74.00	18.09	150	6	PK	Vertical	PASS
5	14641.50	43.64	48.57	4.93	74.00	25.43	150	2	PK	Vertical	PASS
6	15910.50	40.50	49.60	9.10	74.00	24.40	150	193	PK	Vertical	PASS
7	7320.00	54.19	50.96	-3.23	54.00	3.04	150	91	AV	Vertical	PASS
8	8938.50	33.71	32.41	-1.30	54.00	21.59	150	259	AV	Vertical	PASS
9	10716.00	33.14	33.63	0.49	54.00	20.37	150	337	AV	Vertical	PASS
10	12201.00	48.81	50.85	2.04	54.00	3.15	150	1	AV	Vertical	PASS
11	14638.50	36.12	41.02	4.90	54.00	12.98	150	32	AV	Vertical	PASS
12	16656.00	31.36	41.34	9.98	54.00	12.66	150	60	AV	Vertical	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

6GHz – 18GHz Test Data

EUT:	Multi-State Sensor P100	Polarity:	Horizontal
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 39	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph



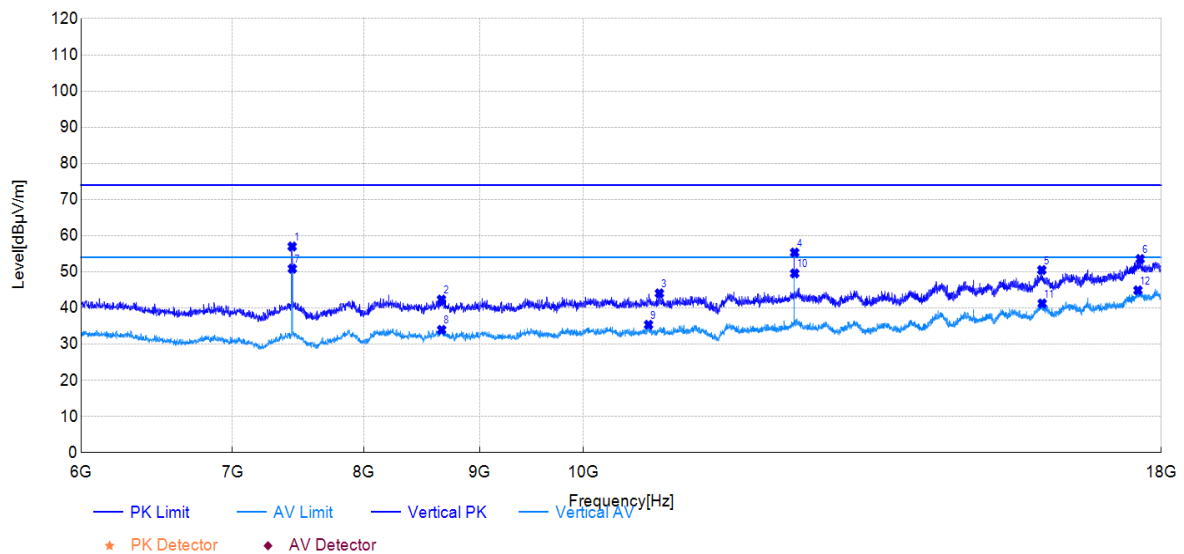
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	7438.50	59.09	56.39	-2.70	74.00	17.61	150	23	PK	Horizontal	PASS
2	8656.50	43.94	42.75	-1.19	74.00	31.25	150	360	PK	Horizontal	PASS
3	10266.00	43.57	43.52	-0.05	74.00	30.48	150	316	PK	Horizontal	PASS
4	12400.50	53.46	55.67	2.21	74.00	18.33	150	307	PK	Horizontal	PASS
5	14413.50	42.10	47.06	4.96	74.00	26.94	150	124	PK	Horizontal	PASS
6	15922.50	40.28	49.91	9.63	74.00	24.09	150	335	PK	Horizontal	PASS
7	7440.00	53.37	50.67	-2.70	54.00	3.33	150	218	AV	Horizontal	PASS
8	8808.00	34.26	33.29	-0.97	54.00	20.71	150	356	AV	Horizontal	PASS
9	10293.00	34.85	34.80	-0.05	54.00	19.20	150	206	AV	Horizontal	PASS
10	12399.00	48.17	50.37	2.20	54.00	3.63	150	319	AV	Horizontal	PASS
11	14403.00	33.08	38.13	5.05	54.00	15.87	150	226	AV	Horizontal	PASS
12	15937.50	32.38	42.00	9.62	54.00	12.00	150	360	AV	Horizontal	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

EUT:	Multi-State Sensor P100	Polarity:	Vertical
Model:	VB-S03E	Test Engineer:	Stone Zhang
Mode:	Transmit at BLE_1M Channel 39	Voltage:	DC 3V
Environment:	Temp: 21.8~29.6°C; Humi: 32~61%	Test Date:	2025-11-18 ~ 2025-11-25

Test Graph



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	7438.50	59.75	57.01	-2.74	74.00	16.99	150	294	PK	Vertical	PASS
2	8658.00	43.62	42.34	-1.28	74.00	31.66	150	64	PK	Vertical	PASS
3	10806.00	43.47	44.05	0.58	74.00	29.95	150	0	PK	Vertical	PASS
4	12399.00	52.70	55.34	2.64	74.00	18.66	150	1	PK	Vertical	PASS
5	15942.00	41.44	50.50	9.06	74.00	23.50	150	1	PK	Vertical	PASS
6	17619.00	38.98	53.54	14.56	74.00	20.46	150	137	PK	Vertical	PASS
7	7440.00	53.61	50.87	-2.74	54.00	3.13	150	279	AV	Vertical	PASS
8	8659.50	35.24	33.96	-1.28	54.00	20.04	150	130	AV	Vertical	PASS
9	10687.50	34.85	35.36	0.51	54.00	18.64	150	290	AV	Vertical	PASS
10	12399.00	46.92	49.56	2.64	54.00	4.44	150	3	AV	Vertical	PASS
11	15948.00	32.20	41.26	9.06	54.00	12.74	150	0	AV	Vertical	PASS
12	17578.50	30.41	44.89	14.48	54.00	9.11	150	306	AV	Vertical	PASS

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 26.5GHz), therefore no data appear in the report.

7.7. 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	156.52475 - 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

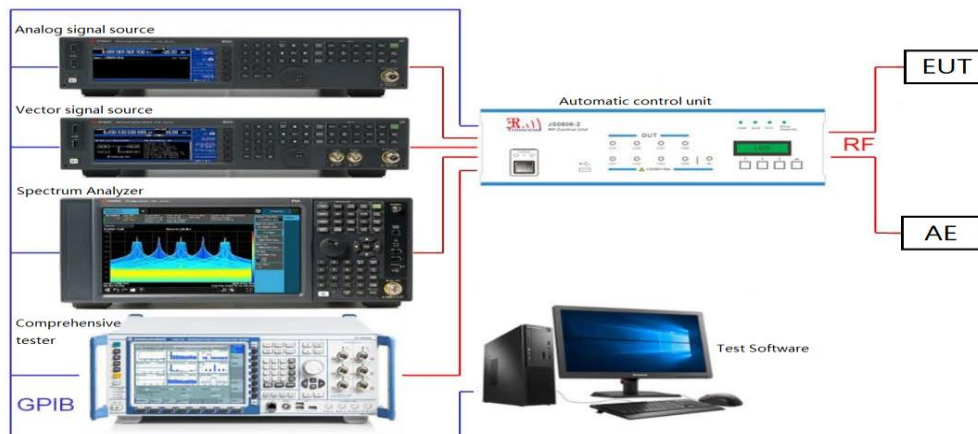
Peak Field Strength Measurements

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 $\geq 2 \times \text{span} / \text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.7.4. Test Setup

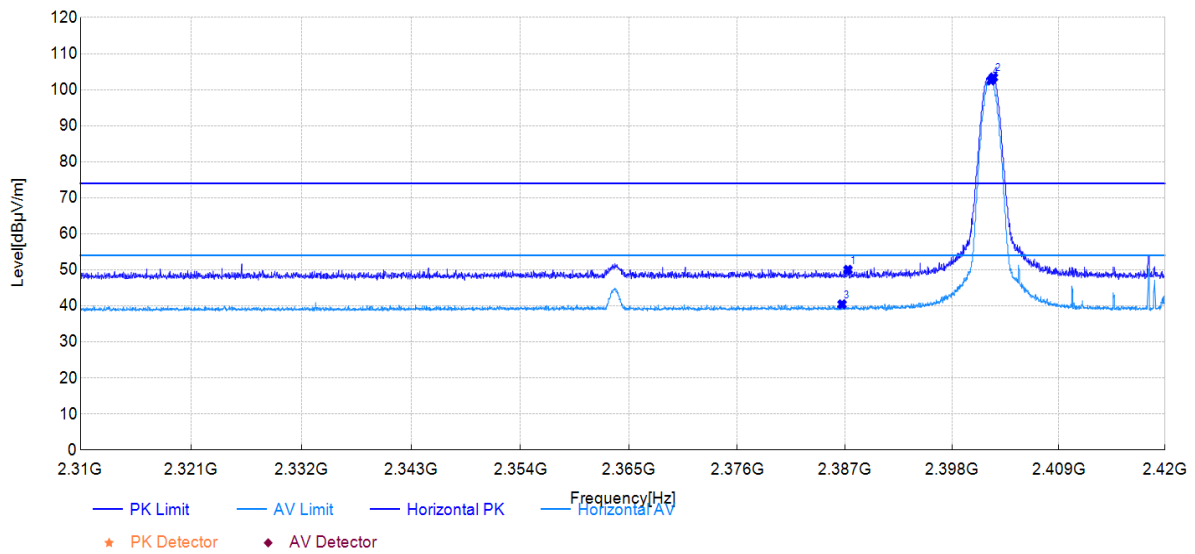


7.7.5. Test Result

BLE_1M

Test Mode:	BLE_1M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2402	Test Engineer:	Stone Zhang
Remark:	/		

Test Graph

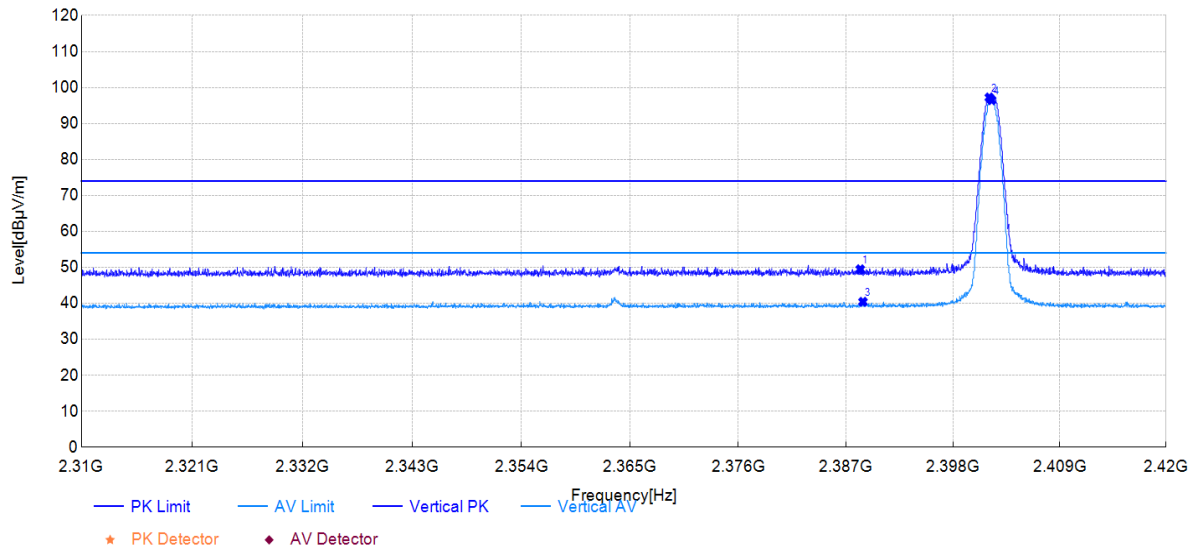


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2387.32	14.72	50.02	35.30	74.00	23.98	150	0	PK	Horizontal	PASS
2	2402.26	68.11	103.39	35.28	/	/	150	26	PK	Horizontal	PASS
3	2386.72	5.15	40.45	35.30	54.00	13.55	150	272	AV	Horizontal	PASS
4	2402.01	67.27	102.55	35.28	/	/	150	26	AV	Horizontal	PASS

Test Mode:	BLE_1M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2402	Test Engineer:	Stone Zhang
Remark:	/		

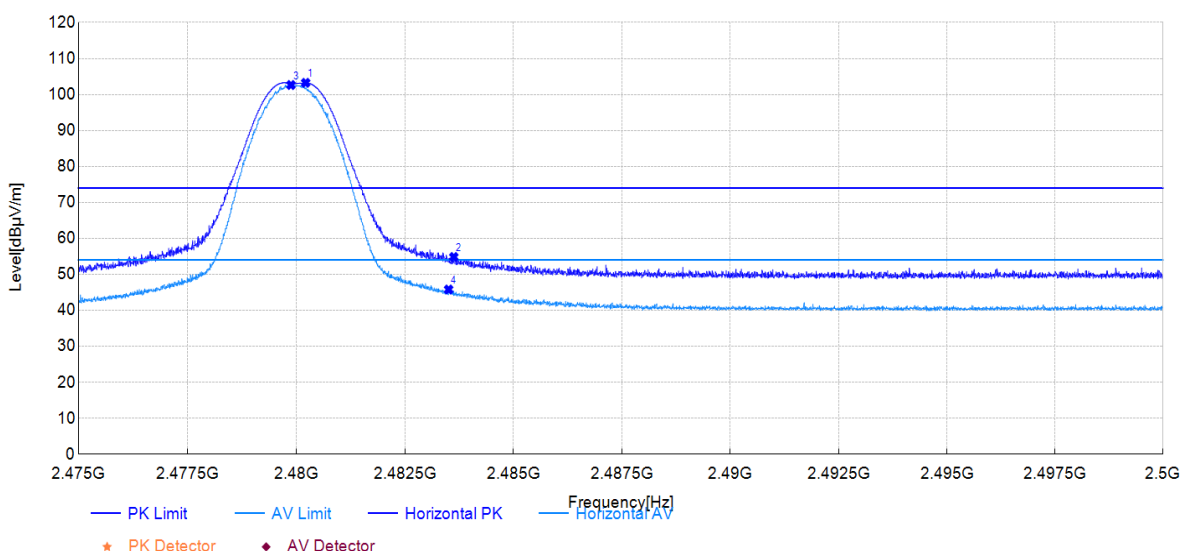
Test Graph



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2388.48	14.11	49.46	35.35	74.00	24.54	150	184	PK	Vertical	PASS
2	2401.74	61.88	97.21	35.33	/	/	150	21	PK	Vertical	PASS
3	2388.75	5.07	40.42	35.35	54.00	13.58	150	220	AV	Vertical	PASS
4	2401.98	61.12	96.46	35.34	/	/	150	21	AV	Vertical	PASS

Test Mode:	BLE_1M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2480	Test Engineer:	Stone Zhang
Remark:	/		

Test Graph

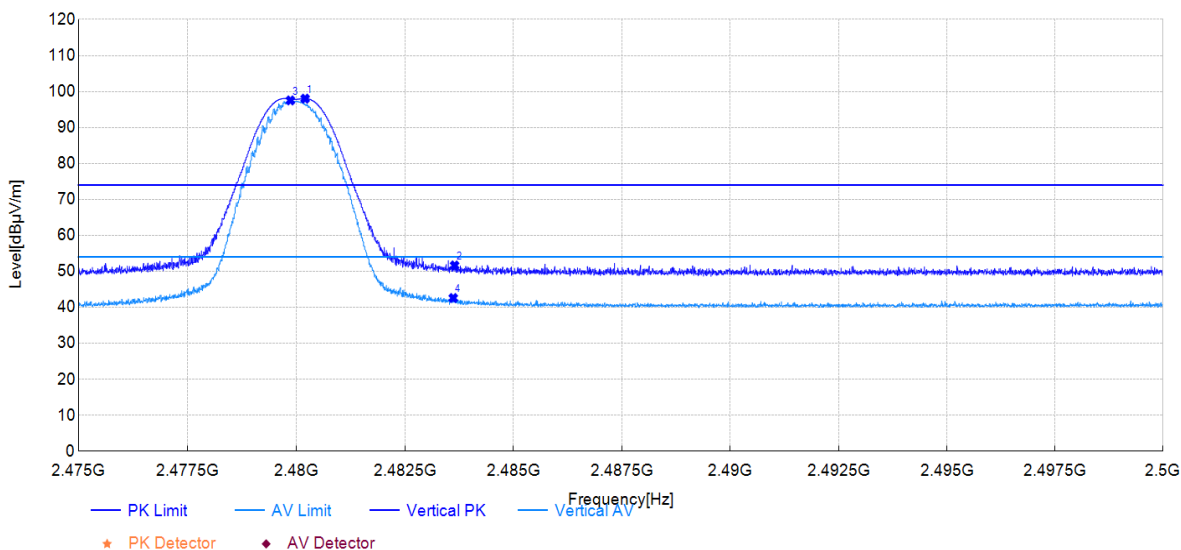


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2480.22	67.26	103.24	35.98	/	/	150	29	PK	Horizontal	PASS
2	2483.63	18.81	54.83	36.02	74.00	19.17	150	1	PK	Horizontal	PASS
3	2479.88	66.65	102.63	35.98	/	/	150	29	AV	Horizontal	PASS
4	2483.51	9.78	45.79	36.01	54.00	8.21	150	29	AV	Horizontal	PASS

Test Mode:	BLE_1M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2480	Test Engineer:	Stone Zhang
Remark:	/		

Test Graph



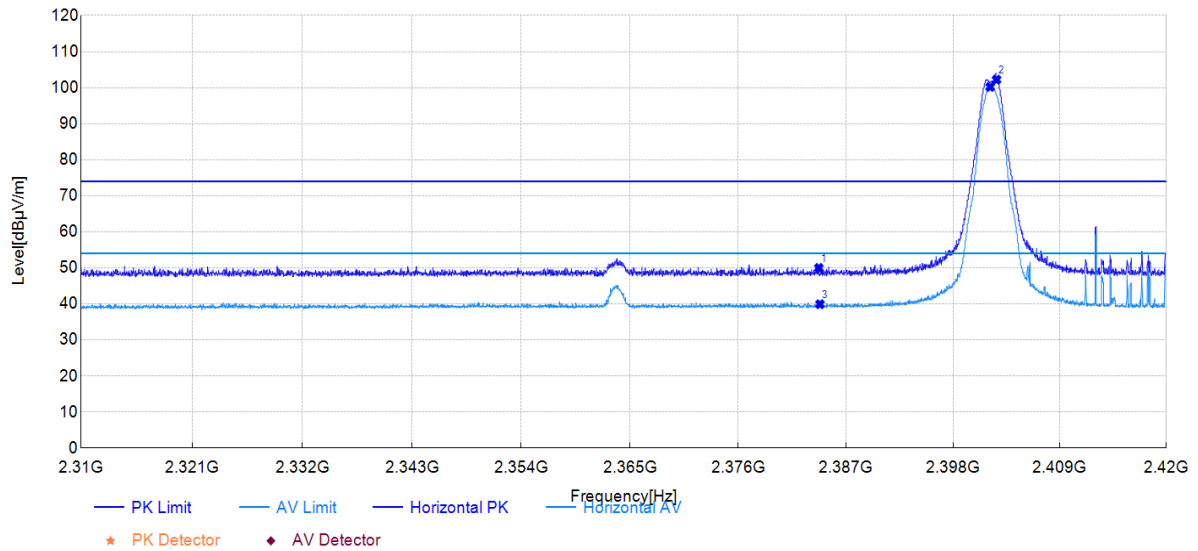
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2480.21	61.93	98.00	36.07	/	/	150	23	PK	Vertical	PASS
2	2483.65	15.53	51.64	36.11	74.00	22.36	150	186	PK	Vertical	PASS
3	2479.87	61.45	97.52	36.07	/	/	150	23	AV	Vertical	PASS
4	2483.61	6.48	42.59	36.11	54.00	11.41	150	23	AV	Vertical	PASS

BLE_2M

Test Mode:	BLE_2M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2402	Test Engineer:	Stone Zhang
Remark:	/		

Test Graph

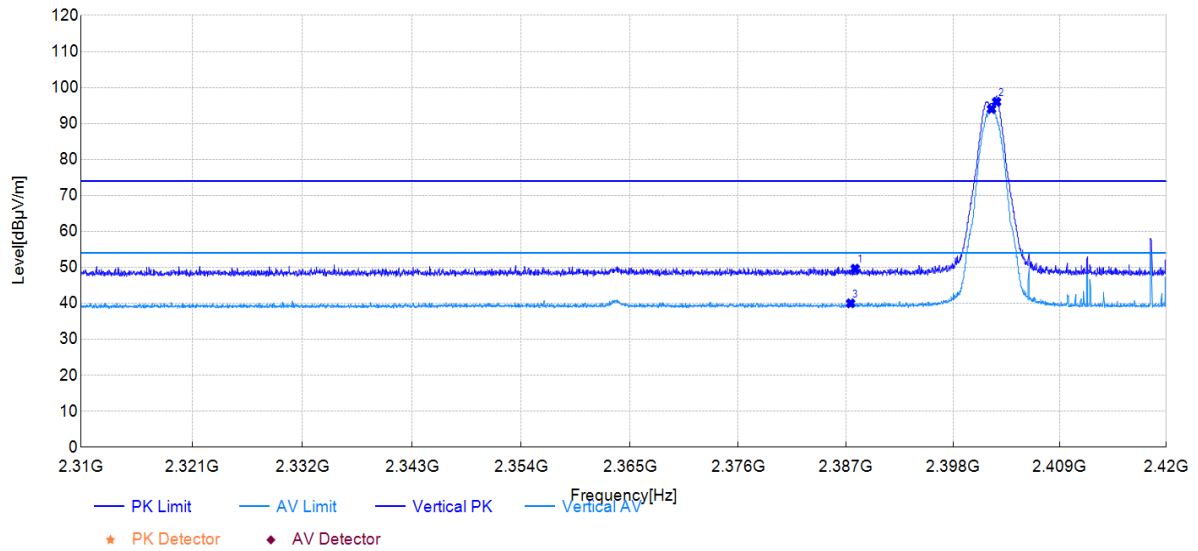


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2384.24	14.66	49.97	35.31	74.00	24.03	150	81	PK	Horizontal	PASS
2	2402.48	66.94	102.22	35.28	/	/	150	212	PK	Horizontal	PASS
3	2384.35	4.60	39.91	35.31	54.00	14.09	150	248	AV	Horizontal	PASS
4	2401.82	64.94	100.21	35.27	/	/	150	360	AV	Horizontal	PASS

Test Mode:	BLE_2M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2402	Test Engineer:	Stone Zhang
Remark:	/		

Test Graph

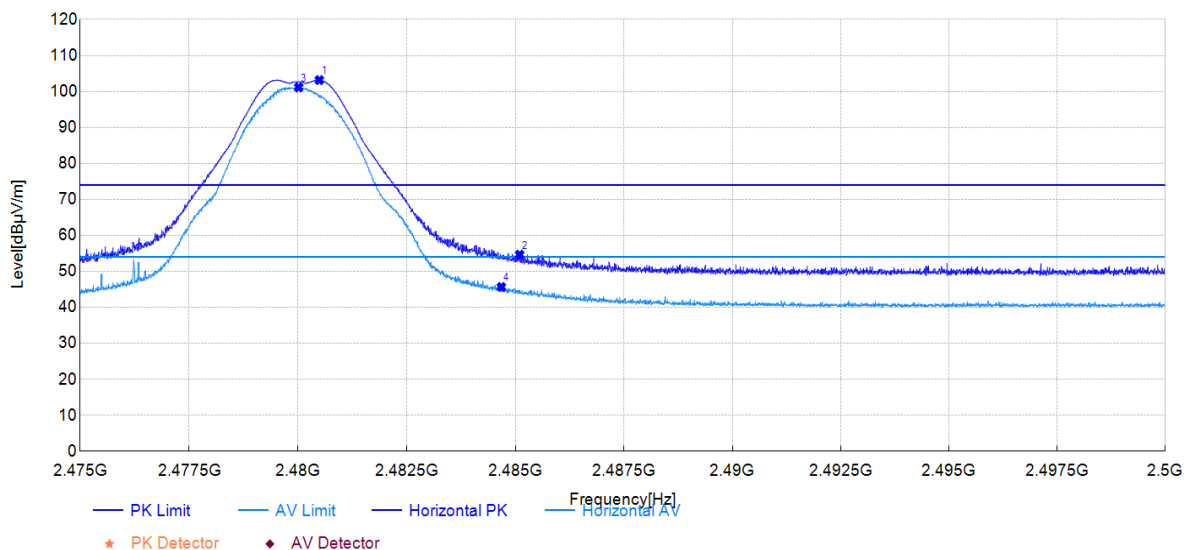


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2387.95	14.27	49.63	35.36	74.00	24.37	150	49	PK	Vertical	PASS
2	2402.48	60.66	96.00	35.34	/	/	150	292	PK	Vertical	PASS
3	2387.49	4.64	40.00	35.36	54.00	14.00	150	359	AV	Vertical	PASS
4	2401.96	58.68	94.01	35.33	/	/	150	292	AV	Vertical	PASS

Test Mode:	BLE_2M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2480	Test Engineer:	Stone Zhang
Remark:	/		

Test Graph

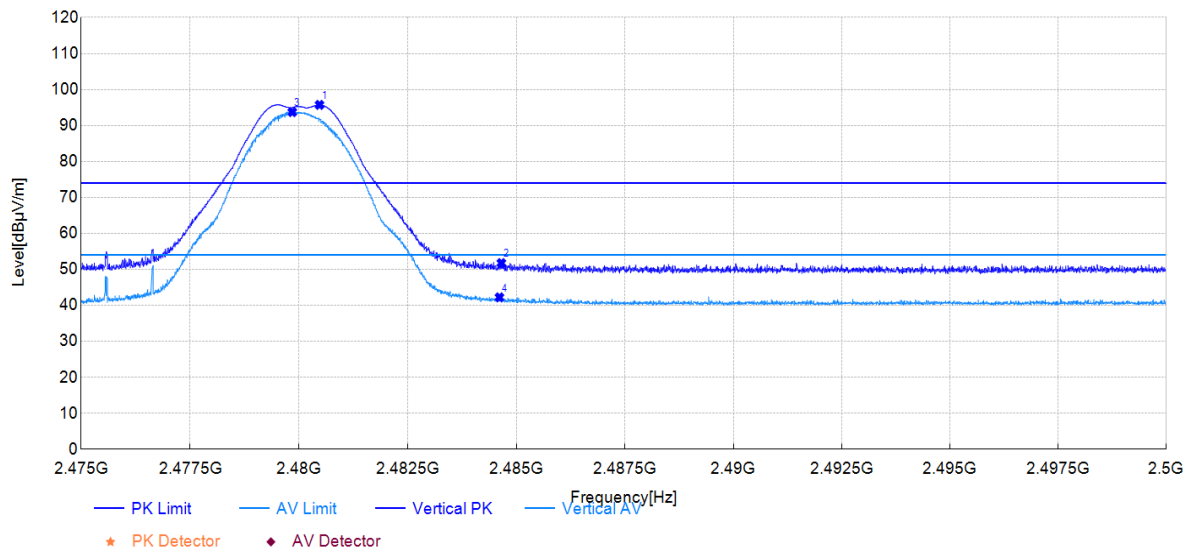


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2480.49	67.18	103.16	35.98	/	/	150	41	PK	Horizontal	PASS
2	2485.10	18.60	54.63	36.03	74.00	19.37	150	45	PK	Horizontal	PASS
3	2480.01	65.16	101.14	35.98	/	/	150	41	AV	Horizontal	PASS
4	2484.68	9.64	45.66	36.02	54.00	8.34	150	6	AV	Horizontal	PASS

Test Mode:	BLE_2M	Test Date:	2025-11-18 ~ 2025-11-25
Test Channel:	2480	Test Engineer:	Stone Zhang
Remark:	/		

Test Graph



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2480.47	59.65	95.72	36.07	/	/	150	279	PK	Vertical	PASS
2	2484.65	15.64	51.75	36.11	74.00	22.25	150	287	PK	Vertical	PASS
3	2479.84	57.64	93.71	36.07	/	/	150	279	AV	Vertical	PASS
4	2484.61	6.11	42.22	36.11	54.00	11.78	150	294	AV	Vertical	PASS

7.8. AC Conducted Emissions Measurement

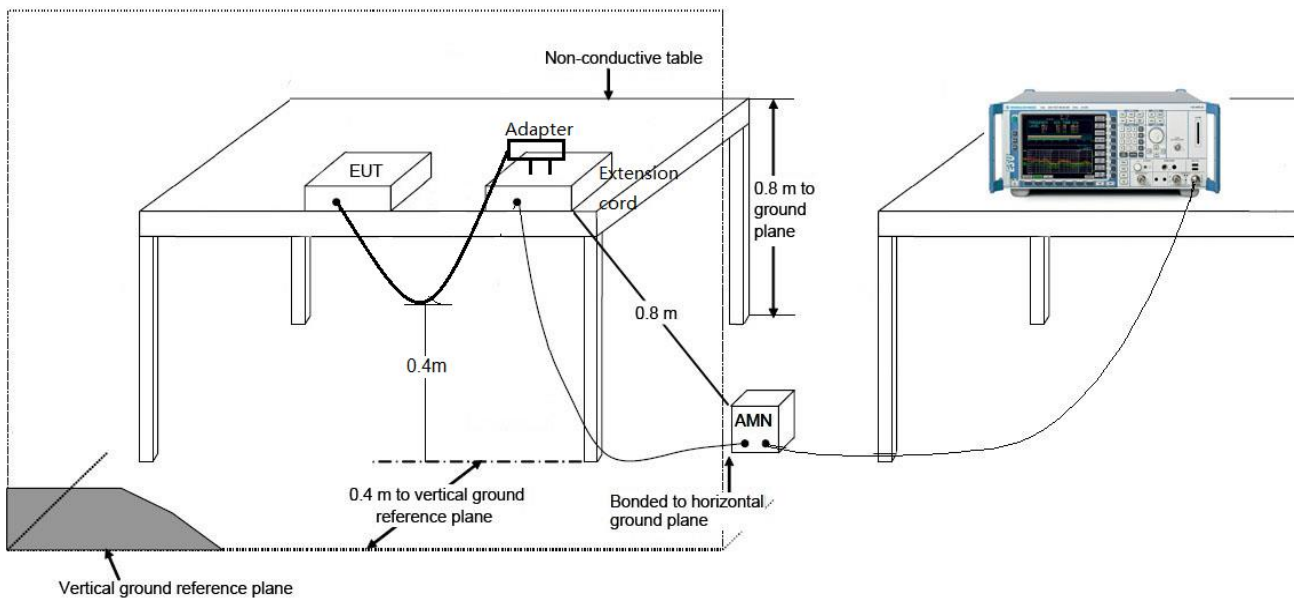
7.8.1. Test Limit

AC power-line conducted emissions 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



7.8.3. Test Result

The EUT is DC supply, this item only for the EUT is designed to be connected to the public utility (AC) power line. Not applicable.

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Multi-State Sensor P100 (Model: VB-S03E)** is in compliance with Part 15C of the FCC Rules.

Statement

1. This report is invalid for the following states: without the special inspection and testing stamp or the official stamp of our institution; without the signature of the report authorized officer; if the report is altered.
2. It is forbidden to copy partial contents of the report except in full without the approval of our institution.
3. The client shall provide the test sample(s) and commission information and be responsible for their authenticity.
4. The report content is only applicable to the tested sample(s) this time.
5. If there are any objections to the report content, please submit them to our company in writing within 15 days from the date of receiving the report.
6. If the reports include both Chinese and English versions, when there are any inconsistencies caused by language, the Chinese version shall prevail.
7. Information about laboratory sites involved in our company:

No.8 Ningyun Rd., Xinwu District Wuxi, Jiangsu 214000 China

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