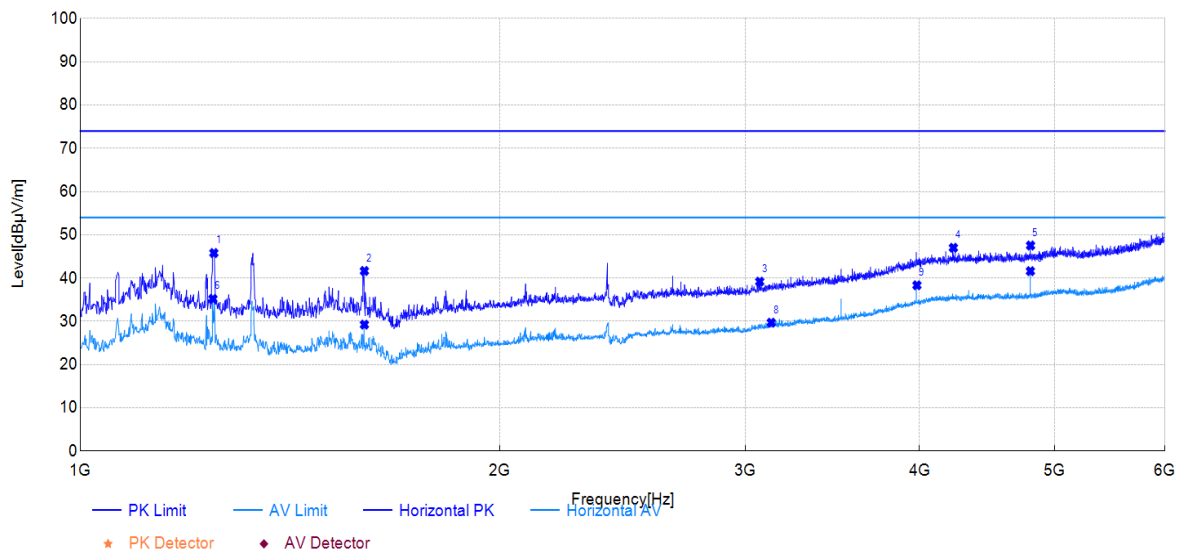


The worst case of Radiated Emission above 1GHz:

1GHz – 6GHz Test Data

EUT:	Marine Radio with Bluetooth	Polarity:	Horizontal
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 00	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



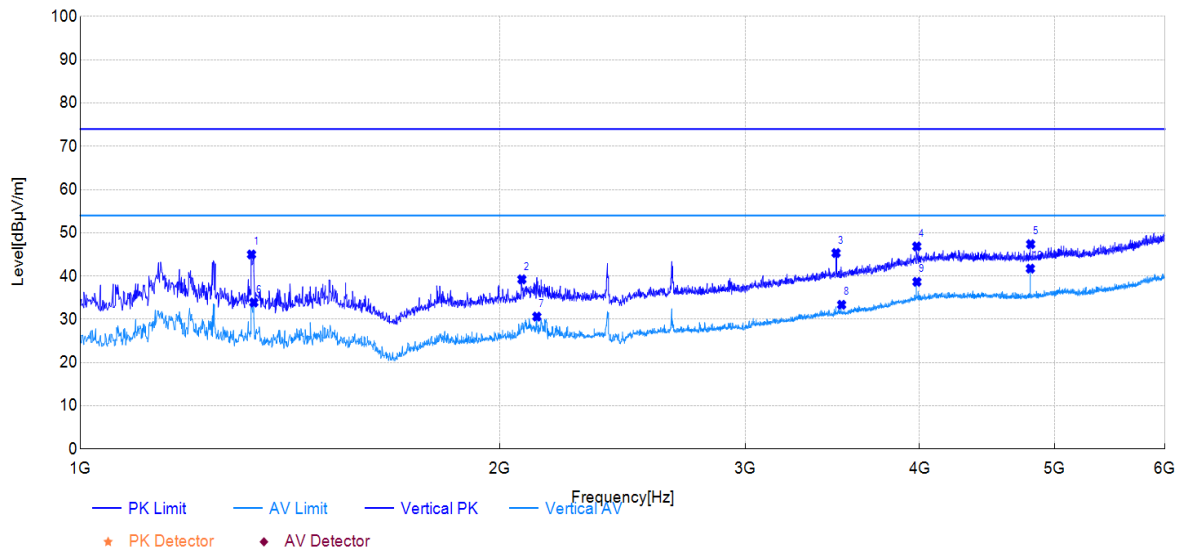
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	1247.00	68.97	45.79	-23.18	74.00	28.21	150	127	PK	Horizontal
2	1599.00	62.74	41.64	-21.10	74.00	32.36	150	99	PK	Horizontal
3	3072.00	53.39	39.17	-14.22	74.00	34.83	100	44	PK	Horizontal
4	4230.00	54.89	47.01	-7.88	74.00	26.99	100	214	PK	Horizontal
5	4805.00	54.31	47.53	-6.78	74.00	26.47	150	226	PK	Horizontal
6	1245.00	58.38	35.18	-23.20	54.00	18.82	100	136	AV	Horizontal
7	1599.00	50.33	29.23	-21.10	54.00	24.77	150	99	AV	Horizontal
8	3131.00	43.63	29.69	-13.94	54.00	24.31	100	360	AV	Horizontal
9	3983.00	47.02	38.33	-8.69	54.00	15.67	150	104	AV	Horizontal
10	4804.00	48.38	41.60	-6.78	54.00	12.40	150	223	AV	Horizontal

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:	Marine Radio with Bluetooth	Polarity:	Vertical
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 00	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



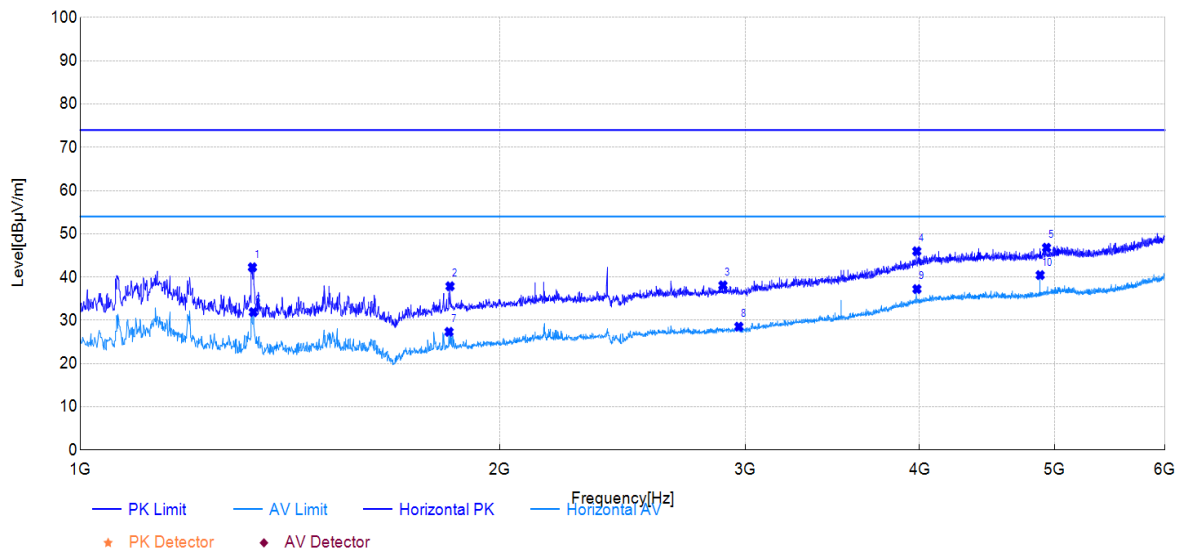
Suspected Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	1327.00	66.79	44.99	-21.80	74.00	29.01	150	111	PK	Vertical
2	2074.00	56.72	39.23	-17.49	74.00	34.77	150	107	PK	Vertical
3	3485.00	56.97	45.32	-11.65	74.00	28.68	150	136	PK	Vertical
4	3982.00	55.24	46.85	-8.39	74.00	27.15	150	330	PK	Vertical
5	4806.00	54.69	47.37	-7.32	74.00	26.63	100	188	PK	Vertical
6	1332.00	55.65	33.89	-21.76	54.00	20.11	100	106	AV	Vertical
7	2126.00	47.93	30.62	-17.31	54.00	23.38	150	115	AV	Vertical
8	3517.00	44.80	33.36	-11.44	54.00	20.64	100	173	AV	Vertical
9	3983.00	47.03	38.66	-8.37	54.00	15.34	150	192	AV	Vertical
10	4804.00	49.04	41.72	-7.32	54.00	12.28	150	233	AV	Vertical

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:	Marine Radio with Bluetooth	Polarity:	Horizontal
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 39	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



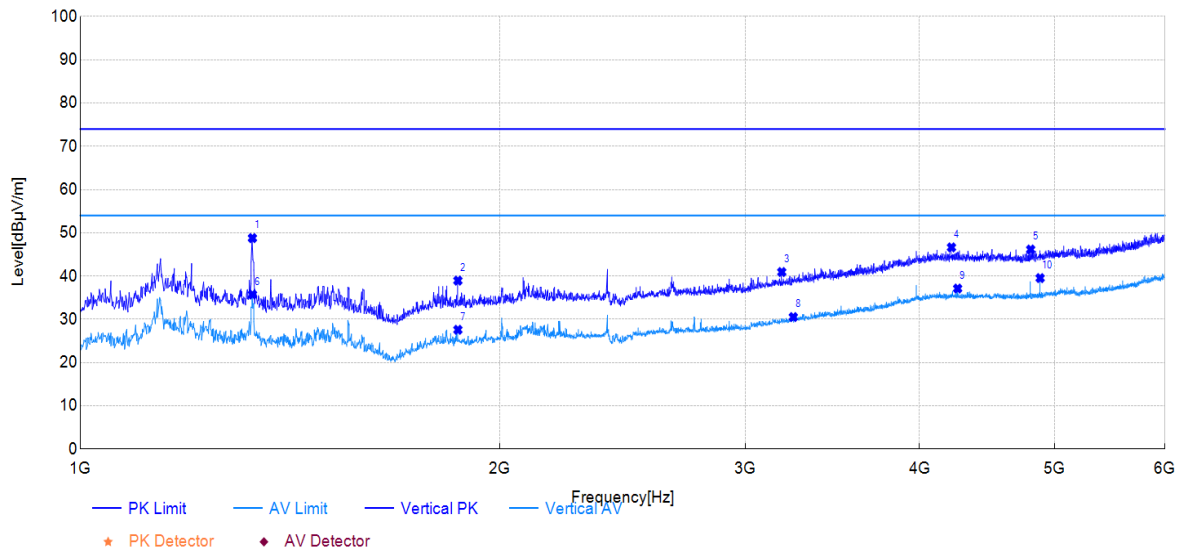
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	1329.00	64.95	42.26	-22.69	74.00	31.74	100	105	PK	Horizontal
2	1842.00	57.17	37.87	-19.30	74.00	36.13	150	111	PK	Horizontal
3	2891.00	52.87	38.08	-14.79	74.00	35.92	150	129	PK	Horizontal
4	3982.00	54.67	45.97	-8.70	74.00	28.03	150	104	PK	Horizontal
5	4934.00	53.13	46.79	-6.34	74.00	27.21	150	1	PK	Horizontal
6	1331.00	54.57	31.89	-22.68	54.00	22.11	150	108	AV	Horizontal
7	1839.00	46.63	27.32	-19.31	54.00	26.68	150	111	AV	Horizontal
8	2968.00	43.15	28.53	-14.62	54.00	25.47	150	183	AV	Horizontal
9	3983.00	45.91	37.22	-8.69	54.00	16.78	150	158	AV	Horizontal
10	4882.00	47.01	40.45	-6.56	54.00	13.55	150	216	AV	Horizontal

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:	Marine Radio with Bluetooth	Polarity:	Vertical
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 39	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



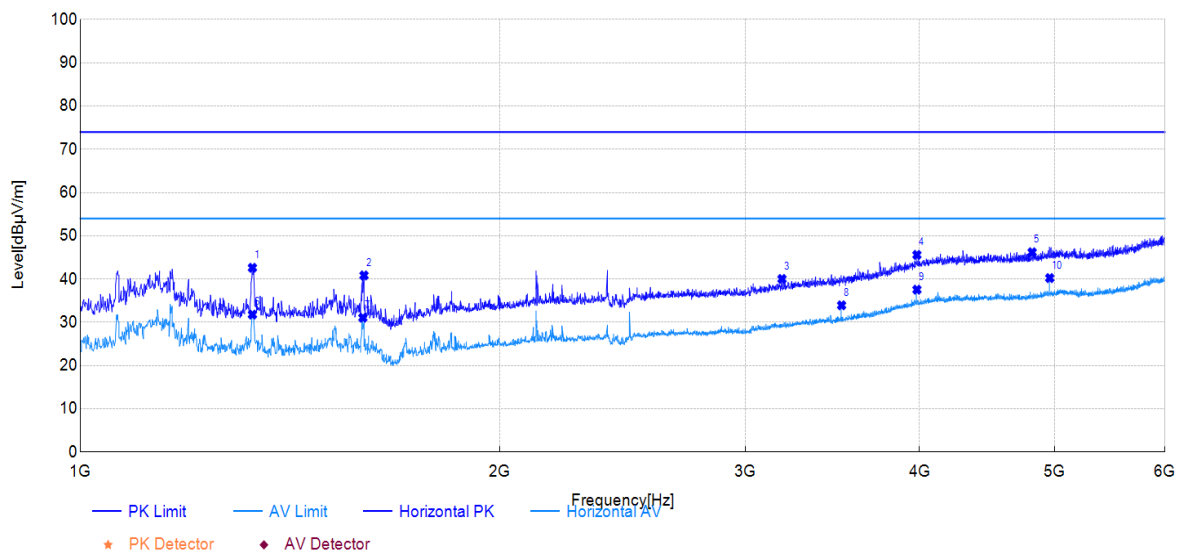
Suspected Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	1329.00	70.56	48.78	-21.78	74.00	25.22	100	111	PK	Vertical
2	1866.00	57.64	38.95	-18.69	74.00	35.05	100	208	PK	Vertical
3	3186.00	54.18	40.93	-13.25	74.00	33.07	100	143	PK	Vertical
4	4217.00	54.51	46.63	-7.88	74.00	27.37	100	38	PK	Vertical
5	4806.00	53.46	46.14	-7.32	74.00	27.86	150	358	PK	Vertical
6	1329.00	57.51	35.73	-21.78	54.00	18.27	100	125	AV	Vertical
7	1866.00	46.27	27.58	-18.69	54.00	26.42	100	208	AV	Vertical
8	3247.00	43.40	30.52	-12.88	54.00	23.48	100	49	AV	Vertical
9	4260.00	44.89	37.12	-7.77	54.00	16.88	100	350	AV	Vertical
10	4882.00	46.69	39.53	-7.16	54.00	14.47	100	99	AV	Vertical

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:	Marine Radio with Bluetooth	Polarity:	Horizontal
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 78	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



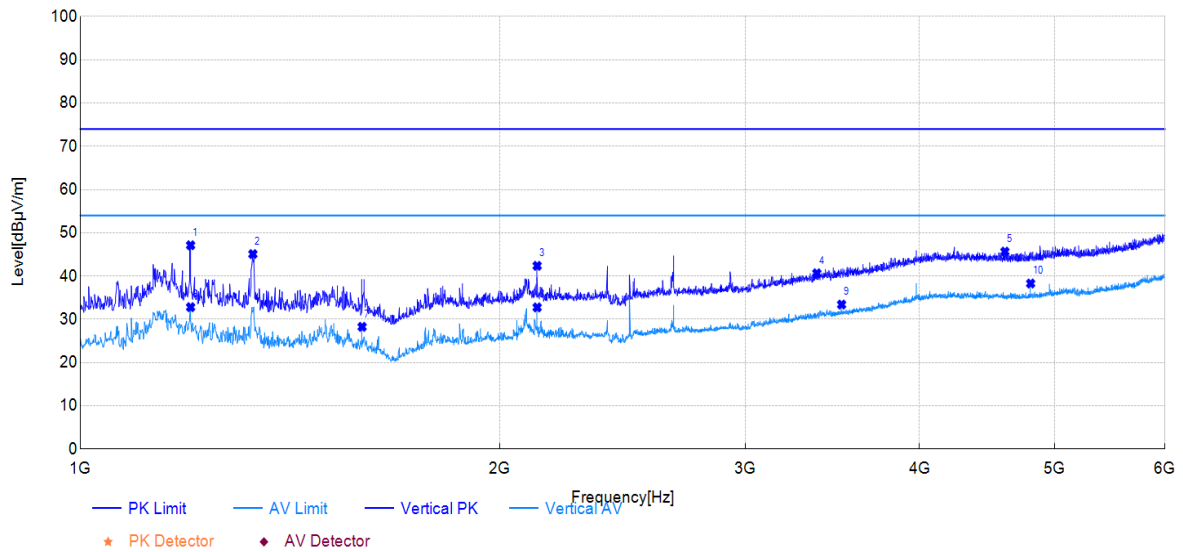
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	1329.00	65.30	42.61	-22.69	74.00	31.39	100	104	PK	Horizontal
2	1598.00	61.94	40.84	-21.10	74.00	33.16	100	81	PK	Horizontal
3	3187.00	53.68	40.02	-13.66	74.00	33.98	150	0	PK	Horizontal
4	3983.00	54.28	45.59	-8.69	74.00	28.41	150	127	PK	Horizontal
5	4818.00	52.92	46.19	-6.73	74.00	27.81	150	309	PK	Horizontal
6	1329.00	54.47	31.78	-22.69	54.00	22.22	150	104	AV	Horizontal
7	1595.00	52.18	31.06	-21.12	54.00	22.94	100	86	AV	Horizontal
8	3517.00	46.15	33.93	-12.22	54.00	20.07	150	224	AV	Horizontal
9	3983.00	46.24	37.55	-8.69	54.00	16.45	150	127	AV	Horizontal
10	4960.00	46.44	40.23	-6.21	54.00	13.77	150	213	AV	Horizontal

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:	Marine Radio with Bluetooth	Polarity:	Vertical
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 78	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



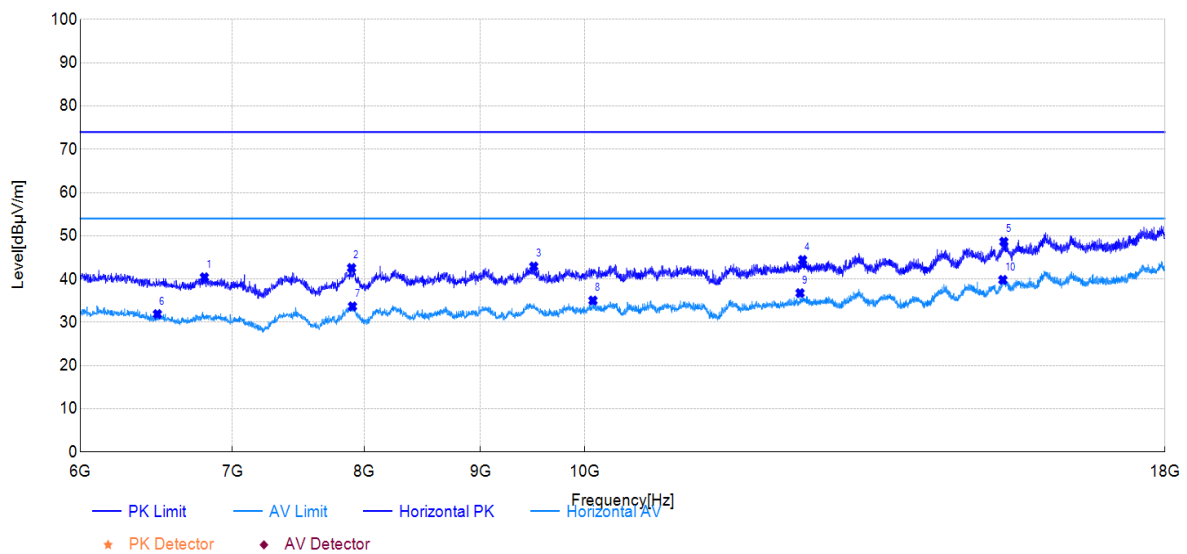
Suspected Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	1200.00	69.59	47.12	-22.47	74.00	26.88	150	96	PK	Vertical
2	1330.00	66.86	45.08	-21.78	74.00	28.92	100	119	PK	Vertical
3	2127.00	59.68	42.37	-17.31	74.00	31.63	150	140	PK	Vertical
4	3376.00	52.85	40.64	-12.21	74.00	33.36	150	53	PK	Vertical
5	4606.00	53.03	45.65	-7.38	74.00	28.35	150	122	PK	Vertical
6	1200.00	55.28	32.81	-22.47	54.00	21.19	150	96	AV	Vertical
7	1593.00	48.67	28.26	-20.41	54.00	25.74	150	241	AV	Vertical
8	2127.00	50.06	32.75	-17.31	54.00	21.25	150	140	AV	Vertical
9	3517.00	44.85	33.41	-11.44	54.00	20.59	150	75	AV	Vertical
10	4806.00	45.60	38.28	-7.32	54.00	15.72	100	184	AV	Vertical

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:	Marine Radio with Bluetooth	Polarity:	Horizontal
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 00	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



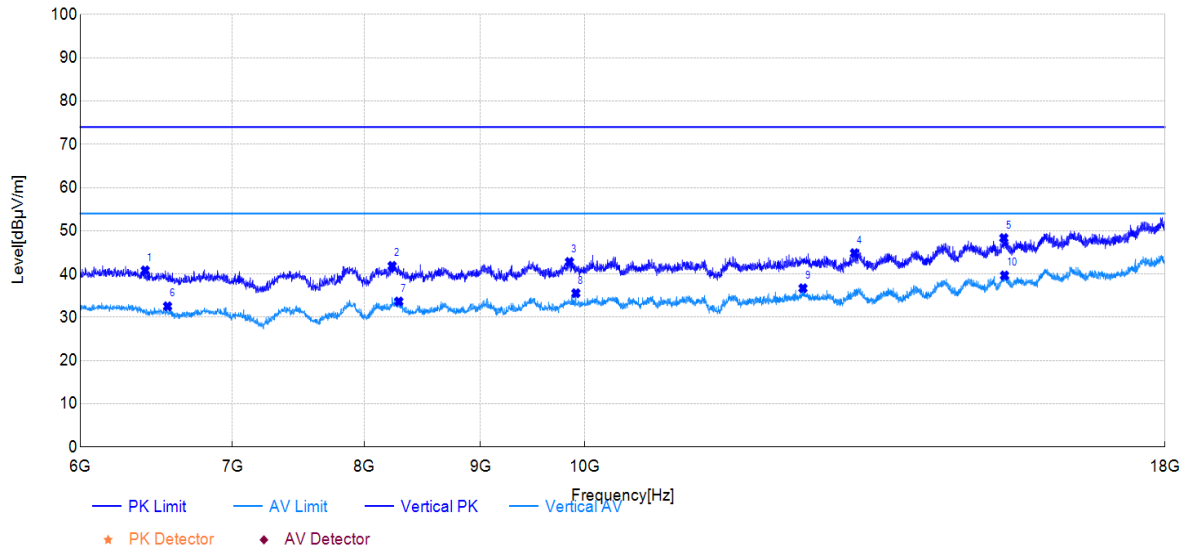
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	6804.00	45.29	40.41	-4.88	74.00	33.59	150	87	PK	Horizontal
2	7897.50	43.57	42.56	-1.01	74.00	31.44	150	64	PK	Horizontal
3	9498.00	42.88	42.91	0.03	74.00	31.09	100	248	PK	Horizontal
4	12471.00	42.01	44.41	2.40	74.00	29.59	100	294	PK	Horizontal
5	15289.50	41.52	48.63	7.11	74.00	25.37	100	236	PK	Horizontal
6	6487.50	37.16	31.89	-5.27	54.00	22.11	150	118	AV	Horizontal
7	7905.00	34.67	33.68	-0.99	54.00	20.32	150	192	AV	Horizontal
8	10084.50	35.08	35.03	-0.05	54.00	18.97	150	218	AV	Horizontal
9	12438.00	34.40	36.75	2.35	54.00	17.25	100	30	AV	Horizontal
10	15274.50	32.95	39.80	6.85	54.00	14.20	100	152	AV	Horizontal

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:	Marine Radio with Bluetooth	Polarity:	Vertical
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 00	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



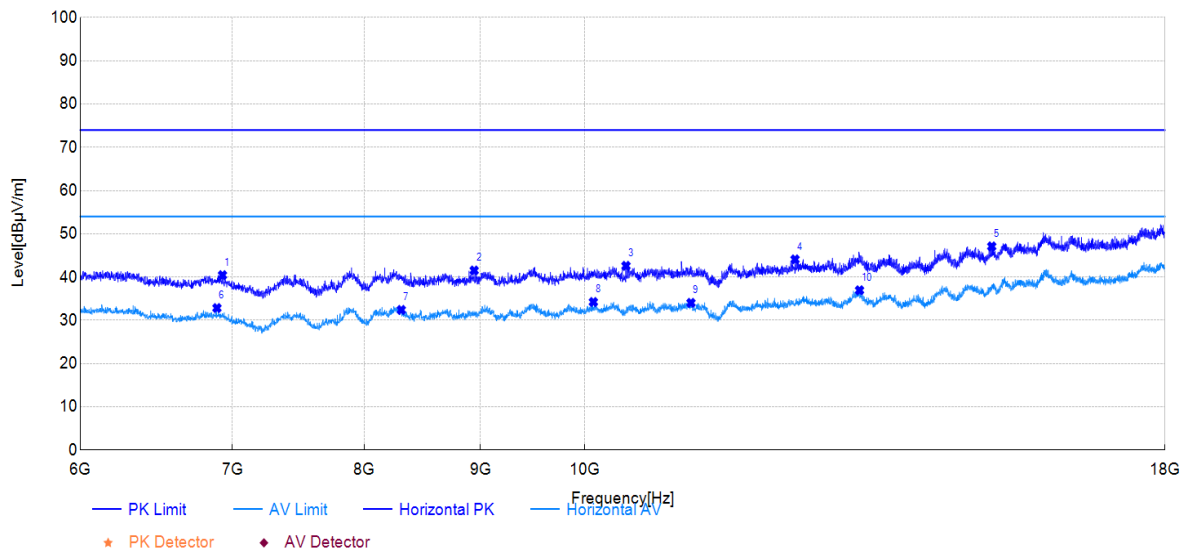
Suspected Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	6408.00	45.75	40.84	-4.91	74.00	33.16	150	106	PK	Vertical
2	8229.00	43.25	41.88	-1.37	74.00	32.12	100	65	PK	Vertical
3	9847.50	42.78	42.80	0.02	74.00	31.20	100	185	PK	Vertical
4	13143.00	42.16	44.83	2.67	74.00	29.17	150	10	PK	Vertical
5	15289.50	41.40	48.32	6.92	74.00	25.68	100	8	PK	Vertical
6	6555.00	37.81	32.54	-5.27	54.00	21.46	100	304	AV	Vertical
7	8284.50	34.87	33.65	-1.22	54.00	20.35	100	104	AV	Vertical
8	9912.00	35.55	35.57	0.02	54.00	18.43	100	216	AV	Vertical
9	12475.50	34.20	36.71	2.51	54.00	17.29	150	1	AV	Vertical
10	15300.00	32.57	39.66	7.09	54.00	14.34	150	342	AV	Vertical

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:	Marine Radio with Bluetooth	Polarity:	Horizontal
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 39	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



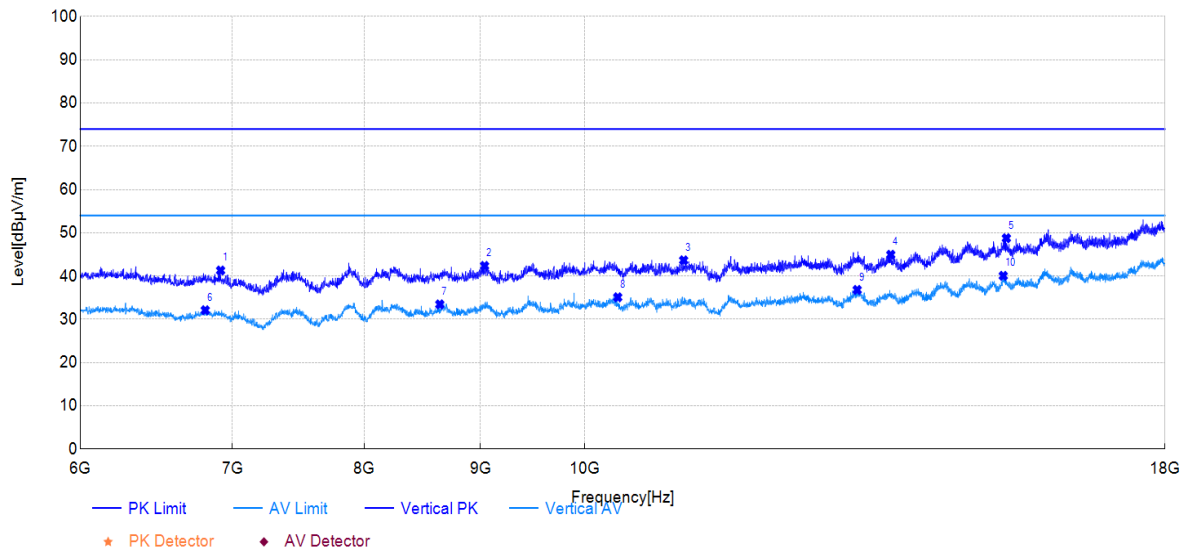
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	6930.00	44.97	40.44	-4.53	74.00	33.56	100	20	PK	Horizontal
2	8941.50	42.54	41.52	-1.02	74.00	32.48	100	250	PK	Horizontal
3	10428.00	42.21	42.59	0.38	74.00	31.41	100	352	PK	Horizontal
4	12375.00	41.97	44.08	2.11	74.00	29.92	100	168	PK	Horizontal
5	15103.50	41.28	47.09	5.81	74.00	26.91	100	78	PK	Horizontal
6	6891.00	37.27	32.84	-4.43	54.00	21.16	100	168	AV	Horizontal
7	8305.50	33.56	32.40	-1.16	54.00	21.60	150	62	AV	Horizontal
8	10089.00	34.28	34.23	-0.05	54.00	19.77	100	86	AV	Horizontal
9	11137.50	33.33	34.03	0.70	54.00	19.97	100	0	AV	Horizontal
10	13210.50	33.57	36.94	3.37	54.00	17.06	100	340	AV	Horizontal

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:	Marine Radio with Bluetooth	Polarity:	Vertical
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 39	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



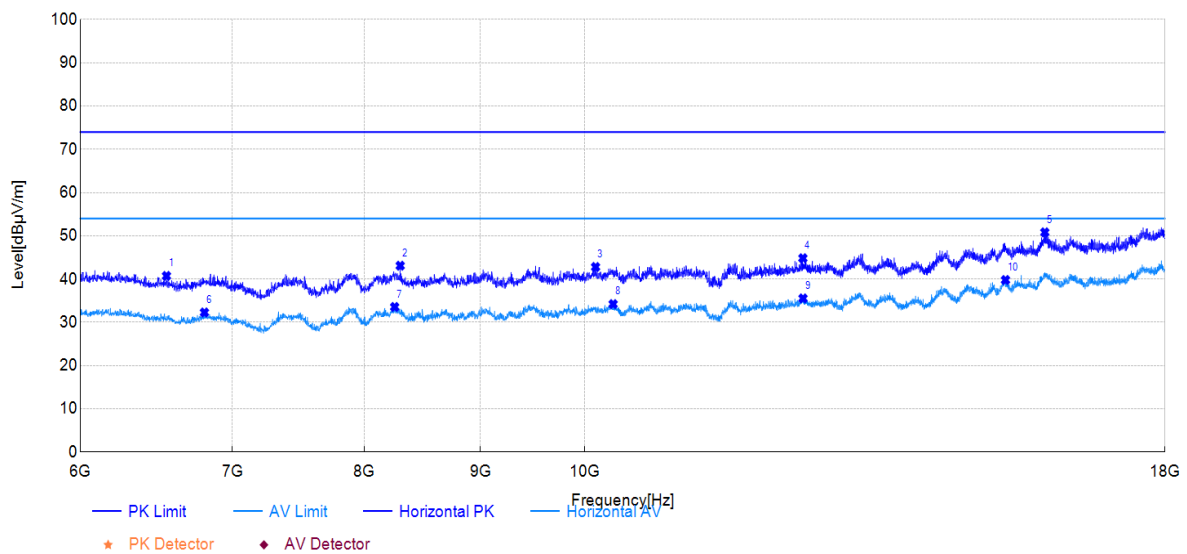
Suspected Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	6916.50	45.71	41.29	-4.42	74.00	32.71	100	8	PK	Vertical
2	9036.00	43.11	42.34	-0.77	74.00	31.66	150	1	PK	Vertical
3	11055.00	42.55	43.64	1.09	74.00	30.36	150	126	PK	Vertical
4	13635.00	41.97	44.94	2.97	74.00	29.06	150	279	PK	Vertical
5	15328.50	41.81	48.75	6.94	74.00	25.25	100	205	PK	Vertical
6	6810.00	36.84	32.10	-4.74	54.00	21.90	150	0	AV	Vertical
7	8635.50	34.67	33.45	-1.22	54.00	20.55	100	181	AV	Vertical
8	10341.00	34.62	35.09	0.47	54.00	18.91	150	0	AV	Vertical
9	13179.00	33.94	36.80	2.86	54.00	17.20	100	27	AV	Vertical
10	15280.50	33.28	40.05	6.77	54.00	13.95	150	283	AV	Vertical

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:	Marine Radio with Bluetooth	Polarity:	Horizontal
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 78	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

Test Graph



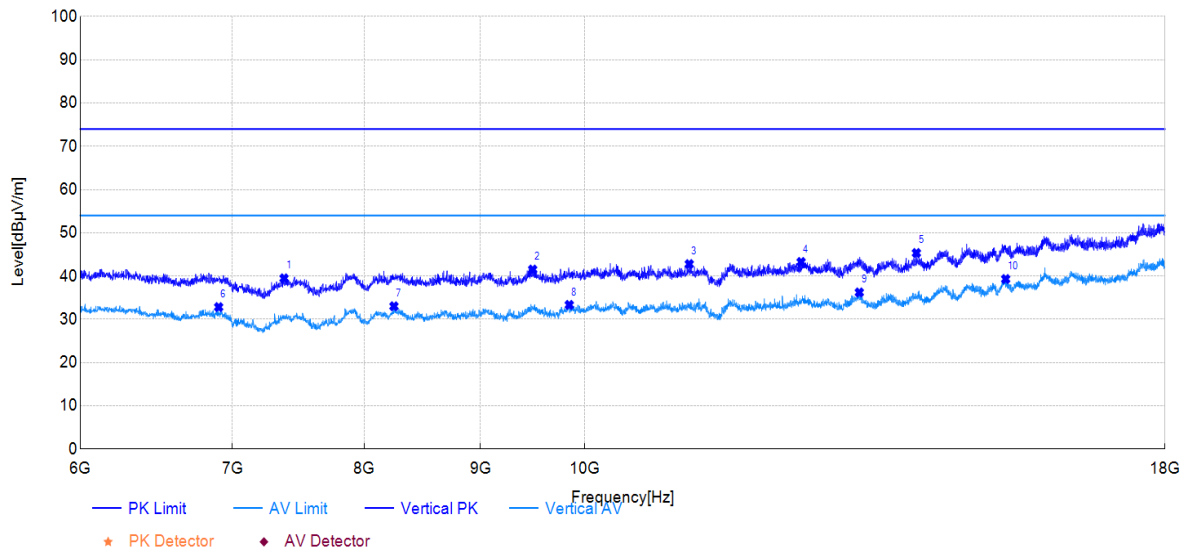
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	6547.50	46.22	40.72	-5.50	74.00	33.28	100	266	PK	Horizontal
2	8296.50	44.27	43.09	-1.18	74.00	30.91	150	226	PK	Horizontal
3	10111.50	42.84	42.79	-0.05	74.00	31.21	100	23	PK	Horizontal
4	12474.00	42.41	44.82	2.41	74.00	29.18	150	360	PK	Horizontal
5	15937.50	41.02	50.80	9.78	74.00	23.20	150	331	PK	Horizontal
6	6804.00	37.15	32.27	-4.88	54.00	21.73	150	143	AV	Horizontal
7	8250.00	34.87	33.55	-1.32	54.00	20.45	100	117	AV	Horizontal
8	10293.00	34.17	34.21	0.04	54.00	19.79	100	1	AV	Horizontal
9	12475.50	33.12	35.53	2.41	54.00	18.47	150	360	AV	Horizontal
10	15315.00	32.55	39.78	7.23	54.00	14.22	150	331	AV	Horizontal

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:	Marine Radio with Bluetooth	Polarity:	Vertical
Model:	UTE-MN801	Test Engineer:	Chuang Li
Mode:	Transmit at DH5 Channel 78	Voltage:	DC 14.4V
Environment:	Temp: 21.5°C; Humi: 56%	Test Date:	2025-09-05

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
1	7375.50	42.38	39.47	-2.91	74.00	34.53	100	187	PK	Vertical
2	9487.50	41.55	41.50	-0.05	74.00	32.50	100	254	PK	Vertical
3	11118.00	41.92	42.77	0.85	74.00	31.23	150	22	PK	Vertical
4	12451.50	40.79	43.25	2.46	74.00	30.75	150	242	PK	Vertical
5	13993.50	41.52	45.33	3.81	74.00	28.67	150	200	PK	Vertical
6	6903.00	37.17	32.82	-4.35	54.00	21.18	100	203	AV	Vertical
7	8244.00	34.35	33.01	-1.34	54.00	20.99	100	6	AV	Vertical
8	9846.00	33.31	33.33	0.02	54.00	20.67	150	330	AV	Vertical
9	13207.50	33.31	36.21	2.90	54.00	17.79	150	1	AV	Vertical
10	15318.00	32.32	39.31	6.99	54.00	14.69	150	342	AV	Vertical

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.

7.10. Radiated Restricted Band Edge Measurement

7.10.1. 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

7.10.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.10.3.Test Setting

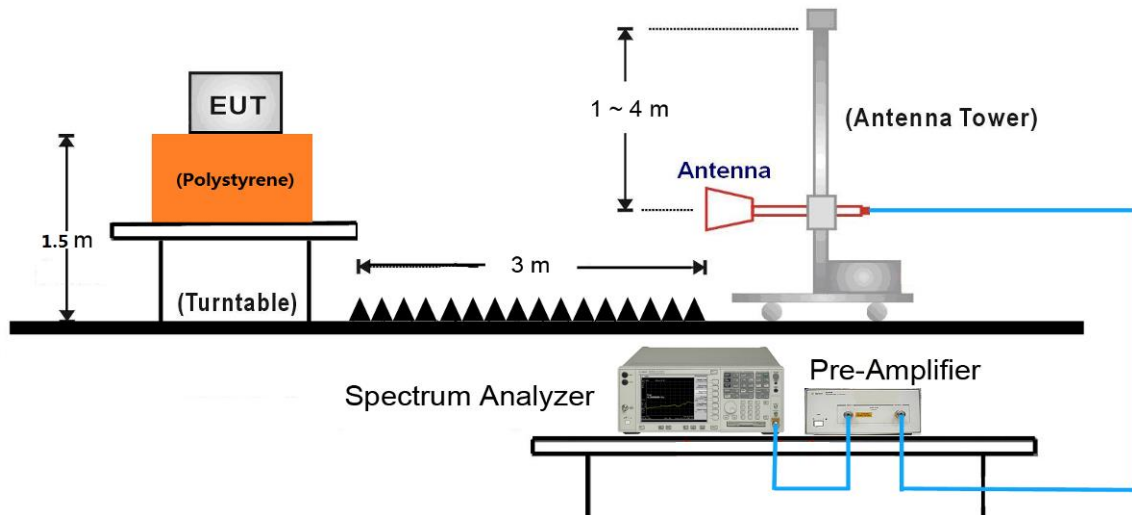
Peak Field Strength Measurements

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 Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.10.4.Test Setup

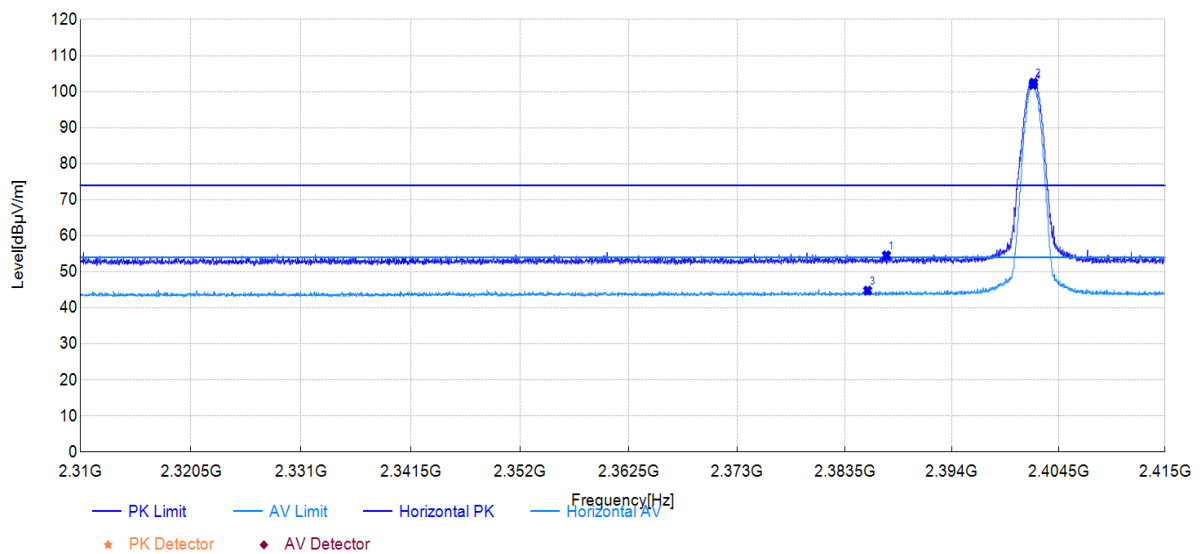


7.10.5.Test Result

DH5

Test Mode:	DH5	Test Date:	2025-09-05
Test Channel:	2402	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

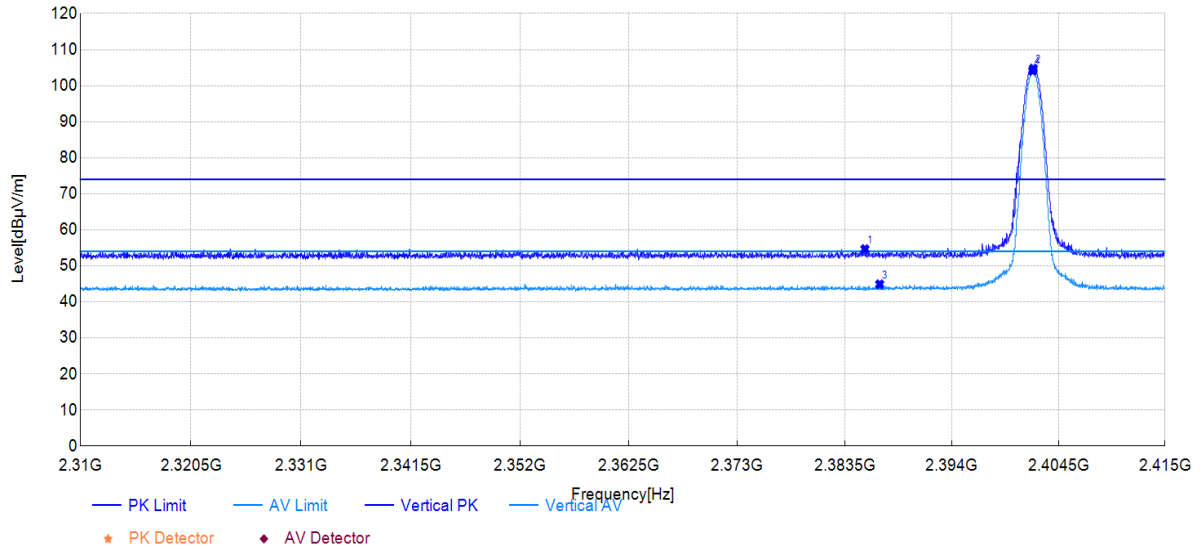


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2387.59	19.08	54.57	35.49	74.00	19.43	150	50	PK	Horizontal
2	2402.03	67.04	102.52	35.48	/	/	150	205	PK	Horizontal
3	2385.75	9.30	44.80	35.50	54.00	9.20	150	258	AV	Horizontal
4	2401.98	66.38	101.86	35.48	/	/	150	205	AV	Horizontal

Test Mode:	DH5	Test Date:	2025-09-05
Test Channel:	2402	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

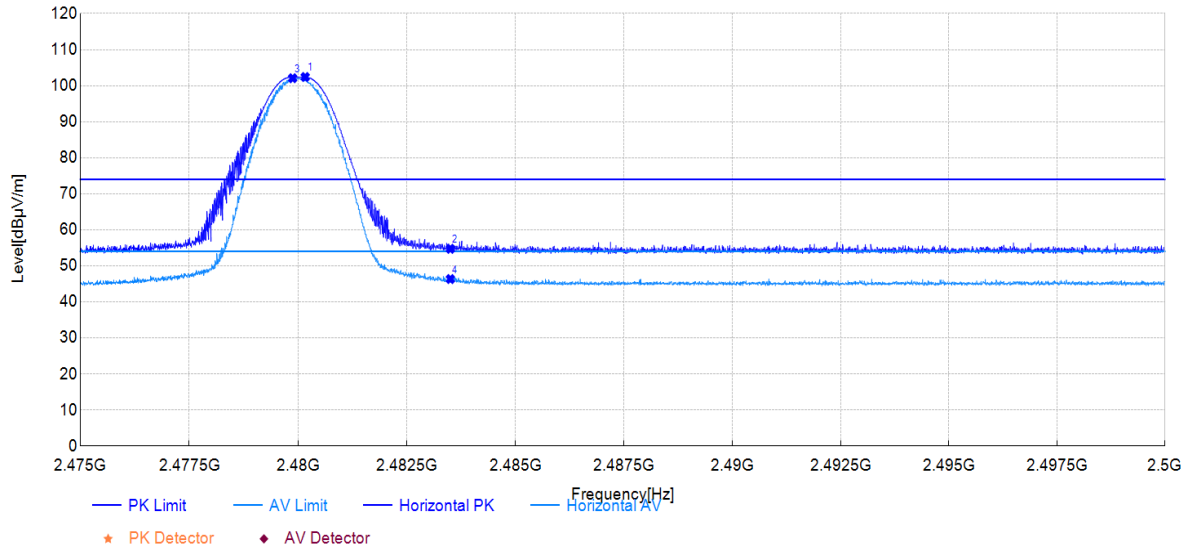


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2385.49	19.28	54.64	35.36	74.00	19.36	150	189	PK	Vertical
2	2402.00	69.43	104.75	35.32	/	/	150	174	PK	Vertical
3	2386.93	9.54	44.89	35.35	54.00	9.11	150	350	AV	Vertical
4	2401.95	68.81	104.12	35.31	/	/	150	174	AV	Vertical

Test Mode:	DH5	Test Date:	2025-09-05
Test Channel:	2480	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

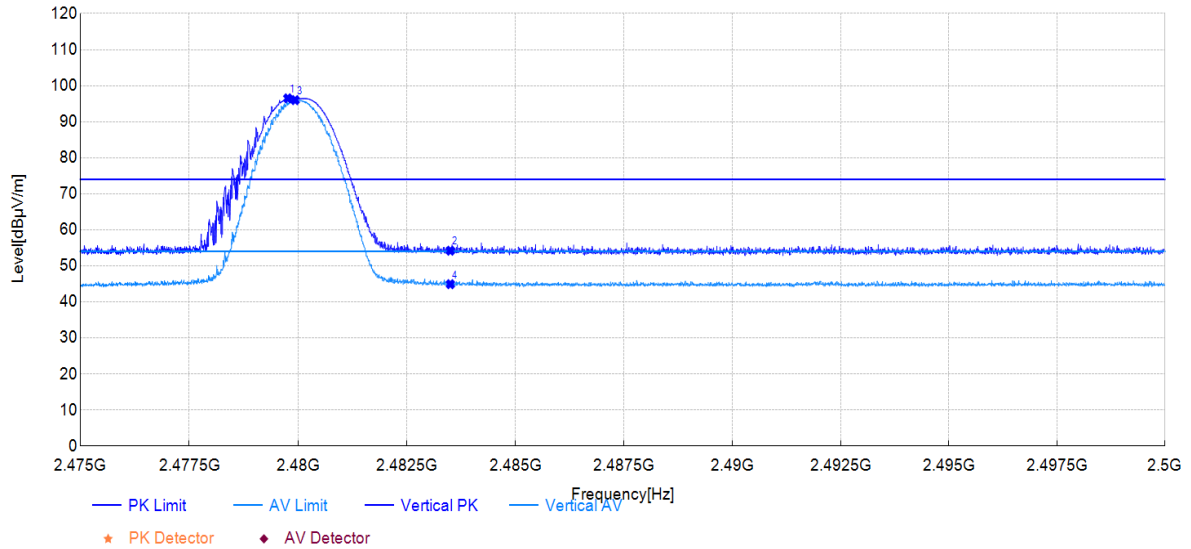


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2480.16	66.14	102.40	36.26	/	/	150	203	PK	Horizontal
2	2483.50	18.44	54.73	36.29	74.00	19.27	150	199	PK	Horizontal
3	2479.88	65.81	102.07	36.26	/	/	150	203	AV	Horizontal
4	2483.50	10.05	46.34	36.29	54.00	7.66	150	199	AV	Horizontal

Test Mode:	DH5	Test Date:	2025-09-05
Test Channel:	2480	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

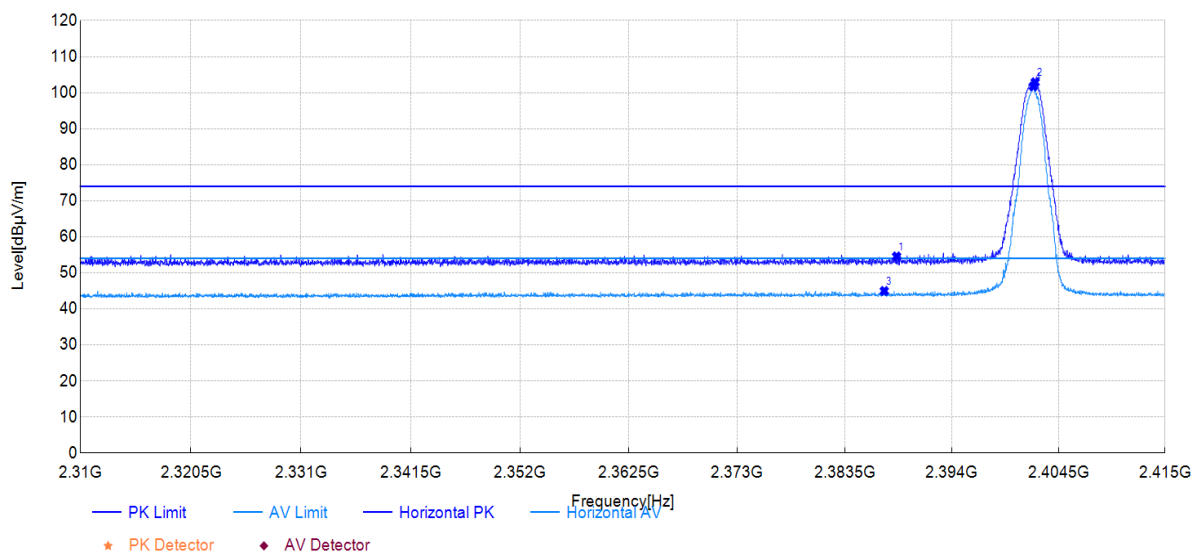


Suspected Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2480.15	67.78	103.77	35.99	/	/	150	170	PK	Vertical
2	2483.50	19.09	55.10	36.01	74.00	18.90	150	181	PK	Vertical
3	2479.88	67.41	103.40	35.99	/	/	150	170	AV	Vertical
4	2483.50	10.64	46.65	36.01	54.00	7.35	150	174	AV	Vertical

2DH5

Test Mode:	2DH5	Test Date:	2025-09-05
Test Channel:	2402	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

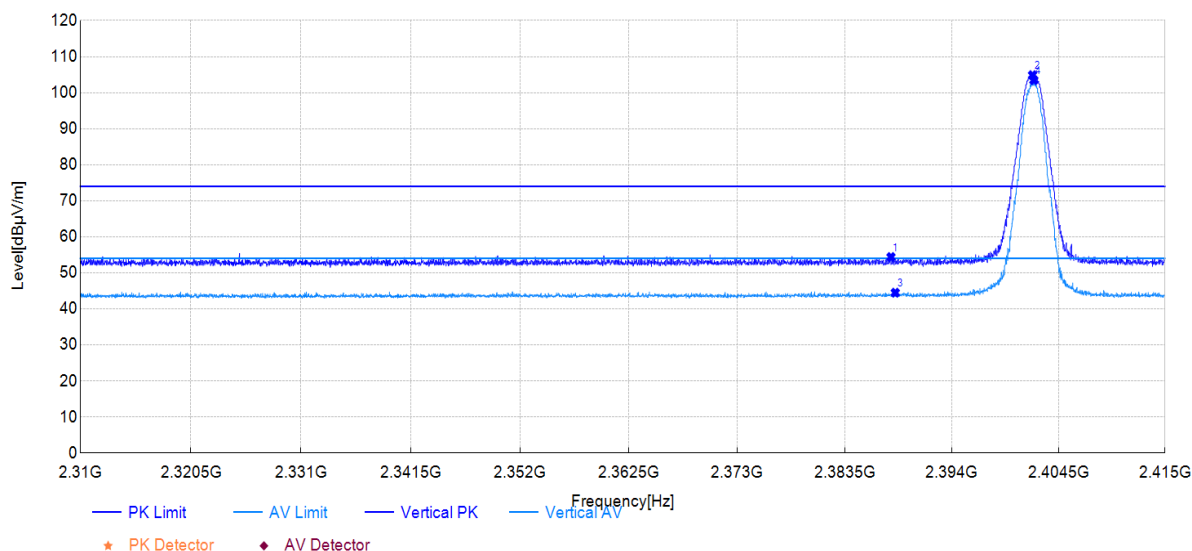


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2388.59	19.07	54.55	35.48	74.00	19.45	150	187	PK	Horizontal
2	2402.19	67.39	102.88	35.49	/	/	150	202	PK	Horizontal
3	2387.38	9.48	44.97	35.49	54.00	9.03	150	267	AV	Horizontal
4	2402.00	66.27	101.75	35.48	/	/	150	202	AV	Horizontal

Test Mode:	2DH5	Test Date:	2025-09-05
Test Channel:	2402	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

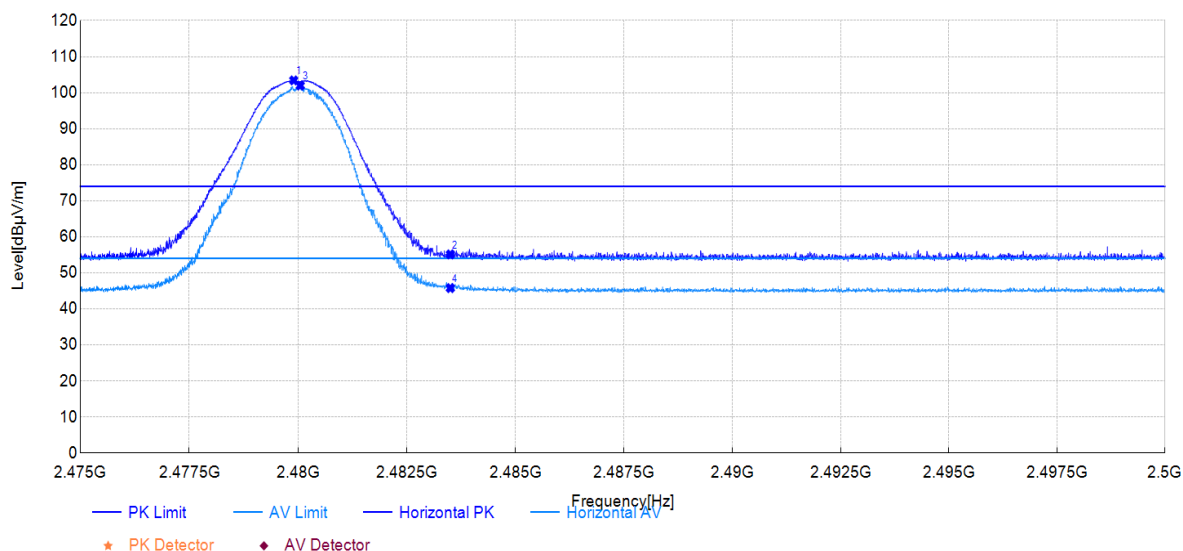


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2388.03	19.04	54.39	35.35	74.00	19.61	150	48	PK	Vertical
2	2401.92	69.55	104.86	35.31	/	/	150	177	PK	Vertical
3	2388.45	9.15	44.49	35.34	54.00	9.51	150	357	AV	Vertical
4	2402.06	68.14	103.46	35.32	/	/	150	181	AV	Vertical

Test Mode:	2DH5	Test Date:	2025-09-05
Test Channel:	2480	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

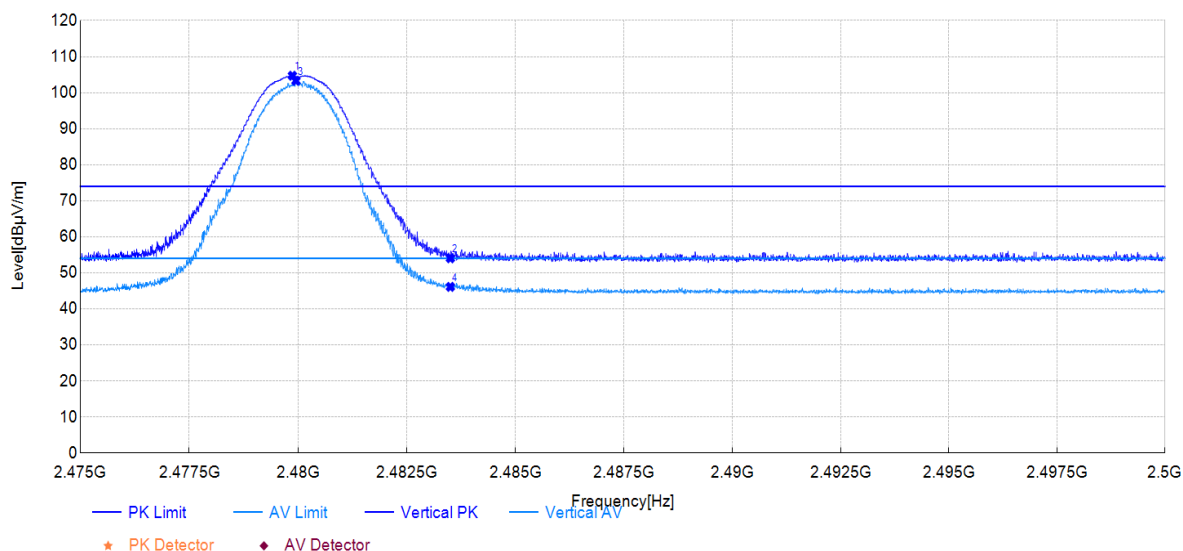


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2479.90	67.14	103.40	36.26	/	/	150	200	PK	Horizontal
2	2483.50	18.83	55.12	36.29	74.00	18.88	150	200	PK	Horizontal
3	2480.05	65.71	101.97	36.26	/	/	150	200	AV	Horizontal
4	2483.50	9.49	45.78	36.29	54.00	8.22	150	147	AV	Horizontal

Test Mode:	2DH5	Test Date:	2025-09-05
Test Channel:	2480	Test Engineer:	Chuang Li
Remark:	/		

Test Graph



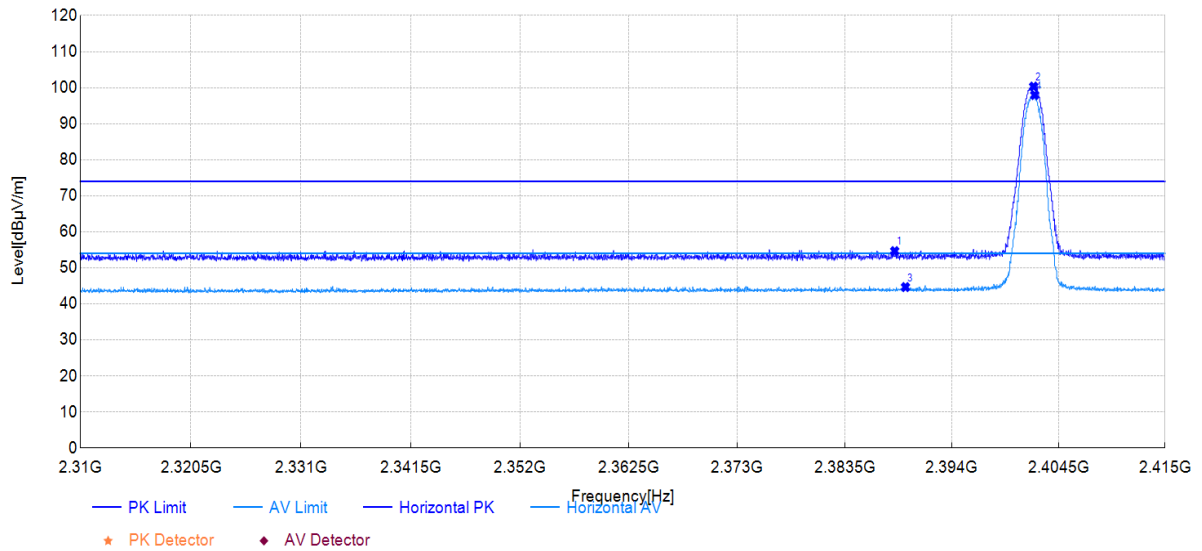
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2479.87	68.71	104.70	35.99	/	/	150	173	PK	Vertical
2	2483.50	18.03	54.04	36.01	74.00	19.96	150	166	PK	Vertical
3	2479.95	67.30	103.29	35.99	/	/	150	170	AV	Vertical
4	2483.50	10.10	46.11	36.01	54.00	7.89	150	166	AV	Vertical

3DH5

Test Mode:	3DH5	Test Date:	2025-09-05
Test Channel:	2402	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

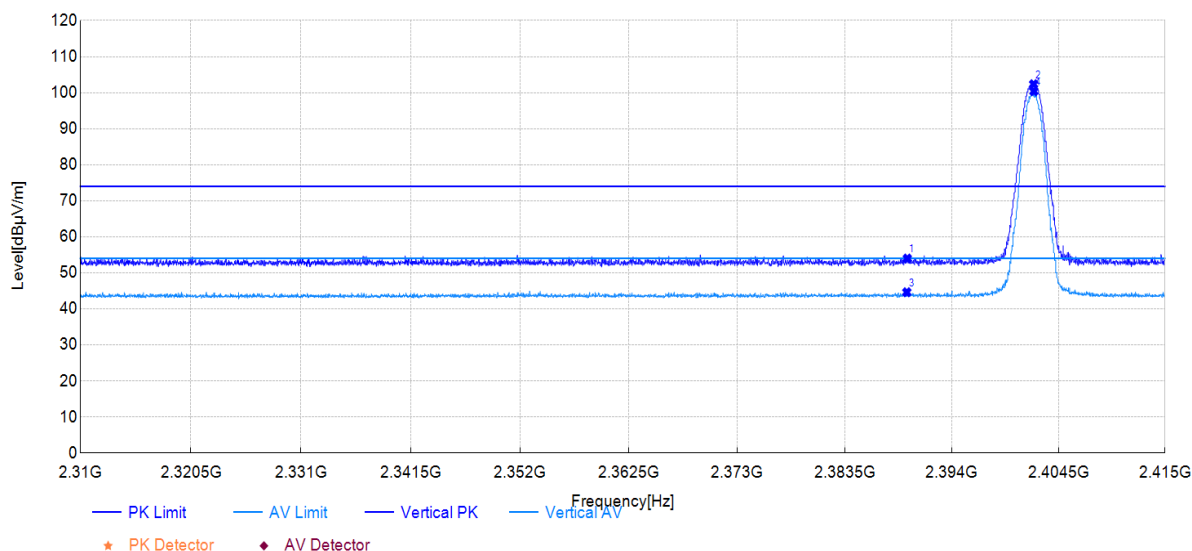


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2388.40	19.18	54.66	35.48	74.00	19.34	150	357	PK	Horizontal
2	2402.03	64.84	100.32	35.48	/	/	150	205	PK	Horizontal
3	2389.45	9.19	44.67	35.48	54.00	9.33	150	155	AV	Horizontal
4	2402.13	62.46	97.95	35.49	/	/	150	202	AV	Horizontal

Test Mode:	3DH5	Test Date:	2025-09-05
Test Channel:	2402	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

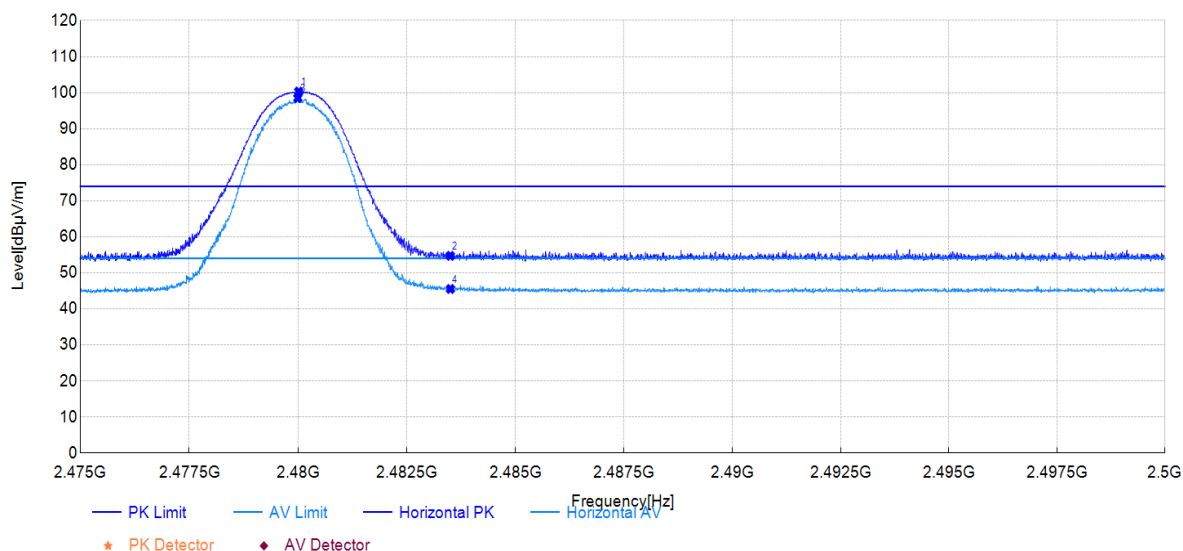


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2389.64	18.64	53.98	35.34	74.00	20.02	150	357	PK	Vertical
2	2402.03	67.03	102.35	35.32	/	/	150	176	PK	Vertical
3	2389.58	9.28	44.62	35.34	54.00	9.38	150	3	AV	Vertical
4	2402.06	65.09	100.41	35.32	/	/	150	180	AV	Vertical

Test Mode:	3DH5	Test Date:	2025-09-05
Test Channel:	2480	Test Engineer:	Chuang Li
Remark:	/		

Test Graph

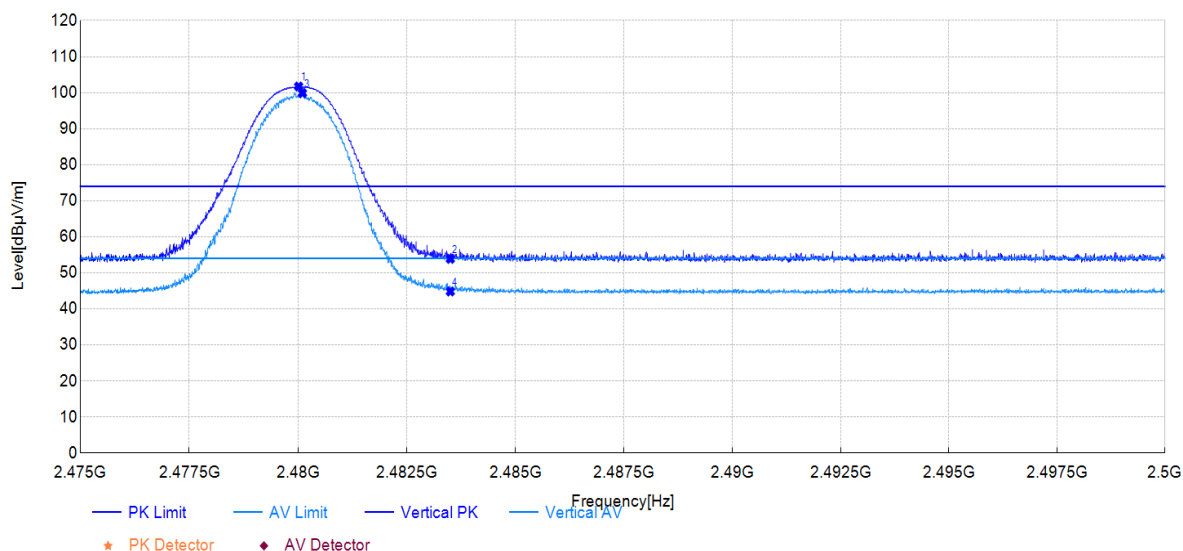


Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity
1	2480.01	64.04	100.30	36.26	/	/	150	203	PK	Horizontal
2	2483.50	18.43	54.72	36.29	74.00	19.28	150	331	PK	Horizontal
3	2479.99	62.26	98.52	36.26	/	/	150	199	AV	Horizontal
4	2483.50	9.24	45.53	36.29	54.00	8.47	150	328	AV	Horizontal

Test Mode:	3DH5	Test Date:	2025-09-05
Test Channel:	2480	Test Engineer:	Chuang Li
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
1	2480.01	65.71	101.70	35.99	/	/	150	171	PK	Vertical
2	2483.50	17.87	53.88	36.01	74.00	20.12	150	174	PK	Vertical
3	2480.10	63.90	99.89	35.99	/	/	150	171	AV	Vertical
4	2483.50	8.83	44.84	36.01	54.00	9.16	150	177	AV	Vertical

7.11. AC Conducted Emissions Measurement

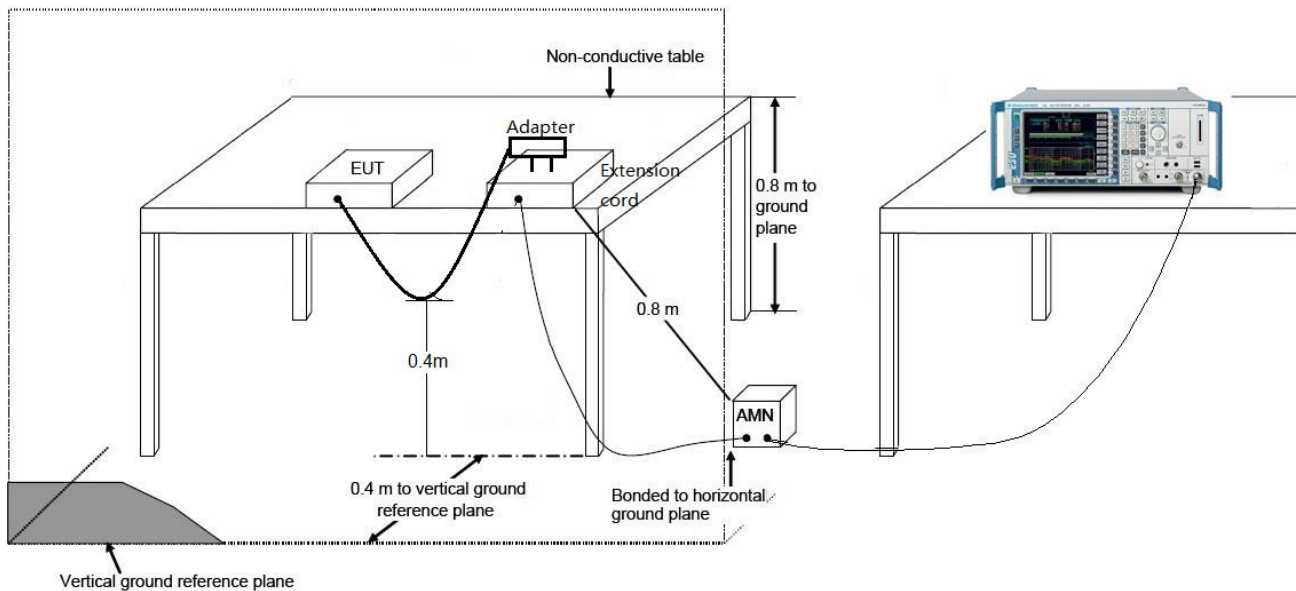
7.11.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBμV)	Average (dBμV)
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.

7.11.2. Test Setup



7.11.3.Test Result

Not Applicable. The device is only powered by DC.

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Marine Radio with Bluetooth** 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. This report is issued by the following laboratory premises:
No.8 Ningyun Rd., Xinwu District Wuxi, Jiangsu 214000 China

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