

A.4 Band Edge (Authorized-band band-edge)

Note: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

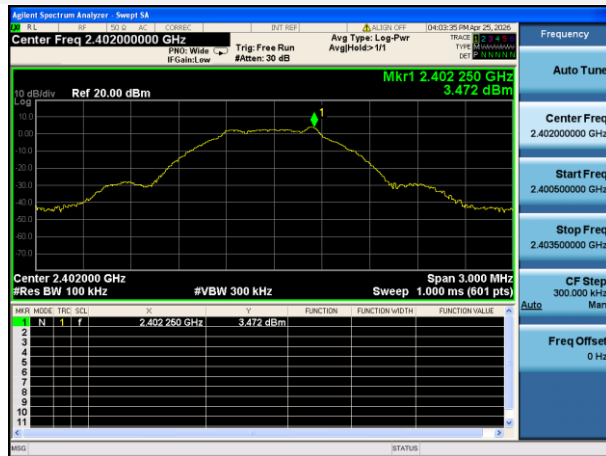
Test Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-45.64	3.47	-16.53	Pass
High Channel	-48.75	4.65	-15.35	Pass

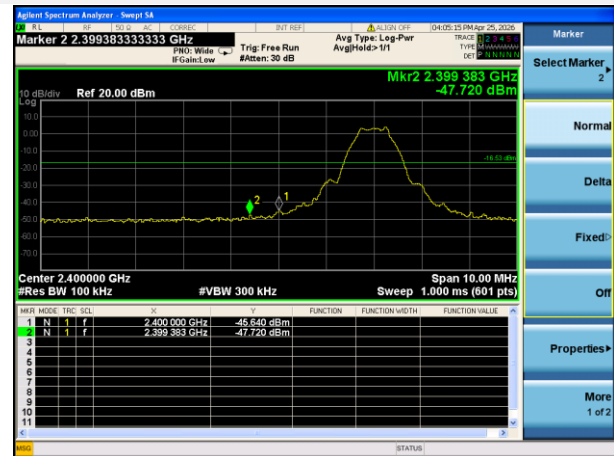
GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.23	2.79	-17.21	Pass
High Channel	-48.82	3.22	-16.78	Pass

Test Plots

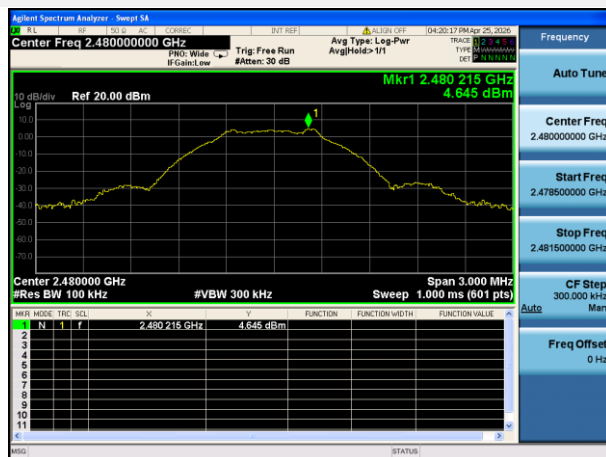
GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



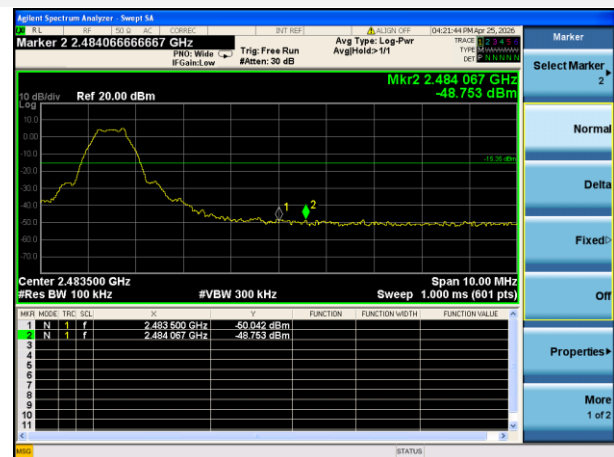
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



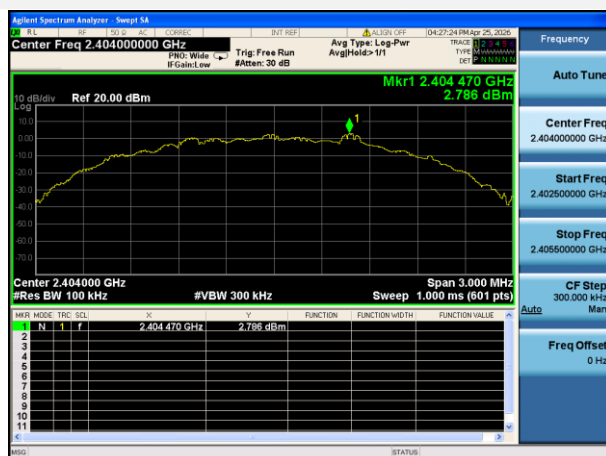
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



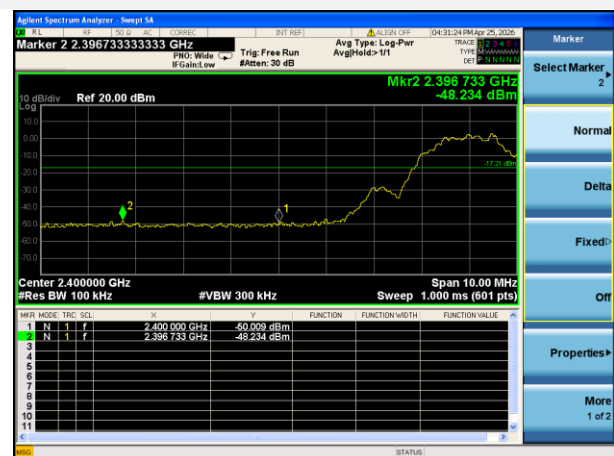
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE

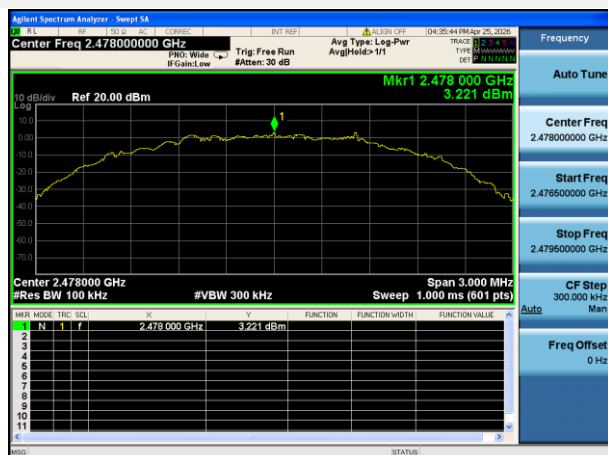
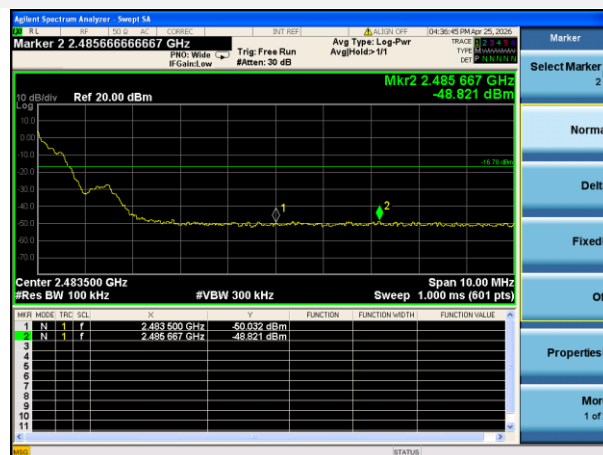


GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER
LEVELGFSK (BLE 2Mbps) HIGH CHANNEL, BAND
EDGE

A.5 Conducted Emissions

Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

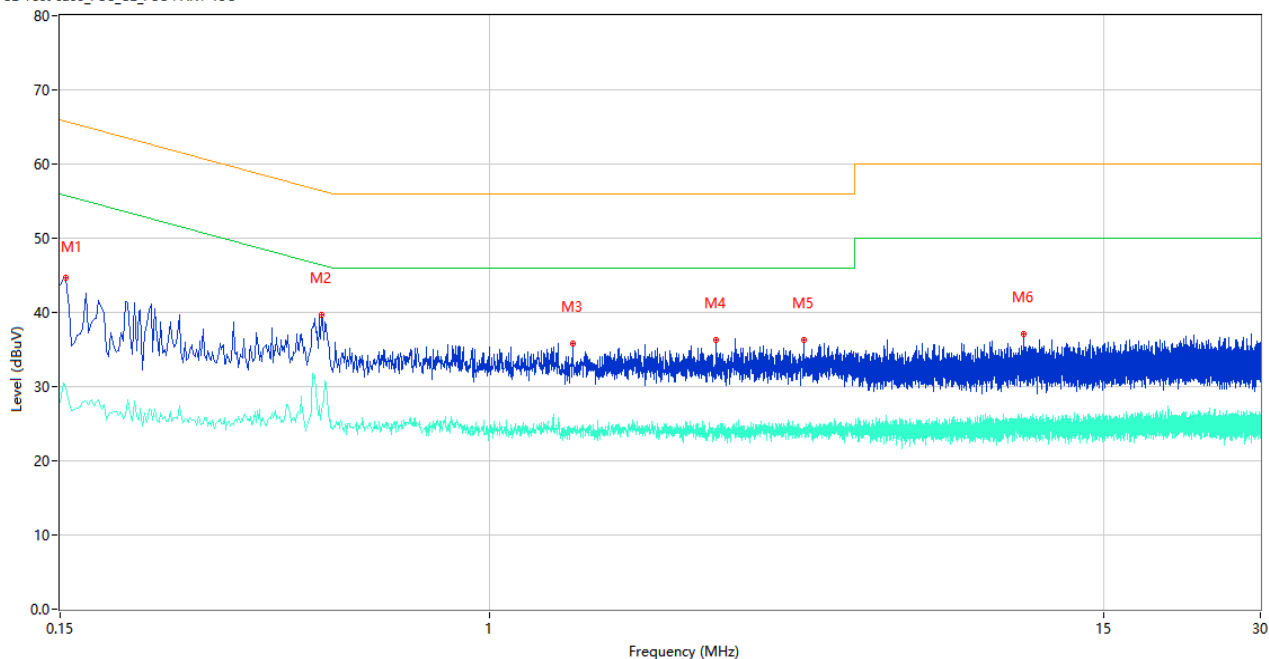
Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

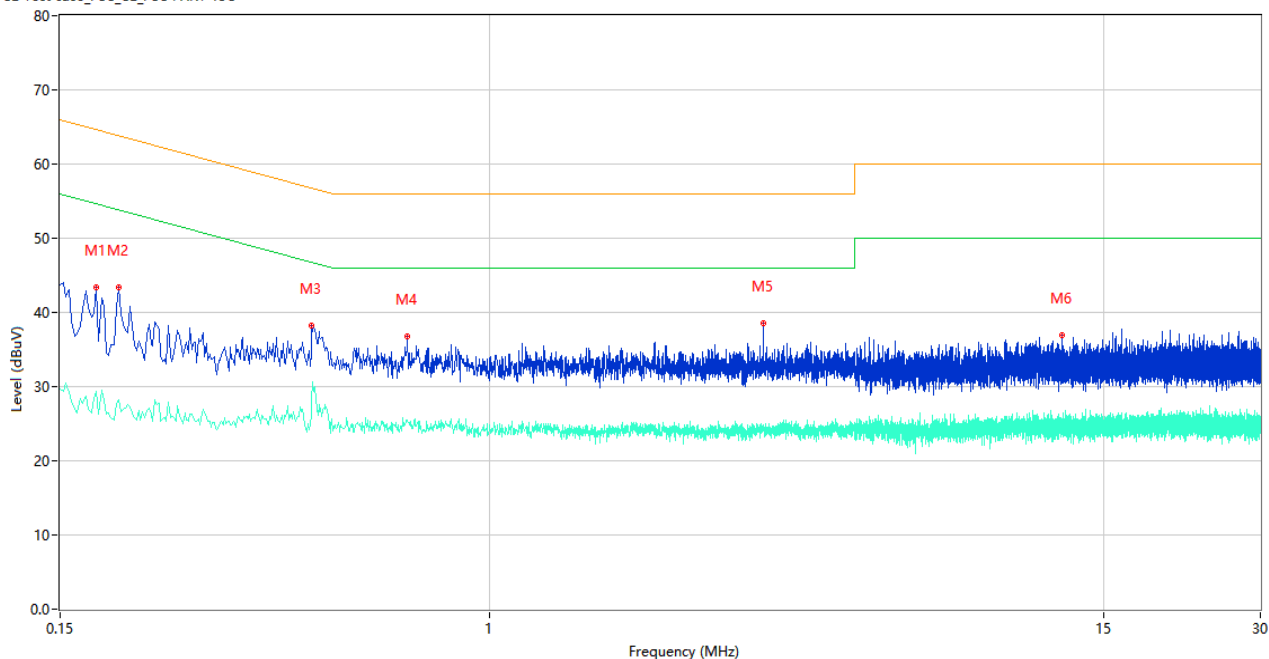
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.154	44.63	9.86	65.78	21.15	Peak	L	Pass
1**	0.154	30.02	9.86	55.78	25.76	AV	L	Pass
2	0.476	39.73	10.06	56.41	16.68	Peak	L	Pass
2**	0.476	27.13	10.06	46.41	19.28	AV	L	Pass
3	1.440	35.78	10.06	56.00	20.22	Peak	L	Pass
3**	1.440	24.16	10.06	46.00	21.84	AV	L	Pass
4	2.714	36.25	10.14	56.00	19.75	Peak	L	Pass
4**	2.714	24.04	10.14	46.00	21.96	AV	L	Pass
5	3.992	36.36	9.99	56.00	19.64	Peak	L	Pass
5**	3.992	23.83	9.99	46.00	22.17	AV	L	Pass
6	10.552	37.08	10.36	60.00	22.92	Peak	L	Pass
6**	10.552	24.43	10.36	50.00	25.57	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.176	43.38	9.85	64.67	21.29	Peak	N	Pass
1**	0.176	29.35	9.85	54.67	25.32	AV	N	Pass
2	0.194	43.35	9.84	63.86	20.51	Peak	N	Pass
2**	0.194	28.30	9.84	53.86	25.56	AV	N	Pass
3	0.456	38.16	10.08	56.77	18.61	Peak	N	Pass
3**	0.456	28.00	10.08	46.77	18.77	AV	N	Pass
4	0.696	36.85	10.68	56.00	19.15	Peak	N	Pass
4**	0.696	25.35	10.68	46.00	20.65	AV	N	Pass
5	3.340	38.61	10.48	56.00	17.39	Peak	N	Pass
5**	3.340	24.78	10.48	46.00	21.22	AV	N	Pass
6	12.492	36.86	10.57	60.00	23.14	Peak	N	Pass
6**	12.492	24.59	10.57	50.00	25.41	AV	N	Pass

A.6 Radiated Spurious Emission

Note ¹: The symbol of “--” in the table which means not application.

Note ²: For the test data above 1 GHz, according the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

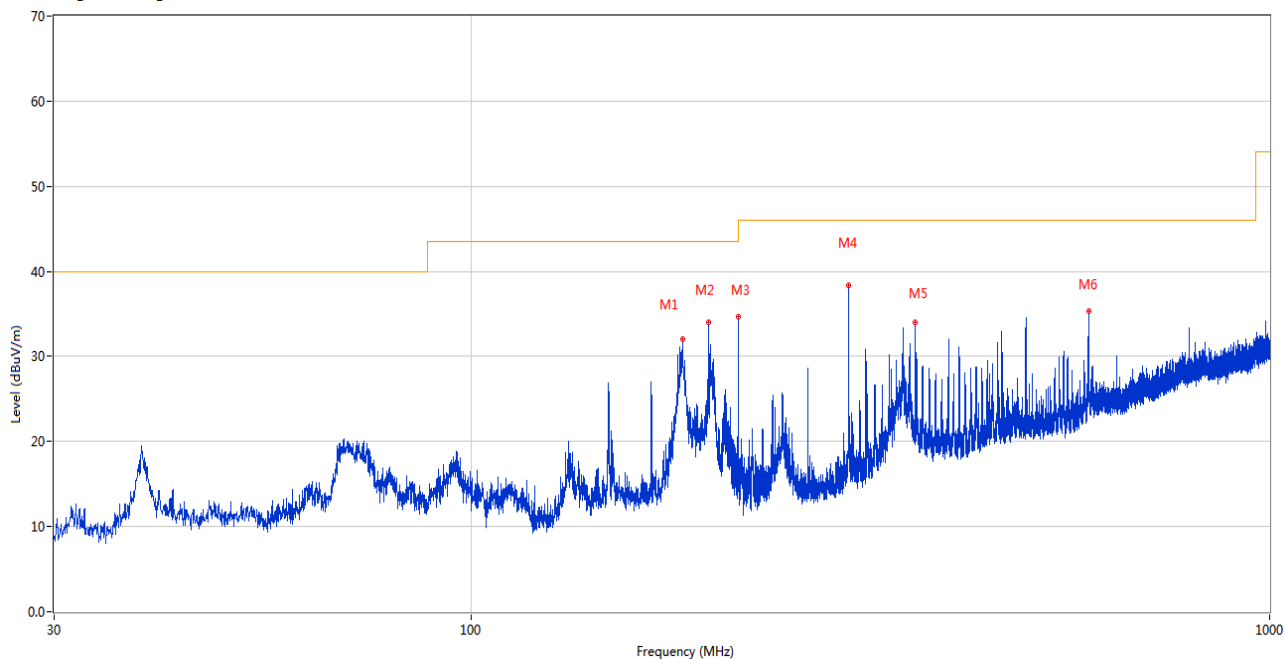
Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 2M-High channel mode is the worst.

Note ⁵: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

Test Data and Plots

30 MHz to 1 GHz, ANT H

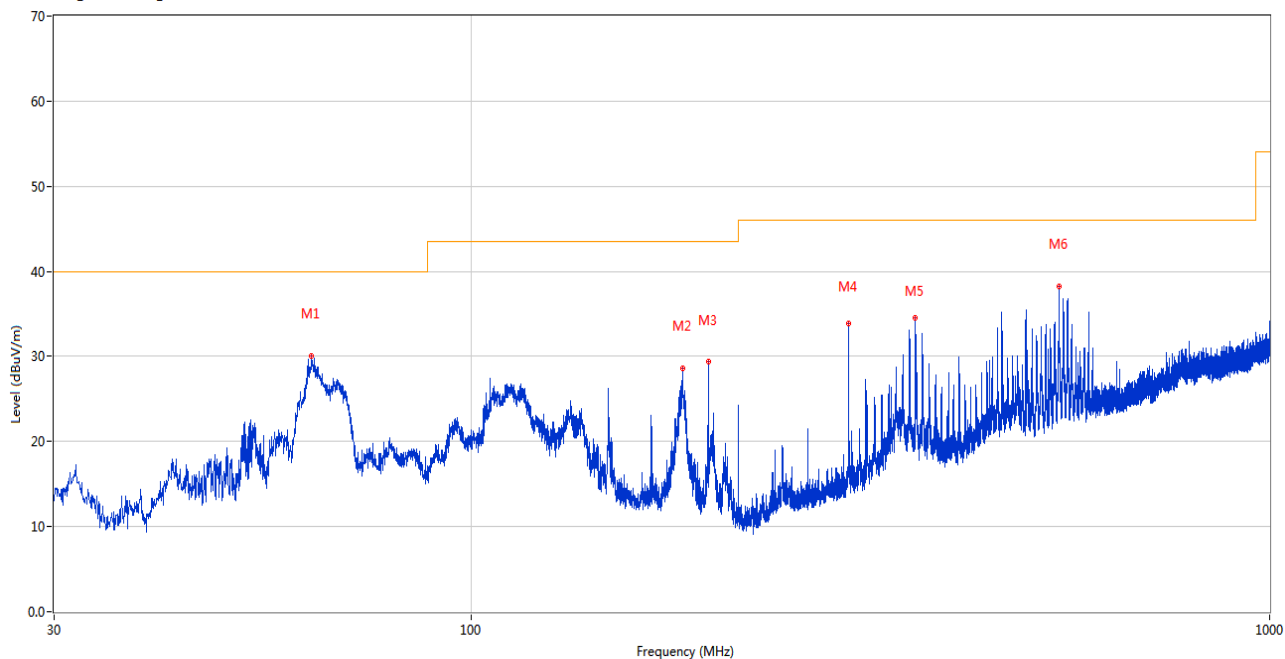
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	183.988	32.08	-25.79	43.5	11.42	Peak	176.00	100	Horizontal	Pass
2	198.004	34.03	-26.72	43.5	9.47	Peak	3.00	100	Horizontal	Pass
3	215.998	34.66	-26.78	43.5	8.84	Peak	176.00	100	Horizontal	Pass
4	296.992	38.39	-22.13	46.0	7.61	Peak	102.00	100	Horizontal	Pass
5	359.994	34.05	-20.25	46.0	11.95	Peak	28.00	100	Horizontal	Pass
6	594.006	35.29	-13.24	46.0	10.71	Peak	0.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



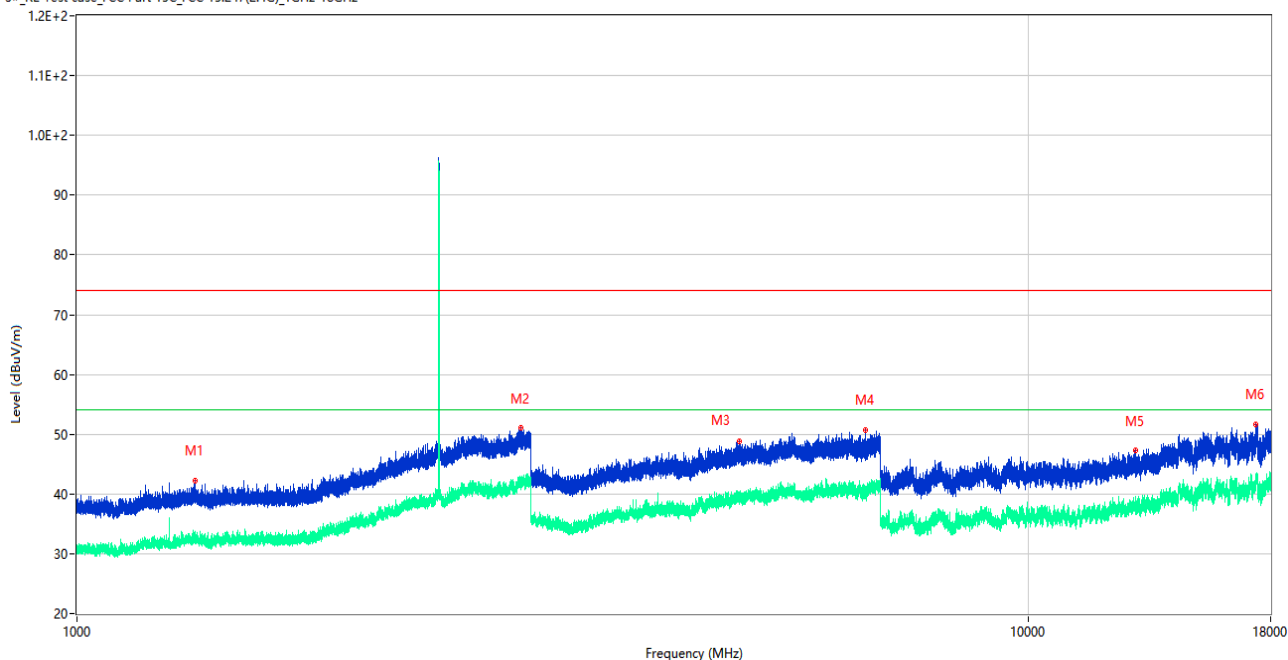
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	63.029	30.03	-25.99	40.0	9.97	Peak	109.00	100	Vertical	Pass
2	183.890	28.62	-25.78	43.5	14.88	Peak	337.00	100	Vertical	Pass
3	198.004	29.33	-26.72	43.5	14.17	Peak	85.00	100	Vertical	Pass
4	296.992	33.92	-22.13	46.0	12.08	Peak	0.00	200	Vertical	Pass
5	359.994	34.59	-20.25	46.0	11.41	Peak	149.00	100	Vertical	Pass
6	544.439	38.19	-14.91	46.0	7.81	Peak	133.00	100	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note²: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT H

3#_RE Test case_FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.103	42.40	74.0	31.60	Peak	344.00	400	Horizontal	Pass
1**	1330.103	32.88	54.0	21.12	AV	344.00	400	Horizontal	Pass
2	2926.704	51.21	74.0	22.79	Peak	337.00	400	Horizontal	Pass
2**	2926.704	42.05	54.0	11.95	AV	337.00	400	Horizontal	Pass
3	4978.151	48.83	74.0	25.17	Peak	33.00	200	Horizontal	Pass
3**	4978.151	39.35	54.0	14.66	AV	33.00	200	Horizontal	Pass
4	6742.642	50.74	74.0	23.26	Peak	315.00	100	Horizontal	Pass
4**	6742.642	41.04	54.0	12.96	AV	315.00	100	Horizontal	Pass
5	12962.972	47.27	74.0	26.73	Peak	24.00	200	Horizontal	Pass
5**	12962.972	37.62	54.0	16.38	AV	24.00	200	Horizontal	Pass
6	17365.018	51.79	74.0	22.21	Peak	341.00	300	Horizontal	Pass
6**	17365.018	44.98	54.0	9.02	AV	341.00	300	Horizontal	Pass

GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.324	44.44	74.0	29.56	Peak	61.00	400	Vertical	Pass
1**	1163.324	32.69	54.0	21.31	AV	61.00	400	Vertical	Pass
2	2991.216	50.97	74.0	23.03	Peak	52.00	400	Vertical	Pass
2**	2991.216	39.75	54.0	14.25	AV	52.00	400	Vertical	Pass
3	6804.765	52.59	74.0	21.41	Peak	63.00	200	Vertical	Pass
3**	6804.765	43.37	54.0	10.63	AV	63.00	200	Vertical	Pass
4	7964.410	56.42	74.0	17.58	Peak	356.00	300	Vertical	Pass
4**	7964.410	43.65	54.0	10.35	AV	356.00	300	Vertical	Pass
5	12492.976	49.46	74.0	24.54	Peak	42.00	100	Vertical	Pass
5**	12492.976	40.22	54.0	13.79	AV	42.00	100	Vertical	Pass
6	17100.770	52.48	74.0	21.52	Peak	228.00	200	Vertical	Pass
6**	17100.770	43.66	54.0	10.34	AV	228.00	200	Vertical	Pass

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.241	41.69	74.0	32.31	Peak	322.00	300	Horizontal	Pass
1**	1329.241	32.17	54.0	21.83	AV	322.00	300	Horizontal	Pass
2	2925.737	50.29	74.0	23.71	Peak	236.00	200	Horizontal	Pass
2**	2925.737	41.10	54.0	12.90	AV	236.00	200	Horizontal	Pass
3	4975.943	48.10	74.0	25.90	Peak	357.00	200	Horizontal	Pass
3**	4975.943	39.07	54.0	14.94	AV	357.00	200	Horizontal	Pass
4	6746.777	50.37	74.0	23.63	Peak	303.00	200	Horizontal	Pass
4**	6746.777	40.73	54.0	13.27	AV	303.00	200	Horizontal	Pass
5	12963.122	46.88	74.0	27.12	Peak	165.00	200	Horizontal	Pass
5**	12963.122	37.19	54.0	16.81	AV	165.00	200	Horizontal	Pass
6	17360.867	51.58	74.0	22.42	Peak	252.00	400	Horizontal	Pass
6**	17360.867	41.54	54.0	12.46	AV	252.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.180	44.07	74.0	29.93	Peak	339.00	400	Vertical	Pass
1**	1161.180	32.34	54.0	21.66	AV	339.00	400	Vertical	Pass
2	2989.658	50.73	74.0	23.27	Peak	268.00	300	Vertical	Pass
2**	2989.658	39.41	54.0	14.59	AV	268.00	300	Vertical	Pass
3	6803.389	52.41	74.0	21.59	Peak	130.00	200	Vertical	Pass
3**	6803.389	43.30	54.0	10.70	AV	130.00	200	Vertical	Pass
4	7968.329	56.29	74.0	17.71	Peak	136.00	400	Vertical	Pass
4**	7968.329	42.94	54.0	11.06	AV	136.00	400	Vertical	Pass
5	12489.947	48.82	74.0	25.18	Peak	68.00	200	Vertical	Pass
5**	12489.947	40.05	54.0	13.96	AV	68.00	200	Vertical	Pass
6	17094.494	52.20	74.0	21.80	Peak	129.00	200	Vertical	Pass
6**	17094.494	43.03	54.0	10.97	AV	129.00	200	Vertical	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.465	41.67	74.0	32.33	Peak	34.00	300	Horizontal	Pass
1**	1327.465	32.69	54.0	21.31	AV	34.00	300	Horizontal	Pass
2	2929.967	50.40	74.0	23.60	Peak	135.00	200	Horizontal	Pass
2**	2929.967	41.27	54.0	12.73	AV	135.00	200	Horizontal	Pass
3	4978.919	48.08	74.0	25.92	Peak	19.00	200	Horizontal	Pass
3**	4978.919	39.09	54.0	14.92	AV	19.00	200	Horizontal	Pass
4	6743.749	50.13	74.0	23.87	Peak	297.00	100	Horizontal	Pass
4**	6743.749	40.62	54.0	13.38	AV	297.00	100	Horizontal	Pass
5	12966.236	46.52	74.0	27.48	Peak	187.00	400	Horizontal	Pass
5**	12966.236	37.58	54.0	16.42	AV	187.00	400	Horizontal	Pass
6	17359.113	51.72	74.0	22.28	Peak	326.00	400	Horizontal	Pass
6**	17359.113	41.81	54.0	12.19	AV	326.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.417	44.37	74.0	29.63	Peak	51.00	100	Vertical	Pass
1**	1162.417	32.69	54.0	21.32	AV	51.00	100	Vertical	Pass
2	2993.880	50.91	74.0	23.09	Peak	326.00	300	Vertical	Pass
2**	2993.880	39.67	54.0	14.33	AV	326.00	300	Vertical	Pass
3	6807.470	52.59	74.0	21.42	Peak	154.00	200	Vertical	Pass
3**	6807.470	43.32	54.0	10.68	AV	154.00	200	Vertical	Pass
4	7963.291	56.32	74.0	17.68	Peak	356.00	100	Vertical	Pass
4**	7963.291	43.64	54.0	10.37	AV	356.00	100	Vertical	Pass
5	12493.163	49.42	74.0	24.58	Peak	79.00	100	Vertical	Pass
5**	12493.163	40.14	54.0	13.86	AV	79.00	100	Vertical	Pass
6	17096.749	52.39	74.0	21.61	Peak	206.00	400	Vertical	Pass
6**	17096.749	43.60	54.0	10.40	AV	206.00	400	Vertical	Pass

GFSK (BLE 2Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1287.566	41.99	74.0	32.01	Peak	357.00	300	Horizontal	Pass
1**	1287.566	32.12	54.0	21.88	AV	357.00	300	Horizontal	Pass
2	2770.579	50.39	74.0	23.61	Peak	17.00	400	Horizontal	Pass
2**	2770.579	41.53	54.0	12.47	AV	17.00	400	Horizontal	Pass
3	5165.104	47.93	74.0	26.07	Peak	217.00	200	Horizontal	Pass
3**	5165.104	38.80	54.0	15.21	AV	217.00	200	Horizontal	Pass
4	6809.618	49.90	74.0	24.10	Peak	352.00	400	Horizontal	Pass
4**	6809.618	40.12	54.0	13.88	AV	352.00	400	Horizontal	Pass
5	13468.475	46.93	74.0	27.07	Peak	221.00	200	Horizontal	Pass
5**	13468.475	36.81	54.0	17.19	AV	221.00	200	Horizontal	Pass
6	17463.940	51.16	74.0	22.84	Peak	90.00	200	Horizontal	Pass
6**	17463.940	41.04	54.0	12.96	AV	90.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1288.934	44.40	74.0	29.60	Peak	178.00	100	Vertical	Pass
1**	1288.934	32.65	54.0	21.35	AV	178.00	100	Vertical	Pass
2	2769.446	50.95	74.0	23.05	Peak	335.00	100	Vertical	Pass
2**	2769.446	39.67	54.0	14.33	AV	335.00	100	Vertical	Pass
3	5170.606	52.56	74.0	21.45	Peak	290.00	200	Vertical	Pass
3**	5170.606	43.33	54.0	10.67	AV	290.00	200	Vertical	Pass
4	6805.733	56.39	74.0	17.61	Peak	150.00	100	Vertical	Pass
4**	6805.733	43.62	54.0	10.38	AV	150.00	100	Vertical	Pass
5	13467.152	49.43	74.0	24.57	Peak	88.00	400	Vertical	Pass
5**	13467.152	40.14	54.0	13.86	AV	88.00	400	Vertical	Pass
6	17466.626	52.42	74.0	21.58	Peak	162.00	100	Vertical	Pass
6**	17466.626	43.66	54.0	10.34	AV	162.00	100	Vertical	Pass

GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1283.196	41.79	74.0	32.21	Peak	301.00	300	Horizontal	Pass
1**	1283.196	32.58	54.0	21.42	AV	301.00	300	Horizontal	Pass
2	2774.505	50.35	74.0	23.65	Peak	45.00	300	Horizontal	Pass
2**	2774.505	41.38	54.0	12.62	AV	45.00	300	Horizontal	Pass
3	5164.142	47.96	74.0	26.04	Peak	173.00	200	Horizontal	Pass
3**	5164.142	38.51	54.0	15.50	AV	173.00	200	Horizontal	Pass
4	6807.429	50.27	74.0	23.73	Peak	146.00	400	Horizontal	Pass
4**	6807.429	40.64	54.0	13.36	AV	146.00	400	Horizontal	Pass
5	13466.257	46.57	74.0	27.43	Peak	272.00	100	Horizontal	Pass
5**	13466.257	37.39	54.0	16.61	AV	272.00	100	Horizontal	Pass
6	17465.240	51.24	74.0	22.76	Peak	304.00	300	Horizontal	Pass
6**	17465.240	41.27	54.0	12.73	AV	304.00	300	Horizontal	Pass

GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1287.320	44.38	74.0	29.63	Peak	4.00	100	Vertical	Pass
1**	1287.320	32.66	54.0	21.34	AV	4.00	100	Vertical	Pass
2	2770.307	50.90	74.0	23.10	Peak	83.00	300	Vertical	Pass
2**	2770.307	39.72	54.0	14.28	AV	83.00	300	Vertical	Pass
3	5163.851	52.59	74.0	21.41	Peak	19.00	200	Vertical	Pass
3**	5163.851	43.28	54.0	10.73	AV	19.00	200	Vertical	Pass
4	6804.469	56.35	74.0	17.65	Peak	138.00	200	Vertical	Pass
4**	6804.469	43.56	54.0	10.45	AV	138.00	200	Vertical	Pass
5	13469.435	49.36	74.0	24.64	Peak	206.00	200	Vertical	Pass
5**	13469.435	40.17	54.0	13.83	AV	206.00	200	Vertical	Pass
6	17463.626	52.44	74.0	21.56	Peak	120.00	300	Vertical	Pass
6**	17463.626	43.63	54.0	10.37	AV	120.00	300	Vertical	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.442	41.89	74.0	32.11	Peak	56.00	400	Horizontal	Pass
1**	1284.442	32.60	54.0	21.40	AV	56.00	400	Horizontal	Pass
2	2772.488	50.40	74.0	23.60	Peak	265.00	400	Horizontal	Pass
2**	2772.488	41.20	54.0	12.80	AV	265.00	400	Horizontal	Pass
3	5389.062	48.02	74.0	25.98	Peak	98.00	200	Horizontal	Pass
3**	5389.062	39.17	54.0	14.84	AV	98.00	200	Horizontal	Pass
4	6513.871	49.75	74.0	24.25	Peak	142.00	400	Horizontal	Pass
4**	6513.871	40.56	54.0	13.44	AV	142.00	400	Horizontal	Pass
5	13349.973	46.31	74.0	27.69	Peak	261.00	100	Horizontal	Pass
5**	13349.973	36.77	54.0	17.23	AV	261.00	100	Horizontal	Pass
6	17444.888	51.62	74.0	22.38	Peak	161.00	200	Horizontal	Pass
6**	17444.888	40.98	54.0	13.02	AV	161.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1285.269	44.41	74.0	29.59	Peak	317.00	400	Vertical	Pass
1**	1285.269	32.60	54.0	21.40	AV	317.00	400	Vertical	Pass
2	2768.142	50.87	74.0	23.13	Peak	64.00	100	Vertical	Pass
2**	2768.142	39.65	54.0	14.35	AV	64.00	100	Vertical	Pass
3	5288.455	52.50	74.0	21.50	Peak	283.00	200	Vertical	Pass
3**	5288.455	43.28	54.0	10.72	AV	283.00	200	Vertical	Pass
4	6658.446	56.38	74.0	17.62	Peak	85.00	400	Vertical	Pass
4**	6658.446	43.55	54.0	10.45	AV	85.00	400	Vertical	Pass
5	13311.073	49.44	74.0	24.56	Peak	184.00	300	Vertical	Pass
5**	13311.073	40.18	54.0	13.83	AV	184.00	300	Vertical	Pass
6	17418.593	52.47	74.0	21.53	Peak	360.00	200	Vertical	Pass
6**	17418.593	43.61	54.0	10.39	AV	360.00	200	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

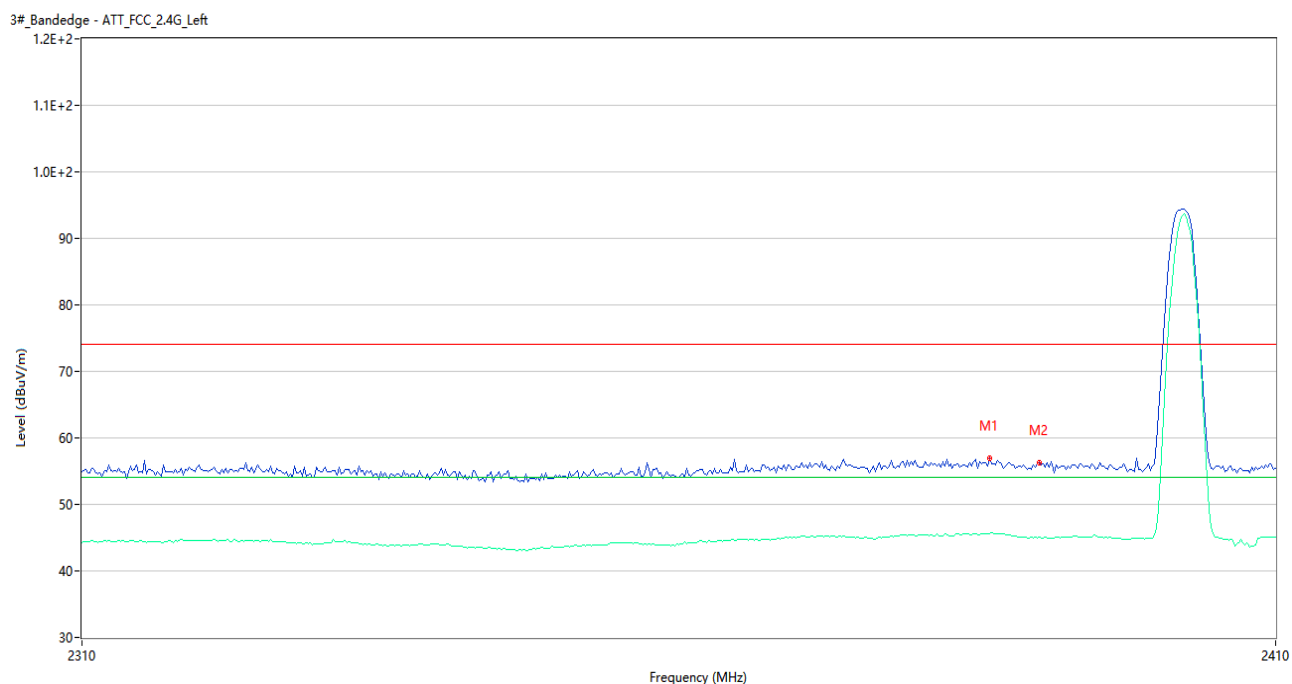
Note ³: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note ⁴: The Level (dBuV/m) has been corrected by factor.

Note ⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

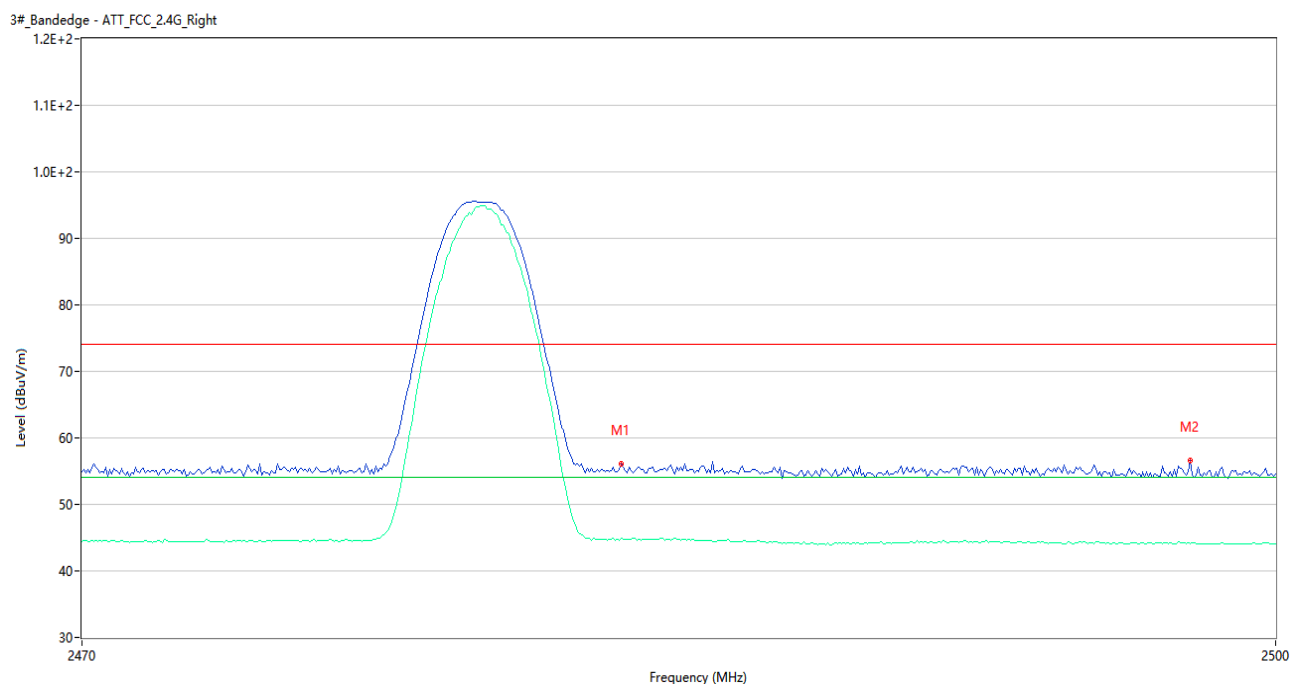
Test Data and Plots

GFSK (BLE 1Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2384.784	57.02	74.0	16.98	Peak	310.00	300	Horizontal	Pass
1**	2384.784	42.98	54.0	11.02	AV	310.00	300	Horizontal	Pass
2	2390.000	53.90	74.0	20.10	Peak	119.00	200	Horizontal	Pass
2**	2390.000	44.87	54.0	9.13	AV	119.00	200	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	55.47	74.0	18.53	Peak	360.00	300	Horizontal	Pass
1**	2483.500	42.02	54.0	11.98	AV	360.00	300	Horizontal	Pass
2	2391.751	55.11	74.0	18.89	Peak	358.00	300	Horizontal	Pass
2**	2391.751	44.67	54.0	9.33	AV	358.00	300	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2349.587	52.50	74.0	21.50	Peak	336.00	300	Horizontal	Pass
1**	2349.587	44.40	54.0	9.60	AV	336.00	300	Horizontal	Pass
2	2390.000	52.42	74.0	21.58	Peak	34.00	200	Horizontal	Pass
2**	2390.000	40.50	54.0	13.50	AV	34.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.88	74.0	19.12	Peak	44.00	100	Horizontal	Pass
1**	2483.500	43.60	54.0	10.40	AV	44.00	100	Horizontal	Pass
2	2491.219	55.57	74.0	18.43	Peak	195.00	300	Horizontal	Pass
2**	2491.219	43.49	54.0	10.51	AV	195.00	300	Horizontal	Pass

A.8 Power Spectral Density (PSD)

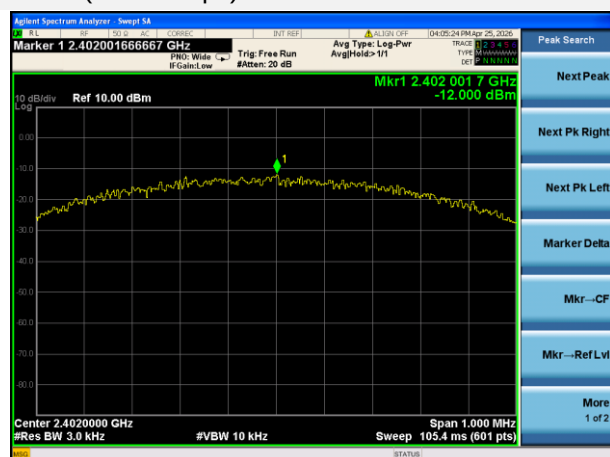
Test Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-12.00	8	Pass
Middle Channel	-11.31	8	Pass
High Channel	-10.88	8	Pass

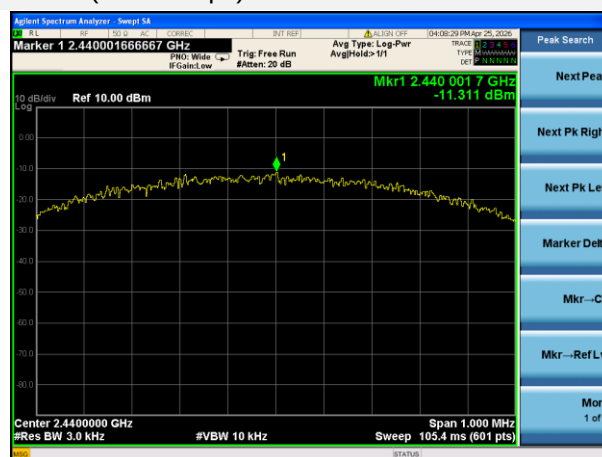
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-15.32	8	Pass
Middle Channel	-15.21	8	Pass
High Channel	-14.25	8	Pass

Test Plots

GFSK (BLE 1Mbps) LOW CHANNEL



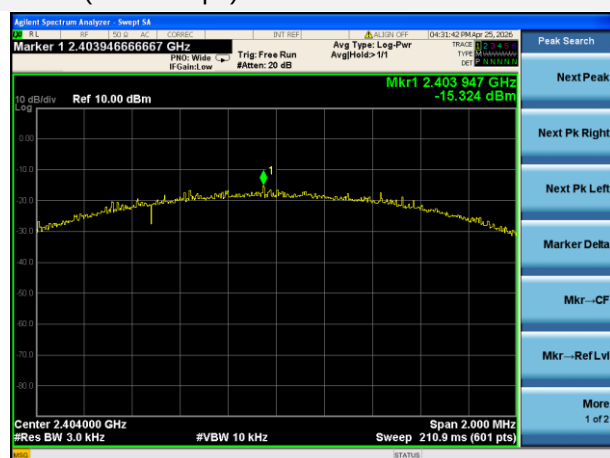
GFSK (BLE 1Mbps) MIDDLE CHANNEL



GFSK (BLE 1Mbps) HIGH CHANNEL



GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



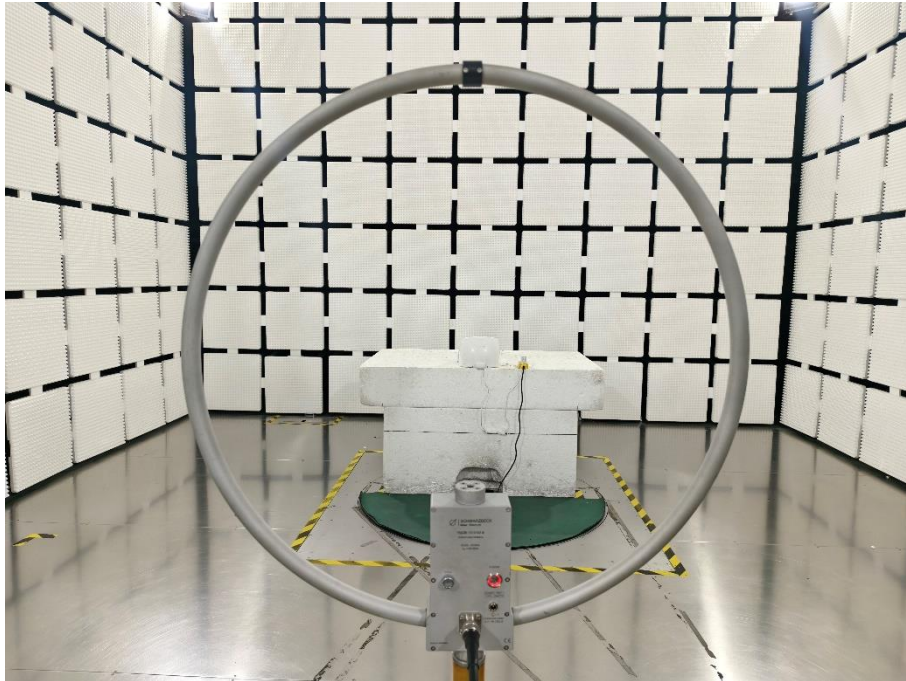
GFSK (BLE 2Mbps) HIGH CHANNEL



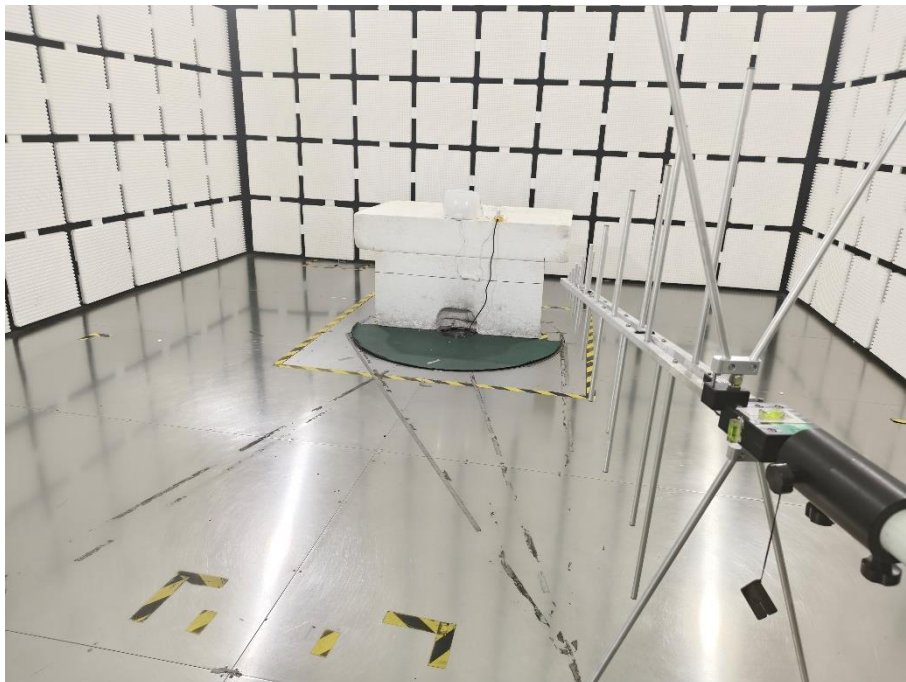
ANNEX B TEST SETUP PHOTOS

1 Radiated Test Photo

Below 30MHz



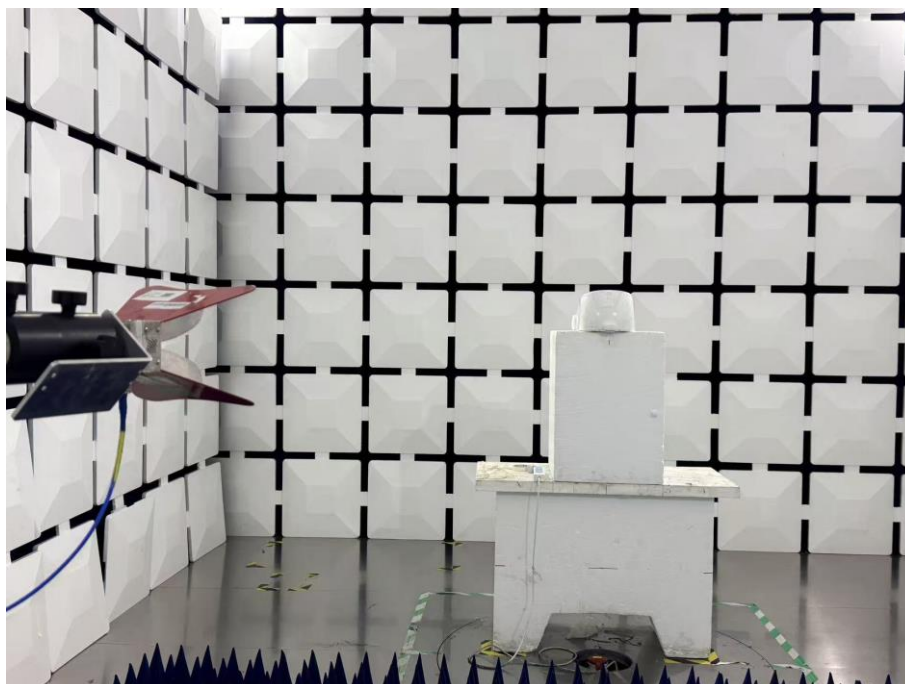
30MHz-1GHz



Close-up



Above 1GHz



Close-up



2 Conducted Test Photo

Conducted Test-BT/WIFI



3 Conducted Emissions

Test Photo 1

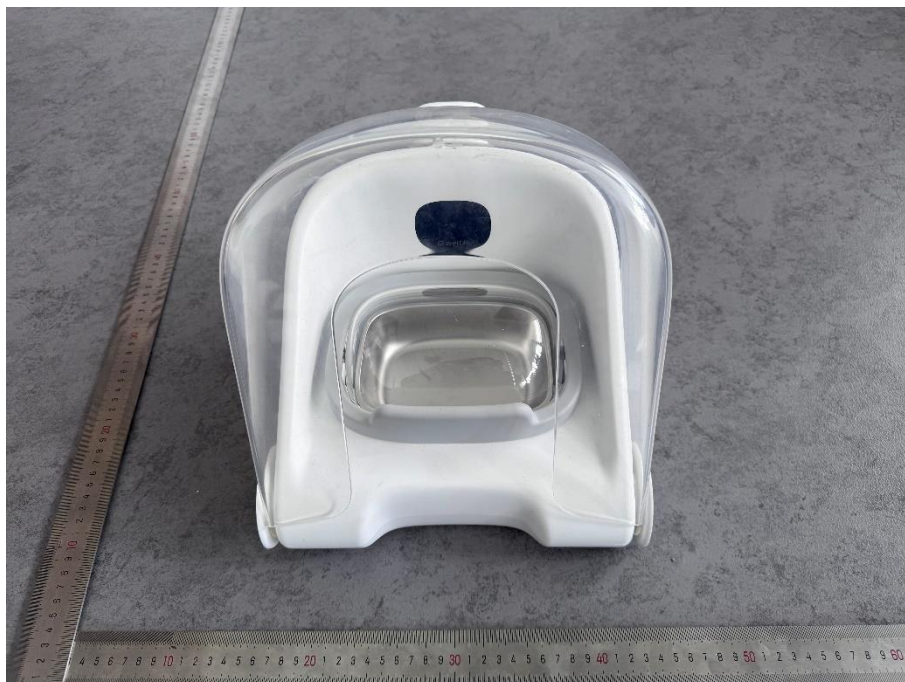


Test Photo 2



ANNEX C EUT EXTERNAL PHOTOS

FRONT VIEW OF EUT



REAR VIEW OF EUT



LEFT VIEW OF EUT



RIGHT VIEW OF EUT



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



CLOSE-UP



Accessory-Adapter

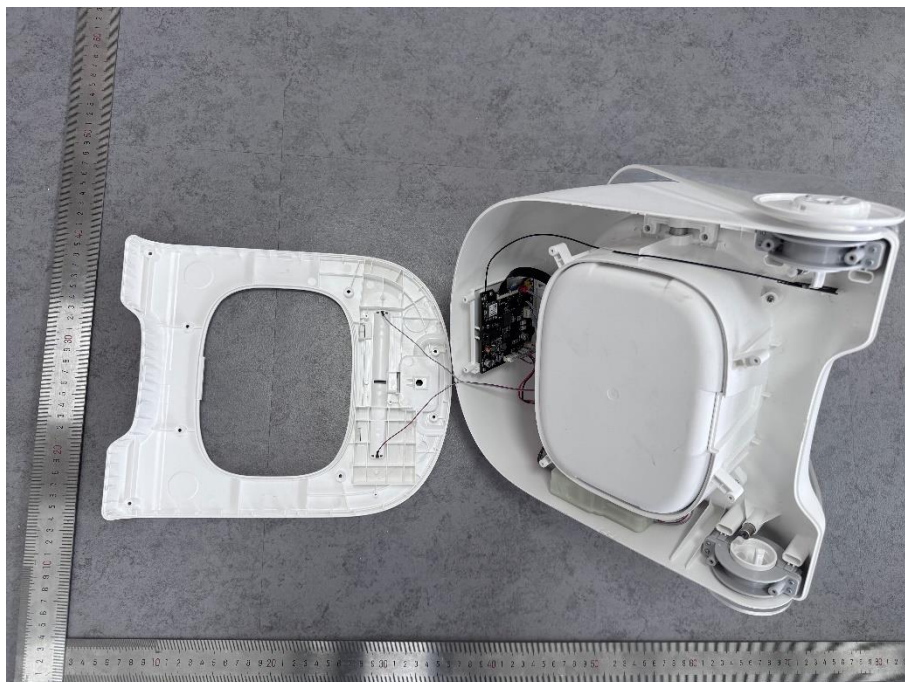


CLOSE-UP



ANNEX D EUT INTERNAL PHOTOS

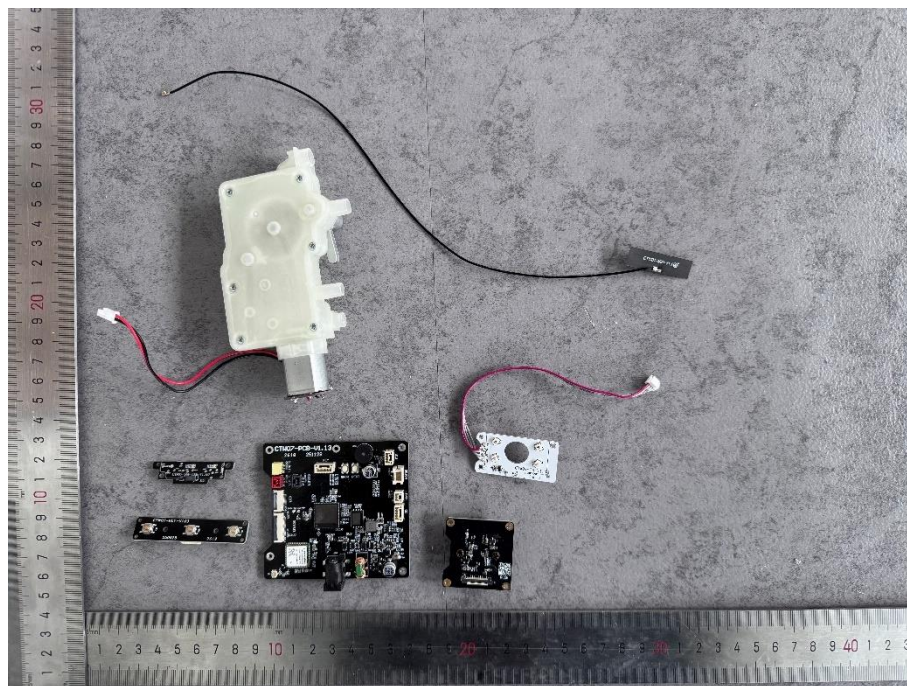
EUT UNCOVER VIEW 1



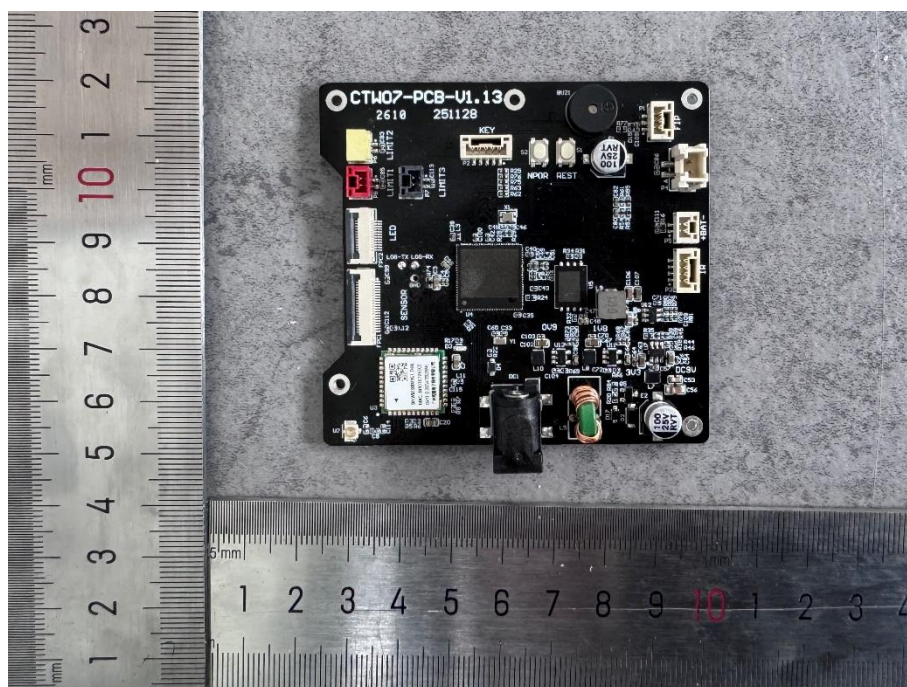
CLOSE-UP



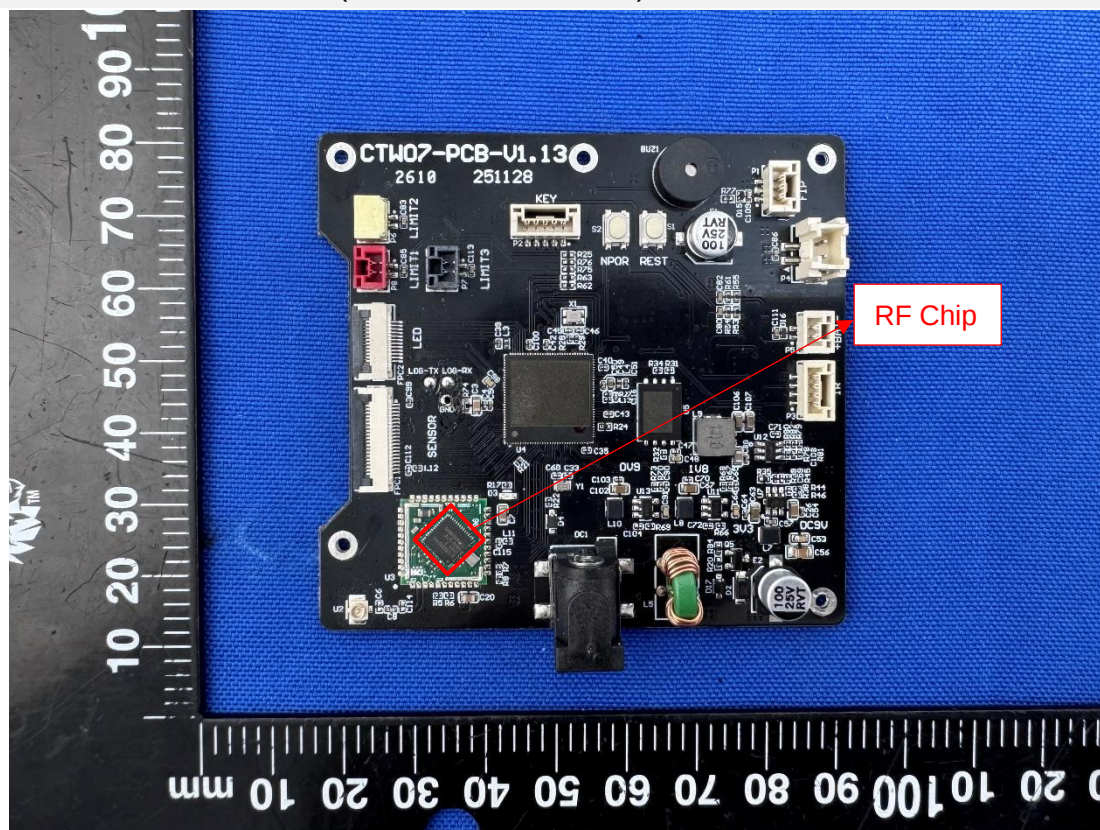
EUT UNCOVER VIEW 2



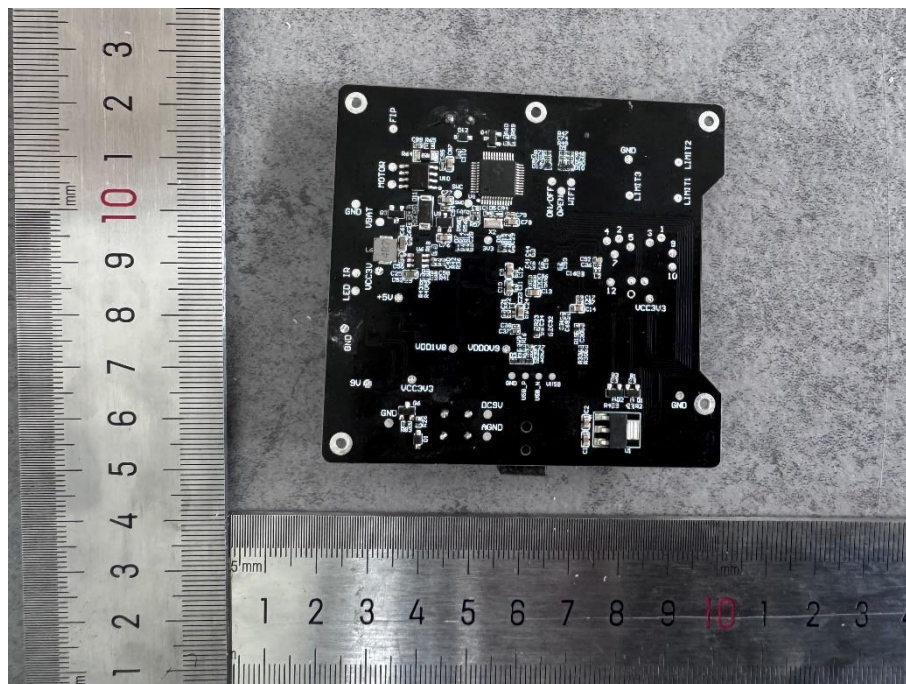
MAIN BOARD TOP VIEW (WITH SHIELDING)



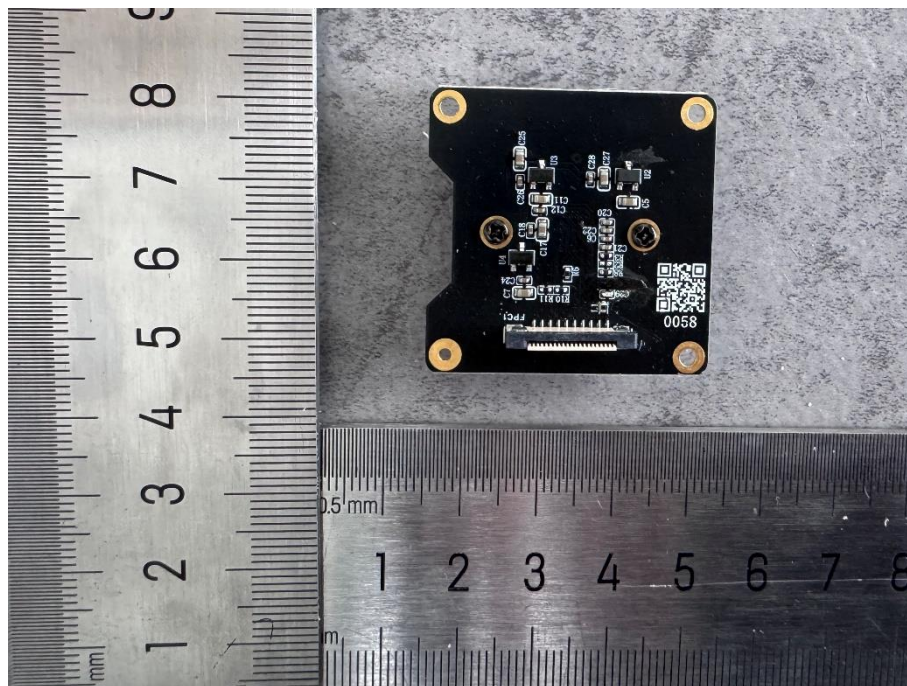
MAIN BOARD TOP VIEW (WITHOUT SHIELDING)



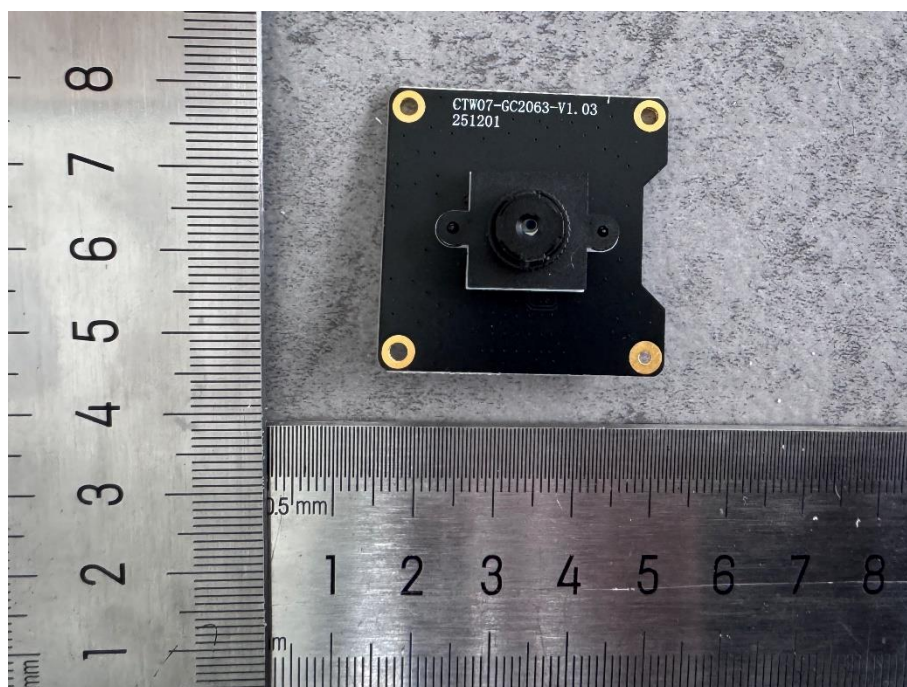
MAIN BOARD REAR VIEW (WITHOUT SHIELDING)



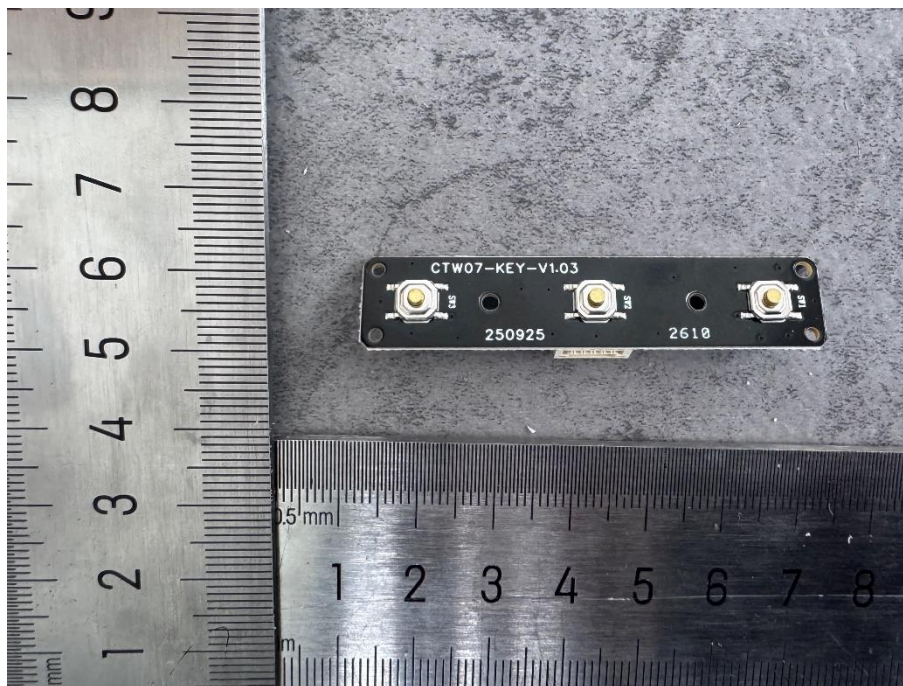
MAIN BOARD TOP VIEW



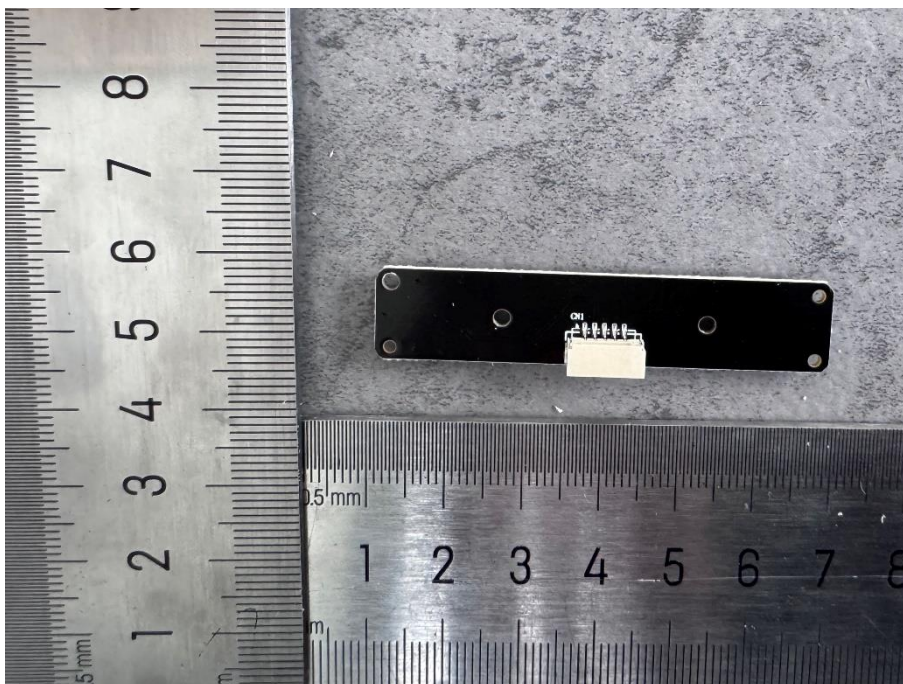
MAIN BOARD REAR VIEW



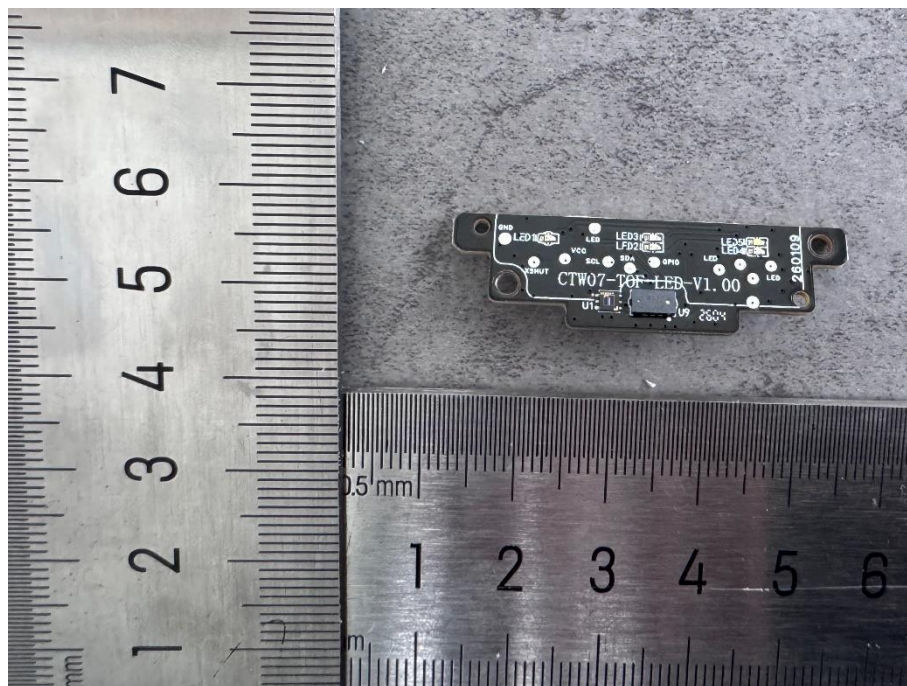
SECONDARY BOARD 1 TOP VIEW



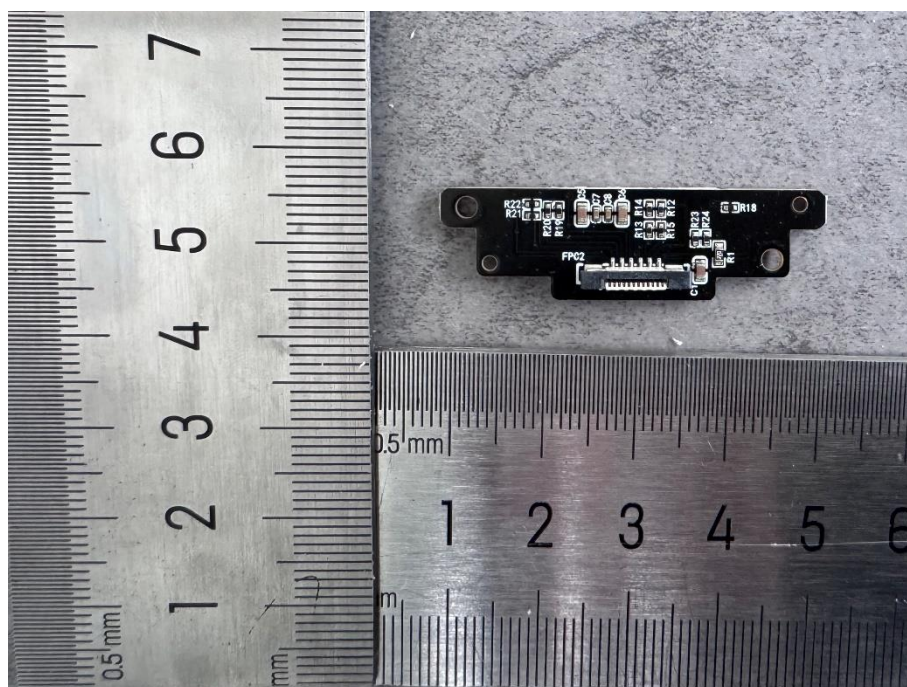
SECONDARY BOARD 1 REAR VIEW



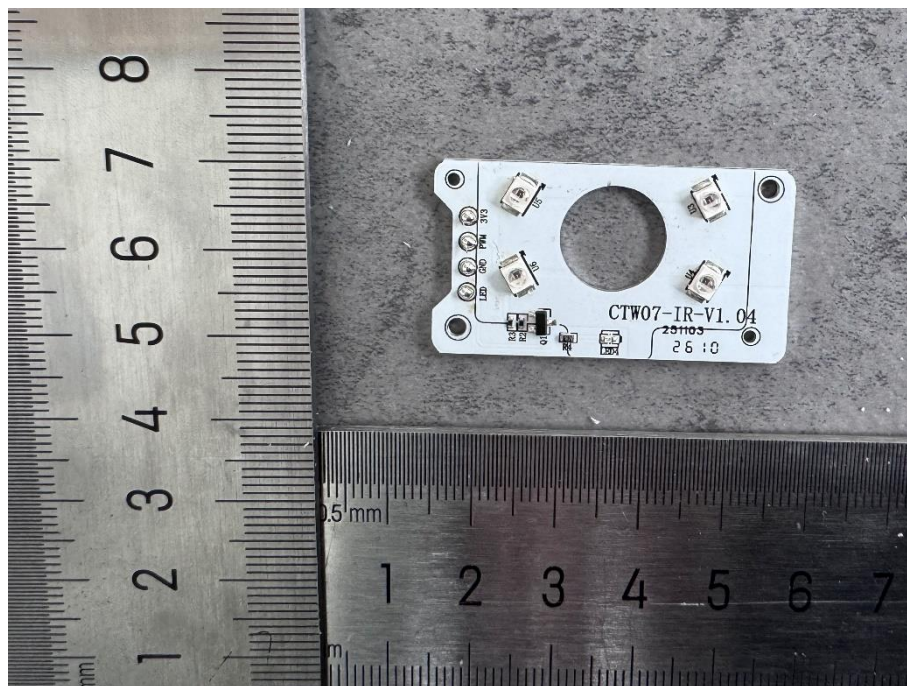
SECONDARY BOARD 2 TOP VIEW



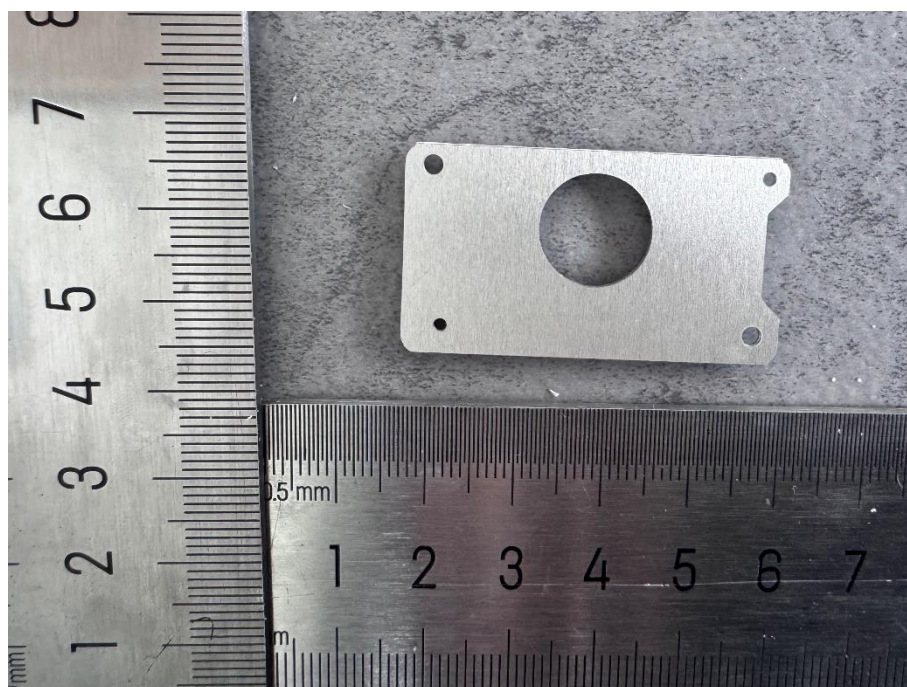
SECONDARY BOARD 2 REAR VIEW



SECONDARY BOARD 3 TOP VIEW



SECONDARY BOARD 3 REAR VIEW



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--END OF REPORT--