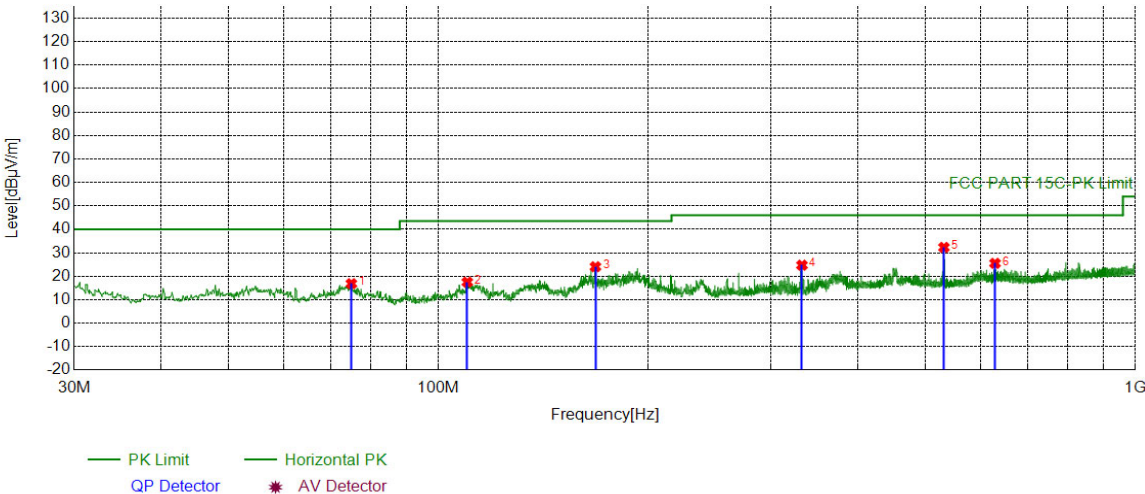
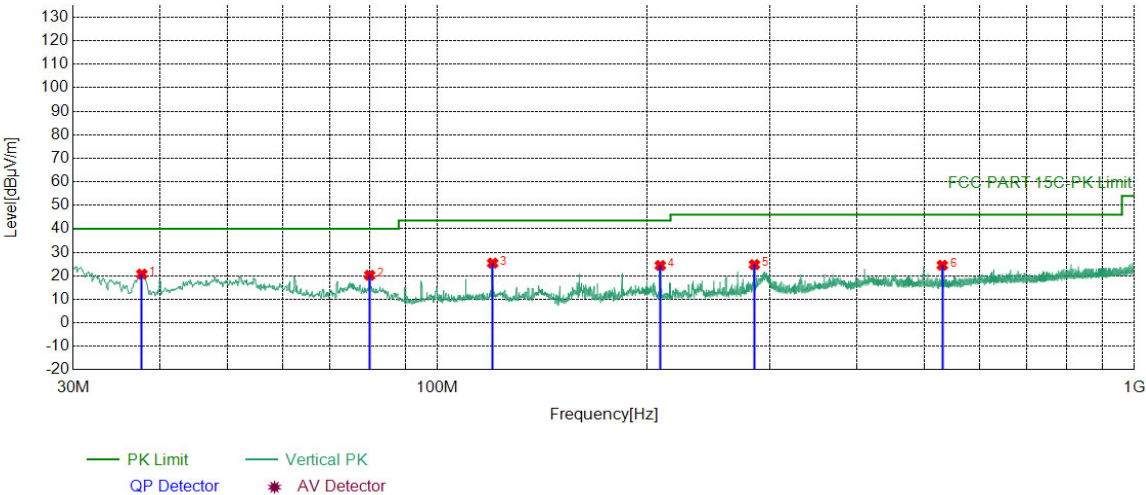


Right ear:
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	75.0125	-21.68	38.53	16.85	40.00	23.15	PASS	Vertical	PK
2	110.0330	-18.39	35.88	17.49	43.50	26.01	PASS	Vertical	PK
3	168.0448	-20.59	44.65	24.06	43.50	19.44	PASS	Vertical	PK
4	332.4762	-14.64	39.36	24.72	46.00	21.28	PASS	Vertical	PK
5	531.4431	-10.22	42.53	32.31	46.00	13.69	PASS	Vertical	PK
6	629.2289	-8.42	33.94	25.52	46.00	20.48	PASS	Vertical	PK

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	37.6638	-18.77	39.51	20.74	40.00	19.26	PASS	Horizontal	PK
2	79.9600	-22.56	42.80	20.24	40.00	19.76	PASS	Horizontal	PK
3	120.0250	-20.08	45.48	25.40	43.50	18.10	PASS	Horizontal	PK
4	208.8859	-17.63	42.03	24.40	43.50	19.10	PASS	Horizontal	PK
5	285.0385	-15.83	40.60	24.77	46.00	21.23	PASS	Horizontal	PK
6	530.3760	-10.24	34.75	24.51	46.00	21.49	PASS	Horizontal	PK

Radiated Spurious Emission above 1GHz:

During the test, the Radiates Emission was performed in all modes, only the worst case left ear was recorded in the report:

Mode:			BLE GFSK Transmitting			Channel:		2402 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1237.4237	0.90	42.94	43.84	74.00	30.16	Pass	H	PK
2	1704.4704	2.96	42.25	45.21	74.00	28.79	Pass	H	PK
3	4804.1203	-16.23	72.59	56.36	74.00	17.64	Pass	H	PK
4	4805.1203	-16.23	66.06	49.83	54.00	4.17	Pass	H	AV
5	7206.2804	-11.83	57.09	45.26	54.00	8.74	Pass	H	AV
6	7206.2804	-11.83	66.72	54.89	74.00	19.11	Pass	H	PK
7	10422.4948	-6.33	52.34	46.01	74.00	27.99	Pass	H	PK
8	14392.7595	1.10	49.64	50.74	74.00	23.26	Pass	H	PK
9	1200.8201	0.80	43.68	44.48	74.00	29.52	Pass	V	PK
10	1864.8865	3.77	41.67	45.44	74.00	28.56	Pass	V	PK
11	4803.1202	-16.23	67.73	51.50	74.00	22.50	Pass	V	PK
12	7205.2804	-11.83	68.77	56.94	74.00	17.06	Pass	V	PK
13	7206.2804	-11.83	56.77	44.94	54.00	9.06	Pass	V	AV
14	10691.5128	-6.48	53.66	47.18	74.00	26.82	Pass	V	PK
15	13732.7155	-1.72	51.79	50.07	74.00	23.93	Pass	V	PK

Mode:			BLE GFSK Transmitting			Channel:		2440 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1325.0325	1.14	42.93	44.07	74.00	29.93	Pass	H	PK
2	1864.2864	3.76	41.81	45.57	74.00	28.43	Pass	H	PK
3	4879.1253	-16.21	72.14	55.93	74.00	18.07	Pass	H	PK
4	7319.2880	-11.66	67.09	55.43	74.00	18.57	Pass	H	PK
5	12550.6367	-4.47	53.77	49.30	74.00	24.70	Pass	H	PK
6	16341.8895	0.81	51.25	52.06	74.00	21.94	Pass	H	PK
7	1395.6396	1.38	42.65	44.03	74.00	29.97	Pass	V	PK
8	1996.6997	4.53	41.67	46.20	74.00	27.80	Pass	V	PK
9	4880.1253	-16.21	65.96	49.75	74.00	24.25	Pass	V	PK
10	7321.2881	-11.65	68.08	56.43	74.00	17.57	Pass	V	PK
11	7321.2881	-11.65	54.67	43.02	54.00	10.98	Pass	V	AV
12	9758.4506	-7.52	53.93	46.41	74.00	27.59	Pass	V	PK
13	13679.7120	-1.74	50.90	49.16	74.00	24.84	Pass	V	PK

Mode:			BLE GFSK Transmitting			Channel:		2480 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1296.0296	1.05	42.79	43.84	74.00	30.16	Pass	H	PK
2	1991.0991	4.50	44.10	48.60	74.00	25.40	Pass	H	PK
3	4959.1306	-15.98	71.73	55.75	74.00	18.25	Pass	H	PK
4	4961.1307	-15.97	65.02	49.05	54.00	4.95	Pass	H	AV
5	7441.2961	-11.34	67.69	56.35	74.00	17.65	Pass	H	PK
6	7441.2961	-11.34	56.94	45.60	54.00	8.40	Pass	H	AV
7	10599.5066	-6.59	52.73	46.14	74.00	27.86	Pass	H	PK
8	13728.7152	-1.73	51.56	49.83	74.00	24.17	Pass	H	PK
9	1240.2240	0.90	43.68	44.58	74.00	29.42	Pass	V	PK
10	1868.8869	3.80	41.67	45.47	74.00	28.53	Pass	V	PK
11	4960.1307	-15.97	66.84	50.87	74.00	23.13	Pass	V	PK
12	7441.2961	-11.34	66.46	55.12	74.00	18.88	Pass	V	PK
13	9919.4613	-7.10	53.11	46.01	74.00	27.99	Pass	V	PK
14	14387.7592	1.02	49.27	50.29	74.00	23.71	Pass	V	PK

Remark:

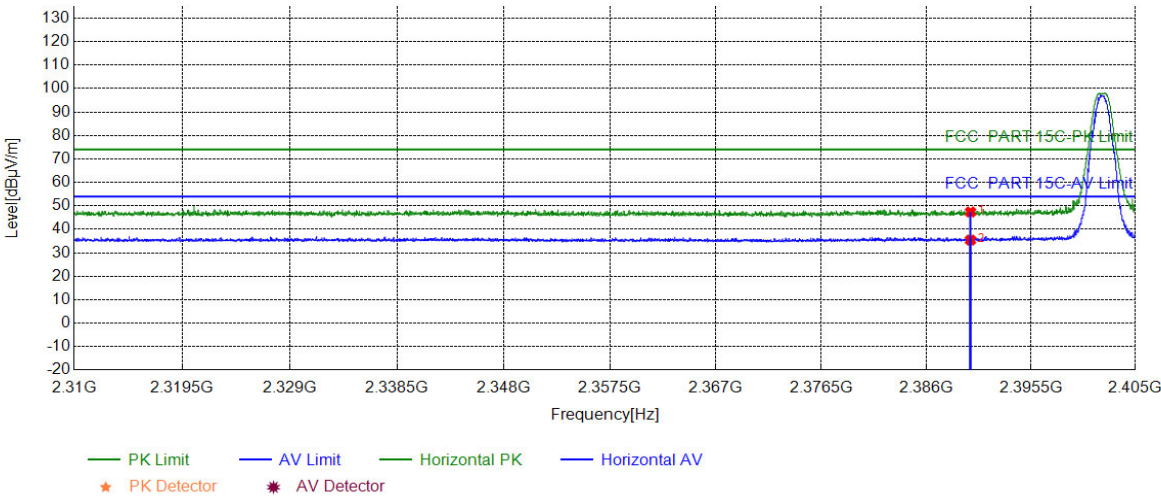
- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Factor
 Factor = Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

Restricted bands:

Test plot as follows:

Mode:	BLE GFSK Transmitting	Channel:	2402 MHz
Remark:	Left ear		

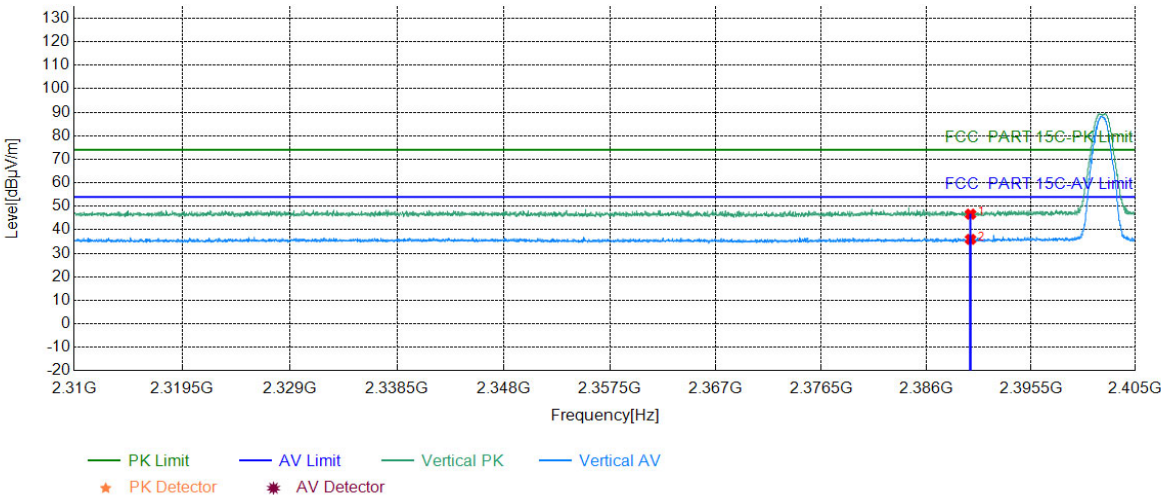
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390.0000	5.77	41.63	47.40	74.00	26.60	PASS	Horizontal	PK
2	2390.0000	5.77	29.66	35.43	54.00	18.57	PASS	Horizontal	AV

Mode:	BLE GFSK Transmitting	Channel:	2402 MHz
Remark:	Left ear		

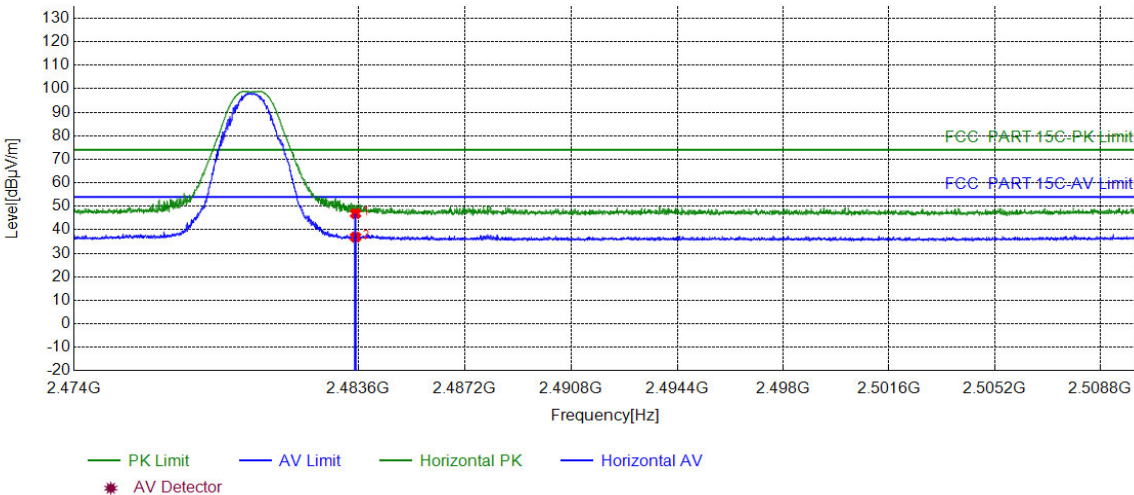
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390.0000	5.77	40.88	46.65	74.00	27.35	PASS	Vertical	PK
2	2390.0000	5.77	30.16	35.93	54.00	18.07	PASS	Vertical	AV

Mode:	BLE GFSK Transmitting	Channel:	2480 MHz
Remark:	Left ear		

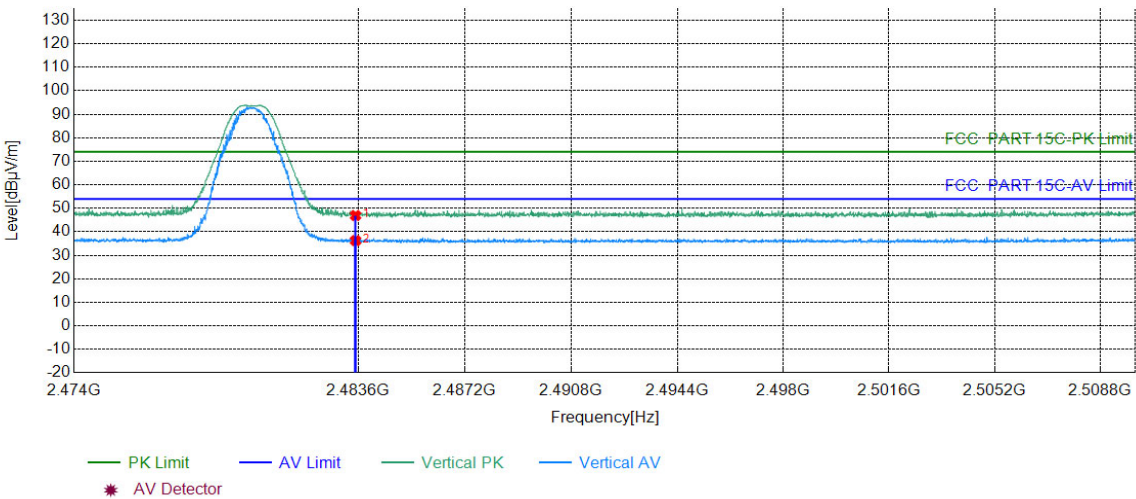
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5000	6.57	40.36	46.93	74.00	27.07	PASS	Horizontal	PK
2	2483.5000	6.57	30.33	36.90	54.00	17.10	PASS	Horizontal	AV

Mode:	BLE GFSK Transmitting	Channel:	2480 MHz
Remark:	Left ear		

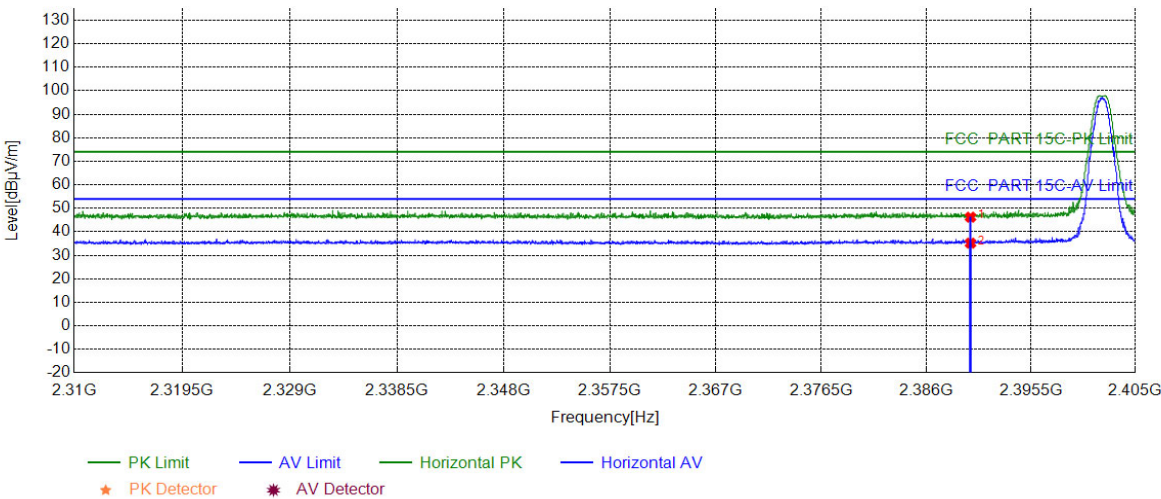
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5000	6.57	40.37	46.94	74.00	27.06	PASS	Vertical	PK
2	2483.5000	6.57	29.69	36.26	54.00	17.74	PASS	Vertical	AV

Mode:	BLE GFSK Transmitting	Channel:	2402 MHz
Remark:	Right ear		

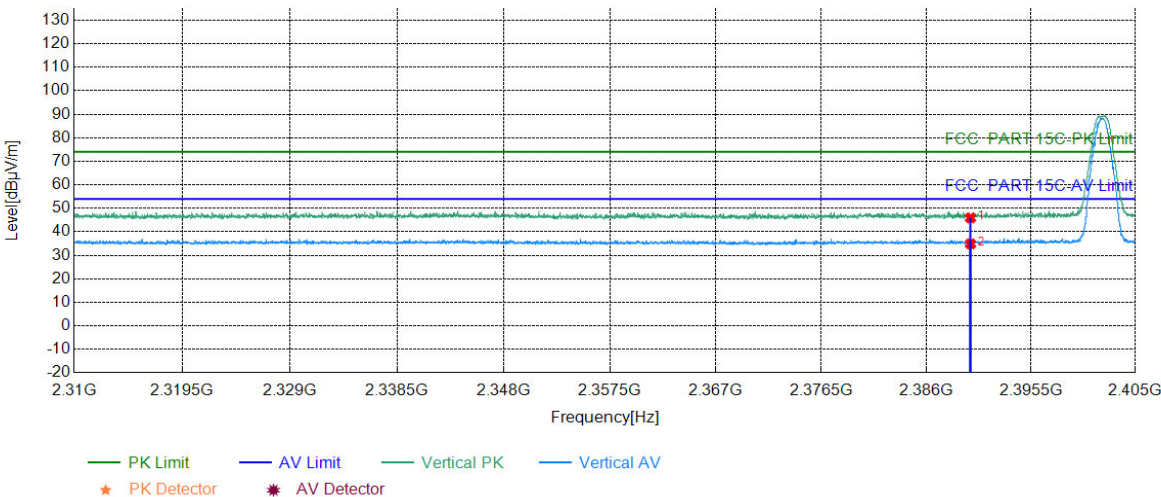
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390.0000	5.77	40.46	46.23	74.00	27.77	PASS	Horizontal	PK
2	2390.0000	5.77	29.41	35.18	54.00	18.82	PASS	Horizontal	AV

Mode:	BLE GFSK Transmitting	Channel:	2402 MHz
Remark:	Right ear		

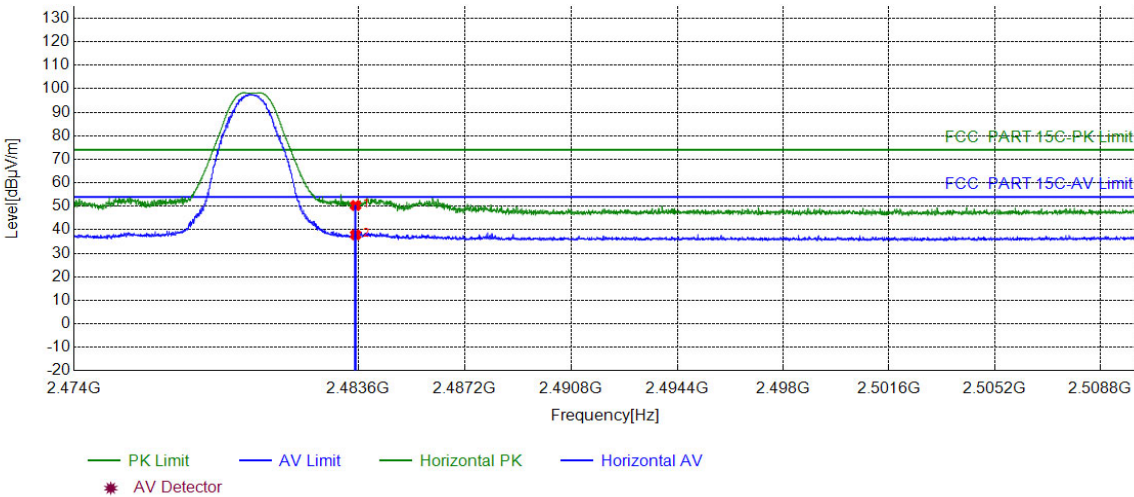
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2390.0000	5.77	40.16	45.93	74.00	28.07	PASS	Vertical	PK
2	2390.0000	5.77	29.10	34.87	54.00	19.13	PASS	Vertical	AV

Mode:	BLE GFSK Transmitting	Channel:	2480 MHz
Remark:	Right ear		

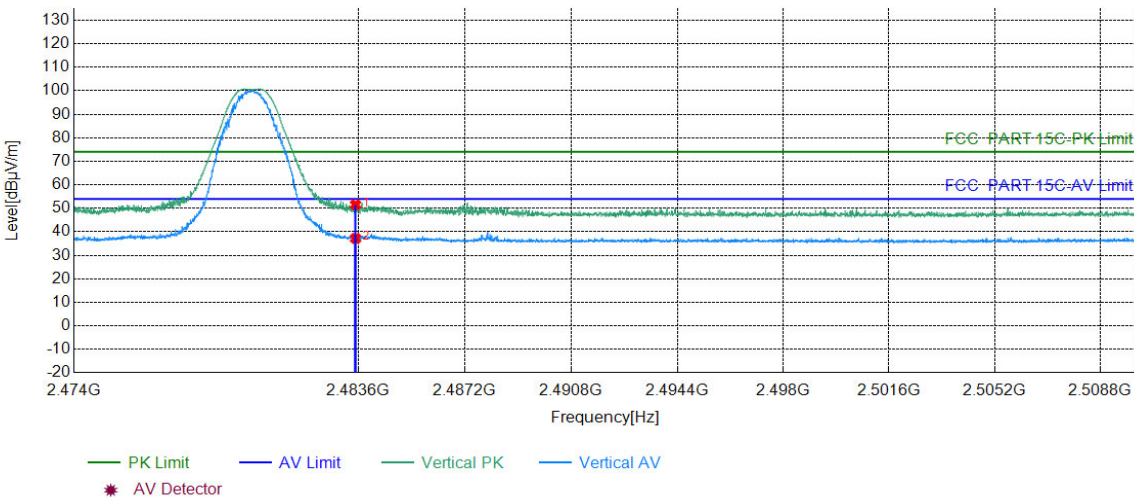
Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5000	6.57	43.77	50.34	74.00	23.66	PASS	Horizontal	PK
2	2483.5000	6.57	31.30	37.87	54.00	16.13	PASS	Horizontal	AV

Mode:	BLE GFSK Transmitting	Channel:	2480 MHz
Remark:	Right ear		

Test Graph



NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2483.5000	6.57	44.95	51.52	74.00	22.48	PASS	Vertical	PK
2	2483.5000	6.57	30.63	37.20	54.00	16.80	PASS	Vertical	AV

Note:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Factor
Factor=Antenna Factor + Cable Factor – Preamplifier Factor

7 Appendix A

Refer to Appendix: Bluetooth LE of EED32N81130401.