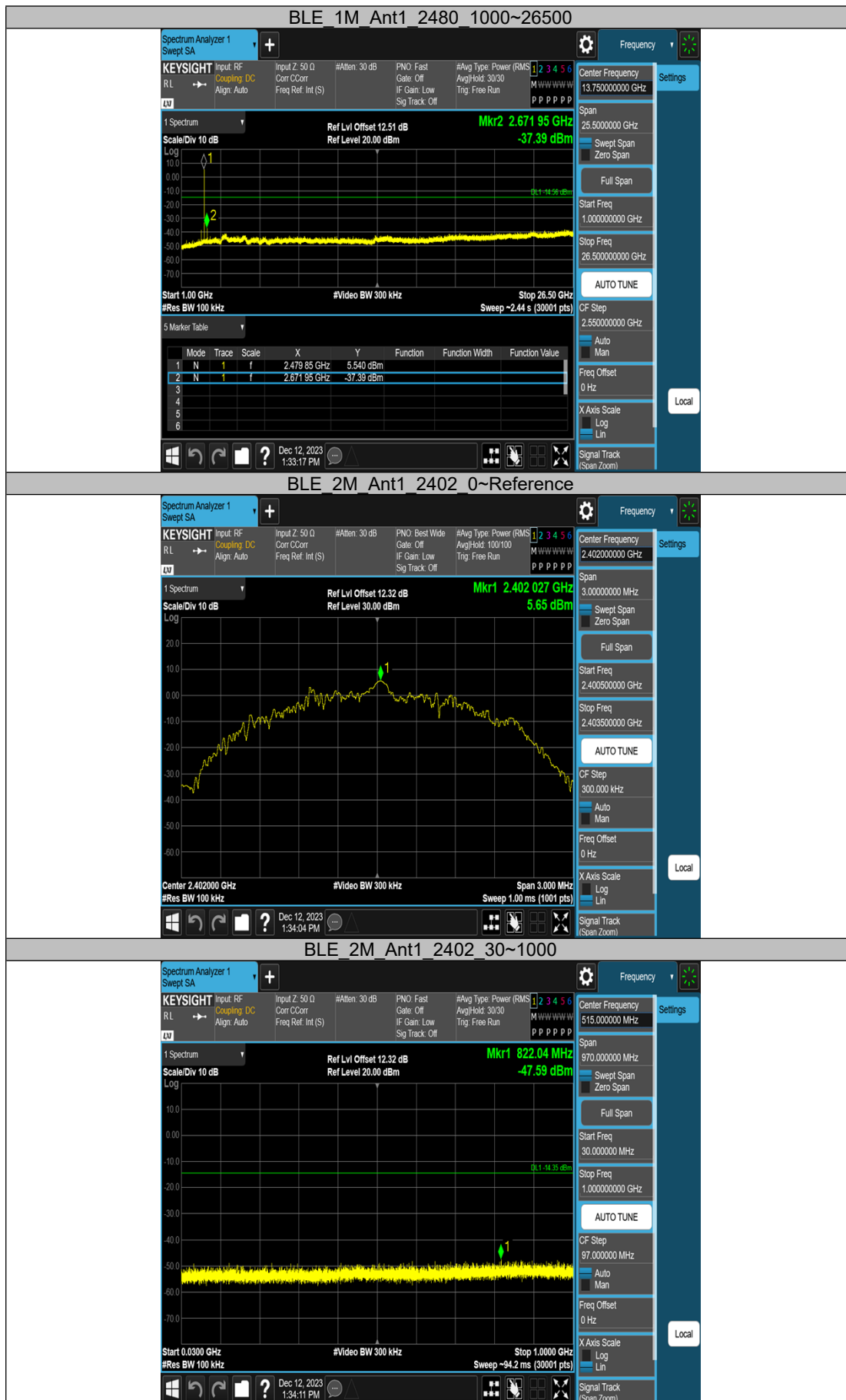
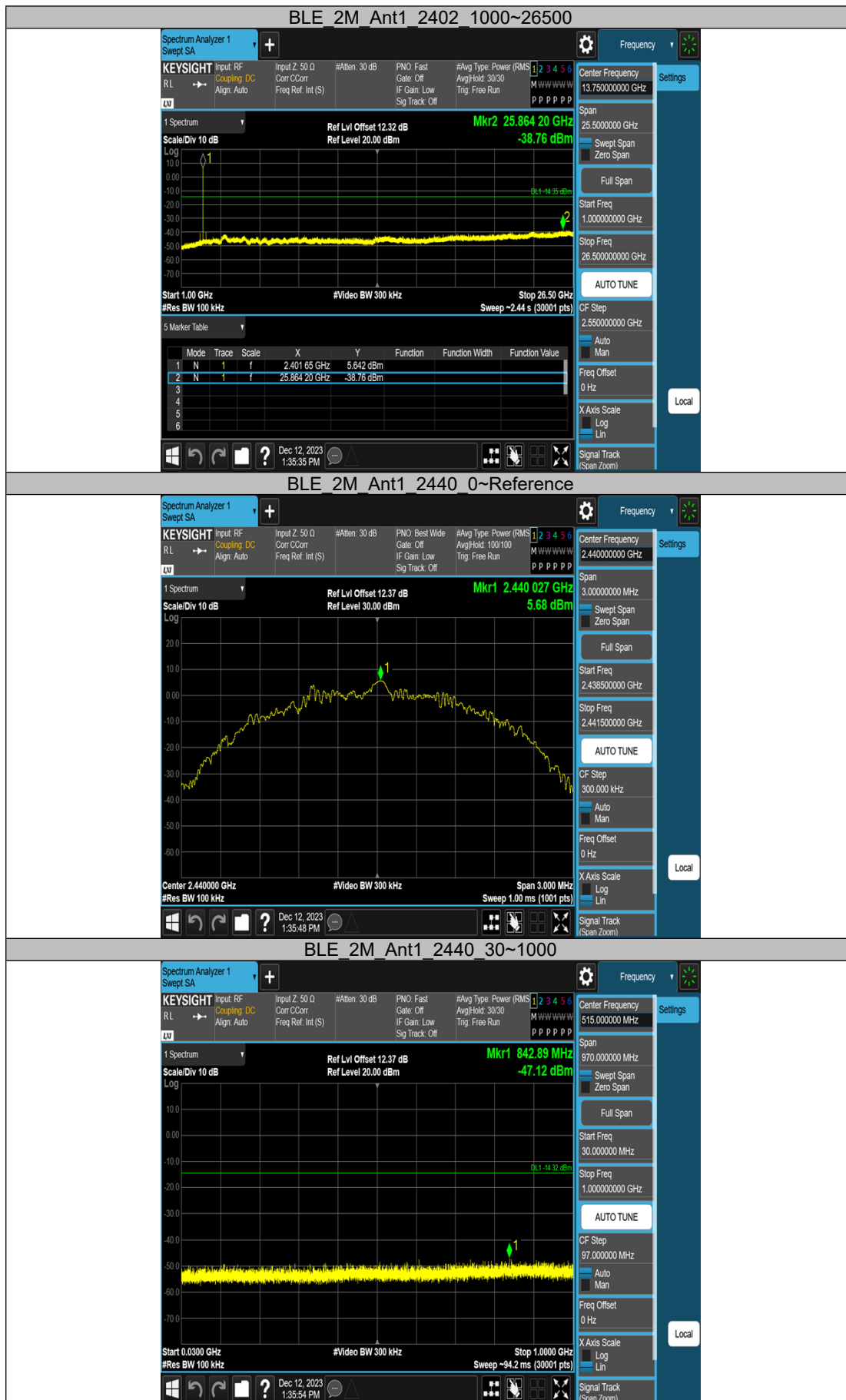
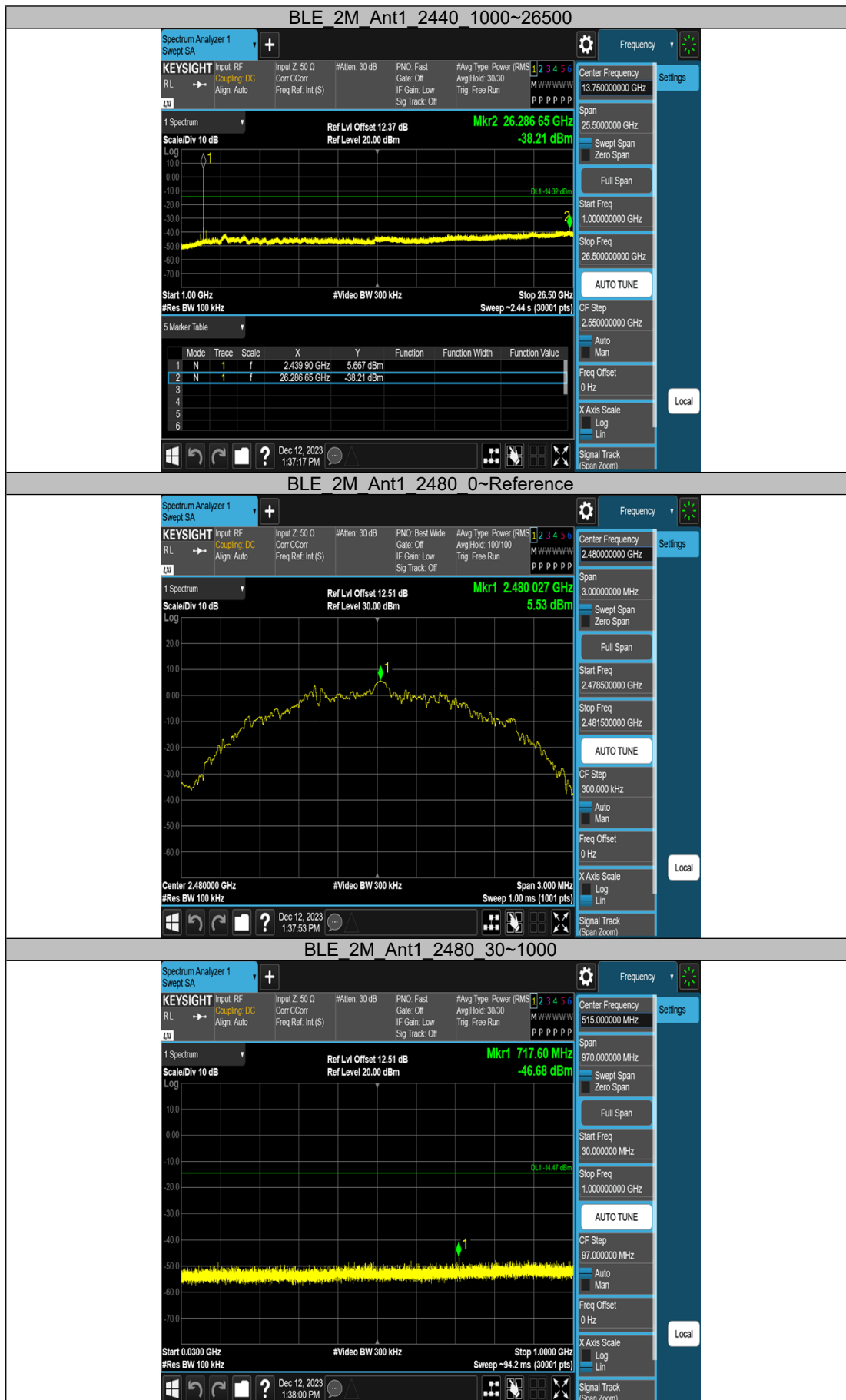










Appendix B.5: Test Results of Radiated Spurious Emissions

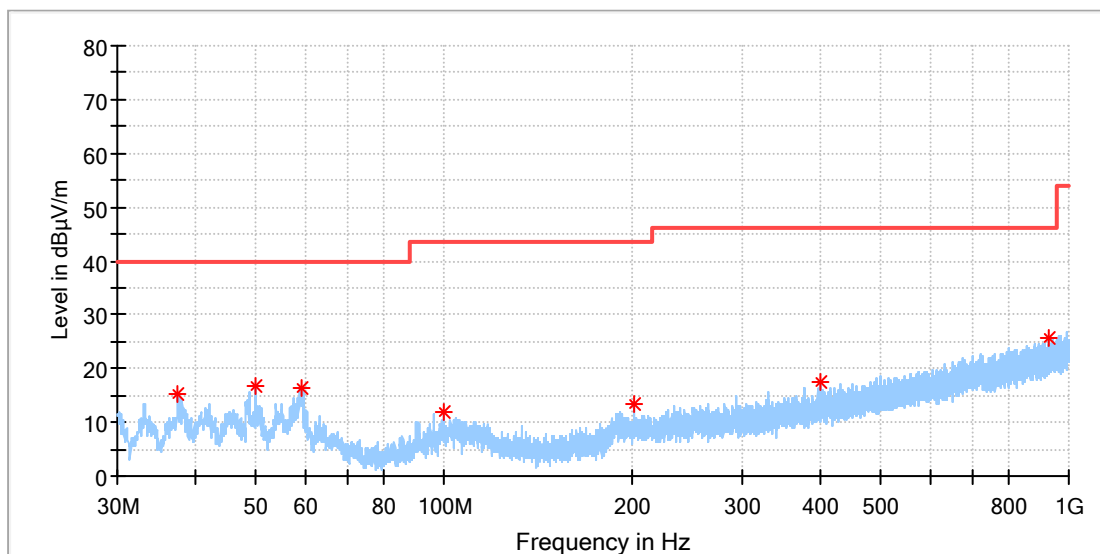
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

EUT Information

EUT Name:	Bluetooth headset (OpenSwim Pro)
Model:	SHOKZ S710
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168449059A003585242-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

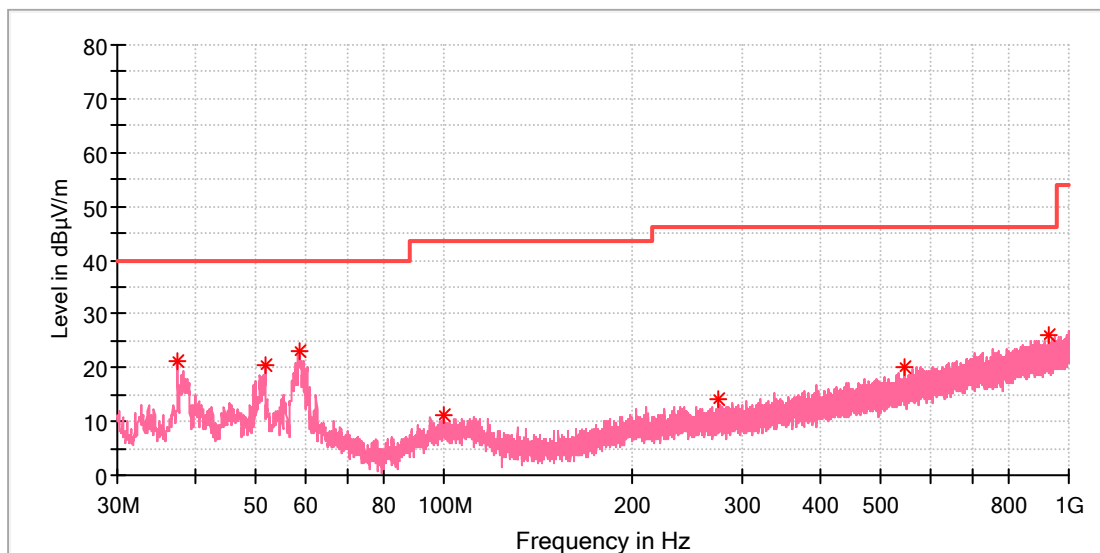
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.461539	15.33	40.00	24.67	100.0	H	110.0	-21.3
49.996923	16.77	40.00	23.23	100.0	H	312.0	-18.6
58.988077	16.36	40.00	23.64	100.0	H	19.0	-19.2
99.690769	11.81	43.50	31.69	100.0	H	347.0	-19.4
201.839231	13.31	43.50	30.19	100.0	H	154.0	-19.3
399.980385	17.42	46.00	28.58	100.0	H	194.0	-14.1
925.869615	25.53	46.00	20.47	100.0	H	19.0	-5.2

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.498846	21.35	40.00	18.65	100.0	V	27.0	-21.2
51.713077	20.32	40.00	19.68	100.0	V	257.0	-18.6
58.726923	23.01	40.00	16.99	100.0	V	281.0	-19.2
99.728077	11.13	43.50	32.37	100.0	V	324.0	-19.3
274.999615	13.99	46.00	32.01	100.0	V	63.0	-17.2
545.032692	20.08	46.00	25.92	100.0	V	167.0	-11.3
931.018077	25.98	46.00	20.02	100.0	V	273.0	-5.1

Final_Result

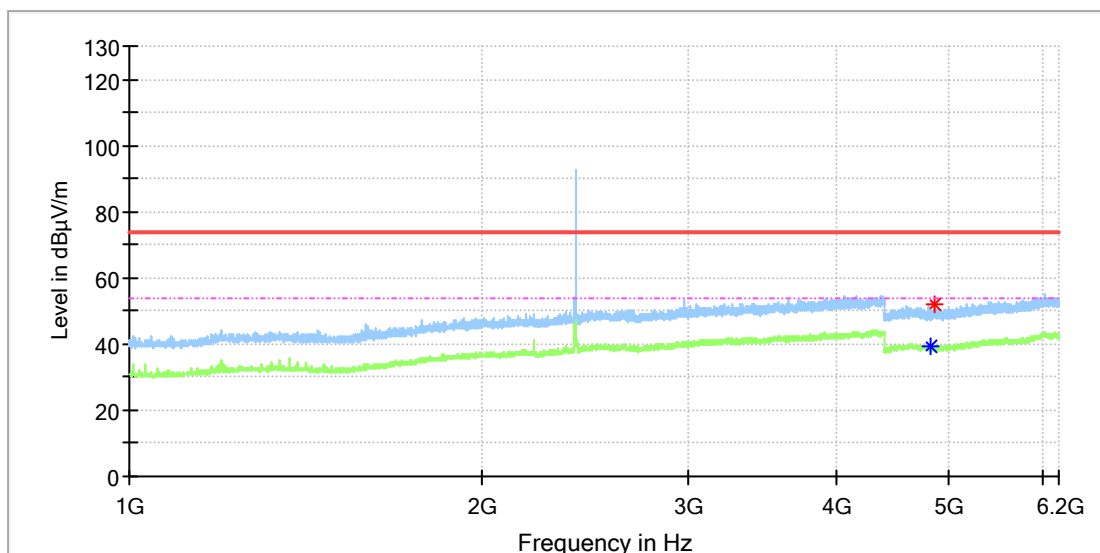
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Bluetooth headset (OpenSwim Pro)
Model:	SHOKZ S710
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168449059A003585242-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

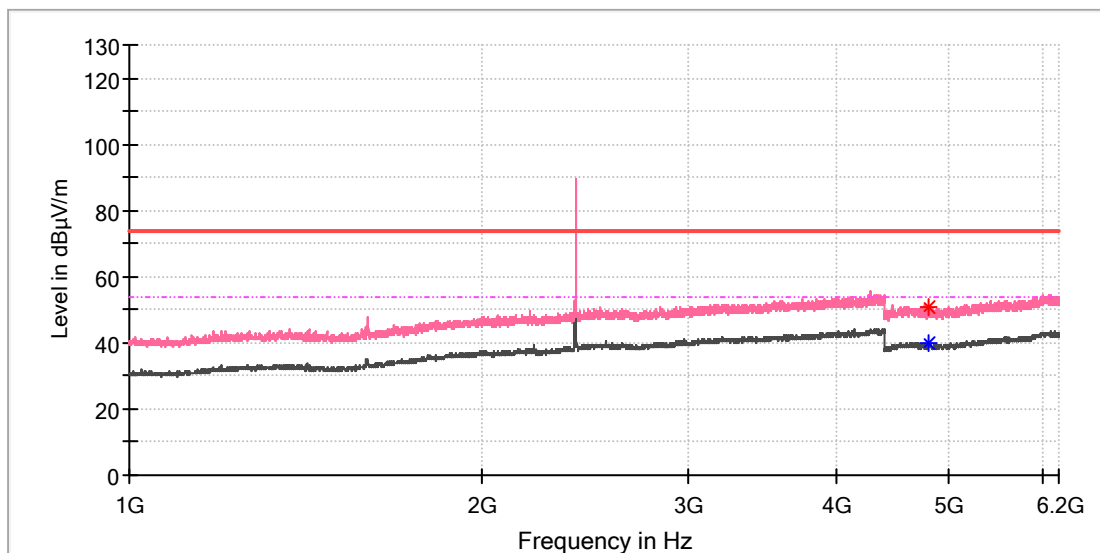
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4816.000000	---	39.42	54.00	14.58	150.0	H	25.0	11.8
4854.000000	51.74	---	74.00	22.26	150.0	H	123.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

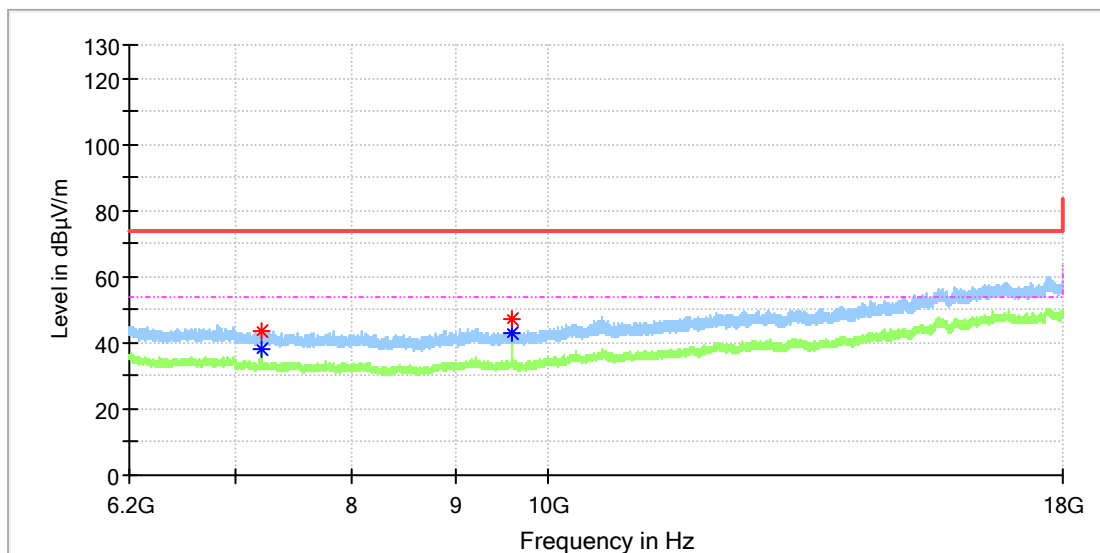
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	50.58	---	74.00	23.42	150.0	V	141.0	11.8
4807.500000	---	39.77	54.00	14.23	150.0	V	190.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

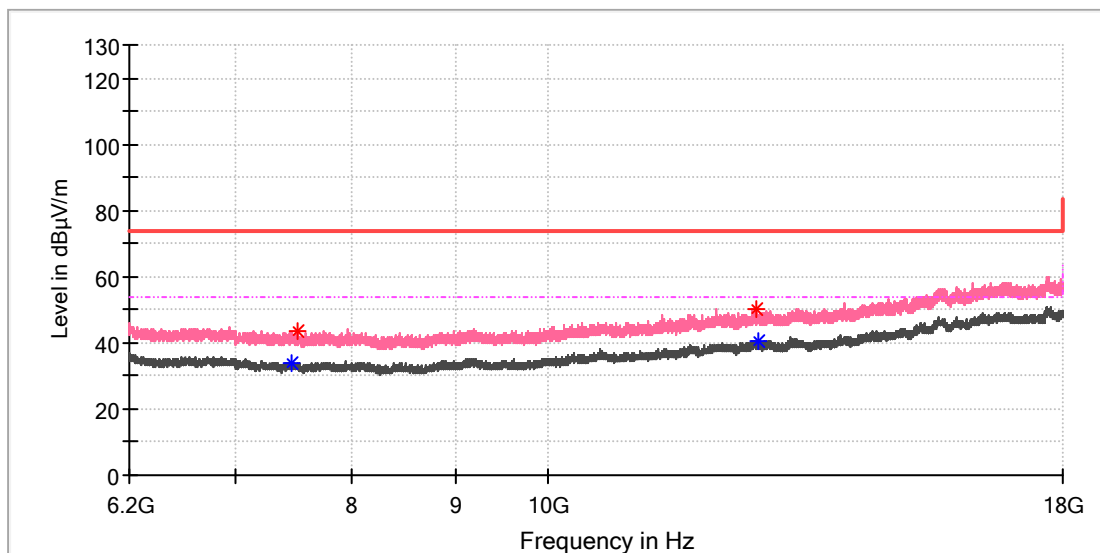
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7206.441667	---	37.81	54.00	16.19	150.0	H	0.0	8.8
7210.866667	43.62	---	74.00	30.38	150.0	H	182.0	8.7
9601.841667	47.19	---	74.00	26.81	150.0	H	294.0	10.4
9601.841667	---	42.96	54.00	11.04	150.0	H	294.0	10.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

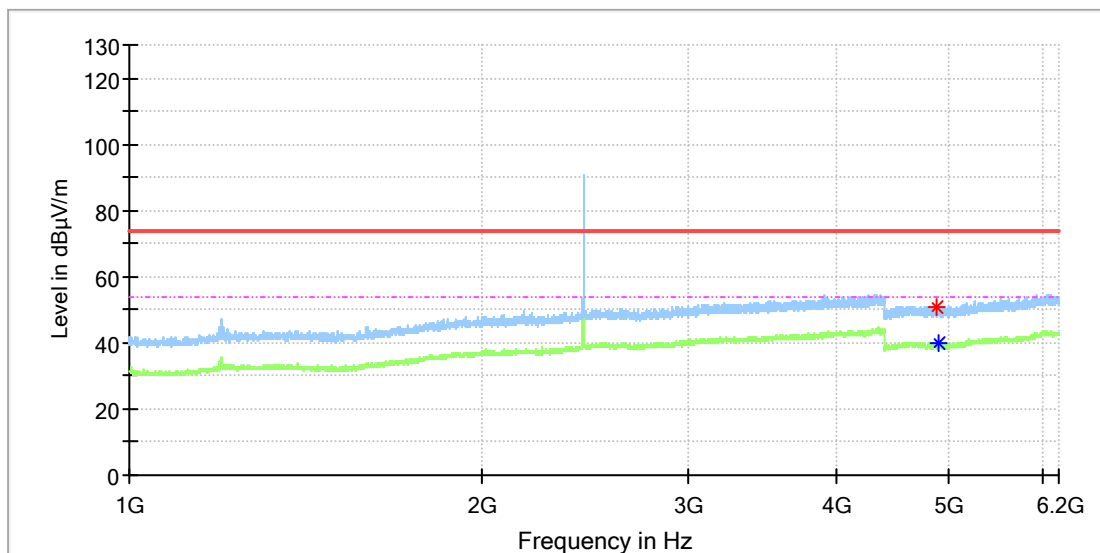
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7467.516667	---	34.14	54.00	19.86	150.0	V	329.0	8.6
7506.358333	43.40	---	74.00	30.60	150.0	V	0.0	8.7
12690.983333	50.46	---	74.00	23.54	150.0	V	262.0	15.1
12702.783333	---	40.76	54.00	13.24	150.0	V	52.0	15.1

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

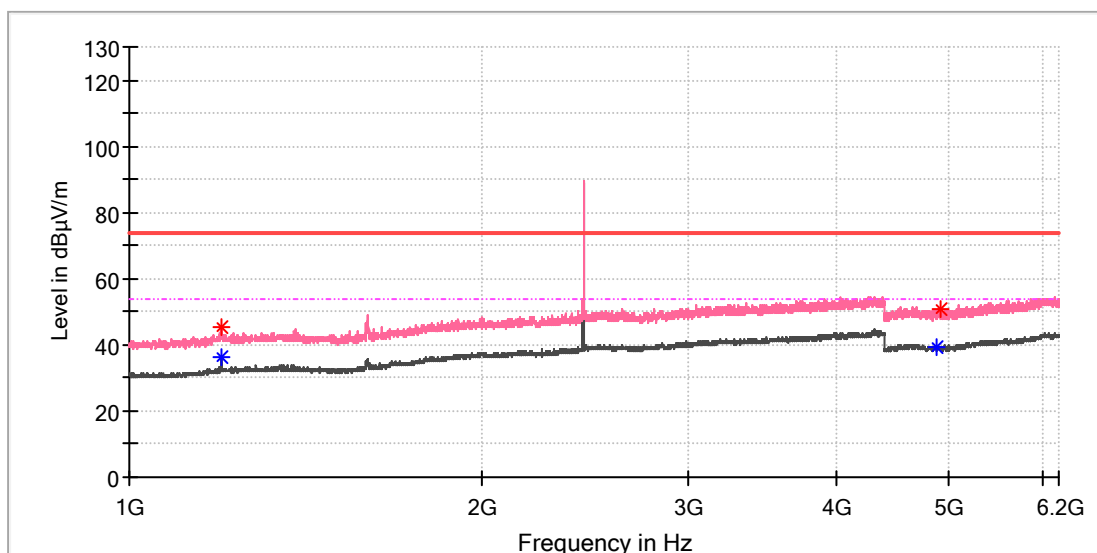
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4876.000000	50.72	---	74.00	23.28	150.0	H	262.0	11.8
4900.000000	---	39.90	54.00	14.10	150.0	H	144.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

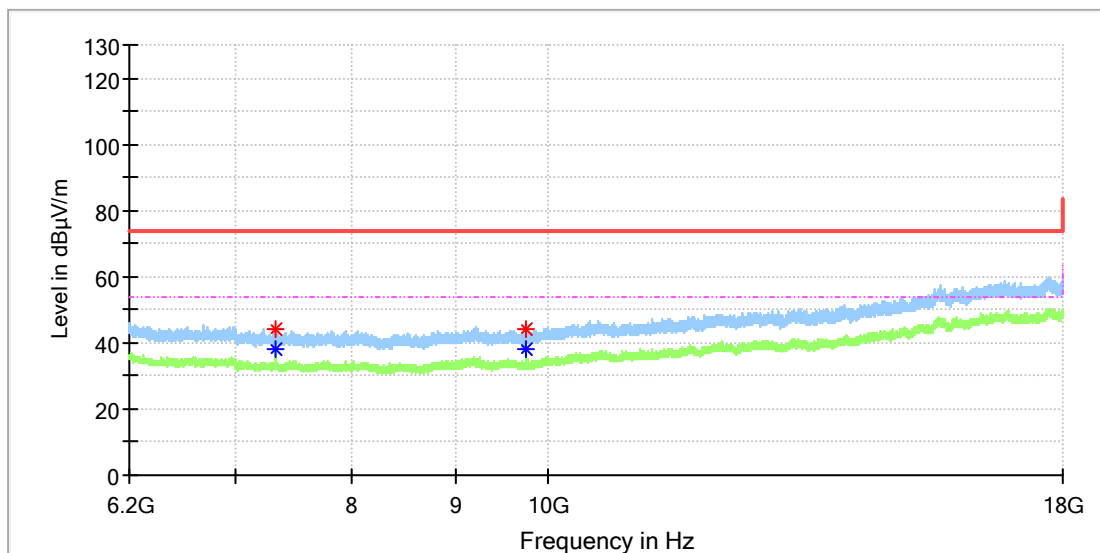
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1197.500000	45.27	---	74.00	28.73	150.0	V	148.0	1.1
1198.000000	---	36.20	54.00	17.80	150.0	V	206.0	1.1
4870.500000	---	39.56	54.00	14.44	150.0	V	191.0	11.8
4908.000000	50.66	---	74.00	23.34	150.0	V	359.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

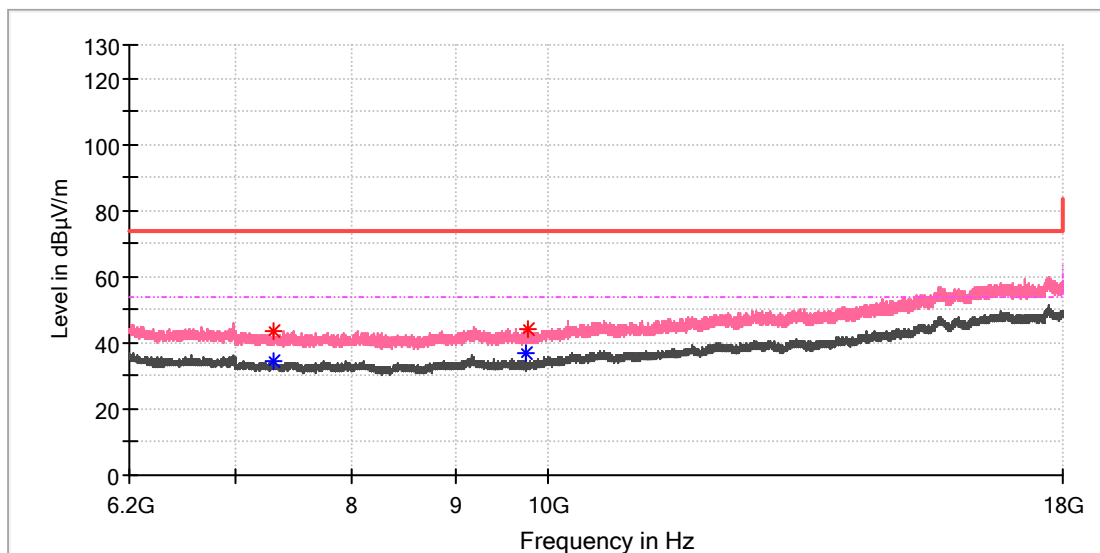
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.016667	---	38.22	54.00	15.78	150.0	H	85.0	8.2
7320.508333	43.96	---	74.00	30.04	150.0	H	98.0	8.2
9754.258333	44.12	---	74.00	29.88	150.0	H	73.0	10.4
9754.258333	---	37.94	54.00	16.06	150.0	H	73.0	10.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

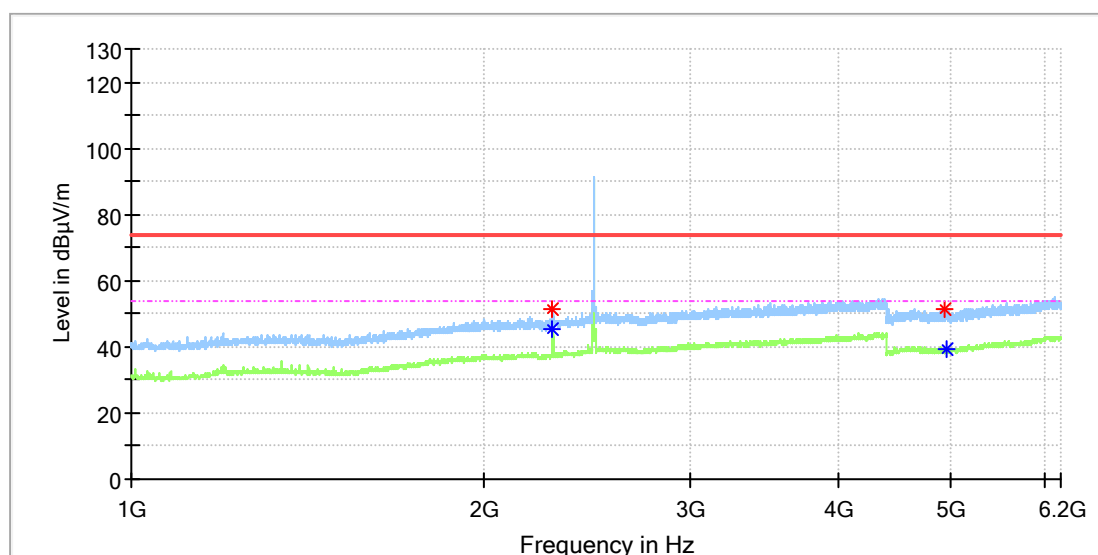
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7303.791667	---	34.27	54.00	19.73	150.0	V	224.0	8.3
7306.250000	43.41	---	74.00	30.59	150.0	V	140.0	8.3
9753.766667	---	37.06	54.00	16.94	150.0	V	237.0	10.4
9762.616667	43.87	---	74.00	30.13	150.0	V	271.0	10.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_High channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

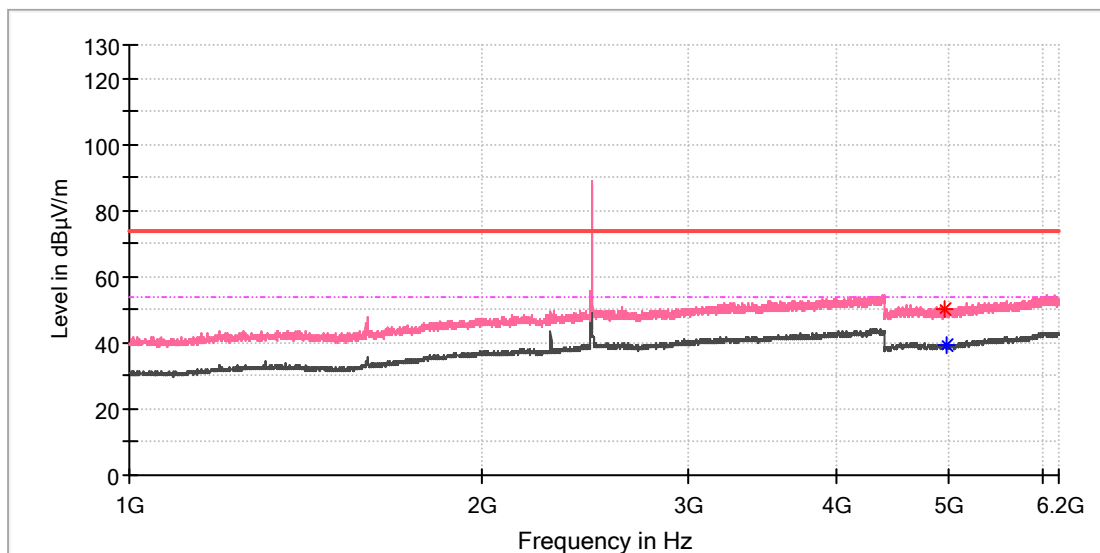
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2288.000000	51.35	---	74.00	22.65	150.0	H	244.0	6.4
2288.000000	---	45.62	54.00	8.38	150.0	H	244.0	6.4
4939.000000	51.24	---	74.00	22.76	150.0	H	47.0	11.8
4949.500000	---	39.32	54.00	14.68	150.0	H	277.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_High channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

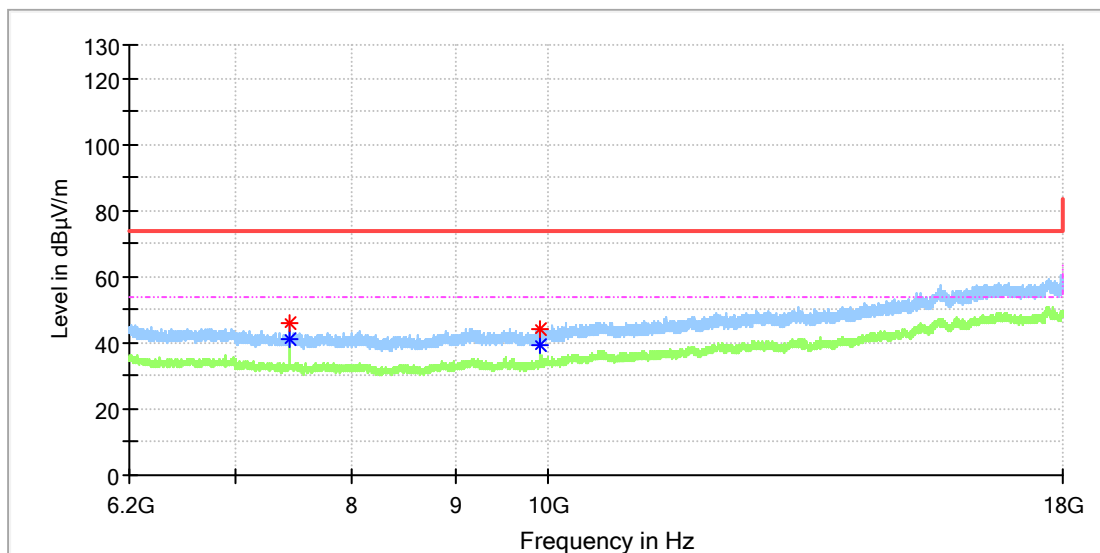
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4961.500000	50.31	---	74.00	23.69	150.0	V	1.0	11.8
4970.500000	---	39.24	54.00	14.76	150.0	V	42.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_High channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

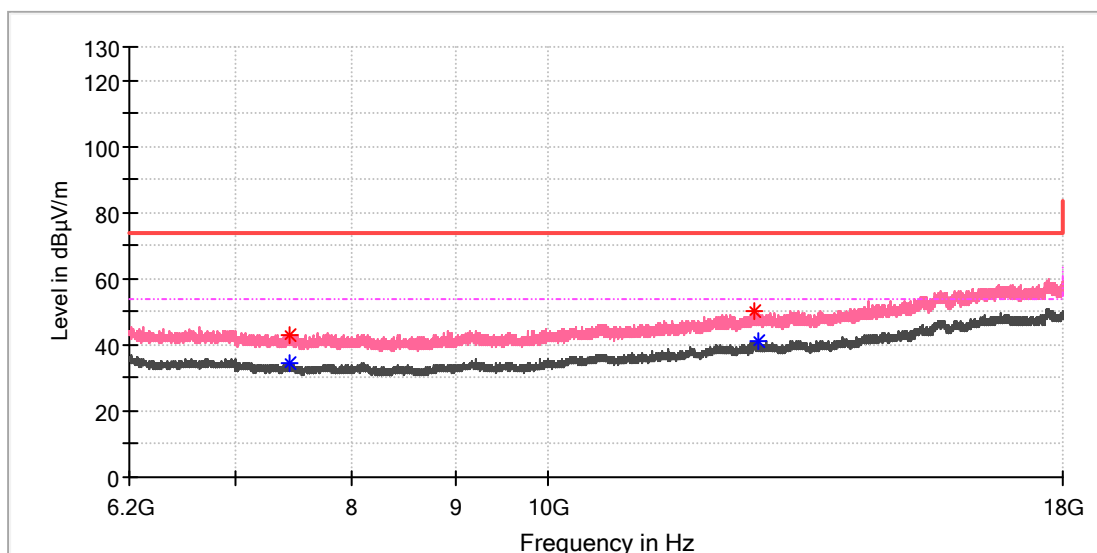
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.000000	45.98	---	74.00	28.02	150.0	H	0.0	8.4
7439.491667	---	40.92	54.00	13.08	150.0	H	235.0	8.4
9914.050000	44.36	---	74.00	29.64	150.0	H	16.0	10.8
9914.050000	---	39.10	54.00	14.90	150.0	H	16.0	10.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_High channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7446.866667	43.22	---	74.00	30.78	150.0	V	134.0	8.5
7451.783333	---	34.23	54.00	19.77	150.0	V	145.0	8.5
12642.800000	50.46	---	74.00	23.54	150.0	V	32.0	15.0
12705.733333	---	40.82	54.00	13.18	150.0	V	228.0	15.1

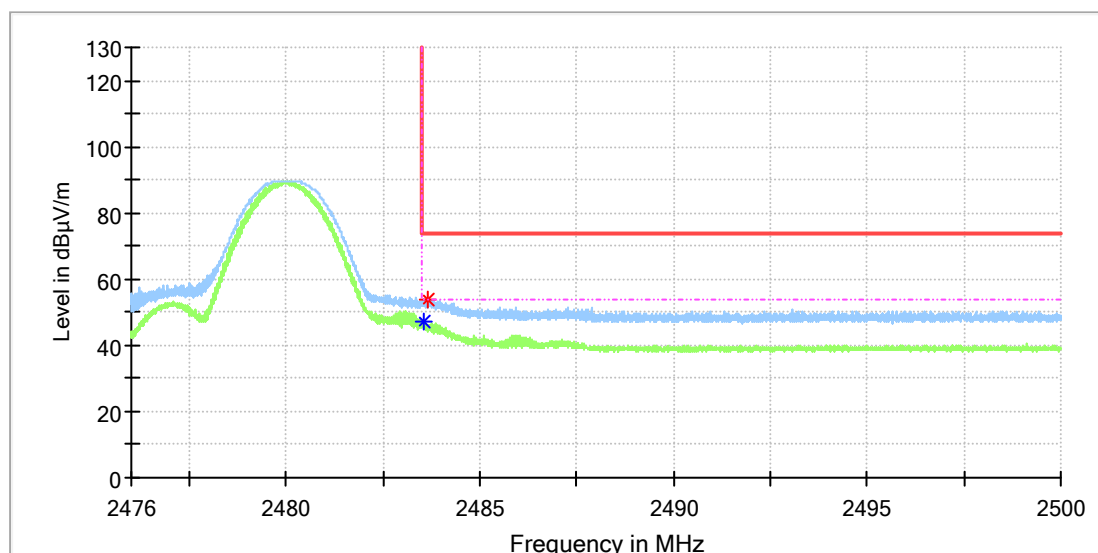
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Bluetooth headset (OpenSwim Pro)
Model:	SHOKZ S710
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168449059A003585242-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

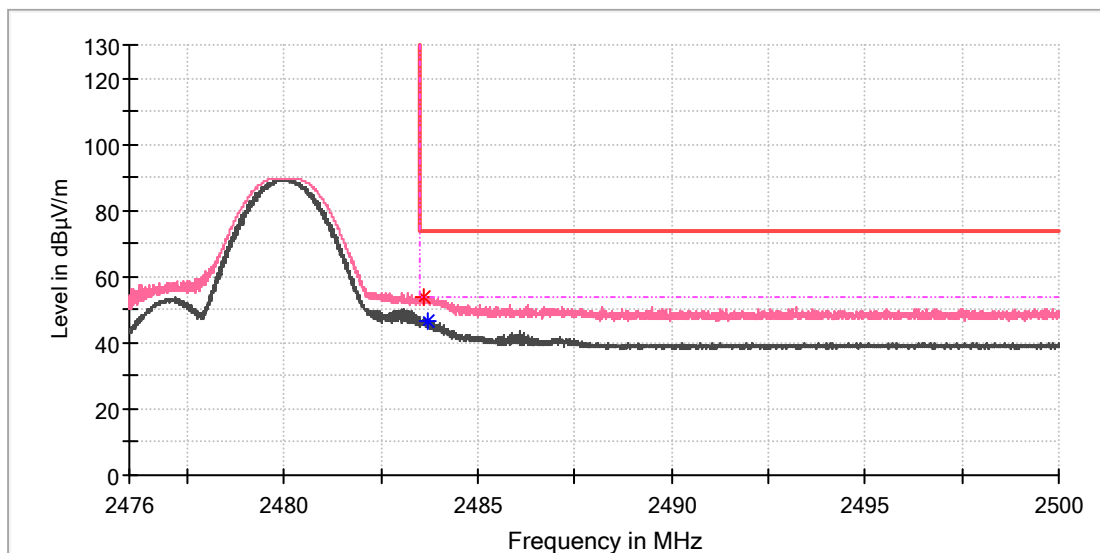
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.574118	---	46.88	54.00	7.12	150.0	H	61.0	7.4
2483.680000	53.94	---	74.00	20.06	150.0	H	227.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth headset (OpenSwim Pro)
Model:	SHOKZ S710
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168449059A003585242-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

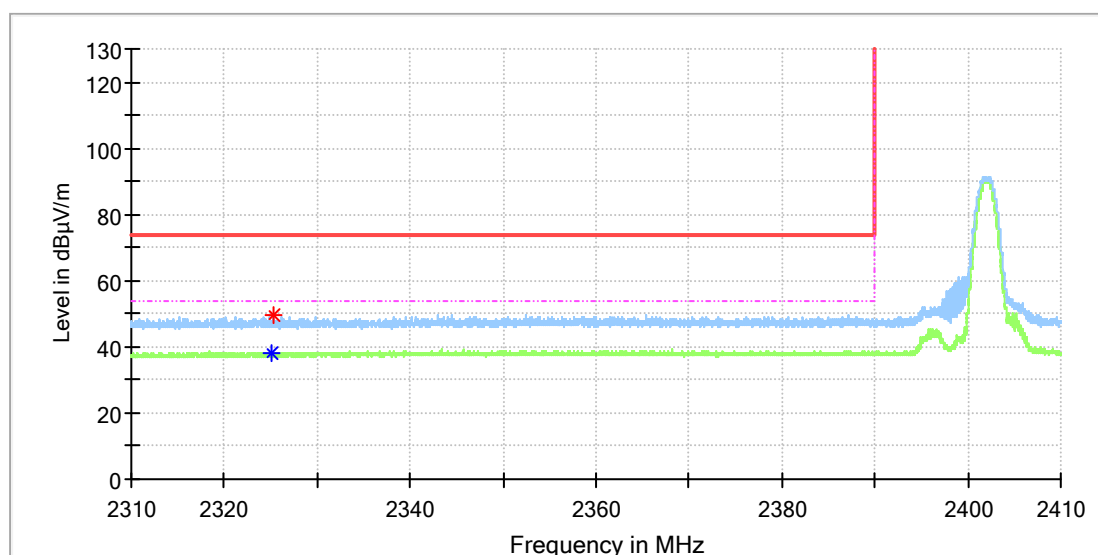
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.598824	54.01	---	74.00	19.99	150.0	V	0.0	7.4
2483.725882	---	46.83	54.00	7.17	150.0	V	0.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth headset (OpenSwim Pro)
Model:	SHOKZ S710
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168449059A003585242-002
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

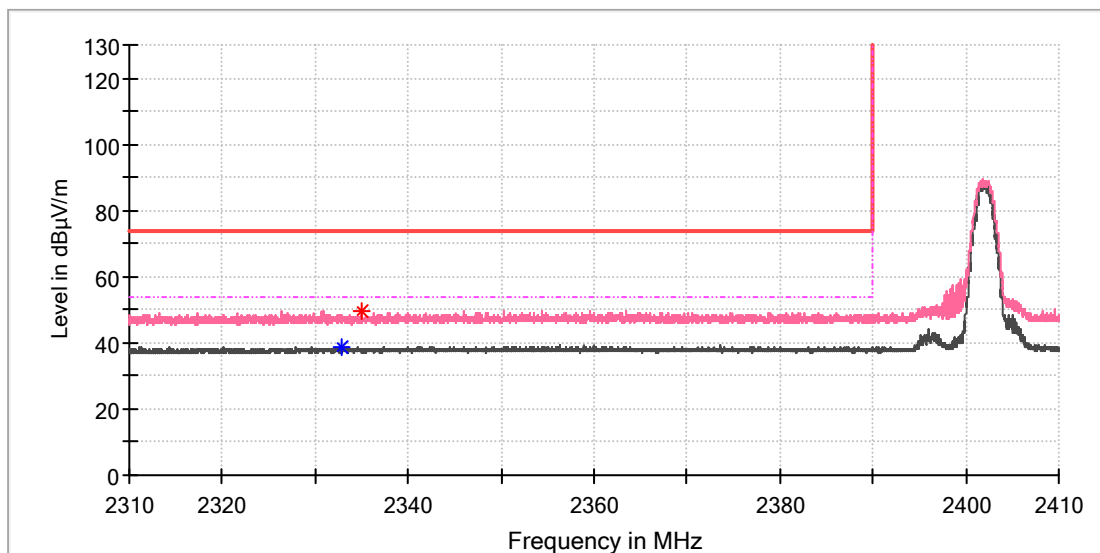
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2325.073530	---	38.38	54.00	15.62	150.0	H	5.0	6.6
2325.235294	49.69	---	74.00	24.31	150.0	H	33.0	6.7

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
Model: SHOKZ S710
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168449059A003585242-002
Test Voltage:: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2332.750000	---	38.95	54.00	15.05	150.0	V	94.0	6.7
2334.985294	49.64	---	74.00	24.36	150.0	V	217.0	6.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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