



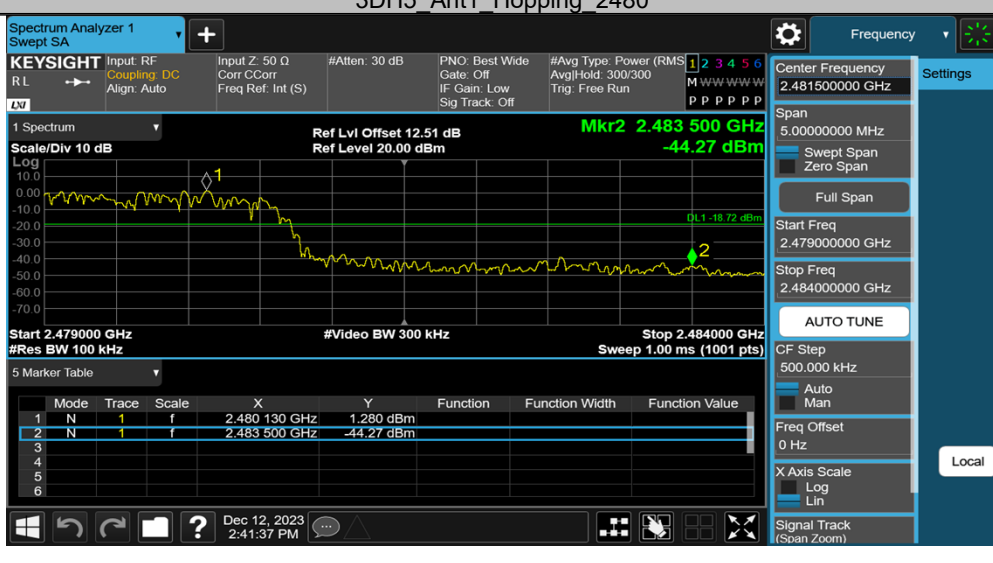
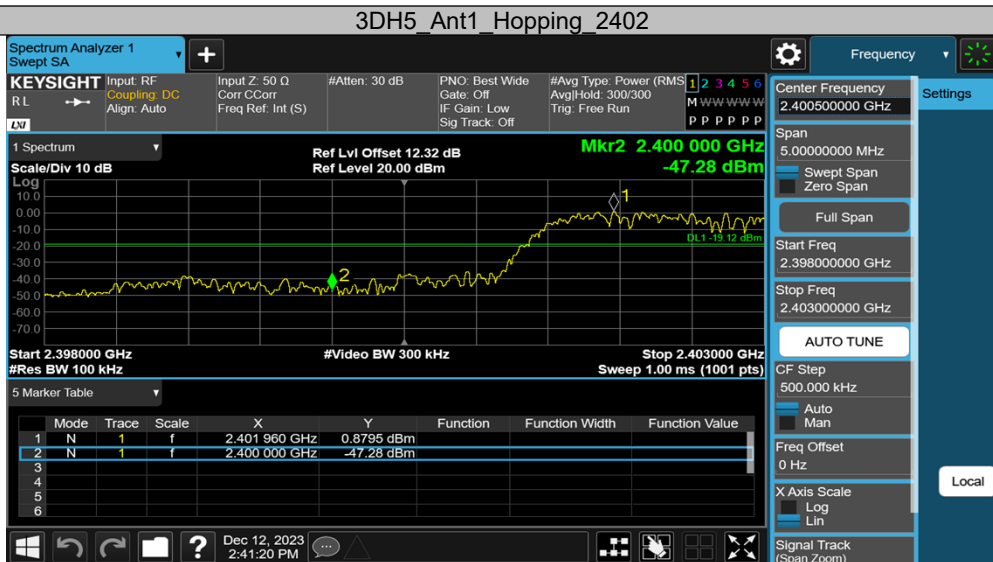
3DH5 Ant1 High 2480



DH5 Ant1 Hopping 2402

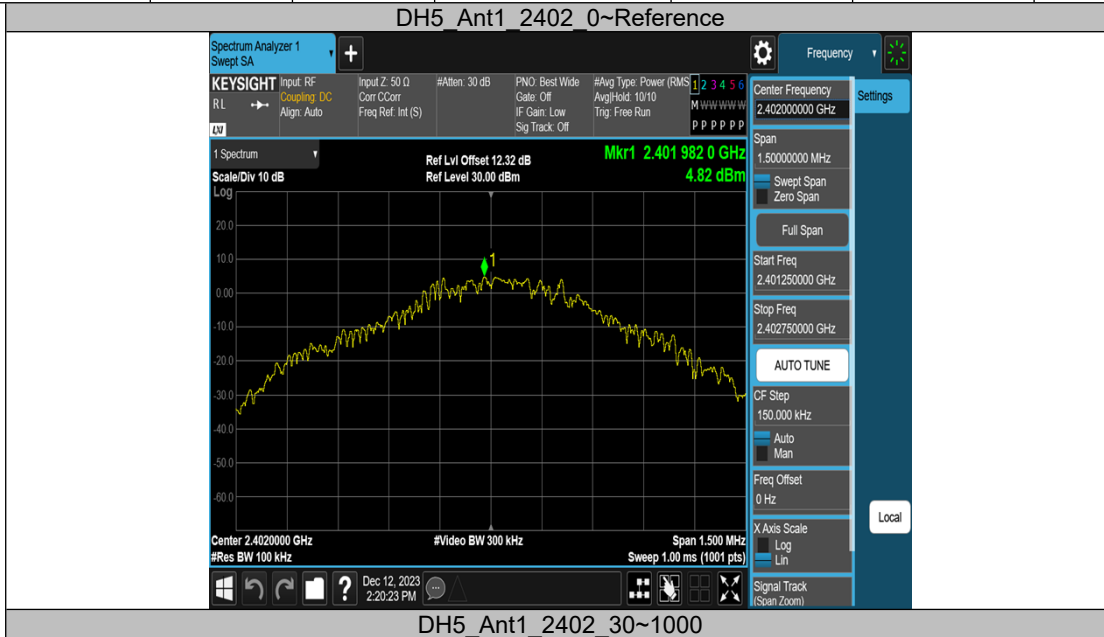


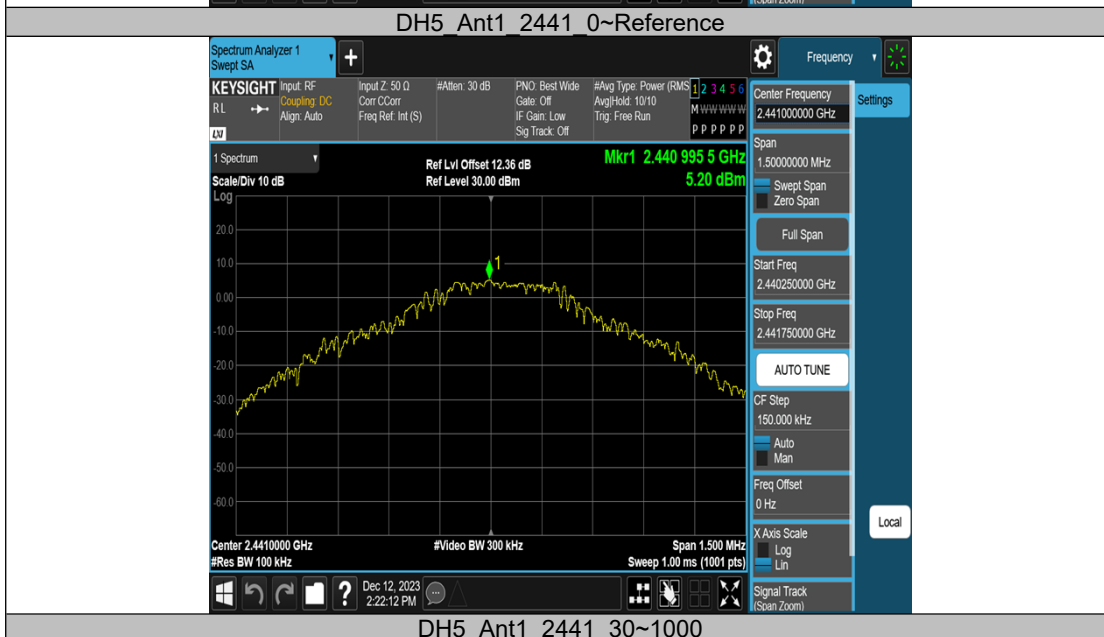
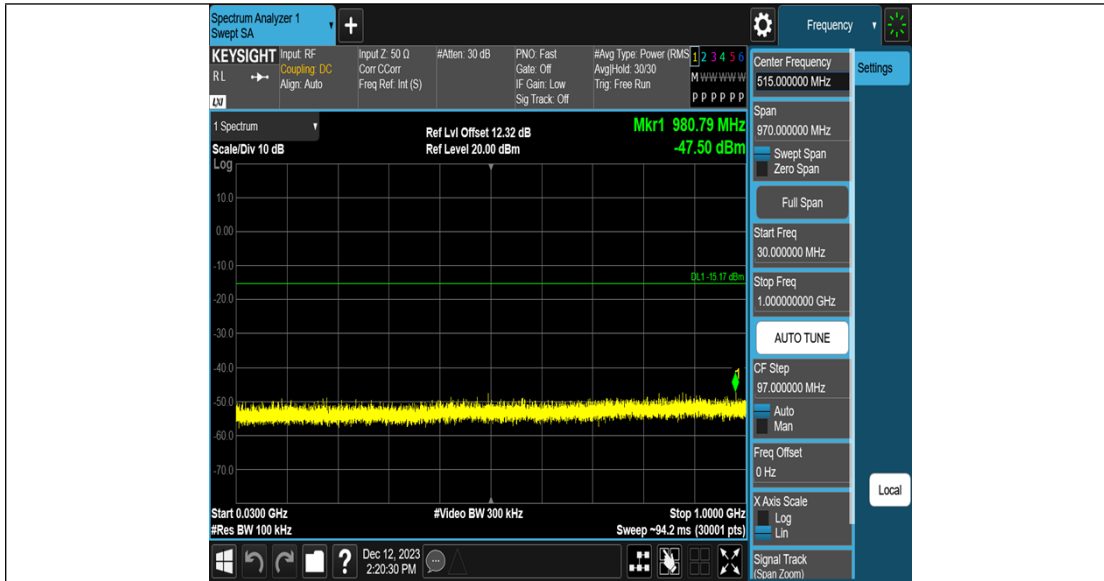
DH5 Ant1 Hopping 2480

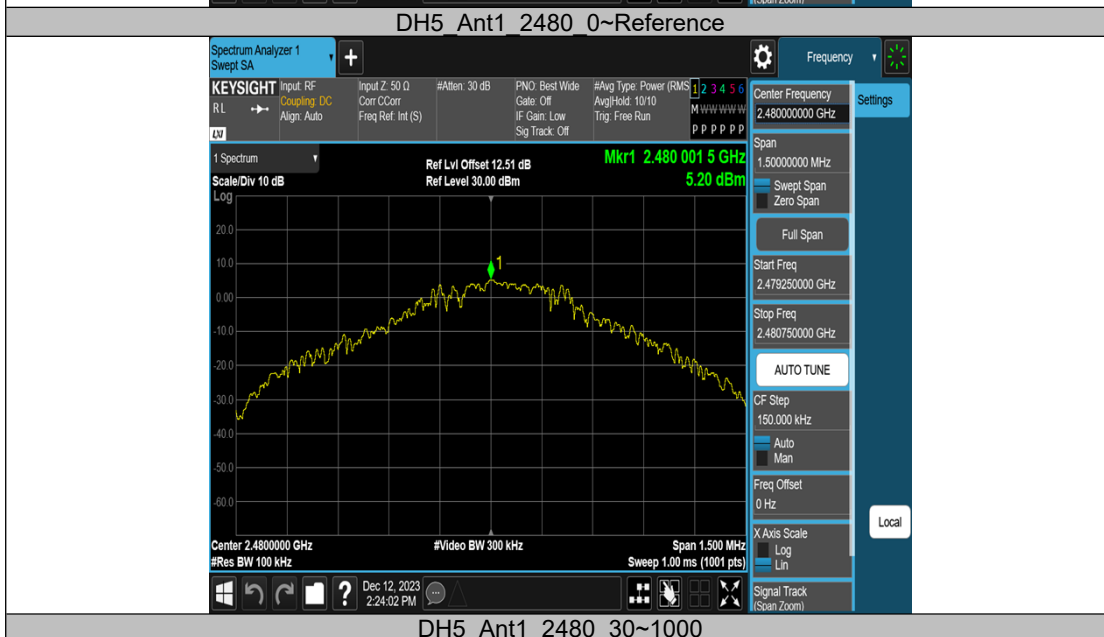
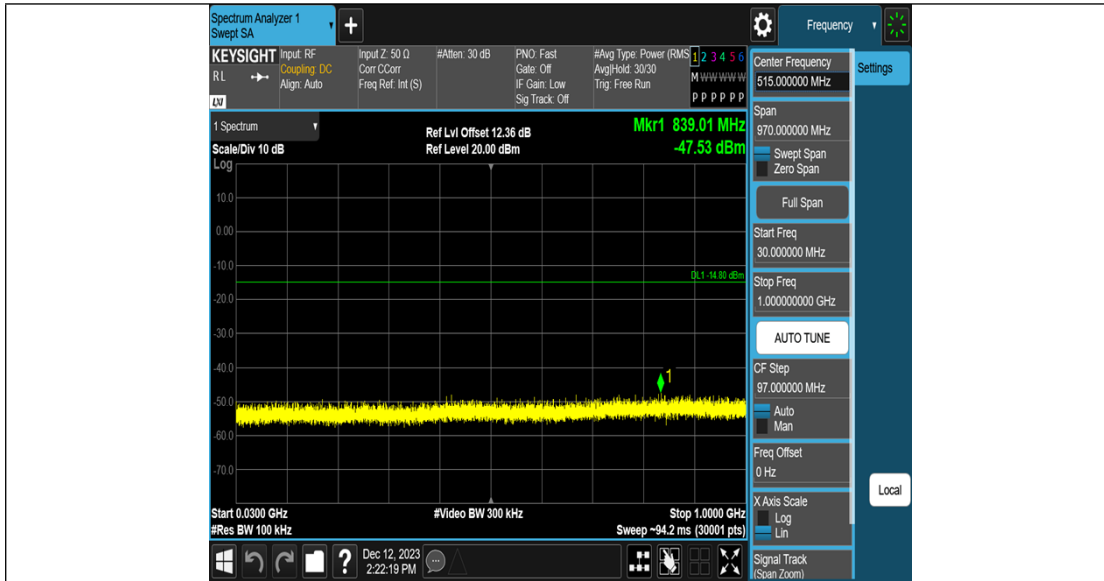


Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.83	4.83	---	PASS
			30~1000	4.83	-47.5	≤-15.17	PASS
			1000~26500	4.83	-38.77	≤-15.17	PASS
		2441	Reference	5.20	5.20	---	PASS
			30~1000	5.20	-47.53	≤-14.8	PASS
			1000~26500	5.20	-37.72	≤-14.8	PASS
		2480	Reference	5.20	5.20	---	PASS
			30~1000	5.20	-47.47	≤-14.8	PASS
			1000~26500	5.20	-37.68	≤-14.8	PASS
3DH5	Ant1	2402	Reference	3.88	3.88	---	PASS
			30~1000	3.88	-47.7	≤-16.12	PASS
			1000~26500	3.88	-38.61	≤-16.12	PASS
		2441	Reference	2.71	2.71	---	PASS
			30~1000	2.71	-47.39	≤-17.29	PASS
			1000~26500	2.71	-37.96	≤-17.29	PASS
		2480	Reference	4.28	4.28	---	PASS
			30~1000	4.28	-47.2	≤-15.72	PASS
			1000~26500	4.28	-37.9	≤-15.72	PASS

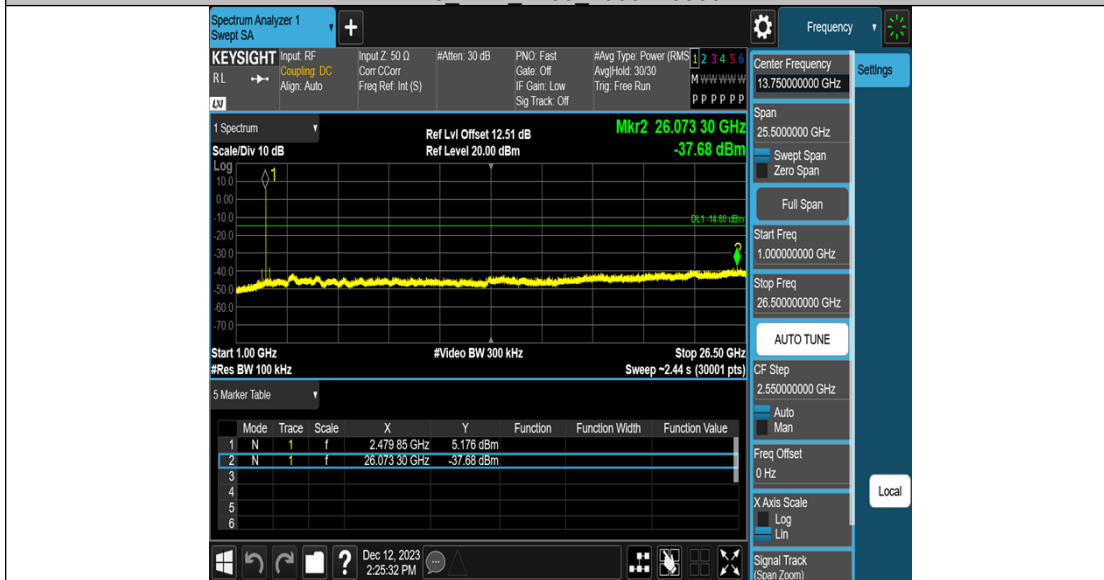




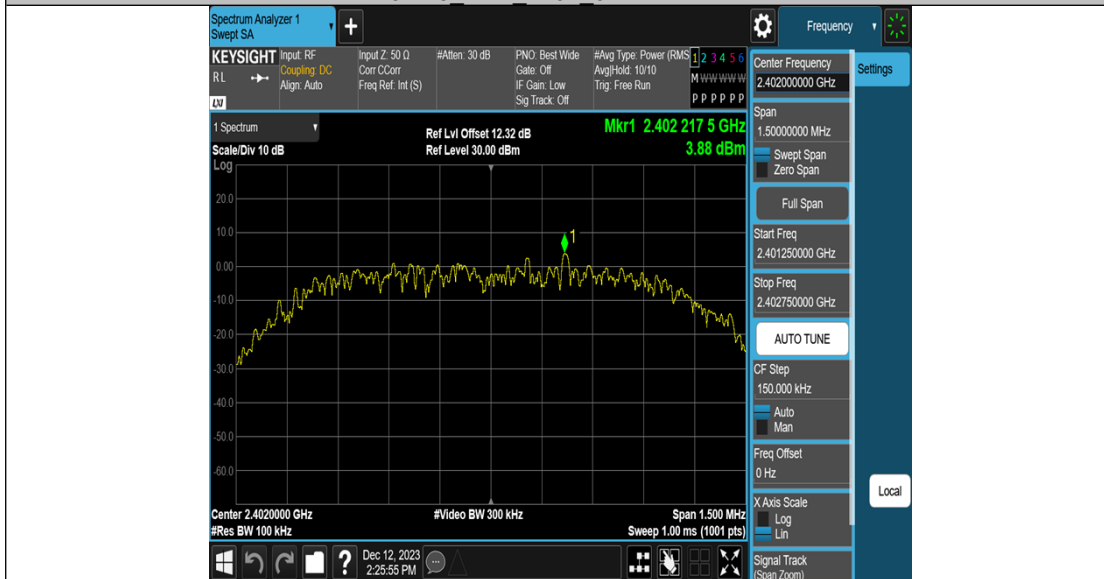




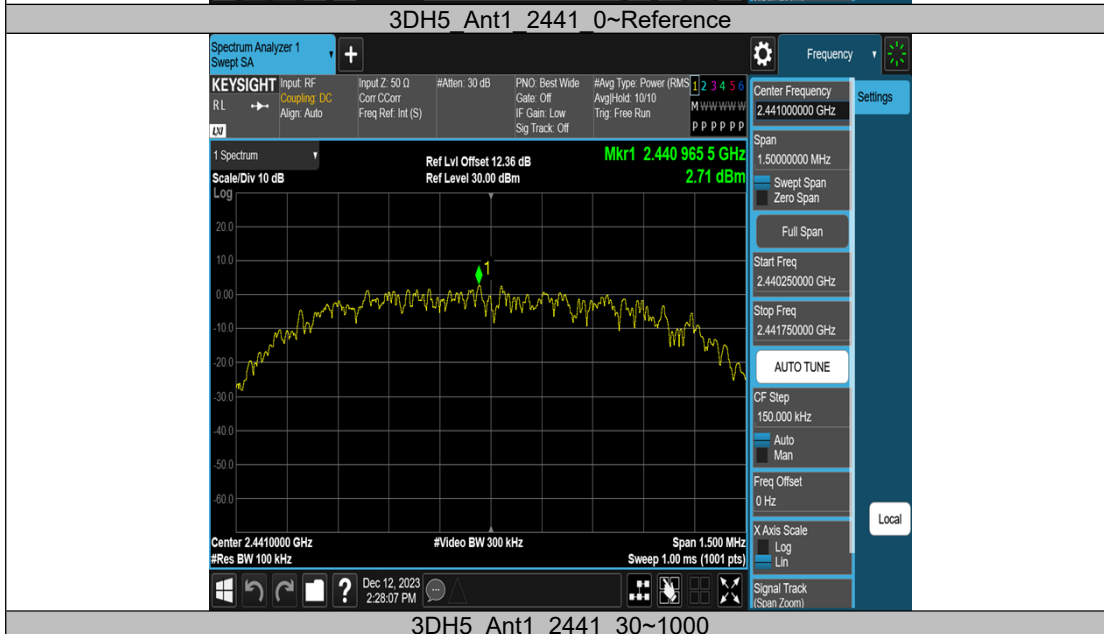
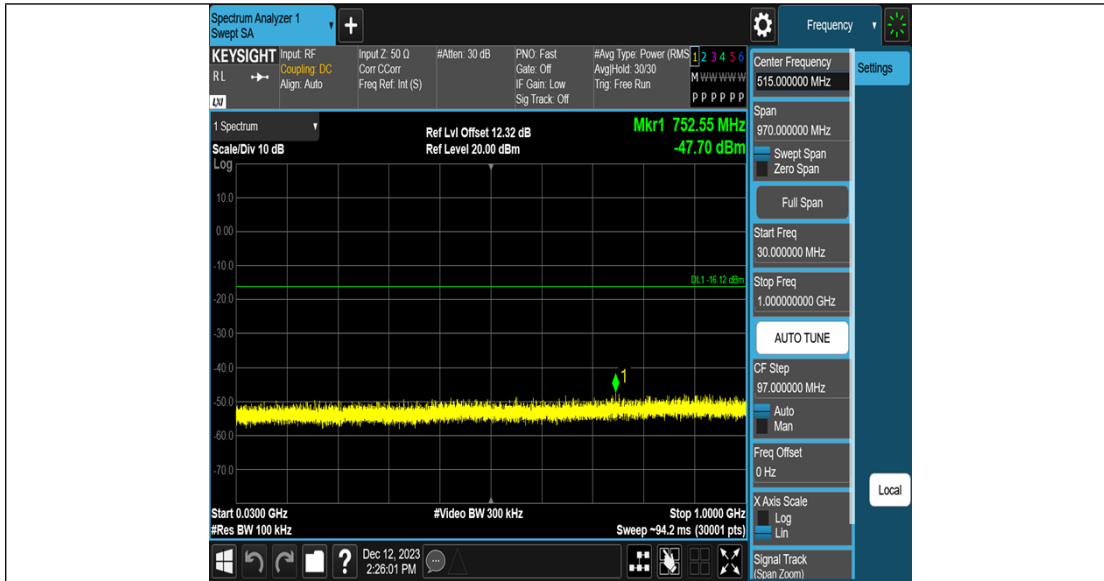
DH5 Ant1 2480 1000~26500

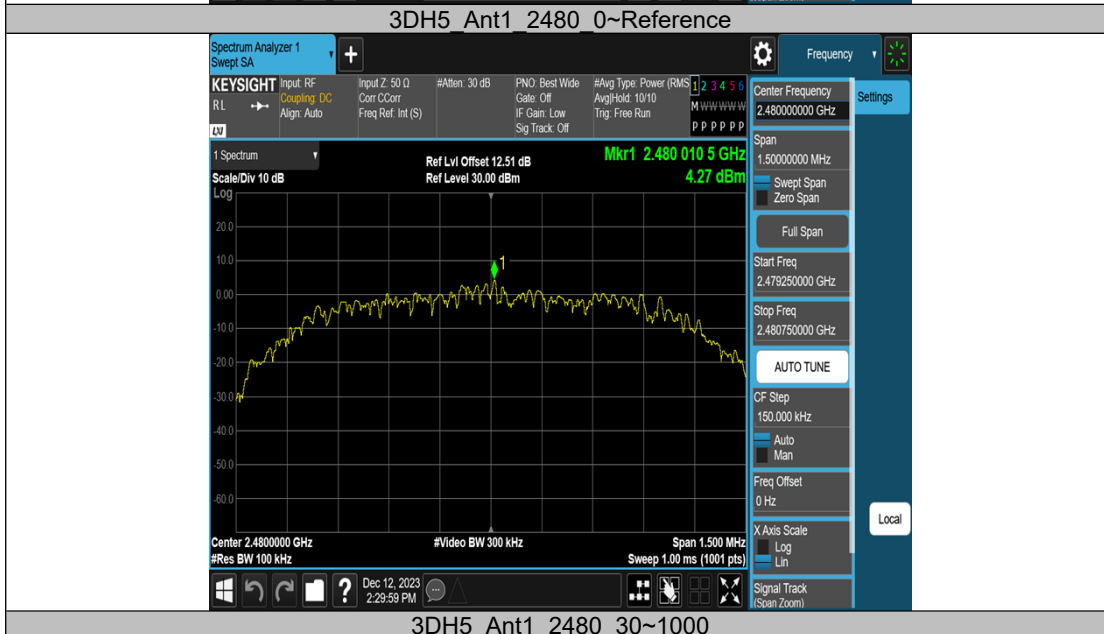
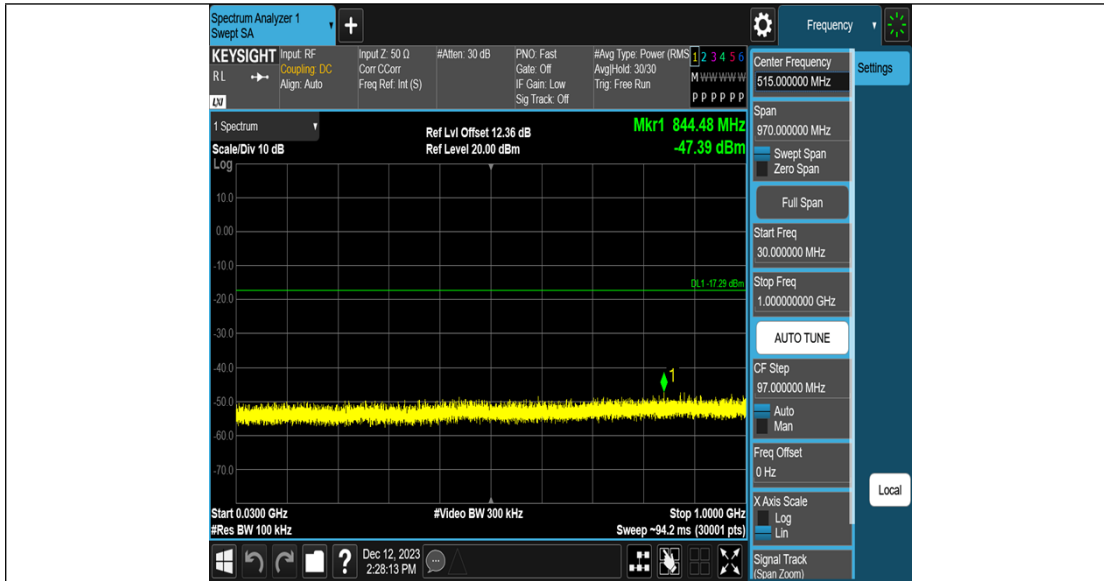


3DH5 Ant1 2402 0~Reference



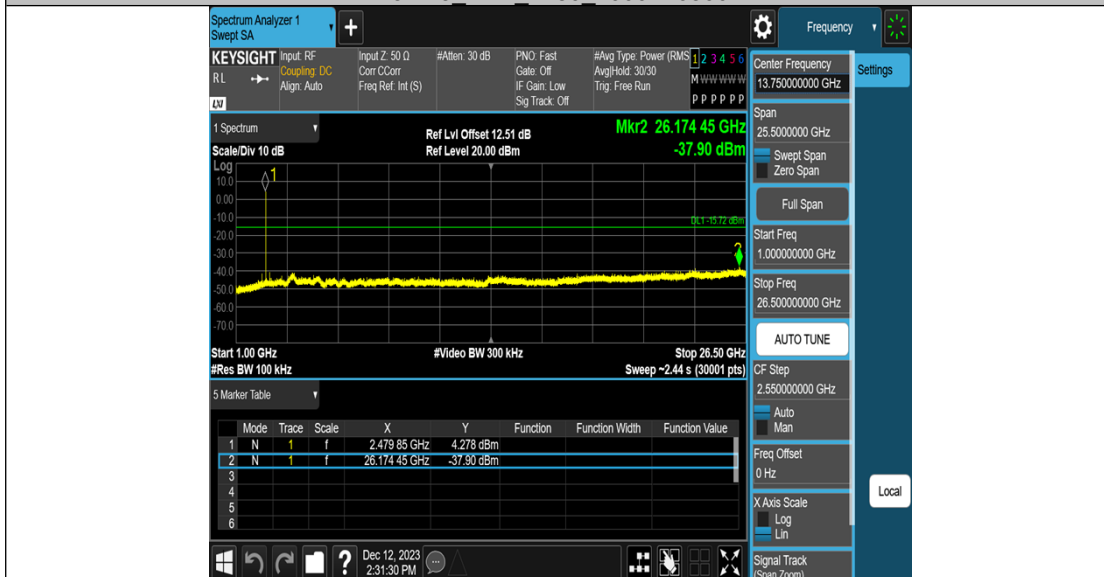
3DH5 Ant1 2402 30~1000







3DH5 Ant1 2480 1000~26500



Appendix A.7: Test Results of Radiated Spurious Emissions

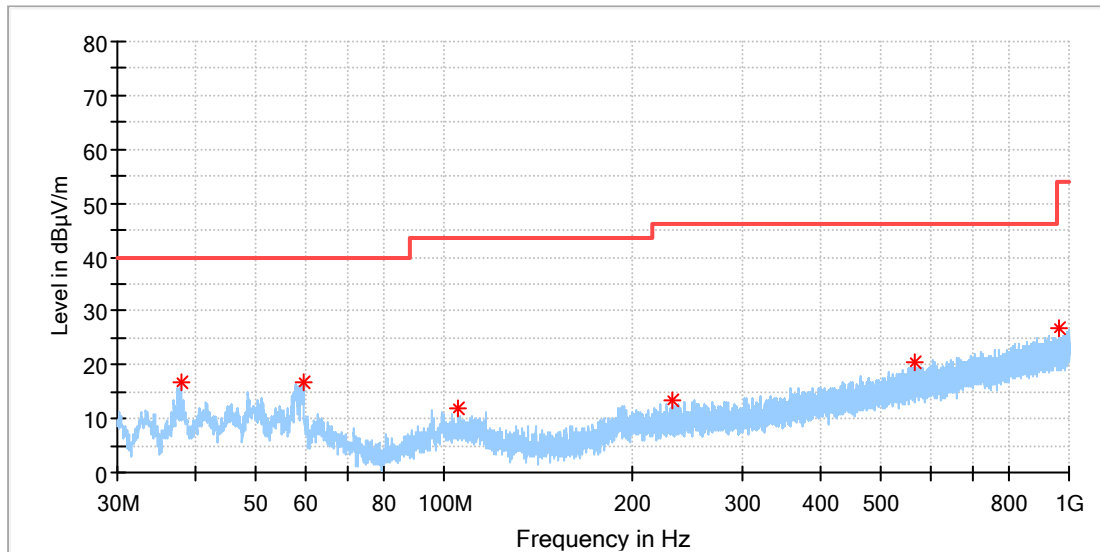
Note:

- 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:	BR_DH5_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

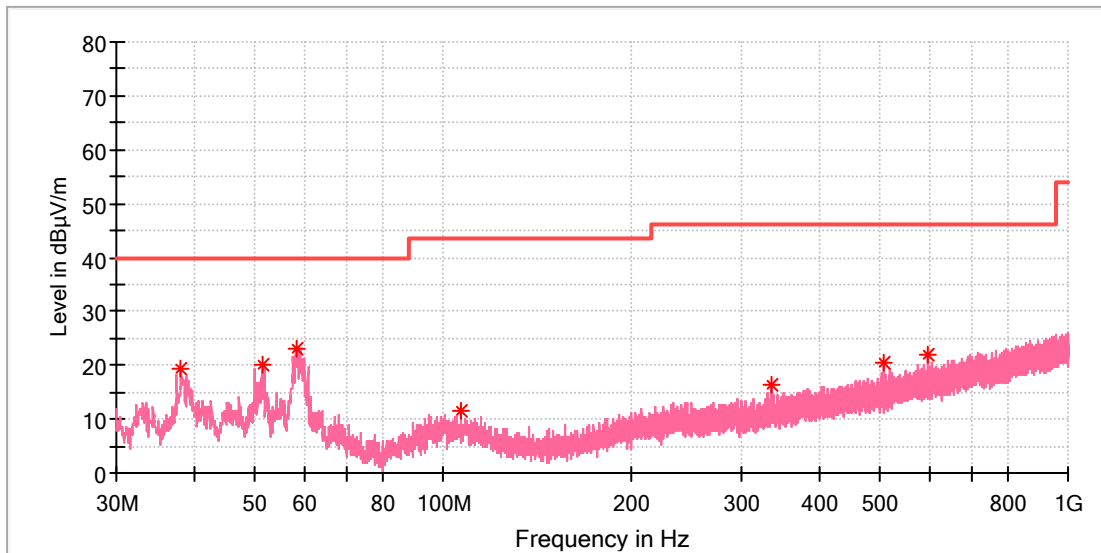
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.871923	16.61	40.00	23.39	100.0	H	31.0	-21.1
59.585000	16.89	40.00	23.11	100.0	H	99.0	-19.2
105.436154	11.91	43.50	31.59	100.0	H	197.0	-19.1
231.275000	13.56	46.00	32.44	100.0	H	239.0	-18.4
567.305385	20.35	46.00	25.65	100.0	H	141.0	-10.8
960.826923	26.72	54.00	27.28	100.0	H	68.0	-4.7

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: BR_DH5_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)
38.058462	19.22	40.00	20.78	100.0	V	267.0	-21.0
51.340000	20.27	40.00	19.73	100.0	V	75.0	-18.6
58.130000	23.21	40.00	16.79	100.0	V	52.0	-19.1
106.853846	11.60	43.50	31.90	100.0	V	174.0	-19.2
334.430769	16.27	46.00	29.73	100.0	V	216.0	-15.6
505.523846	20.41	46.00	25.59	100.0	V	309.0	-12.2
598.457308	21.82	46.00	24.18	100.0	V	216.0	-10.2

Final Result

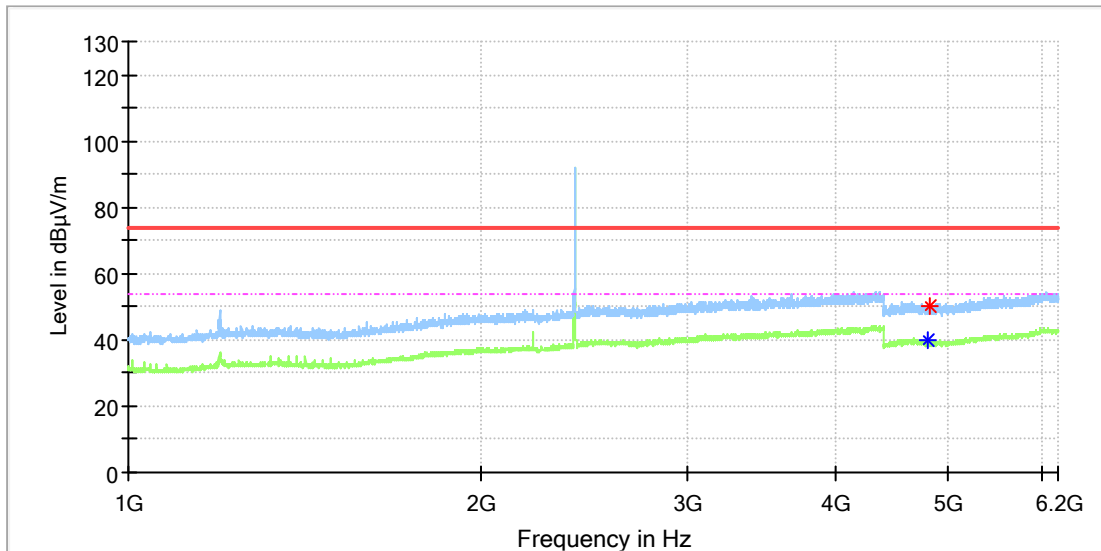
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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:	BR_DH5_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

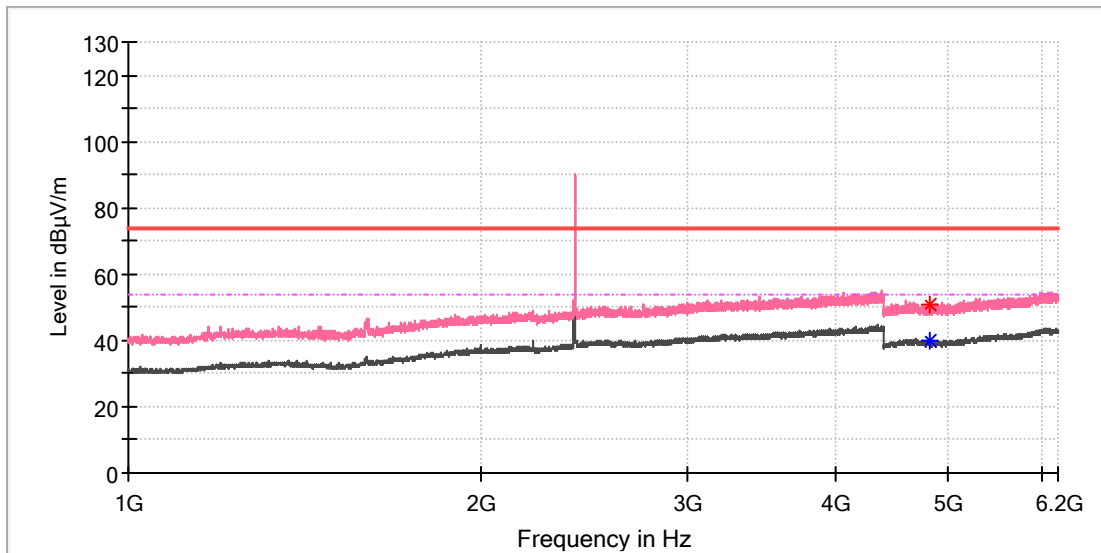
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4805.500000	---	39.75	54.00	14.25	150.0	H	186.0	11.8
4820.500000	50.28	---	74.00	23.72	150.0	H	221.0	11.8

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: BR_DH5_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

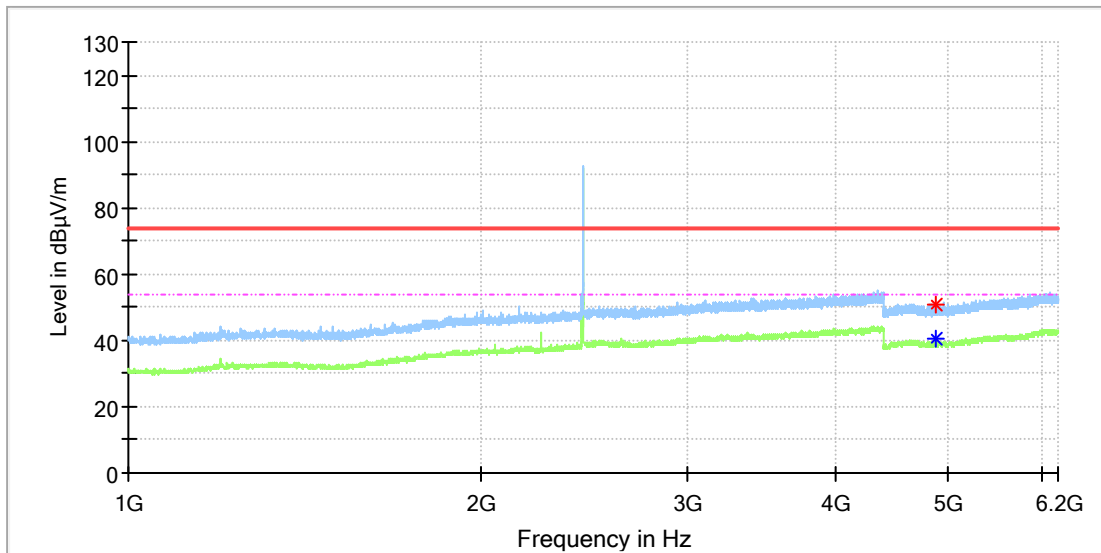
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4819.000000	50.96	---	74.00	23.04	150.0	V	321.0	11.8
4820.500000	---	39.87	54.00	14.13	150.0	V	327.0	11.8

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: BR_DH5_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

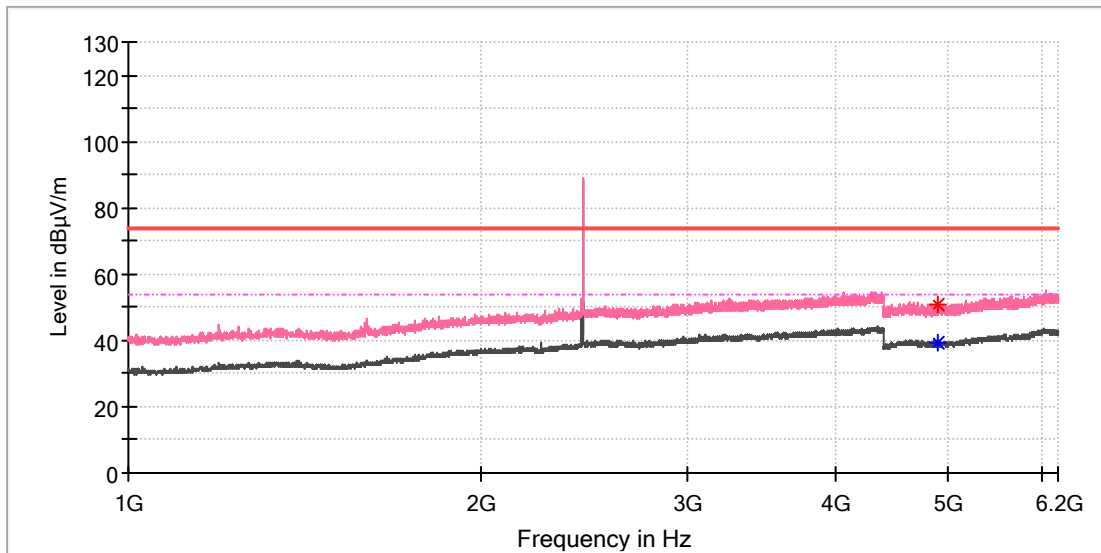
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	---	40.72	54.00	13.28	150.0	H	254.0	11.8
4882.000000	50.65	---	74.00	23.35	150.0	H	35.0	11.8

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: BR_DH5_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

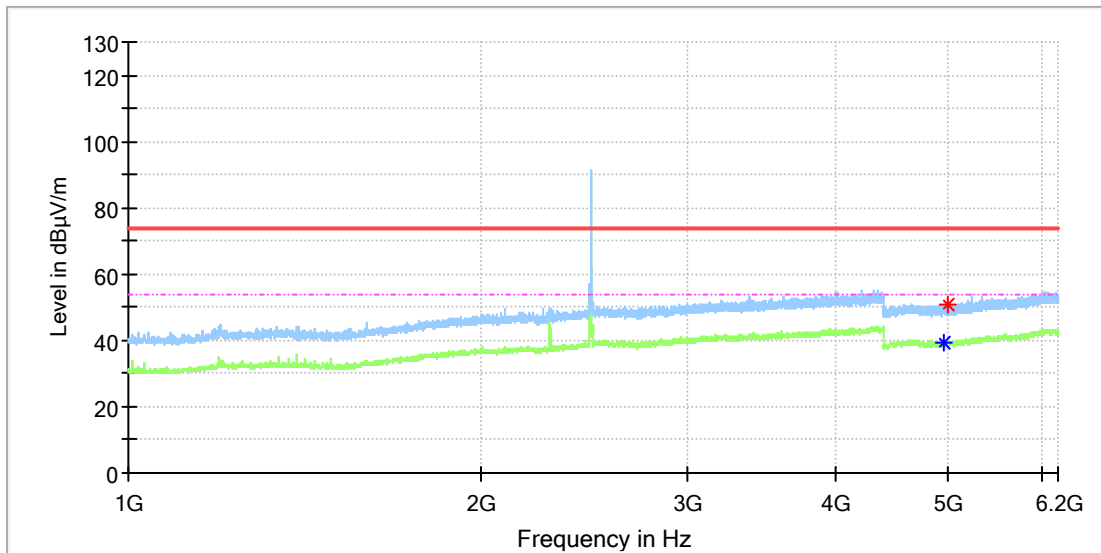
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4894.500000	---	39.41	54.00	14.59	150.0	V	152.0	11.8
4896.000000	50.57	---	74.00	23.43	150.0	V	36.0	11.8

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: BR_DH5_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

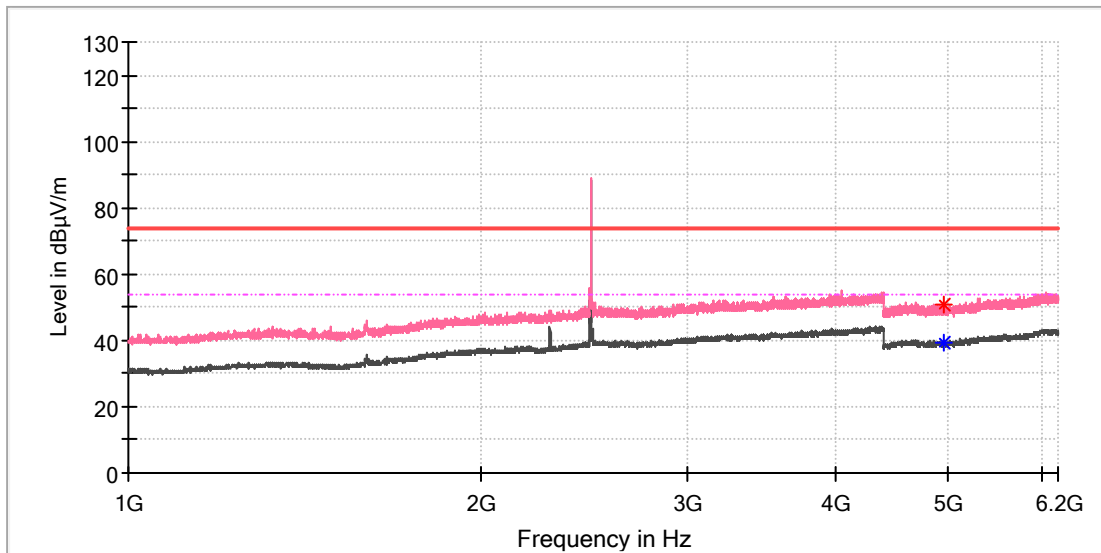
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	---	39.49	54.00	14.51	150.0	H	175.0	11.8
4987.000000	50.75	---	74.00	23.25	150.0	H	11.0	11.8

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: BR_DH5_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)
4956.000000	---	39.51	54.00	14.49	150.0	V	326.0	11.8
4963.500000	50.54	---	74.00	23.46	150.0	V	268.0	11.8

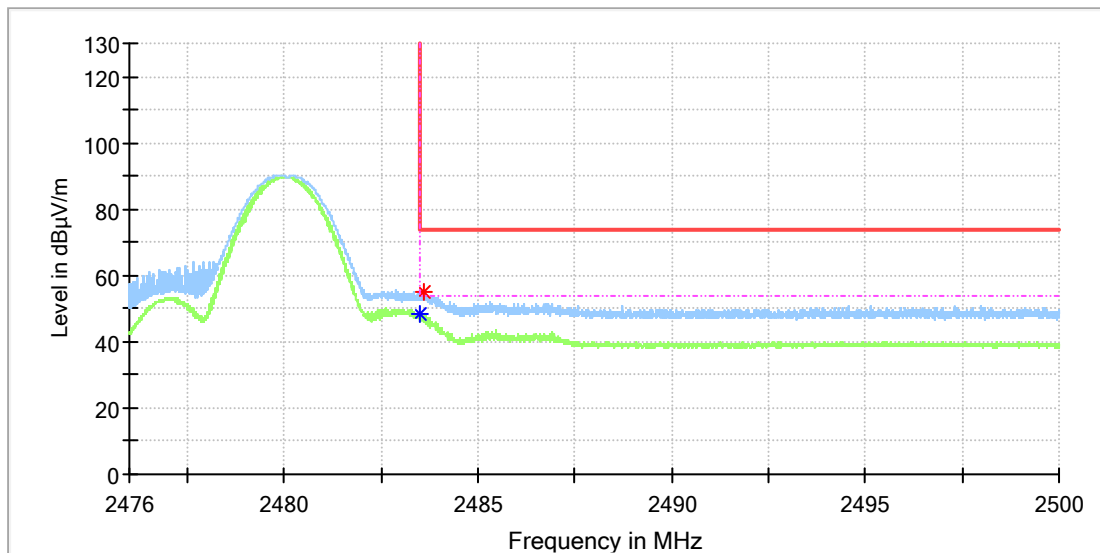
Final Result

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

Appendix A.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name: Bluetooth headset (OpenSwim Pro)
 Model: SHOKZ S710
 Test Mode: BR_DH5_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

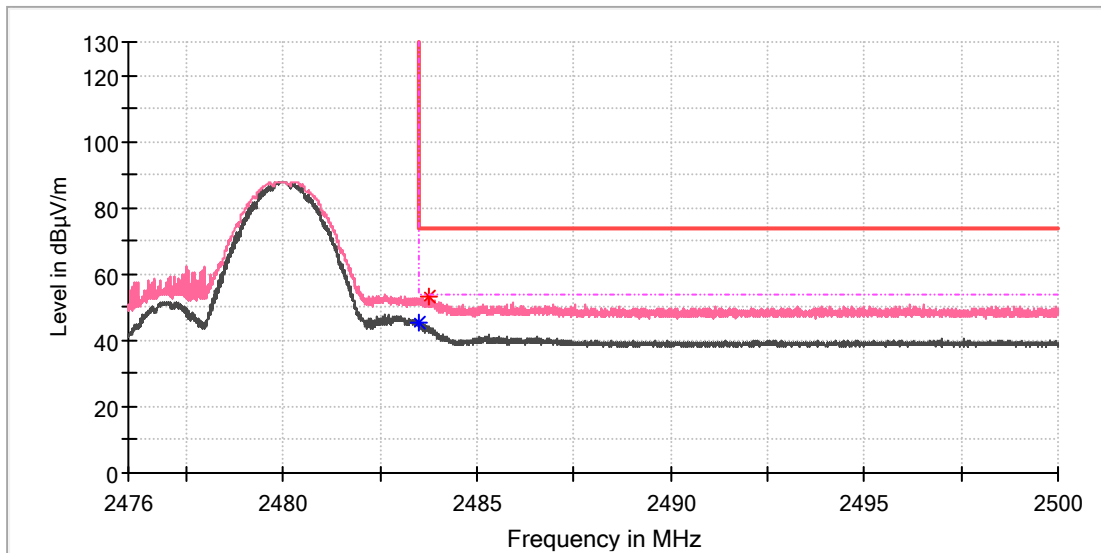
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.503530	---	48.39	54.00	5.61	150.0	H	96.0	7.4
2483.627059	55.27	---	74.00	18.73	150.0	H	90.0	7.4

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: BR_DH5_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

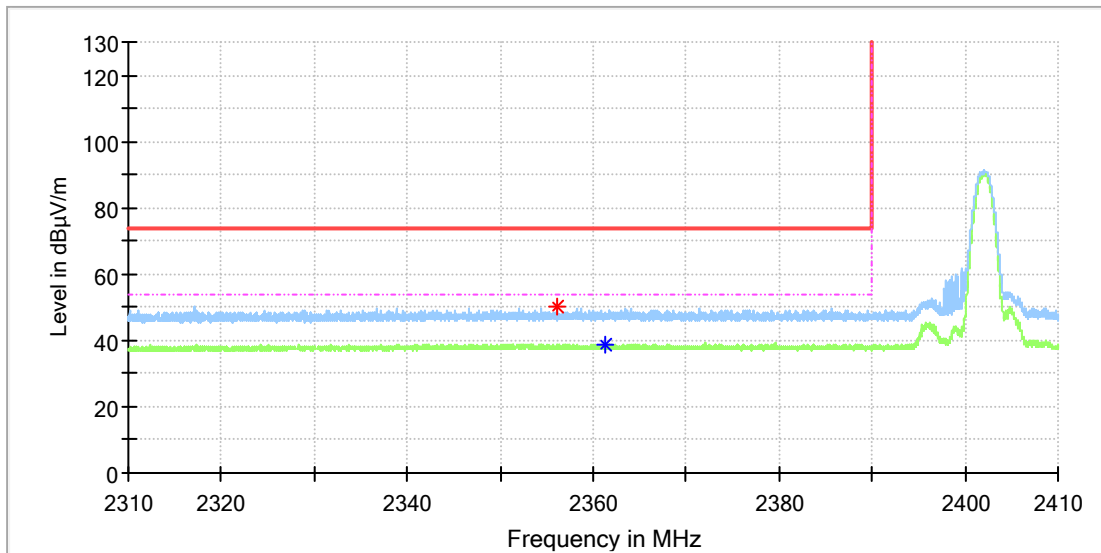
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.521177	---	45.50	54.00	8.50	150.0	V	180.0	7.4
2483.757647	53.00	---	74.00	21.00	150.0	V	180.0	7.4

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: BR_DH5_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



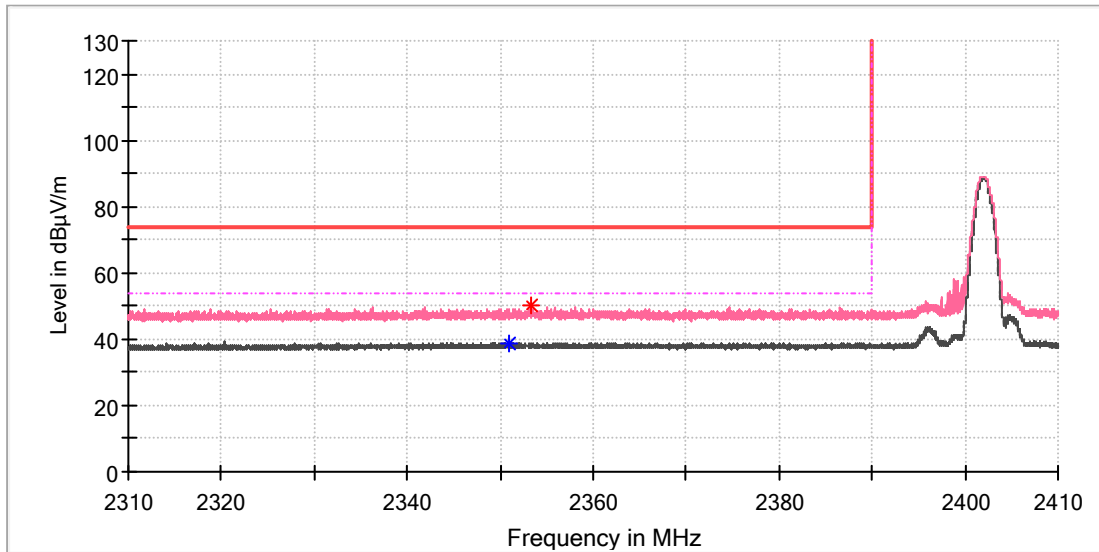
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2356.161765	50.28	---	74.00	23.72	150.0	H	195.0	6.9
2361.338235	---	38.81	54.00	15.19	150.0	H	317.0	6.9

Final Result

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

EUT Name: Bluetooth headset (OpenSwim Pro)
 Model: SHOKZ S710
 Test Mode: BR_DH5_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)
2350.882353	---	38.80	54.00	15.20	150.0	V	68.0	6.9
2353.338235	50.34	---	74.00	23.66	150.0	V	110.0	6.9

Final Result

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