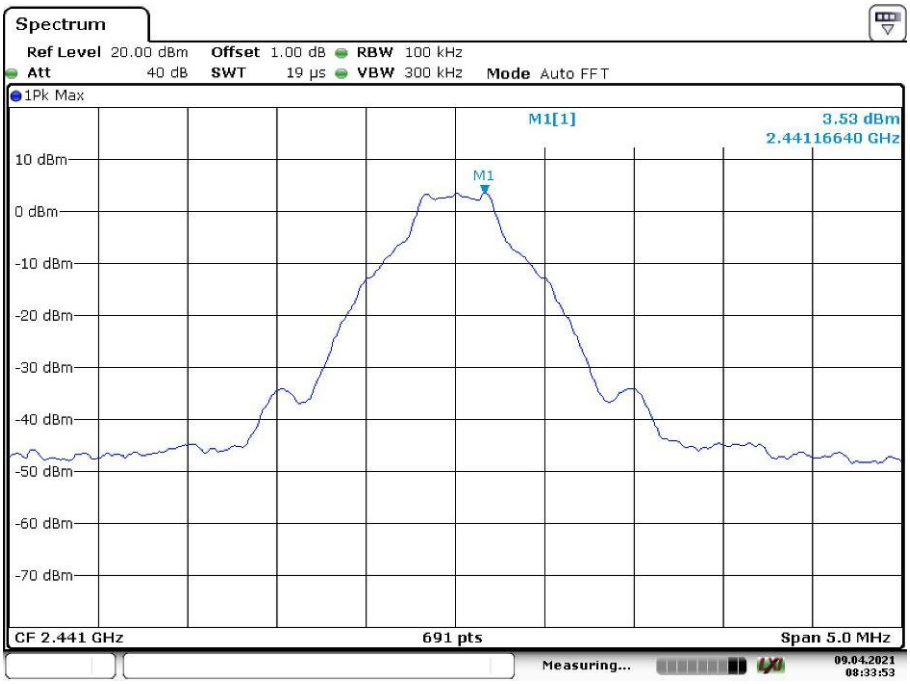
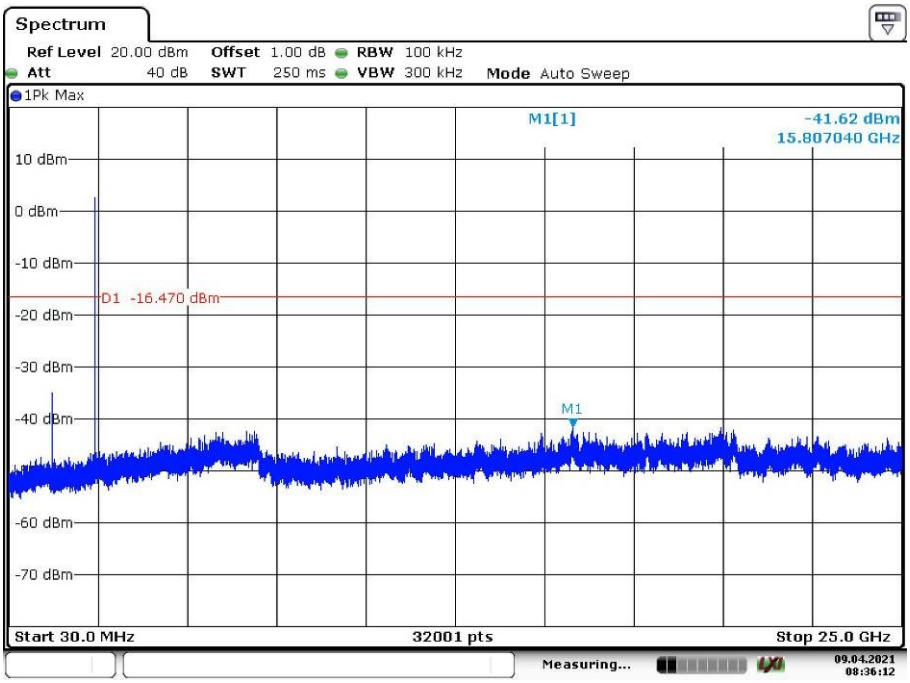
Middle Channel

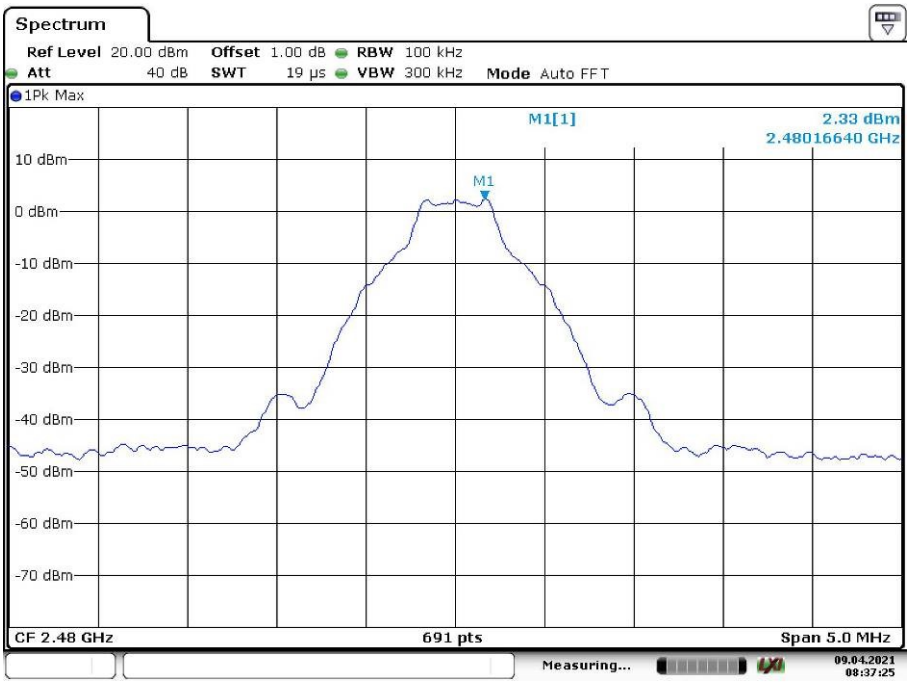


Date: 9.APR.2021 08:33:53

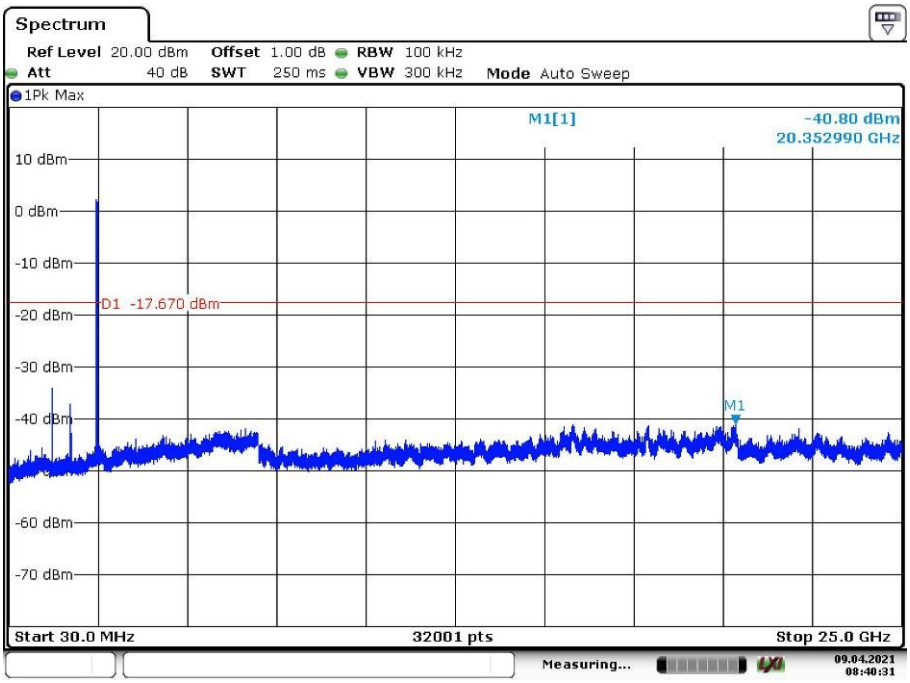


Date: 9.APR.2021 08:36:12

High Channel

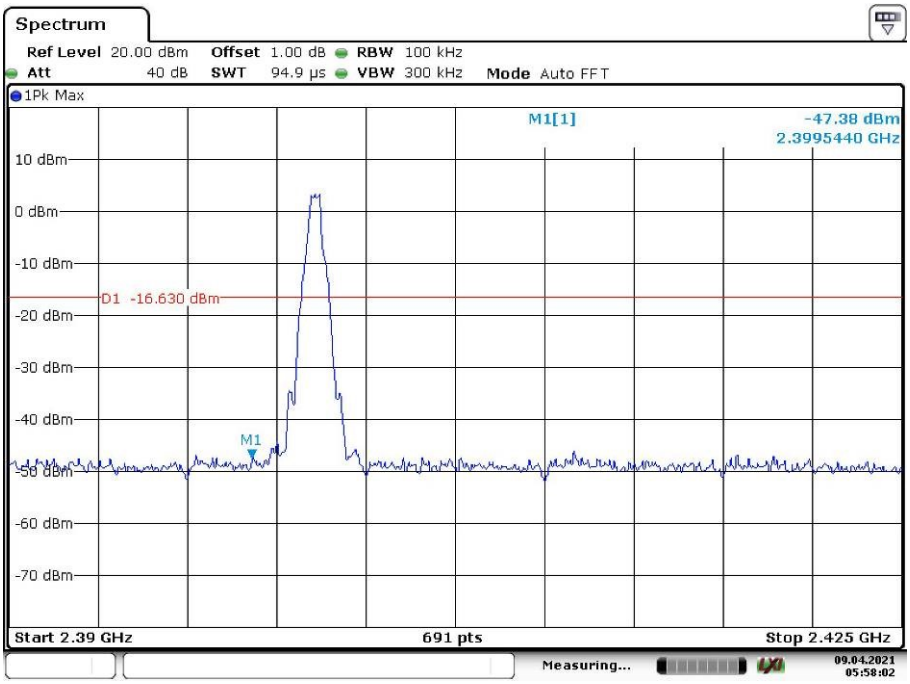


Date: 9.APR.2021 08:37:26



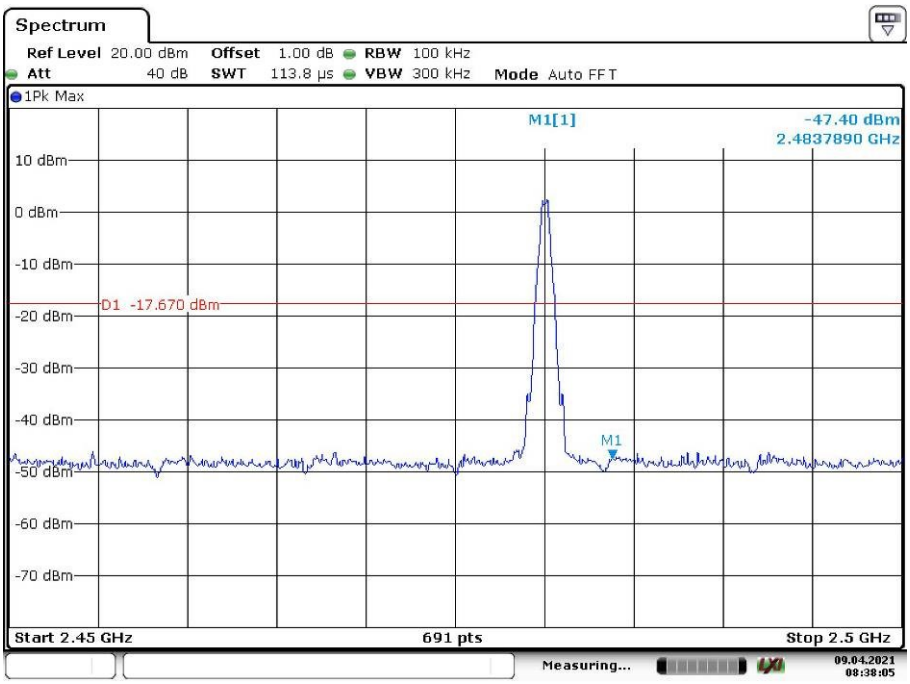
Date: 9.APR.2021 08:40:31

Band Edge, Low Channel



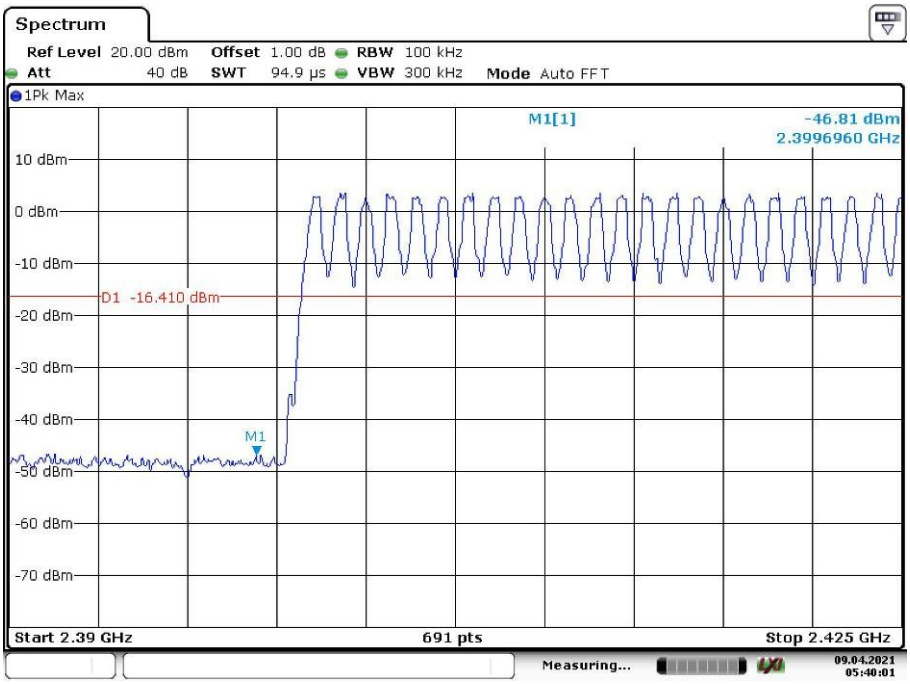
Date: 9.APR.2021 05:58:02

Band Edge, High Channel



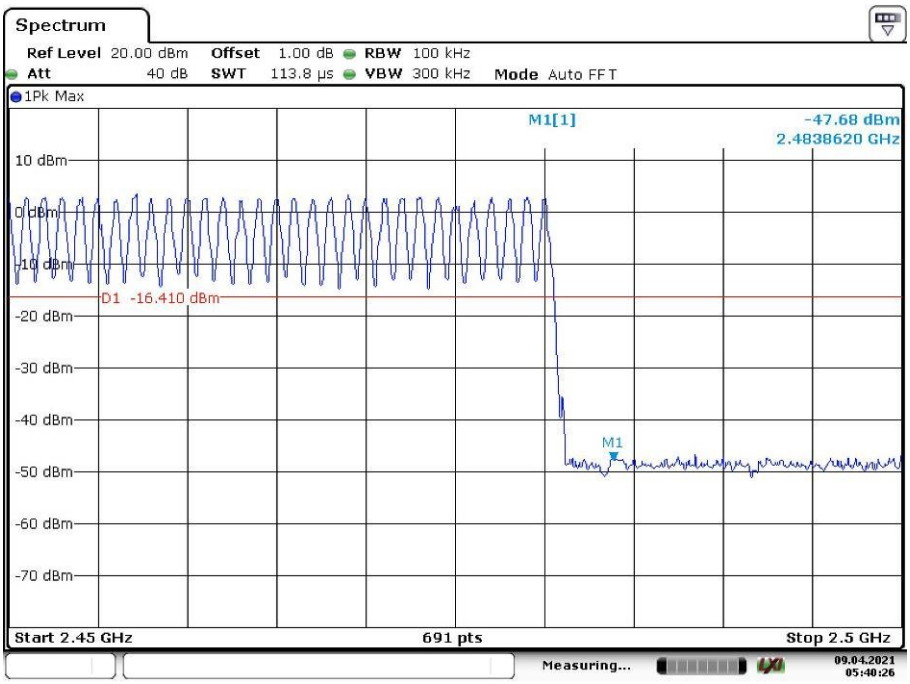
Date: 9.APR.2021 08:38:05

Band Edge, Hopping Mode, Low Channel



Date: 9.APR.2021 05:40:01

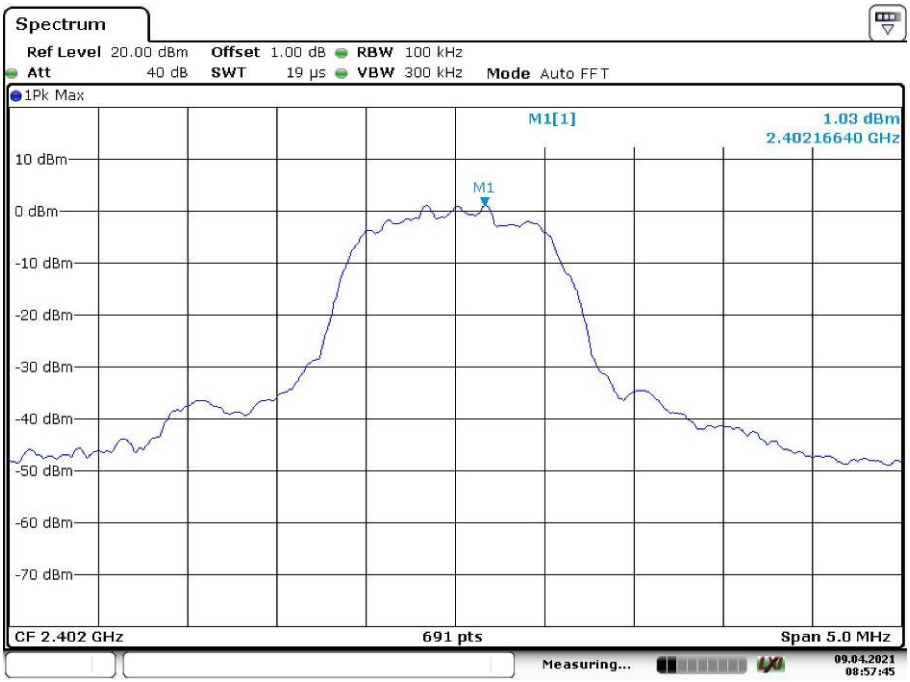
Band Edge, Hopping Mode, High Channle



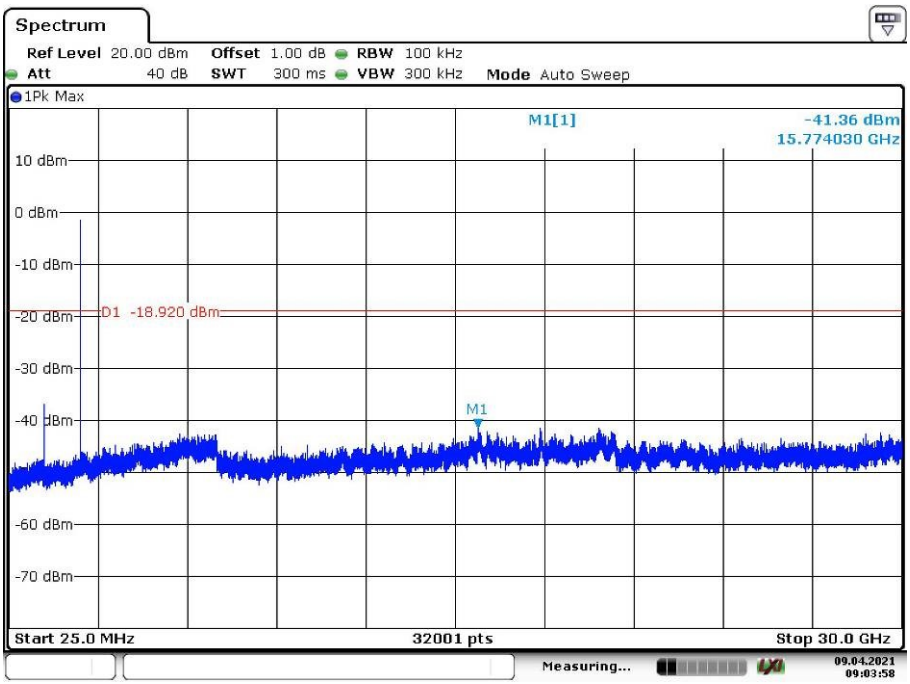
Date: 9.APR.2021 05:40:26

EDR mode (8DPSK)

Low Channel

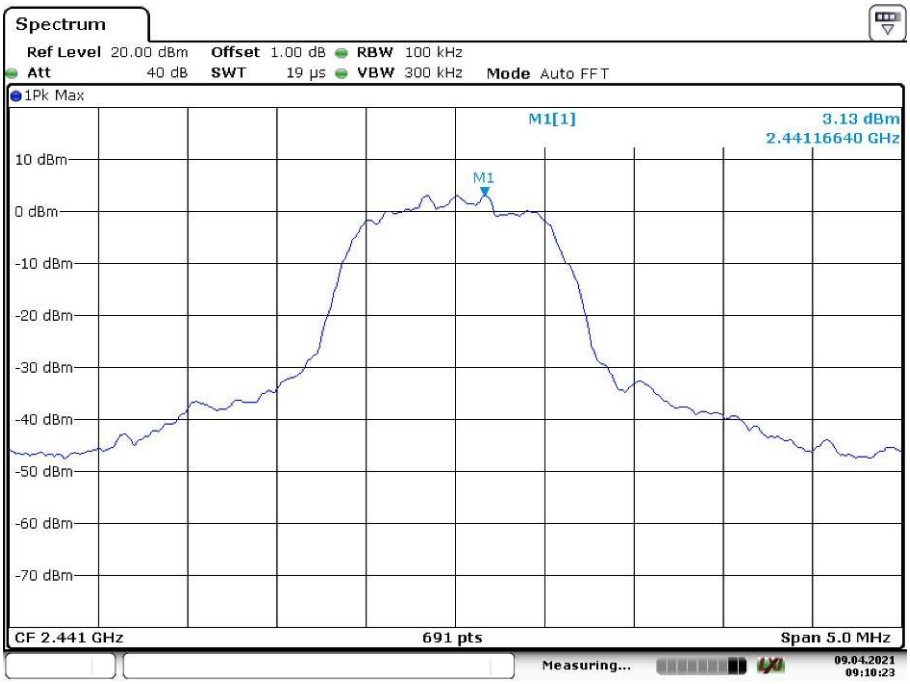


Date: 9.APR.2021 08:57:46

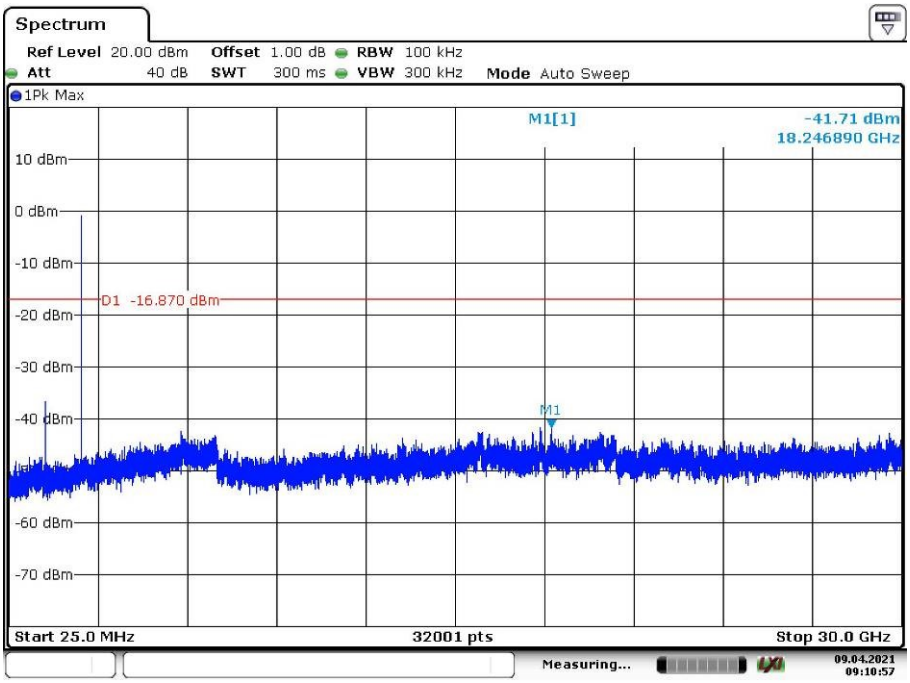


Date: 9.APR.2021 09:03:59

Middle Channel

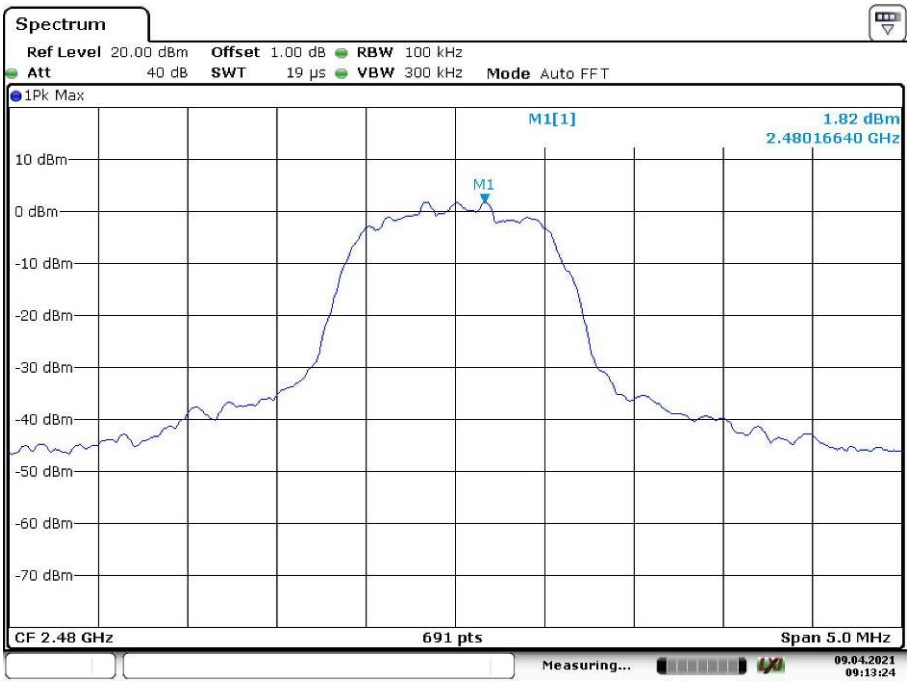


Date: 9.APR.2021 09:10:23

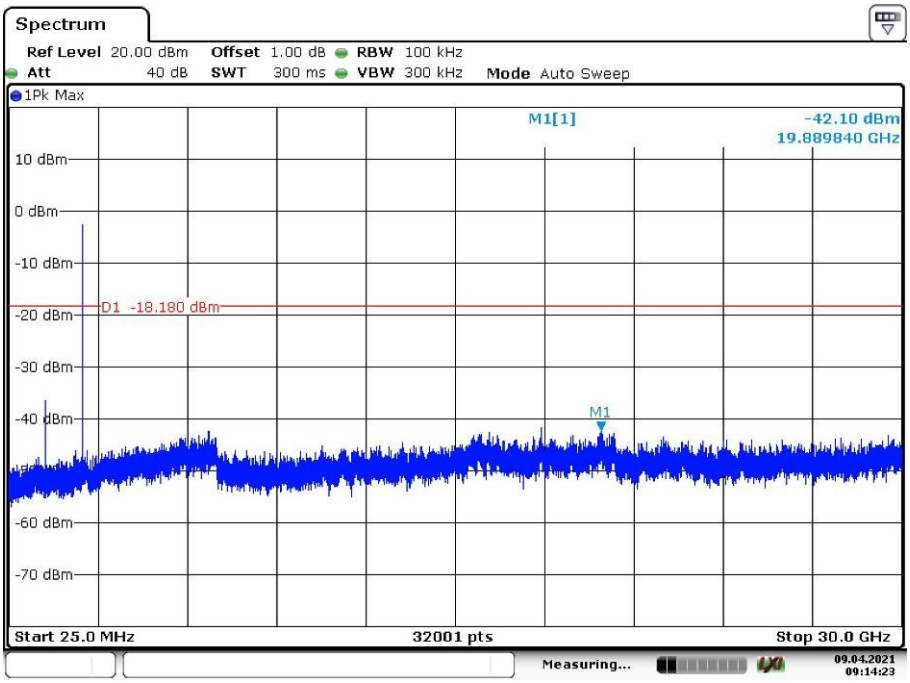


Date: 9.APR.2021 09:10:57

High Channel

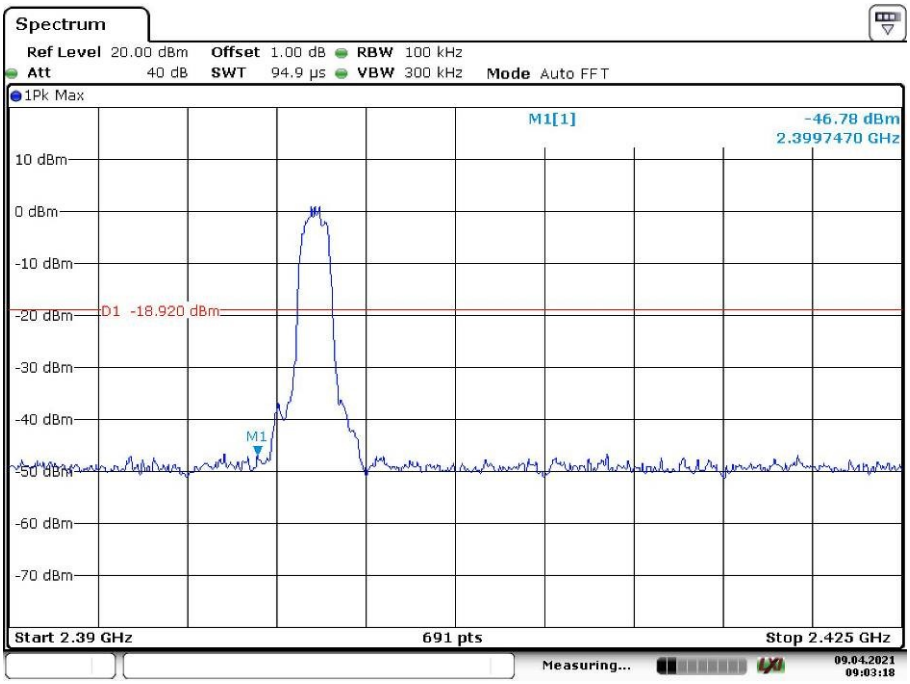


Date: 9.APR.2021 09:13:25



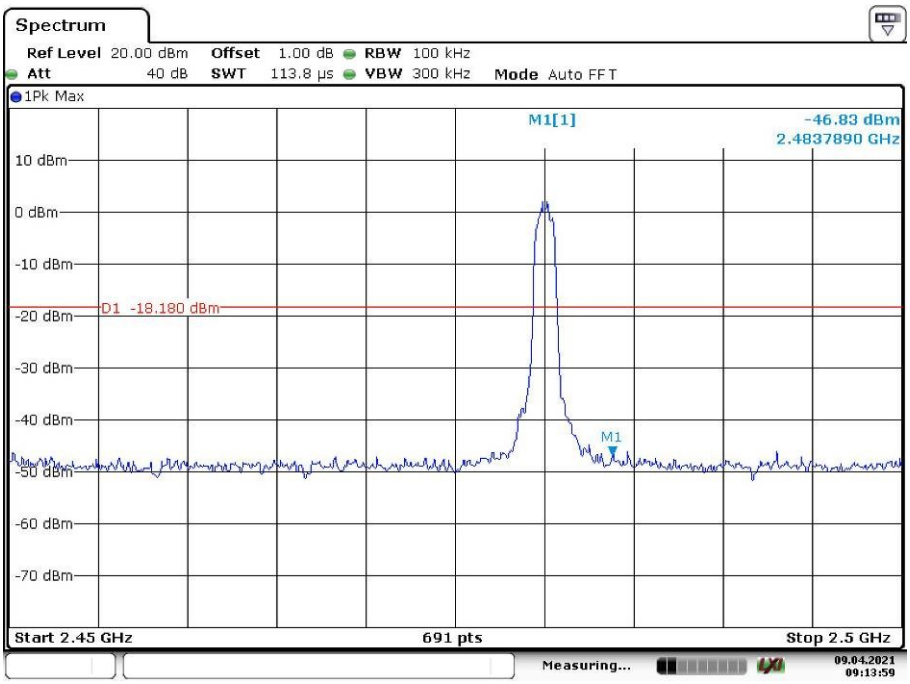
Date: 9.APR.2021 09:14:23

Band Edge, Low Channel



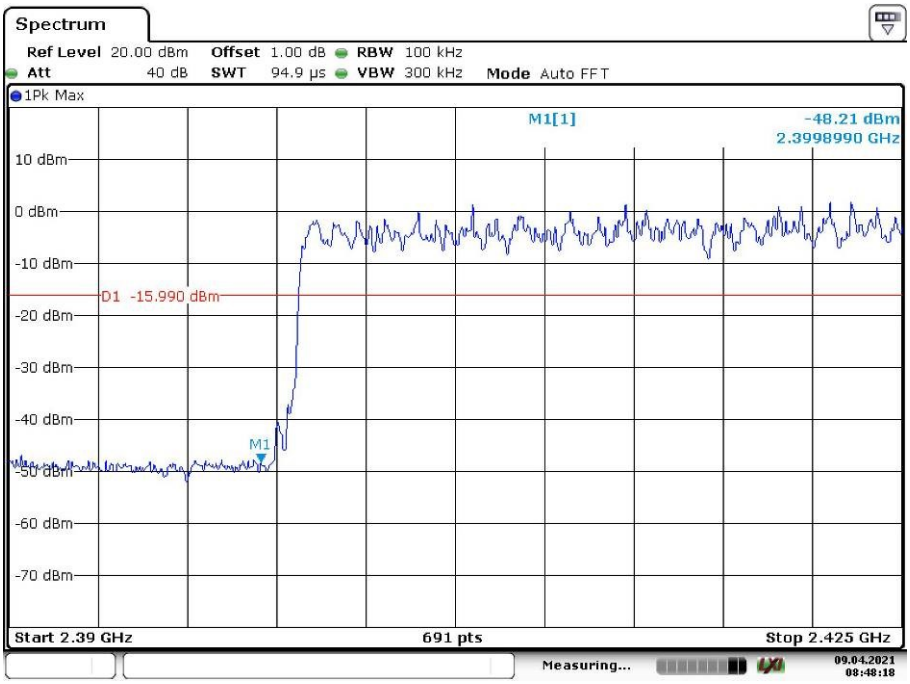
Date: 9.APR.2021 09:03:18

Band Edge, High Channel



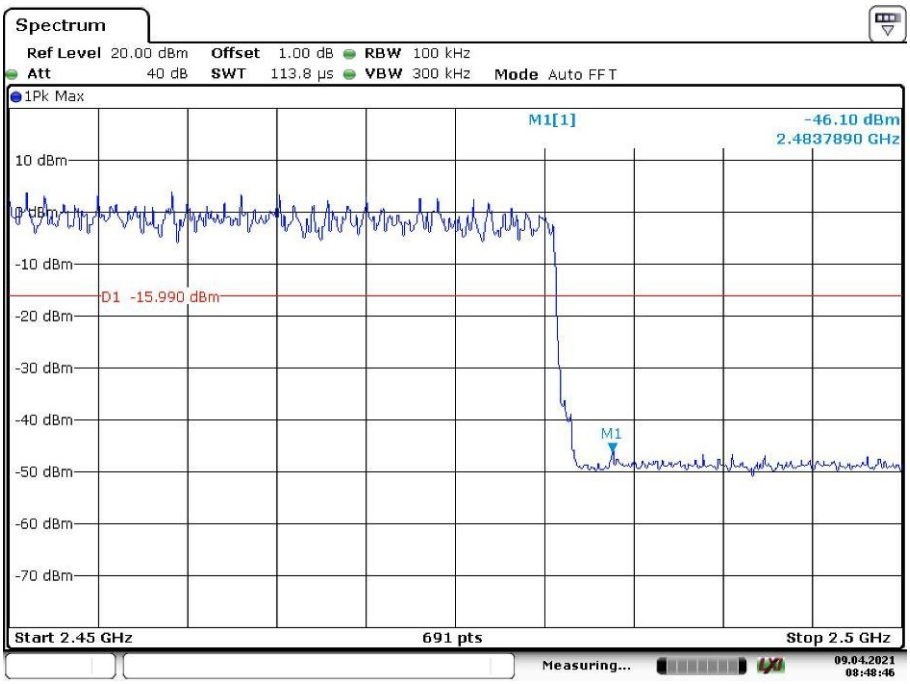
Date: 9.APR.2021 09:13:59

Band Edge, Hopping Mode, Low Channel



Date: 9.APR.2021 08:48:19

Band Edge, Hopping Mode, High Channle



Date: 9.APR.2021 08:48:47

Note: 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.

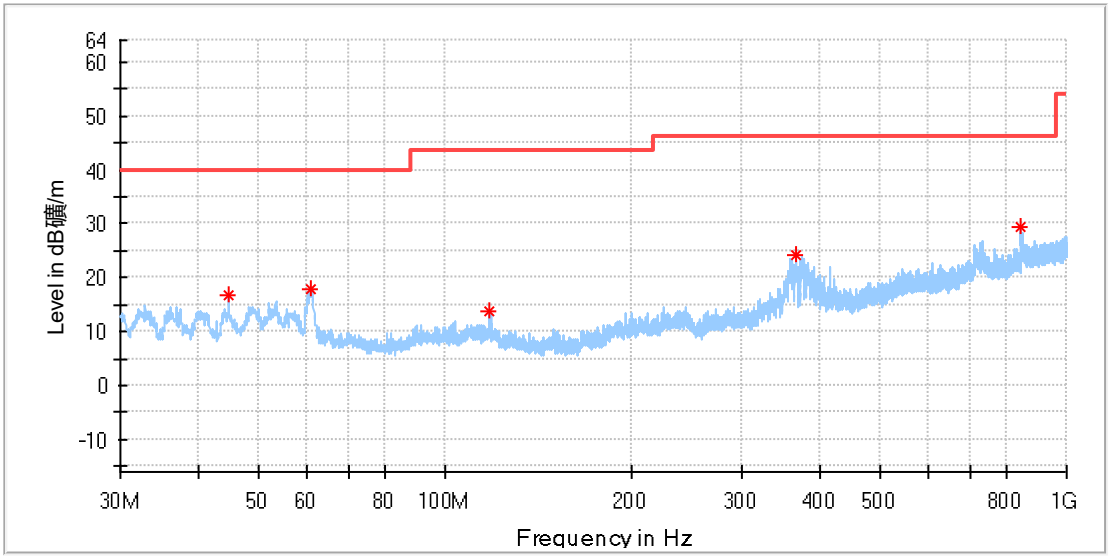
Appendix B.7: Test Results of Radiated Spurious Emissions

Note: This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30MHz - 1GHz

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

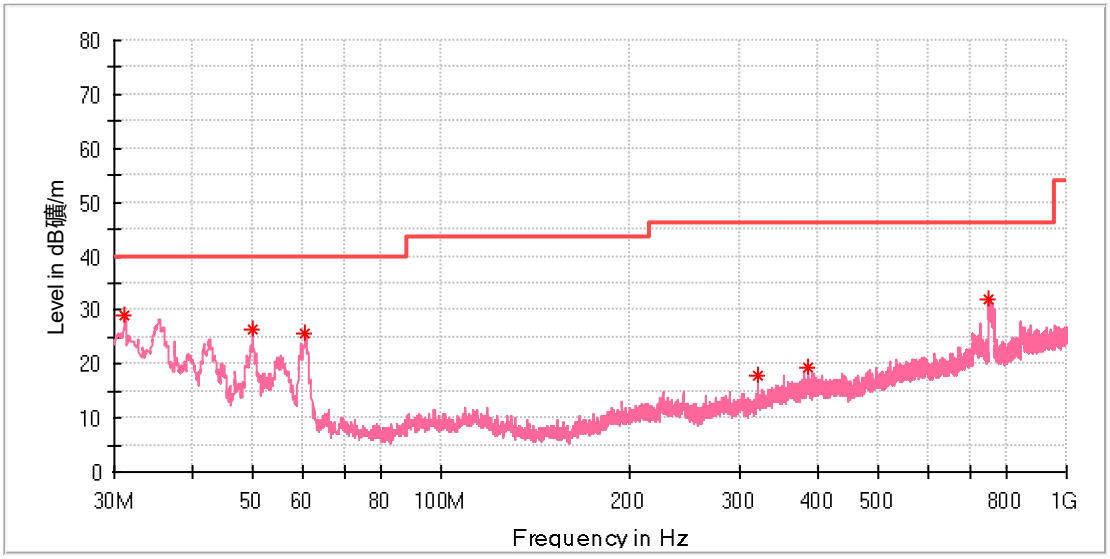
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.744000	16.74	40.00	23.26	100.0	H	0.0	-19.2
60.555000	18.04	40.00	21.96	100.0	H	179.0	-19.4
117.882000	13.61	43.50	29.89	100.0	H	357.0	-20.6
367.172000	24.20	46.00	21.80	100.0	H	71.0	-14.8
844.848500	29.51	46.00	16.49	100.0	H	102.0	-6.0

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

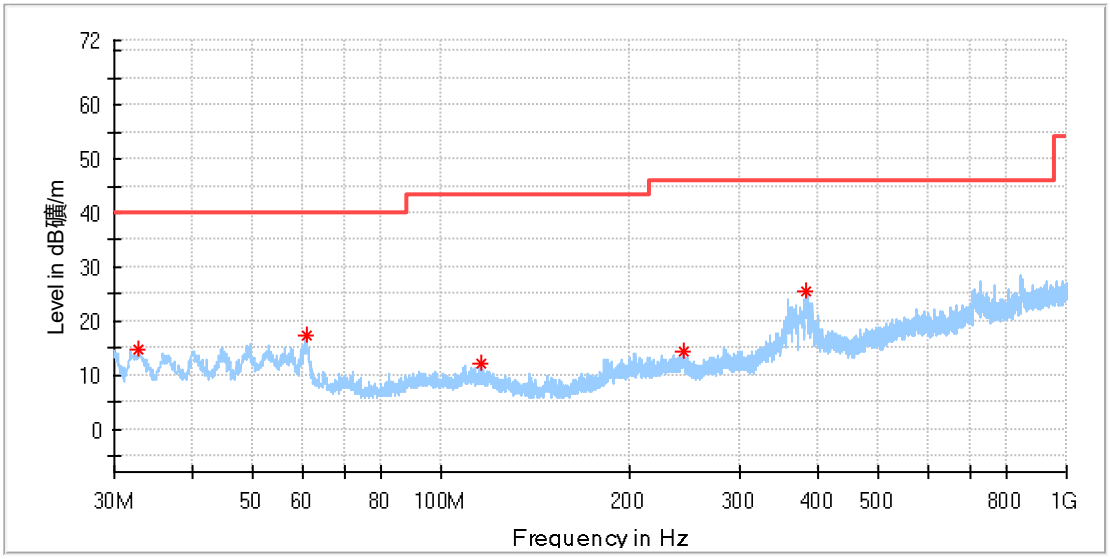
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.212500	28.94	40.00	11.06	100.0	V	13.0	-23.1
49.982000	26.28	40.00	13.72	100.0	V	225.0	-18.6
60.555000	25.58	40.00	14.42	100.0	V	183.0	-19.4
319.981500	17.89	46.00	28.11	100.0	V	132.0	-16.1
385.699000	19.34	46.00	26.66	100.0	V	115.0	-14.4
749.352000	31.89	46.00	14.11	100.0	V	123.0	-7.6

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

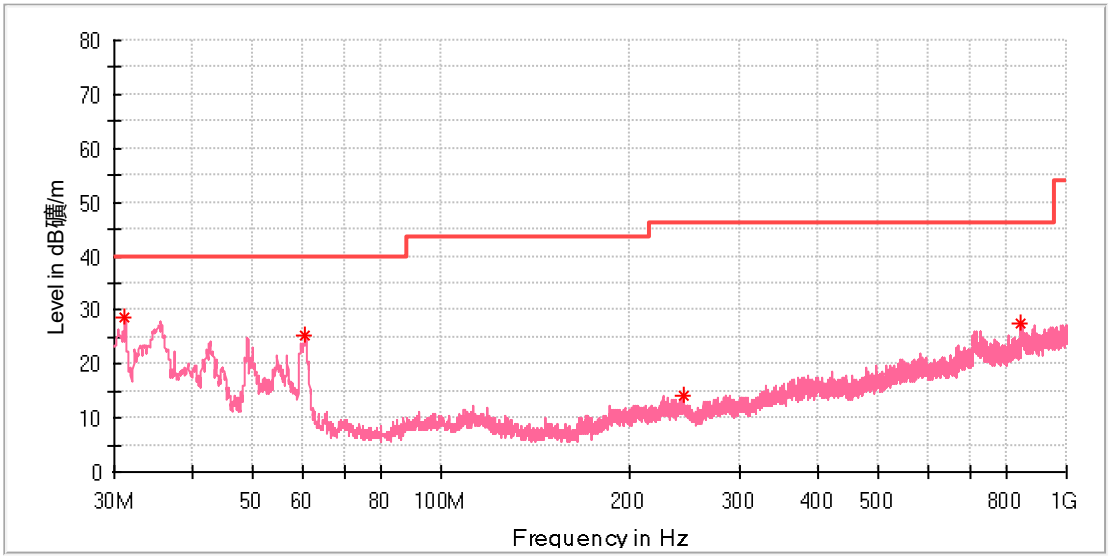
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.716000	14.77	40.00	25.23	100.0	H	31.0	-22.8
60.991500	17.44	40.00	22.56	100.0	H	67.0	-19.5
115.457000	12.04	43.50	31.46	100.0	H	22.0	-20.1
243.885000	14.51	46.00	31.49	100.0	H	197.0	-17.9
381.819000	25.30	46.00	20.70	100.0	H	86.0	-14.5

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 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)
31.212500	28.52	40.00	11.48	100.0	V	80.0	-23.1
60.555000	25.29	40.00	14.71	100.0	V	204.0	-19.4
244.127500	14.17	46.00	31.83	100.0	V	117.0	-17.9
844.897000	27.42	46.00	18.58	100.0	V	339.0	-6.0

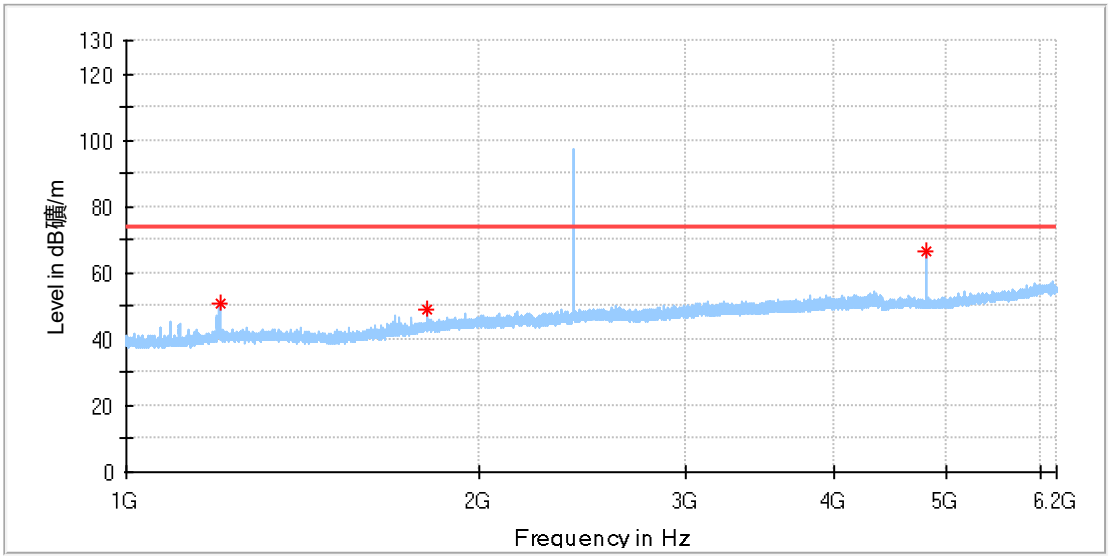
Final_Result

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:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

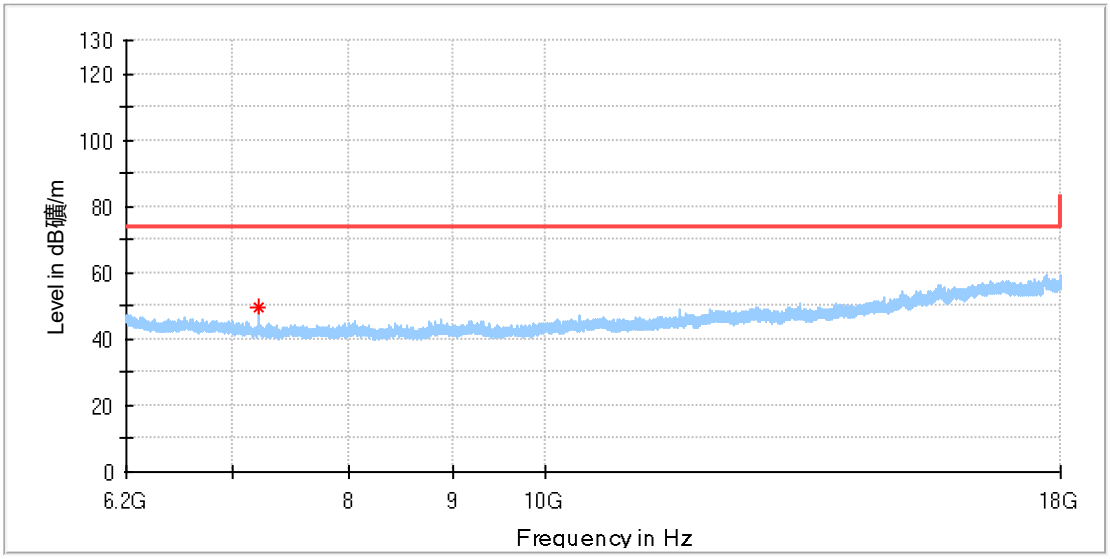
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.940000	50.71	---	74.00	23.29	100.0	H	80.0	1.1
1801.550000	49.14	---	74.00	24.86	100.0	H	128.0	4.7
4803.500000	66.80	---	74.00	7.20	100.0	H	210.0	11.8
4803.500000		35.99	54.00	18.01	100.0	H	210.0	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:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

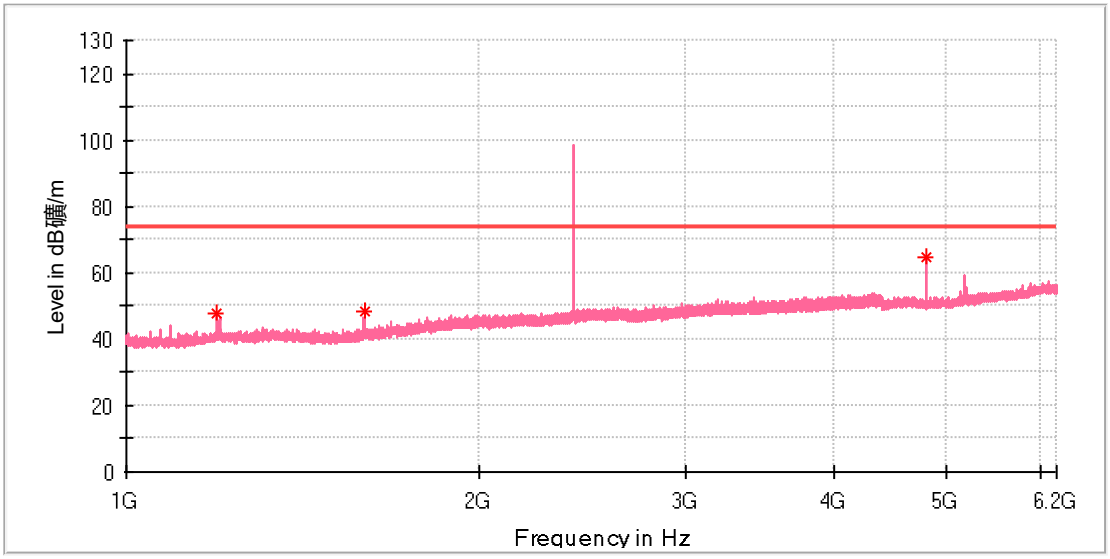
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	49.87	---	74.00	24.13	100.0	H	293.0	8.8

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

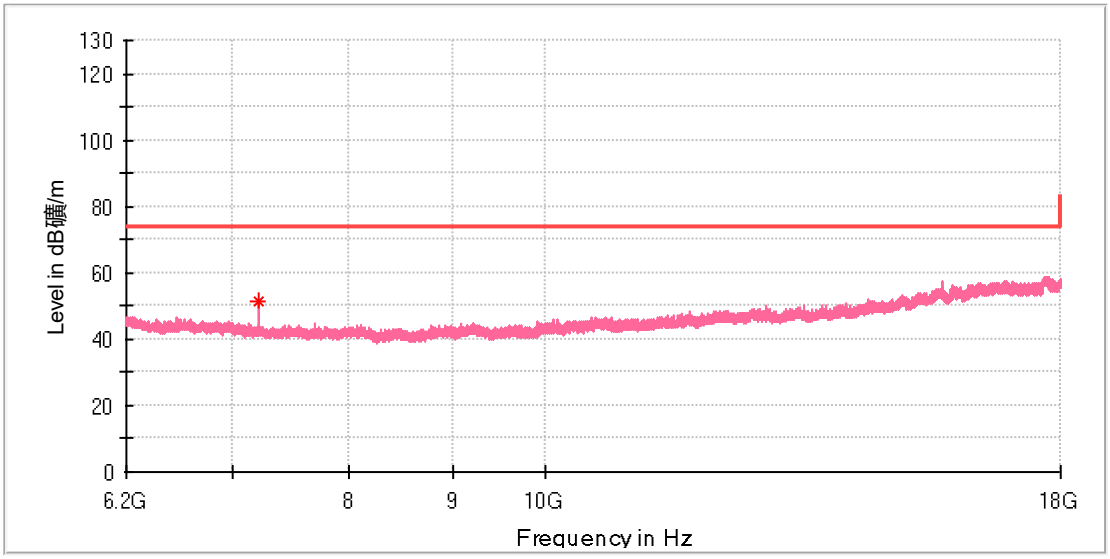
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1194.480000	47.61	---	74.00	26.39	100.0	V	0.0	1.1
1597.380000	48.31	---	74.00	25.69	100.0	V	112.0	2.1
4804.000000	64.93	---	74.00	9.07	100.0	V	138.0	11.8
4804.000000		34.12	54.00	19.88	100.0	V	138.0	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:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

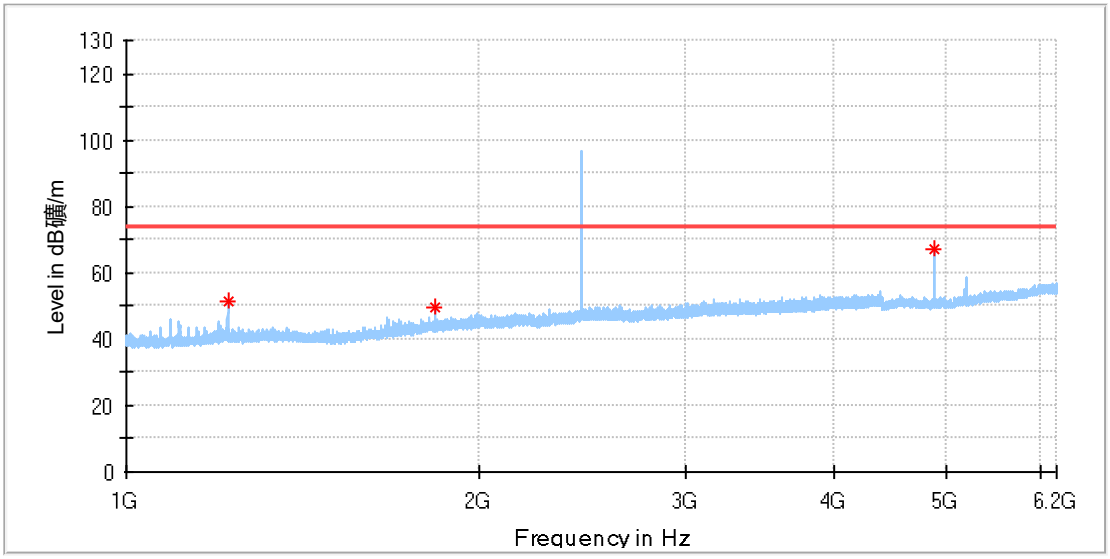
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	51.60	---	74.00	22.40	100.0	V	0.0	8.8

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Mid channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

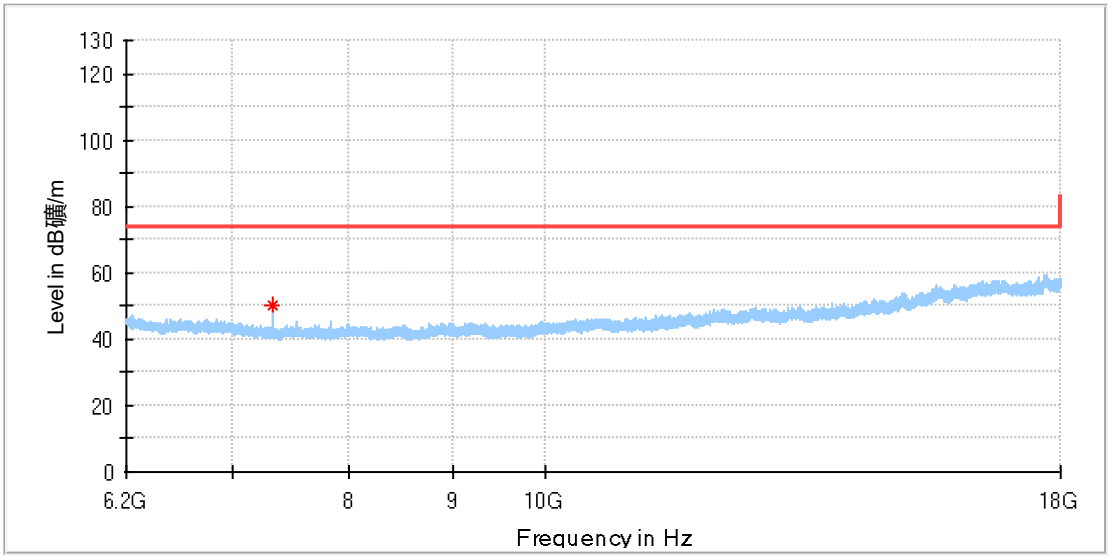
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1220.490000	51.26	---	74.00	22.74	100.0	H	86.0	1.4
1830.620000	49.77	---	74.00	24.23	100.0	H	133.0	4.9
4882.500000	66.87	---	74.00	7.13	100.0	H	214.0	11.8
4882.500000		36.06	54.00	17.94	100.0	H	214.0	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:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Mid channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

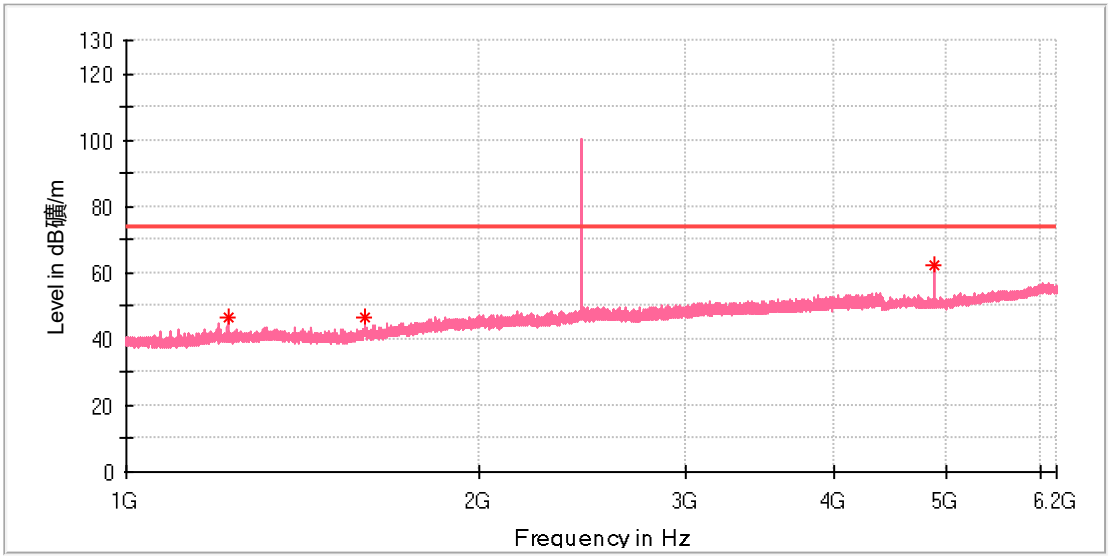
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.966667	50.04	---	74.00	23.96	100.0	H	181.0	8.2

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Mid channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

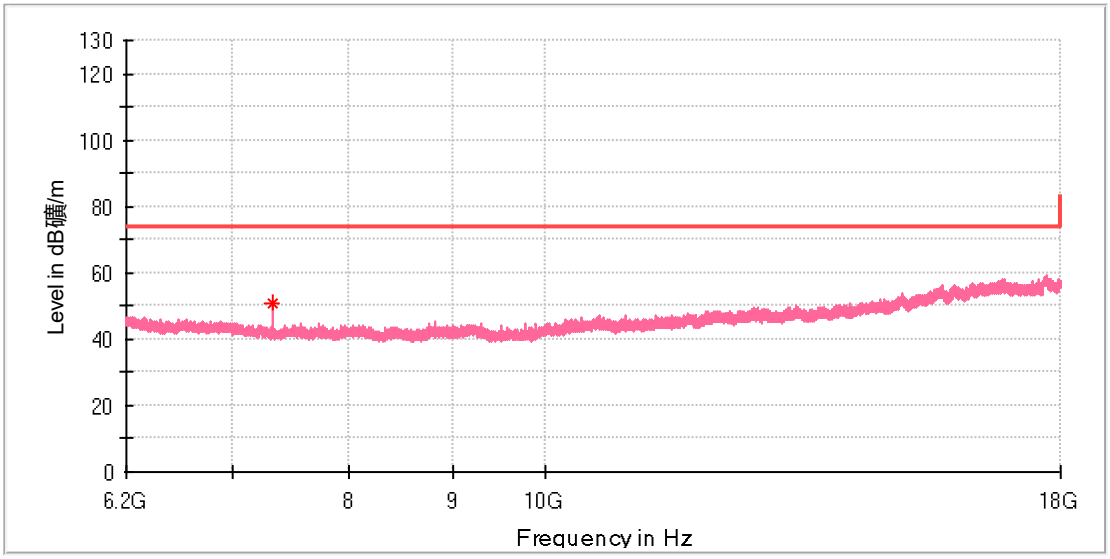
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1220.320000	46.42	---	74.00	27.58	100.0	V	0.0	1.4
1597.720000	46.62	---	74.00	27.38	100.0	V	113.0	2.1
4882.000000	62.42	---	74.00	11.58	100.0	V	107.0	11.8
4882.000000		31.61	54.00	22.39	100.0	V	107.0	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:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Mid channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

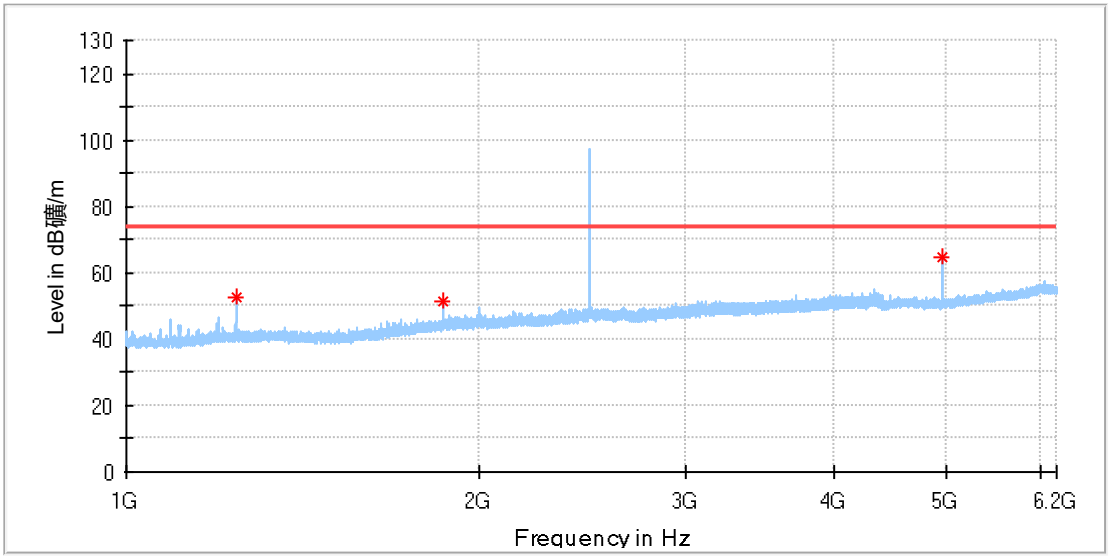
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.983333	50.64	---	74.00	23.36	100.0	V	0.0	8.2

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

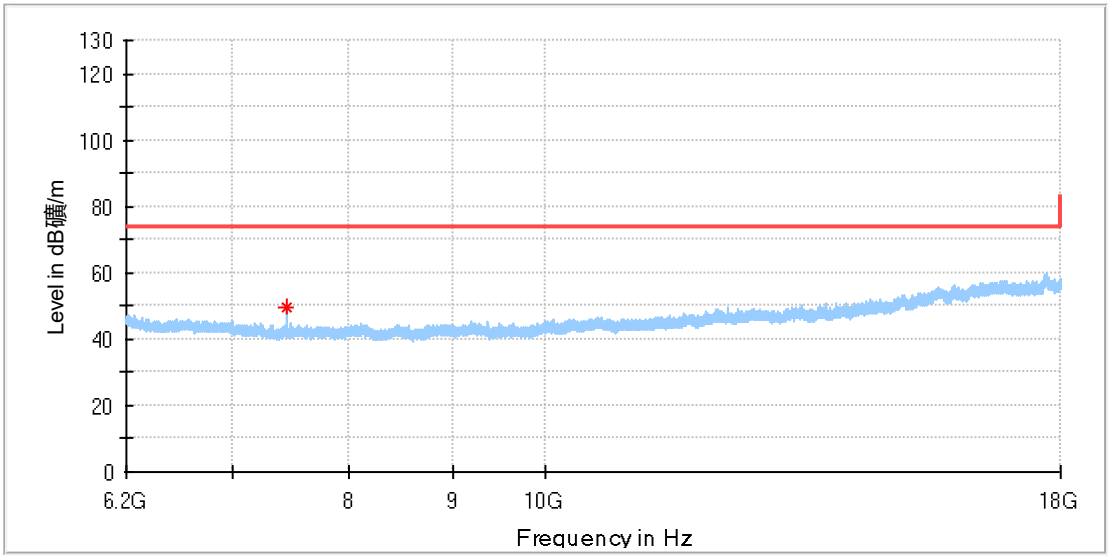
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1239.870000	52.31	---	74.00	21.69	100.0	H	89.0	1.7
1859.860000	51.16	---	74.00	22.84	100.0	H	130.0	5.1
4959.500000	64.97	---	74.00	9.03	100.0	H	245.0	11.8
4959.500000		34.16	54.00	19.84	100.0	H	245.0	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:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

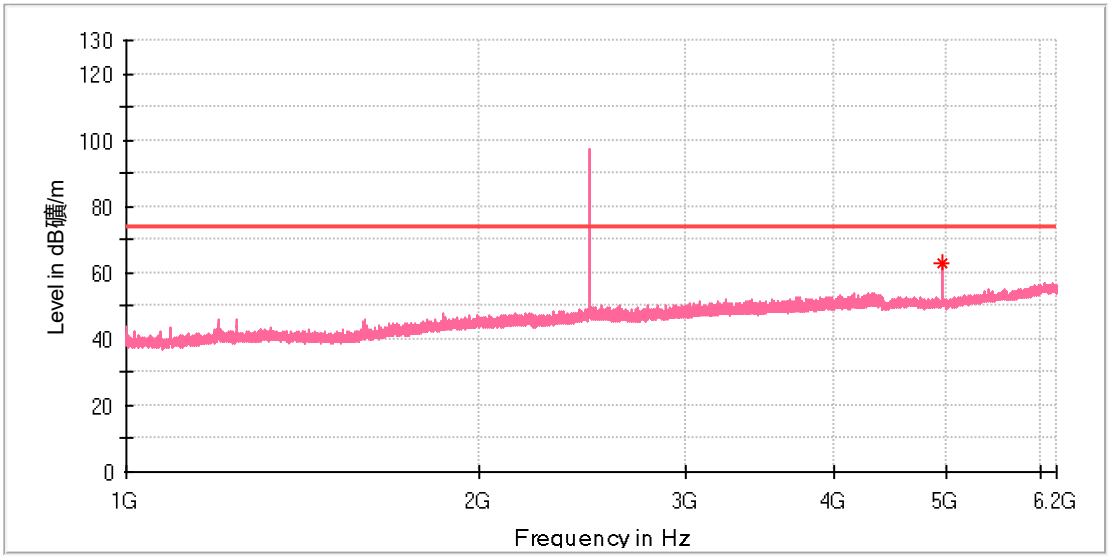
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.000000	49.43	---	74.00	24.57	100.0	H	165.0	8.4

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

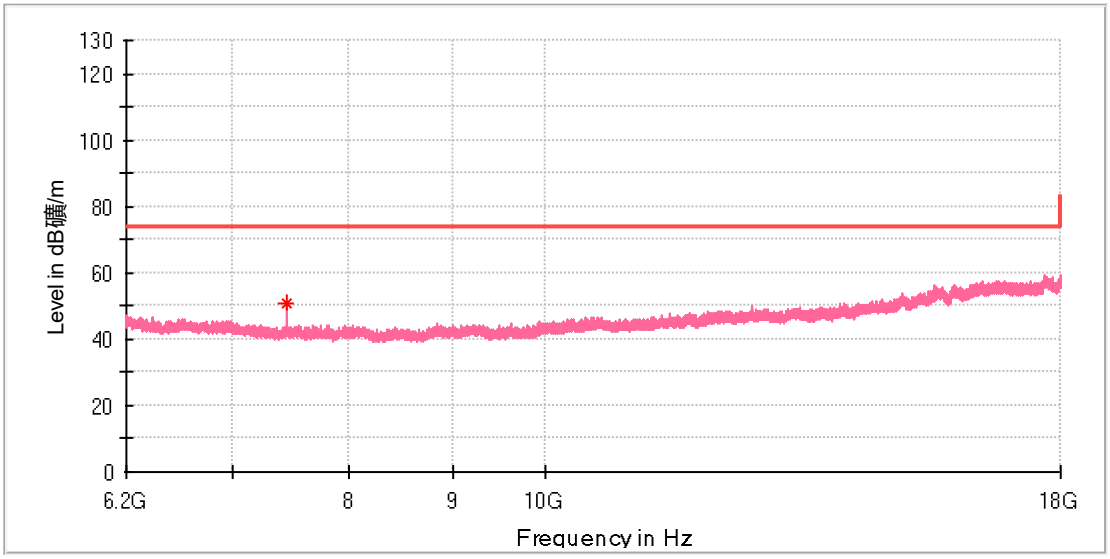
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	62.67	---	74.00	11.33	100.0	V	105.0	11.8
4959.500000		31.86	54.00	22.14	100.0	V	105.0	11.8

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 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)
7439.983333	50.85	---	74.00	23.15	100.0	V	0.0	8.4

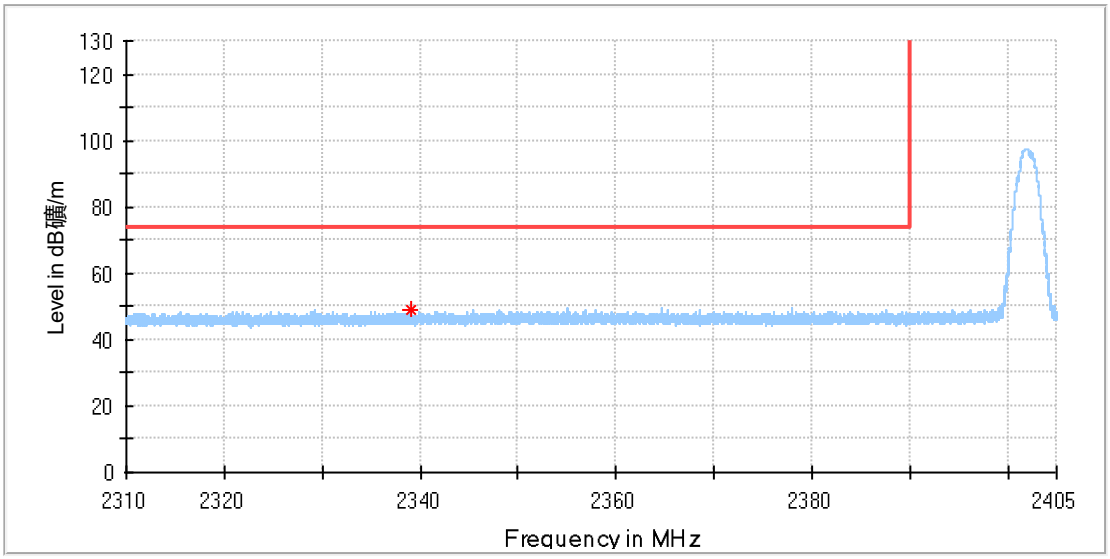
Final_Result

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

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

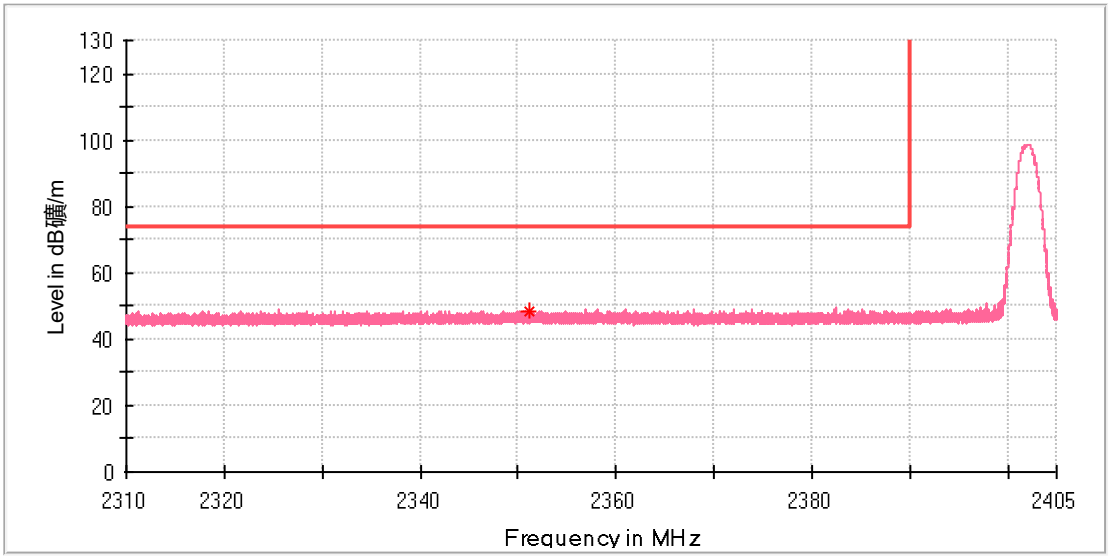
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2339.165000	48.97	---	74.00	25.03	100.0	H	117.0	6.8

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_Low channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

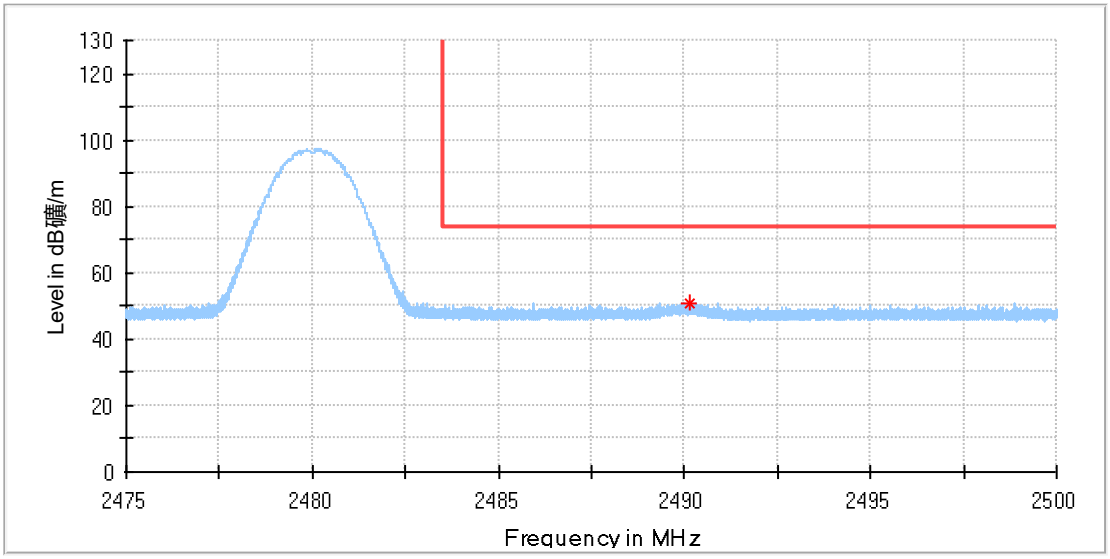
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2351.059000	48.59	---	74.00	25.41	100.0	V	96.0	6.9

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

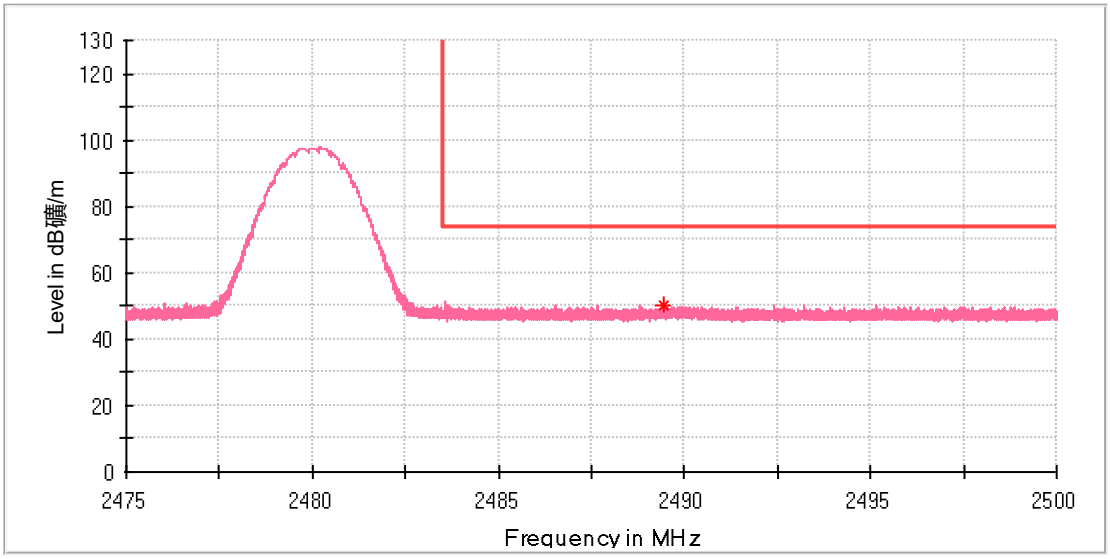
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2490.113750	50.83	---	74.00	23.17	100.0	H	69.0	7.4

Final_Result

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

EUT Information

EUT Name:	OpenRun Pro
Model:	S810
Test Mode:	BDR_DH5_High channel
Test Voltage::	DC 5V from adaptor
Remark:	Temp 23 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)
2489.435000	50.31	---	74.00	23.69	100.0	V	324.0	7.4

Final_Result

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