

APPENDIX C: TEST RESULTS OF BLUETOOTH (LOW ENERGY)

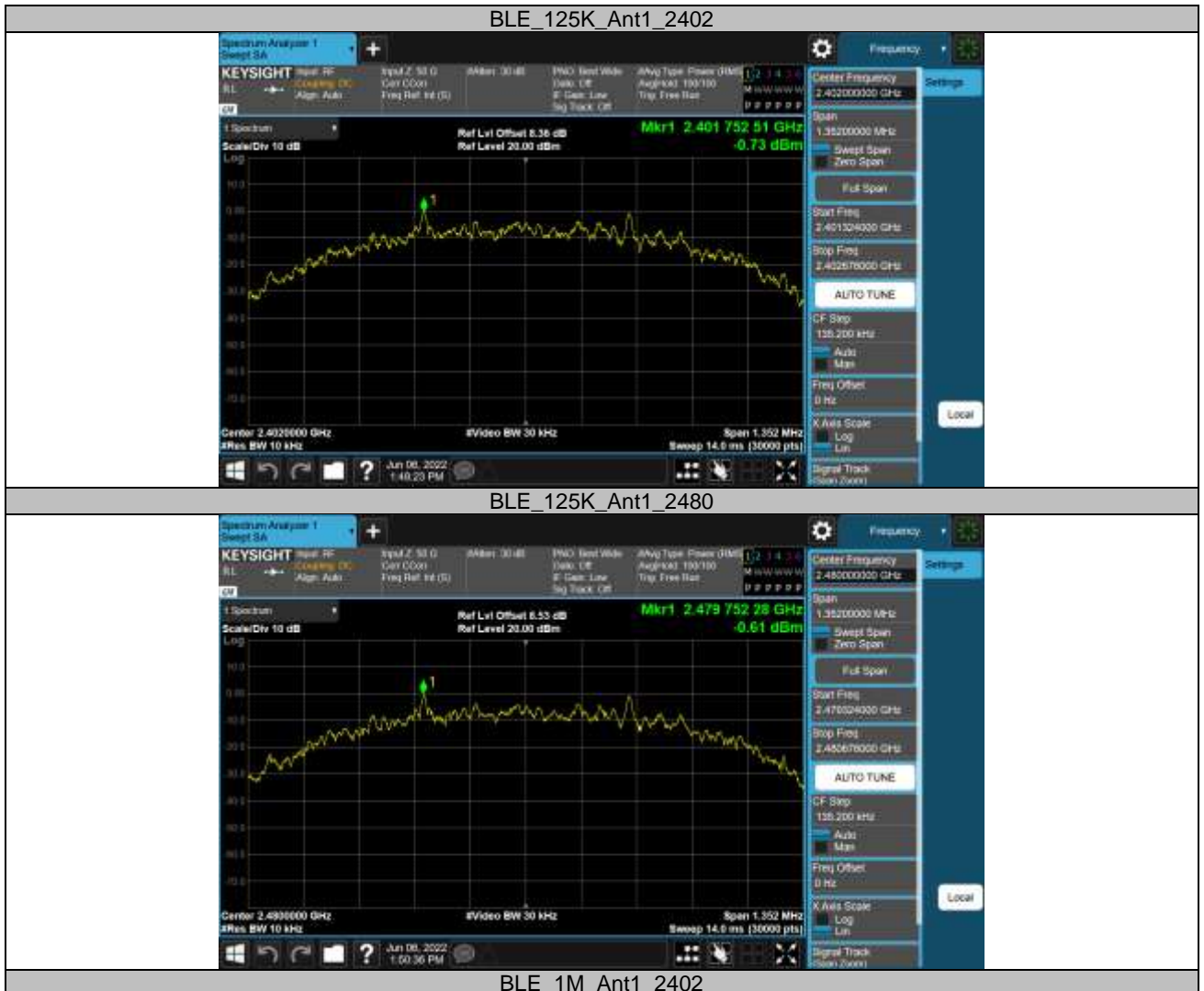
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APPENDIX C.1: CONDUCTED POWER SPECTRAL DENSITY

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_125K	Ant1	2402	-0.73	≤8.00	PASS
		2480	-0.61	≤8.00	PASS
BLE_1M	Ant1	2402	-9.89	≤8.00	PASS
		2440	-10.18	≤8.00	PASS
BLE_2M	Ant1	2402	-4.83	≤8.00	PASS
		2440	-5.09	≤8.00	PASS
		2480	-4.98	≤8.00	PASS
BLE_500K	Ant1	2402	-0.72	≤8.00	PASS
		2480	0	≤8.00	PASS

Test Graphs



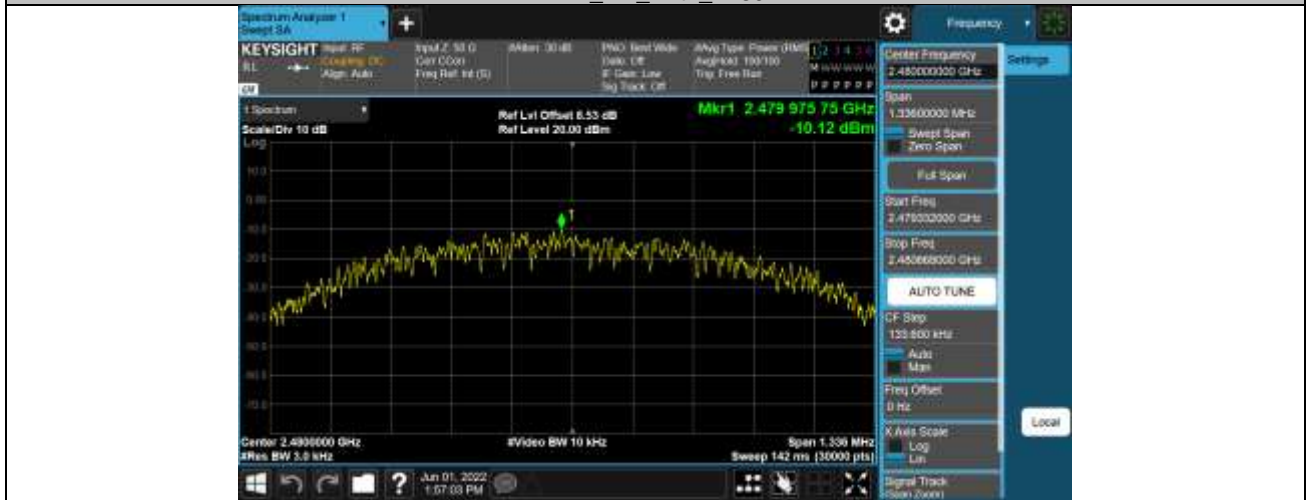
Appendix C
CN23GWPE 001



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402

Appendix C
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Prüfbericht - Produkte
Test Report - Products



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



BLE_500K_Ant1_2402

Appendix C
CN23GWPE 001



BLE_500K_Ant1_2480



APPENDIX C.2: 6dB BANDWIDTH

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_125K	Ant1	2402	0.676	2401.668	2402.344	0.5	PASS
		2440	0.696	2439.644	2440.340	0.5	PASS
		2480	0.676	2479.672	2480.348	0.5	PASS
BLE_1M	Ant1	2402	0.700	2401.640	2402.340	0.5	PASS
		2440	0.740	2439.620	2440.360	0.5	PASS
		2480	0.668	2479.668	2480.336	0.5	PASS
BLE_2M	Ant1	2402	1.132	2401.444	2402.576	0.5	PASS
		2440	1.180	2439.408	2440.588	0.5	PASS
		2480	1.232	2479.348	2480.580	0.5	PASS
BLE_500K	Ant1	2402	0.708	2401.644	2402.352	0.5	PASS
		2440	0.612	2439.700	2440.312	0.5	PASS
		2480	0.720	2479.644	2480.364	0.5	PASS

Test Graphs



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Prüfbericht - Produkte
Test Report - Products



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

Appendix C
CN23GWPE 001

Prüfbericht - Produkte
Test Report - Products



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

Appendix C
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Prüfbericht - Produkte
Test Report - Products



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480

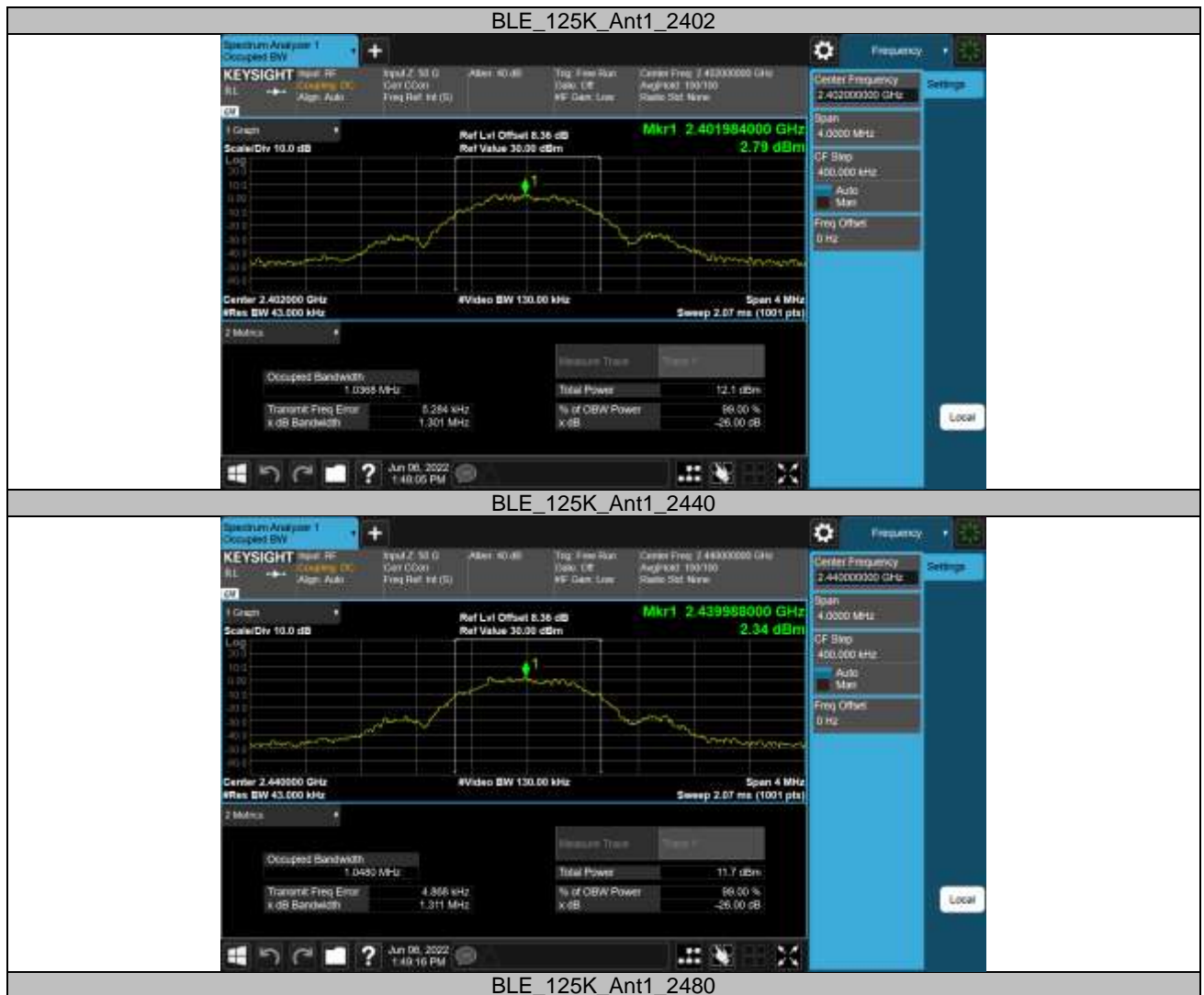


APPENDIX C.3: 99% BANDWIDTH

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_125K	Ant1	2402	1.0368	2401.487	2402.524	---	---
		2440	1.0480	2439.481	2440.529	---	---
		2480	1.0341	2479.488	2480.522	---	---
BLE_1M	Ant1	2402	1.0449	2401.489	2402.534	---	---
		2440	1.0533	2439.480	2440.533	---	---
		2480	1.0524	2479.482	2480.535	---	---
BLE_2M	Ant1	2402	2.0515	2400.990	2403.042	---	---
		2440	2.0382	2438.998	2441.036	---	---
		2480	2.0478	2478.993	2481.040	---	---
BLE_500K	Ant1	2402	1.0628	2401.472	2402.535	---	---
		2440	1.0722	2439.468	2440.540	---	---
		2480	1.0731	2479.468	2480.541	---	---

Test Graphs





BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480

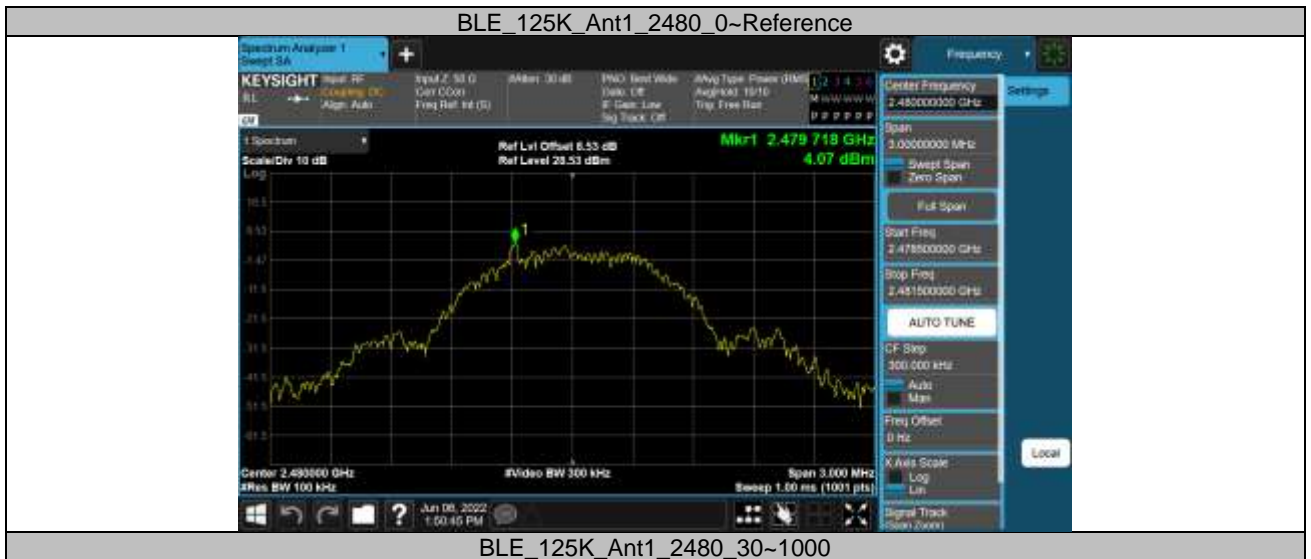


APPENDIX C.4: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_125K	Ant1	2480	Reference	4.07	4.07	---	PASS
			30~1000	4.07	-62.38	≤-15.93	PASS
			1000~26500	4.07	-51.72	≤-15.93	PASS
BLE_1M	Ant1	2402	Reference	3.80	3.80	---	PASS
			30~1000	3.80	-62.95	≤-16.2	PASS
			1000~26500	3.80	-49.43	≤-16.2	PASS
		2440	Reference	3.78	3.78	---	PASS
			30~1000	3.78	-62.63	≤-16.22	PASS
			1000~26500	3.78	-49.73	≤-16.22	PASS
		2480	Reference	3.93	3.93	---	PASS
			30~1000	3.93	-61.96	≤-16.07	PASS
			1000~26500	3.93	-50.66	≤-16.07	PASS
BLE_2M	Ant1	2402	Reference	4.96	4.96	---	PASS
			30~1000	4.96	-63.03	≤-15.04	PASS
			1000~26500	4.96	-53.49	≤-15.04	PASS
		2440	Reference	1.73	1.73	---	PASS
			30~1000	1.73	-62.64	≤-18.27	PASS
			1000~26500	1.73	-50.95	≤-18.27	PASS
		2480	Reference	4.81	4.81	---	PASS
			30~1000	4.81	-62.65	≤-15.19	PASS
			1000~26500	4.81	-52.66	≤-15.19	PASS
BLE_500K	Ant1	2402	Reference	1.77	1.77	---	PASS
			30~1000	1.77	-62.07	≤-18.23	PASS
			1000~26500	1.77	-51.62	≤-18.23	PASS

Test Graphs





BLE_125K_Ant1_2480_1000~26500



BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



BLE_2M_Ant1_2402_1000~26500



BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



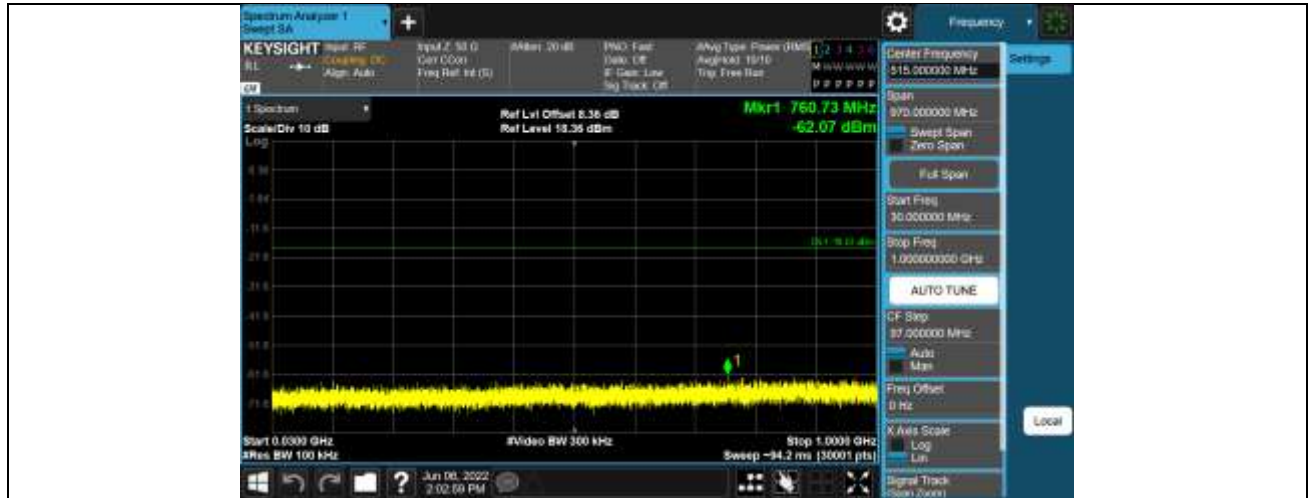
BLE_2M_Ant1_2480_1000~26500



BLE_500K_Ant1_2402_0~Reference



BLE_500K_Ant1_2402_30~1000



BLE_500K_Ant1_2402_1000~26500



Band Edge

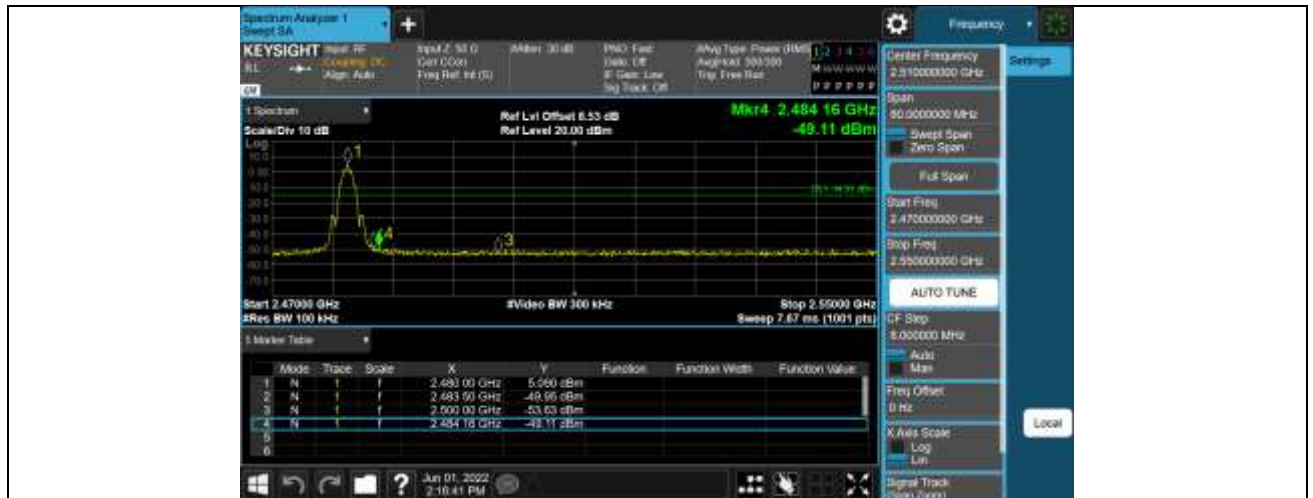
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.07	-46.67	≤-14.94	PASS
		High	2480	4.87	-49.69	≤-15.13	PASS
BLE_2M	Ant1	Low	2402	5.18	-28.14	≤-14.82	PASS
		High	2480	5.09	-49.12	≤-14.91	PASS
BLE_500K	Ant1	Low	2402	4.87	-47.66	≤-15.13	PASS

Test Graphs



Appendix C
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BLE_500K_Ant1_Low_2402



APPENDIX C.5: RADIATED SPURIOUS EMISSIONS

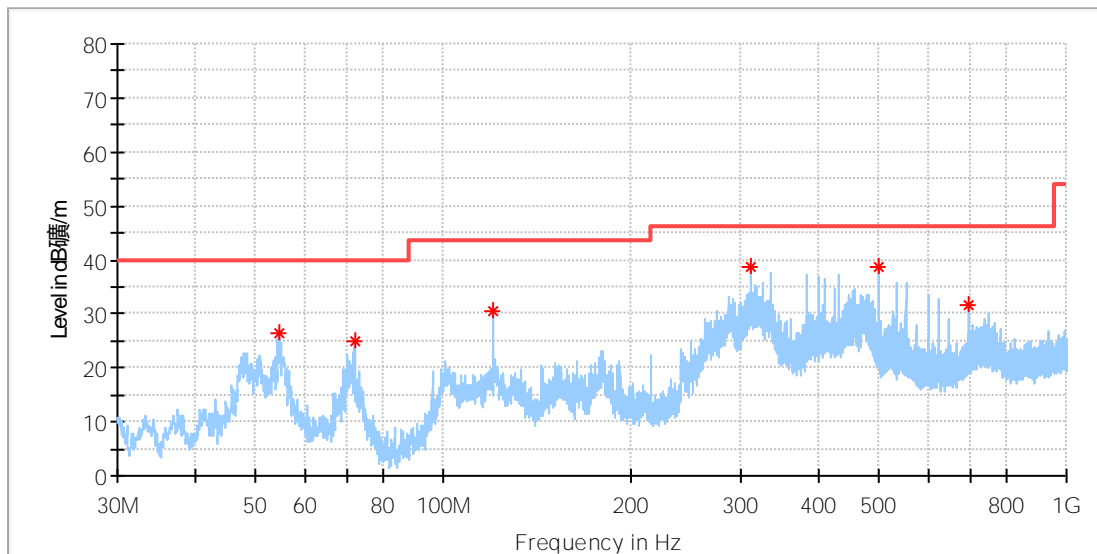
Note:

- 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 to 1GHz

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Mid channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

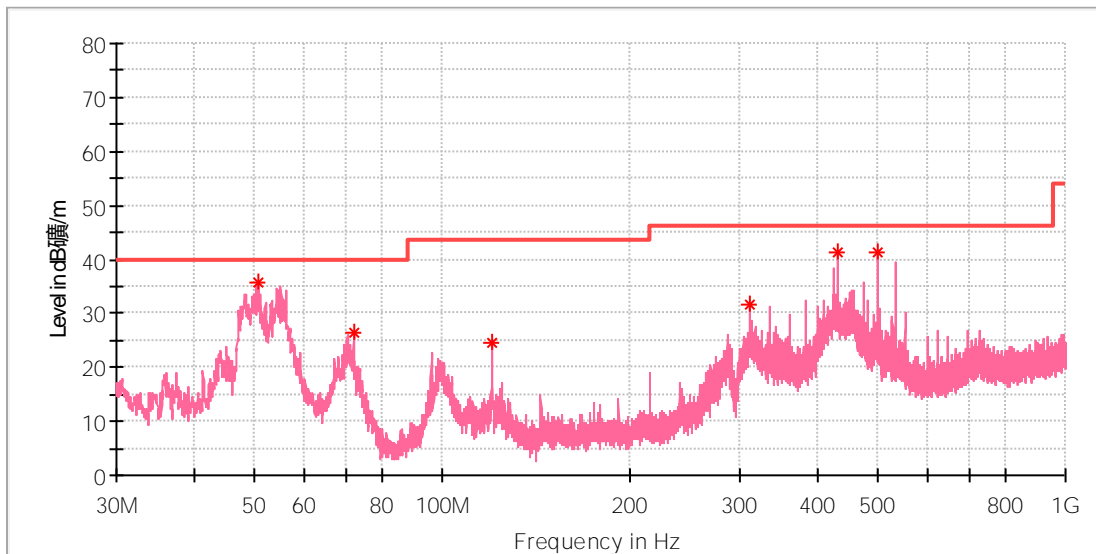


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.399231	26.31	40.00	13.69	100.0	H	206.0	-18.7
71.971154	24.98	40.00	15.02	100.0	H	223.0	-22.7
119.986154	30.56	43.50	12.94	100.0	H	199.0	-21.1
312.008846	38.77	46.00	7.23	100.0	H	66.0	-16.3
500.002308	38.52	46.00	7.48	100.0	H	257.0	-12.2
696.016923	31.76	46.00	14.24	100.0	H	250.0	-8.5

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Mid channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

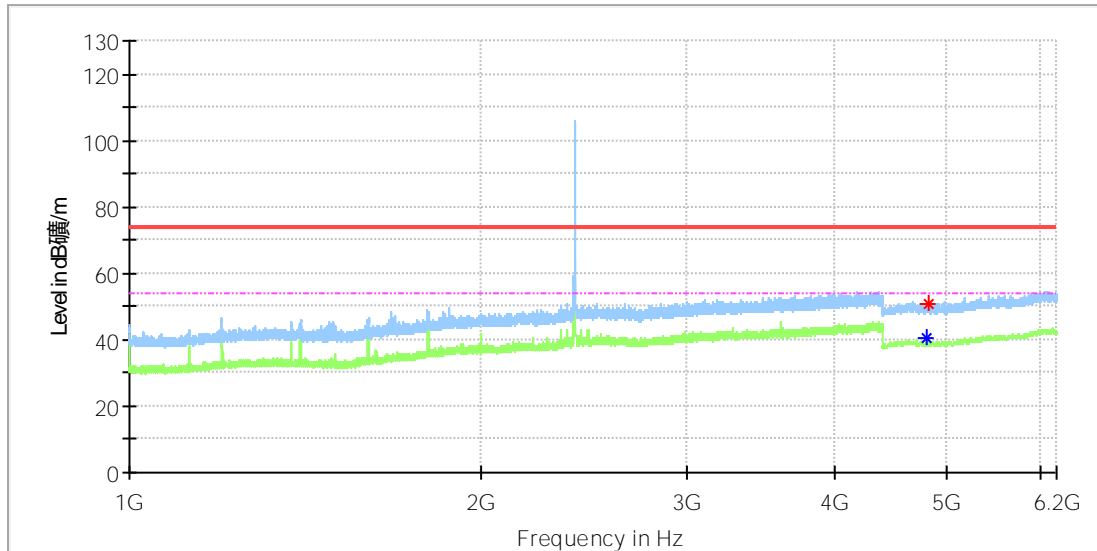
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.817692	35.65	40.00	4.35	100.0	V	0.0	-18.6
72.008462	26.33	40.00	13.67	100.0	V	194.0	-22.8
119.986154	24.43	43.50	19.07	100.0	V	226.0	-21.1
312.008846	31.80	46.00	14.20	100.0	V	75.0	-16.3
432.027692	41.42	46.00	4.58	100.0	V	276.0	-13.6
500.002308	41.35	46.00	4.65	100.0	V	319.0	-12.2

1GHz-18GHz

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

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Low channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

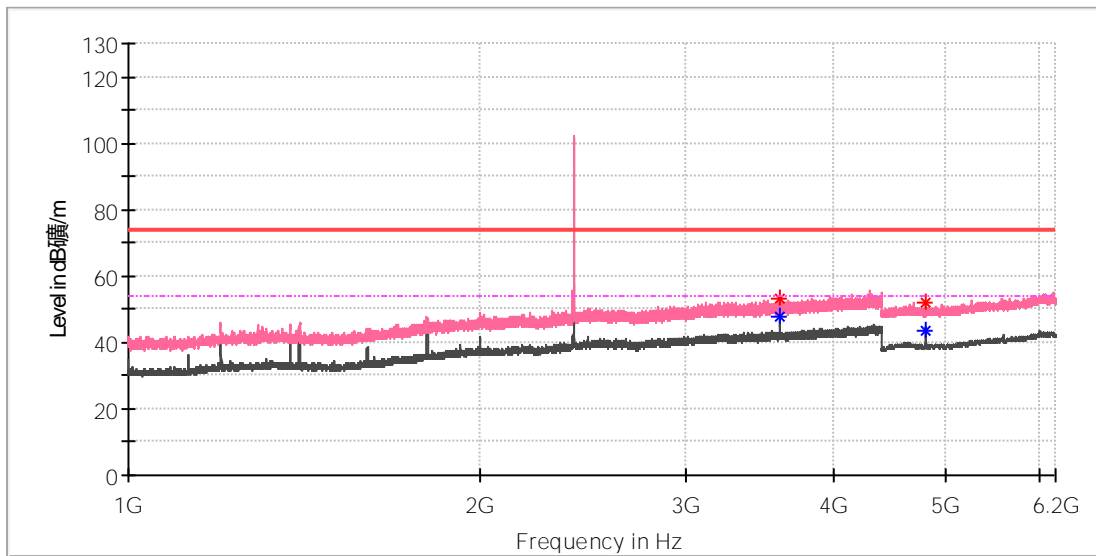


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4799.500000	---	40.71	54.00	13.29	100.0	H	101.0	11.8
4814.500000	51.07	---	74.00	22.93	100.0	H	35.0	11.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Low channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

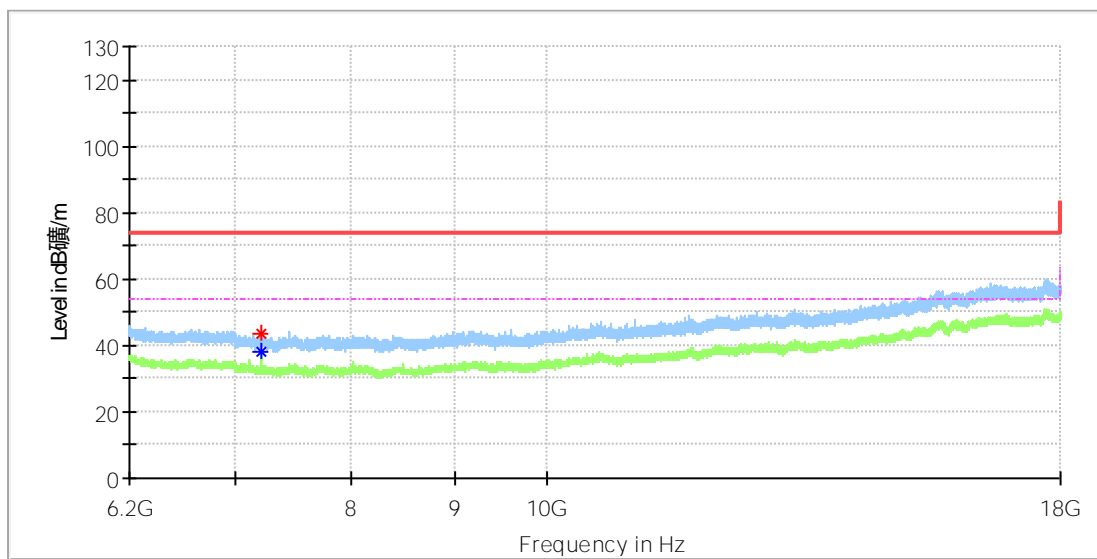


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3599.810000	53.50	---	74.00	20.50	100.0	V	77.0	9.3
3599.810000	---	47.89	54.00	6.11	100.0	V	77.0	9.3
4799.500000	---	43.71	54.00	10.29	100.0	V	237.0	11.8
4800.500000	52.29	---	74.00	21.71	100.0	V	265.0	11.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Low channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

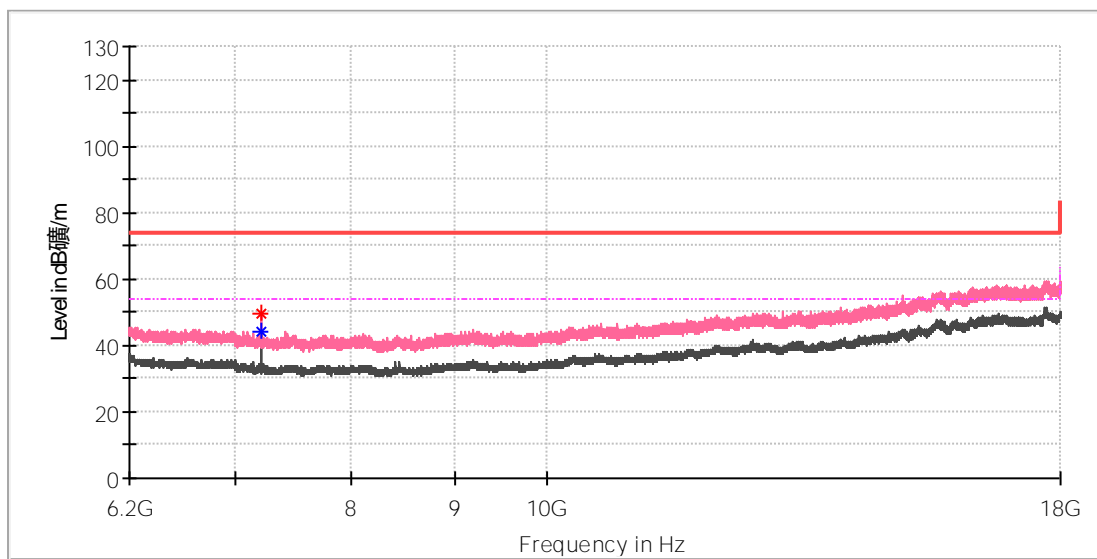


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	43.66	---	74.00	30.34	100.0	H	41.0	8.8
7204.966667	---	38.11	54.00	15.89	100.0	H	41.0	8.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Low channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

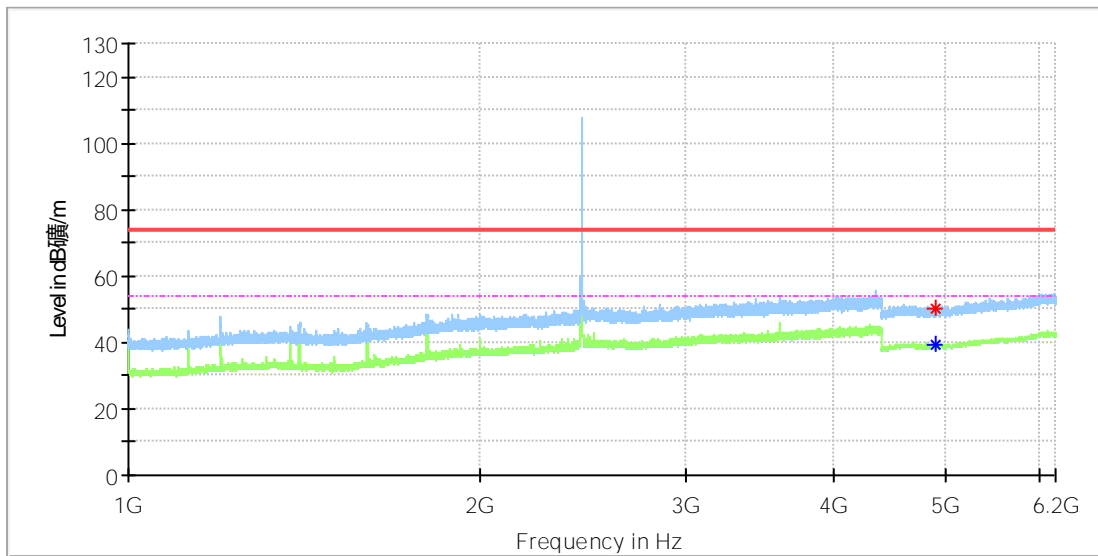


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	49.35	---	74.00	24.65	100.0	V	108.0	8.8
7204.966667	---	44.04	54.00	9.96	100.0	V	108.0	8.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Mid channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

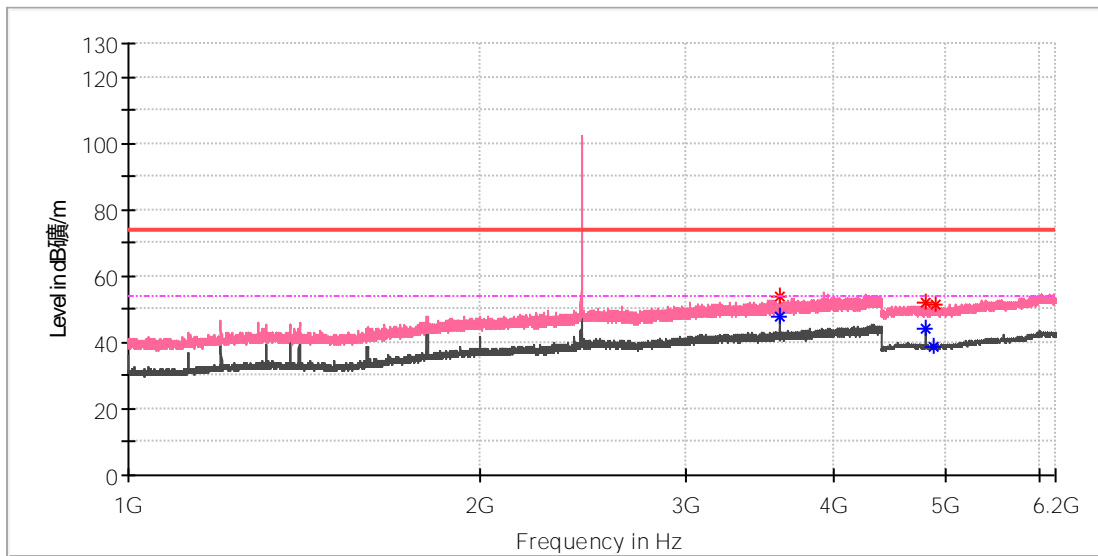


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4896.500000	50.40	---	74.00	23.60	100.0	H	107.0	11.8
4896.500000	---	39.43	54.00	14.57	100.0	H	107.0	11.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Mid channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

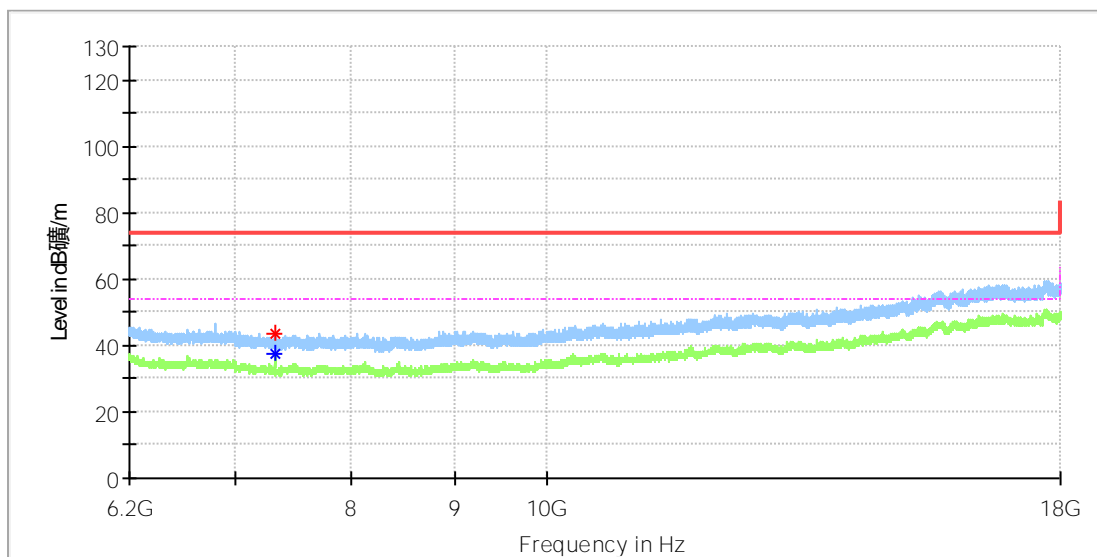


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3600.320000	---	47.67	54.00	6.33	100.0	V	74.0	9.3
3600.490000	53.76	---	74.00	20.24	100.0	V	28.0	9.3
4799.000000	51.99	---	74.00	22.01	100.0	V	239.0	11.8
4799.500000	---	43.86	54.00	10.14	100.0	V	239.0	11.8
4876.500000	---	38.89	54.00	15.11	100.0	V	31.0	11.8
4899.500000	51.38	---	74.00	22.62	100.0	V	57.0	11.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Mid channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

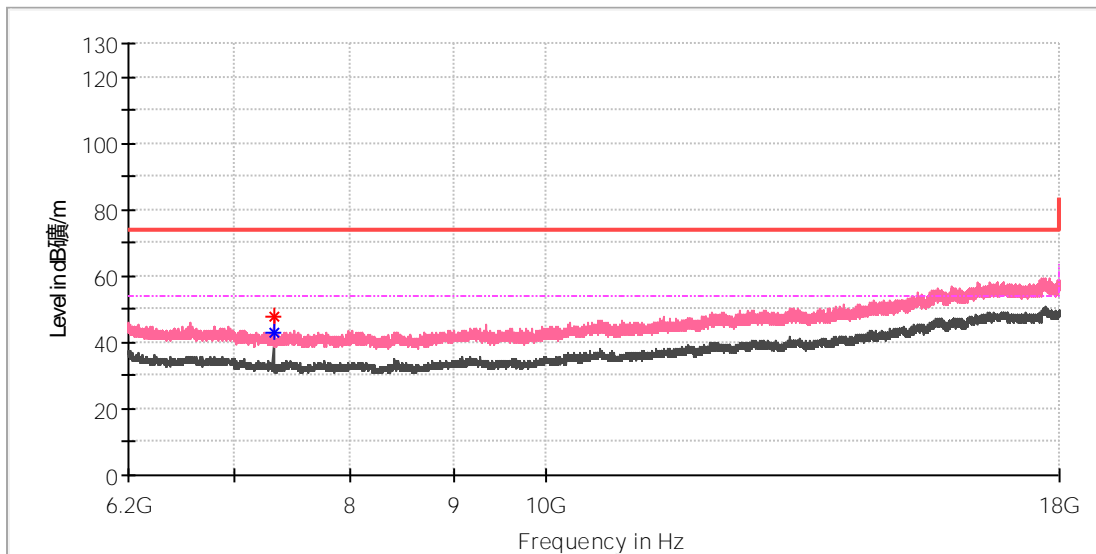


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	43.39	---	74.00	30.61	100.0	H	280.0	8.2
7320.016667	---	37.28	54.00	16.72	100.0	H	89.0	8.2

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Mid channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

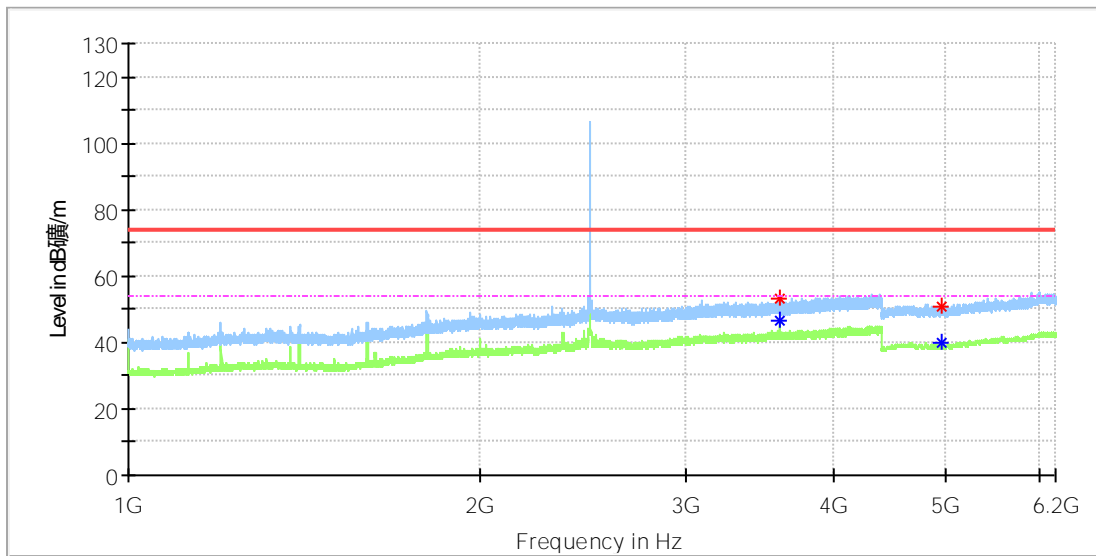


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.508333	47.80	---	74.00	26.20	100.0	V	95.0	8.2
7320.508333	---	42.94	54.00	11.06	100.0	V	95.0	8.2

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_High channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

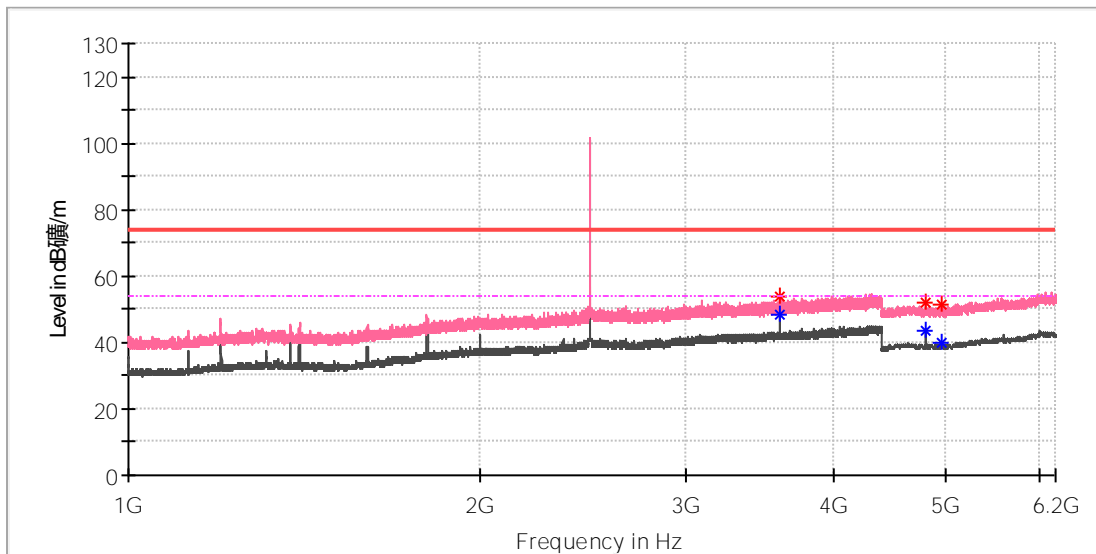


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3599.980000	53.16	---	74.00	20.84	100.0	H	131.0	9.3
3600.150000	---	46.34	54.00	7.66	100.0	H	131.0	9.3
4955.500000	50.49	---	74.00	23.51	100.0	H	276.0	11.8
4960.000000	---	39.70	54.00	14.30	100.0	H	28.0	11.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_High channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

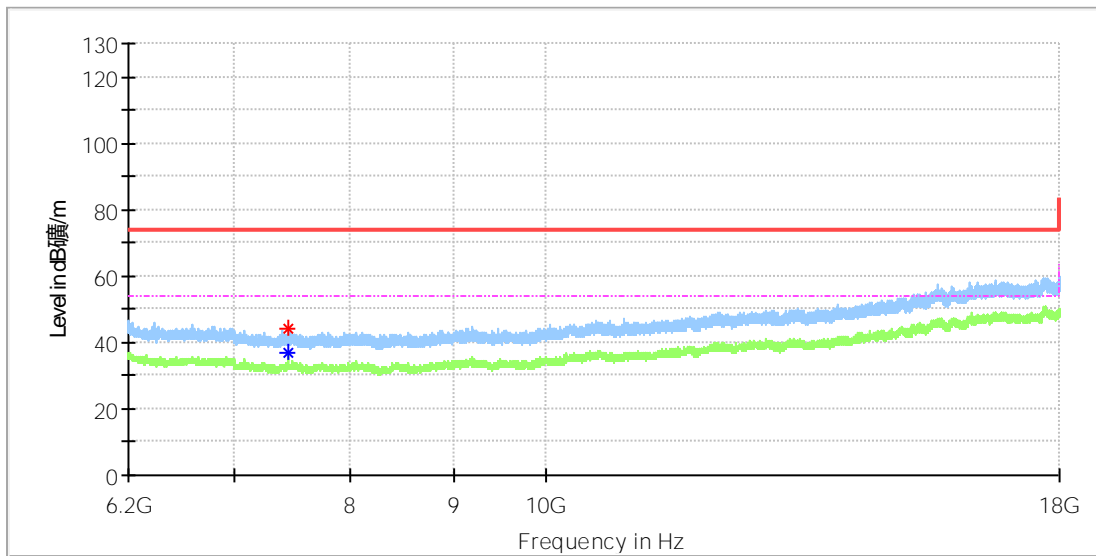


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3599.810000	54.03	---	74.00	19.97	100.0	V	74.0	9.3
3599.980000	---	48.33	54.00	5.67	100.0	V	29.0	9.3
4799.500000	51.83	---	74.00	22.17	100.0	V	236.0	11.8
4800.000000	---	43.79	54.00	10.21	100.0	V	243.0	11.8
4947.000000	51.29	---	74.00	22.71	100.0	V	89.0	11.8
4960.500000	---	39.76	54.00	14.24	100.0	V	5.0	11.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_High channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

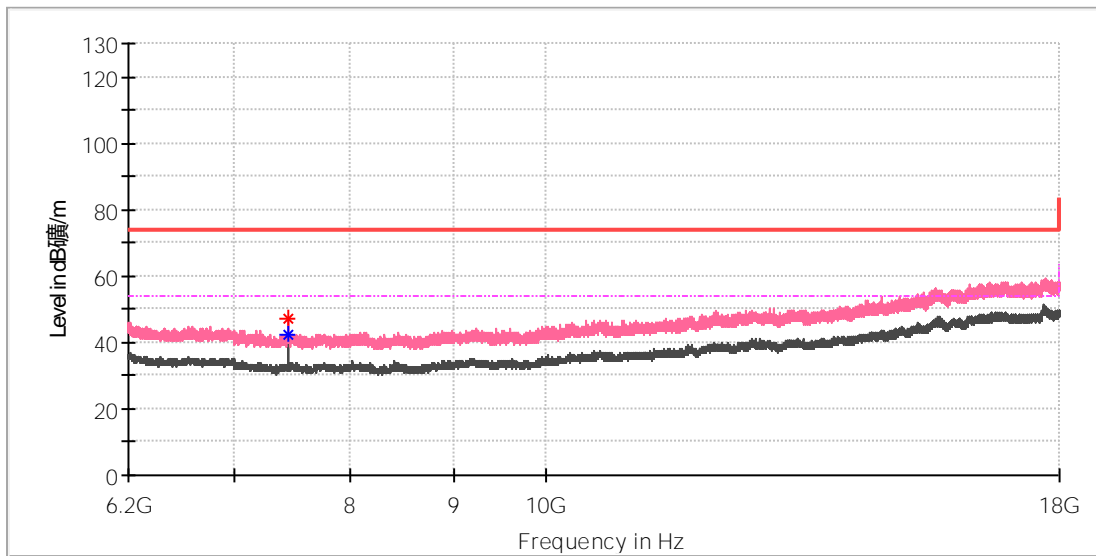


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	---	36.83	54.00	17.17	100.0	H	153.0	8.4
7440.475000	43.96	---	74.00	30.04	100.0	H	0.0	8.4

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_High channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



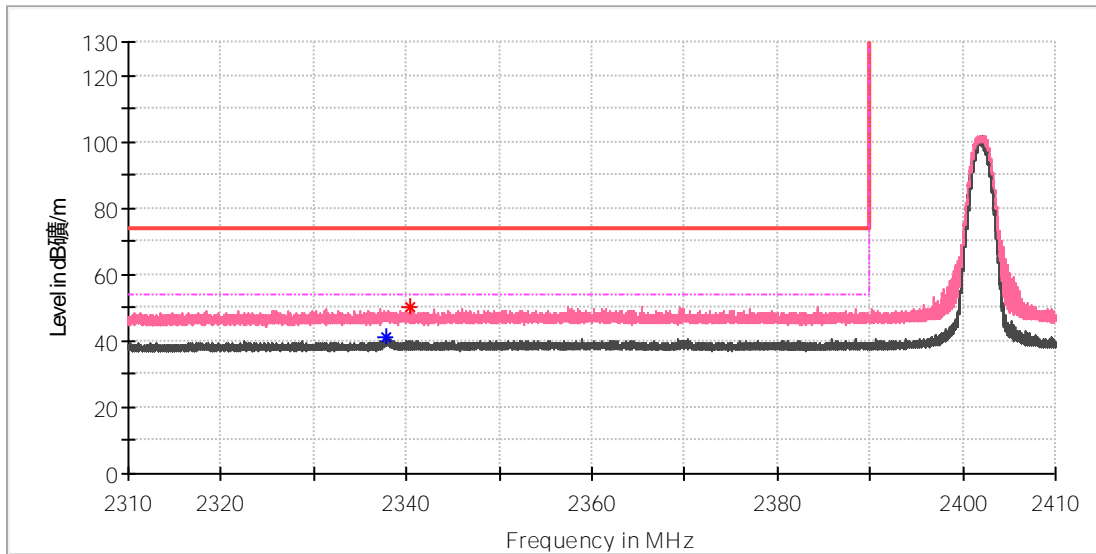
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	47.23	---	74.00	26.77	100.0	V	115.0	8.4
7439.491667	---	42.18	54.00	11.82	100.0	V	115.0	8.4

APPENDIX C.6: RADIATED EMISSIONS IN RESTRICTED BANDS

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Low channel
Order No./Sample No.:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

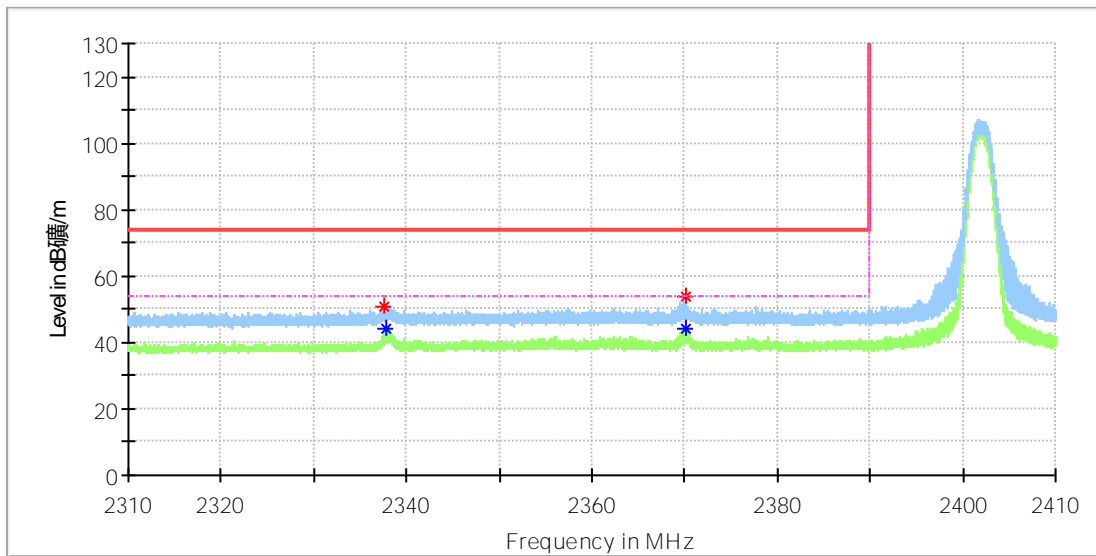


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2337.720000	---	41.33	54.00	12.67	100.0	V	292.0	6.8
2340.355000	50.41	---	74.00	23.59	100.0	V	116.0	6.8

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_Low channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

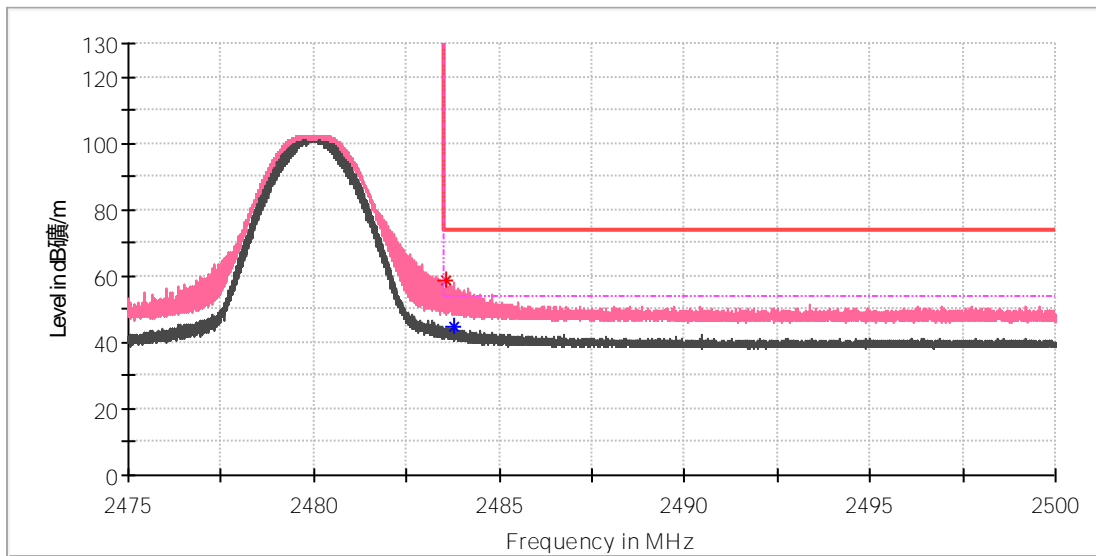


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2337.510000	50.94	---	74.00	23.06	100.0	H	191.0	6.8
2337.870000	---	43.94	54.00	10.06	100.0	H	191.0	6.8
2370.100000	53.82	---	74.00	20.18	100.0	H	191.0	6.9
2370.100000	---	43.85	54.00	10.15	100.0	H	191.0	6.9

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_High channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

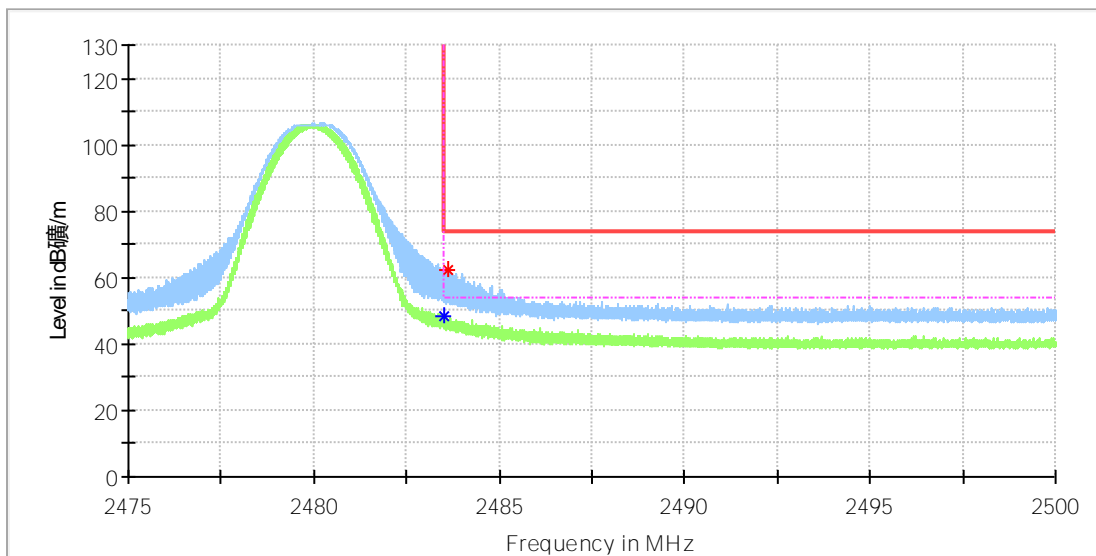


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.577500	58.43	---	74.00	15.57	100.0	V	276.0	7.4
2483.798750	---	44.59	54.00	9.41	100.0	V	221.0	7.4

EUT Information

EUT Name:	Plant controller
Model:	IQ5-00-BW-24
Test Mode:	BLE_High channel
Order No/Sample No:	168374226/A003262749-001
Test Voltage::	AC 24V by adapter
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



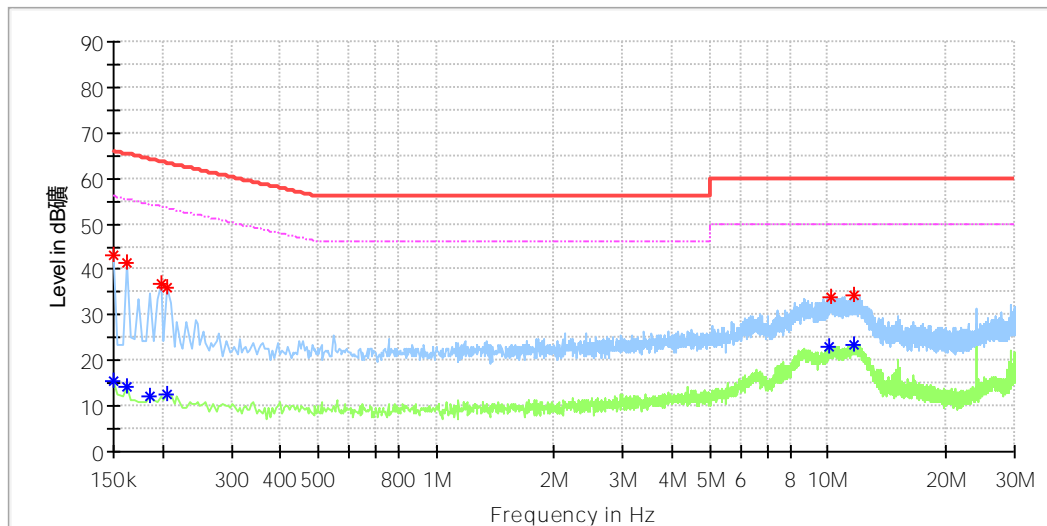
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.536250	---	48.54	54.00	5.46	100.0	H	200.0	7.4
2483.627500	62.29	---	74.00	11.71	100.0	H	178.0	7.4

APPENDIX C.7: CONDUCTED EMISSION ON AC MAINS

EUT Information

EUT Name:	plant controller
Order Number:	168435417
Model:	IQ5-00-BW-24
Test Mode:	On, Normal working with BLE & Wi-Fi connecting
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15B
Test By:/Review By:	Charlie Zha / Gary Chen
Tem./Hum./Pressure:	25.0°C/51.2%/101kPa
Remark:	SR2

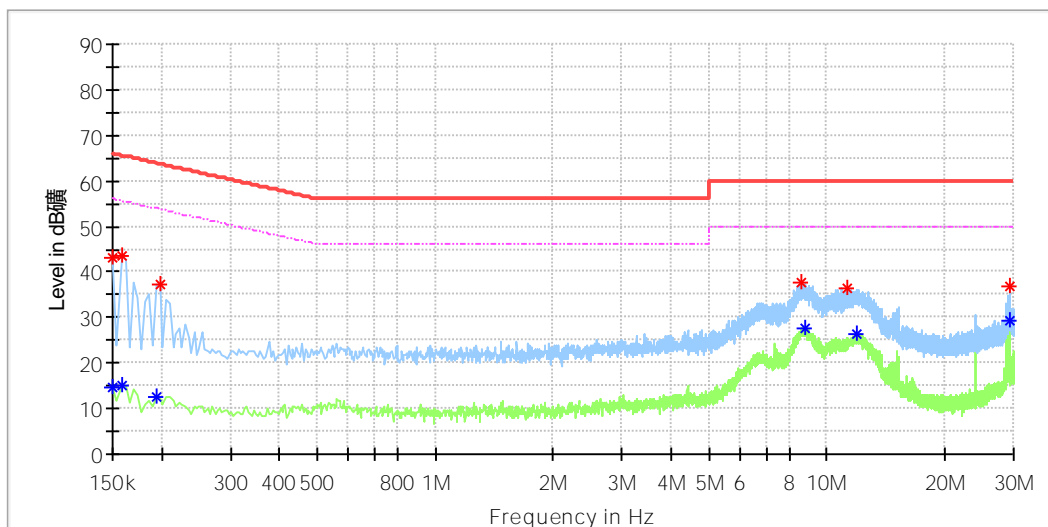


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	43.25	---	66.00	22.75	L1	9.9
0.150000	---	15.63	56.00	40.37	L1	9.9
0.162000	---	14.38	55.36	40.98	L1	9.9
0.162000	41.61	---	65.36	23.75	L1	9.9
0.186000	---	12.19	54.21	42.02	L1	9.9
0.198000	36.91	---	63.69	26.78	L1	9.9
0.206000	35.96	---	63.37	27.40	L1	9.9
0.206000	---	12.58	53.37	40.79	L1	9.9
10.062000	---	23.01	50.00	26.99	L1	10.3
10.202000	33.97	---	60.00	26.03	L1	10.3
11.654000	---	23.55	50.00	26.45	L1	10.3
11.686000	34.28	---	60.00	25.72	L1	10.3

EUT Information

EUT Name:	plant controller
Order Number:	168435417
Model:	IQ5-00-BW-24
Test Mode:	On, Normal working with BLE & Wi-Fi connecting
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15B
Test By:/Review By:	Charlie Zha / Gary Chen
Tem./Hum./Pressure:	25.0°C/51.2%/101kPa
Remark:	SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	14.57	56.00	41.43	N	9.8
0.150000	43.15	---	66.00	22.85	N	9.8
0.158000	---	15.14	55.57	40.43	N	9.8
0.158000	43.54	---	65.57	22.03	N	9.8
0.194000	---	12.44	53.86	41.42	N	9.8
0.198000	37.35	---	63.69	26.34	N	9.8
8.614000	37.51	---	60.00	22.49	N	10.0
8.790000	---	27.82	50.00	22.18	N	10.0
11.266000	36.30	---	60.00	23.70	N	10.1
11.974000	---	26.40	50.00	23.60	N	10.1
29.238000	---	29.23	50.00	20.77	N	10.4
29.238000	37.01	---	60.00	22.99	N	10.4