

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5825 MHz; 23.000 dBm; 20 MHz)

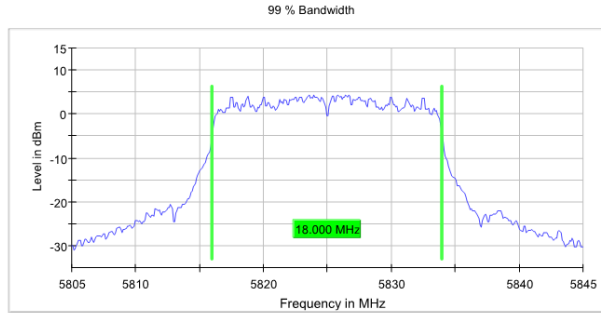
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	18.000000	---	---	5815.950000	5833.950000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5825.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.80500 GHz	5.80500 GHz
Stop Frequency	5.84500 GHz	5.84500 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	47.266 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	49 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.30 dB

Wi-Fi 802.11 n(HT40) mode

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5755 MHz; 23.000 dBm; 40 MHz)

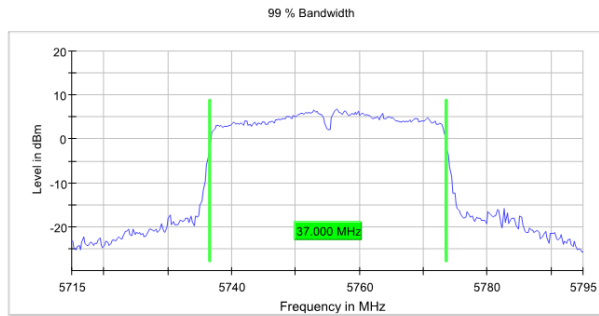
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	37.000000	---	---	5736.625000	5773.625000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5755.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.79500 GHz	5.79500 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	73 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.16 dB	0.30 dB

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5795 MHz; 23.000 dBm; 40 MHz)

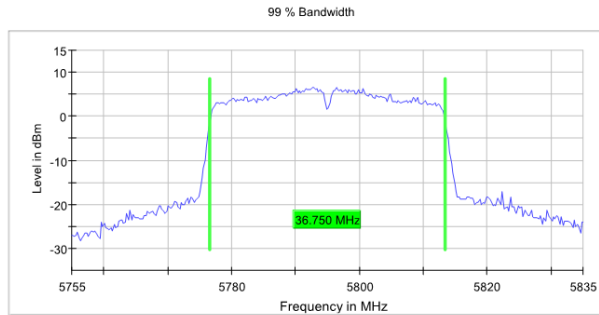
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	36.750000	---	---	5776.625000	5813.375000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5795.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.75500 GHz	5.75500 GHz
Stop Frequency	5.83500 GHz	5.83500 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	60 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.30 dB

Wi-Fi 802.11 ac(HT20) mode

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5745 MHz; 23.000 dBm; 20 MHz)

Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

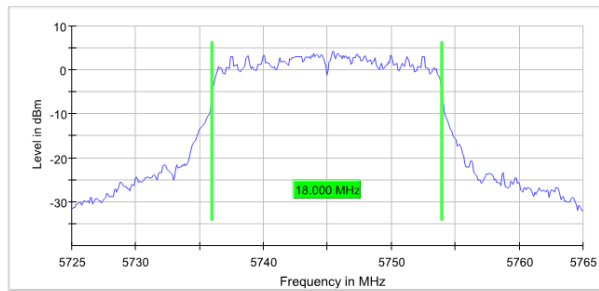
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	18.000000	---	---	5735.950000	5753.950000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5745.000000	PASS

99 % Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72500 GHz	5.72500 GHz
Stop Frequency	5.76500 GHz	5.76500 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	47.266 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	30 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.06 dB	0.30 dB

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5785 MHz; 23.000 dBm; 20 MHz)

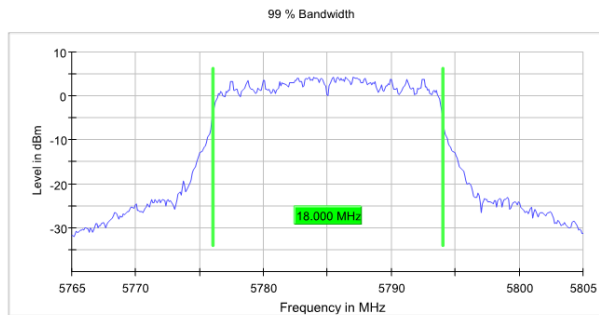
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5785.000000	18.000000	---	---	5776.050000	5794.050000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5785.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.76500 GHz	5.76500 GHz
Stop Frequency	5.80500 GHz	5.80500 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	47.266 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	76 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.08 dB	0.30 dB

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5825 MHz; 23.000 dBm; 20 MHz)

Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

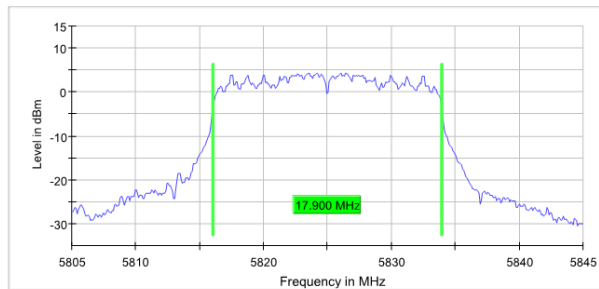
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	17.900000	---	---	5816.050000	5833.950000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5825.000000	PASS

99 % Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.80500 GHz	5.80500 GHz
Stop Frequency	5.84500 GHz	5.84500 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	47.266 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	83 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.30 dB

Wi-Fi 802.11 ac(HT40) mode

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5755 MHz; 23.000 dBm; 40 MHz)

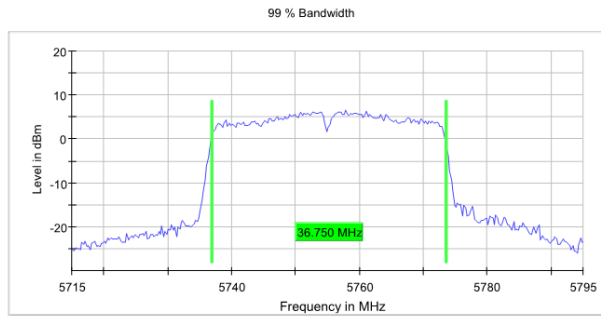
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	36.750000	---	---	5736.875000	5773.625000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5755.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.71500 GHz	5.71500 GHz
Stop Frequency	5.79500 GHz	5.79500 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	85 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.06 dB	0.30 dB

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5795 MHz; 23.000 dBm; 40 MHz)

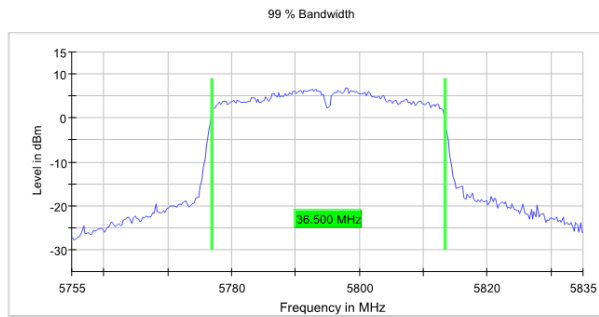
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	36.500000	---	---	5776.875000	5813.375000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5795.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.75500 GHz	5.75500 GHz
Stop Frequency	5.83500 GHz	5.83500 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	74 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.17 dB	0.30 dB

Wi-Fi 802.11 ac(HT80) mode

FCC 15.407 2017

Occupied Channel Bandwidth 99% (5775 MHz; 23.000 dBm; 80 MHz)

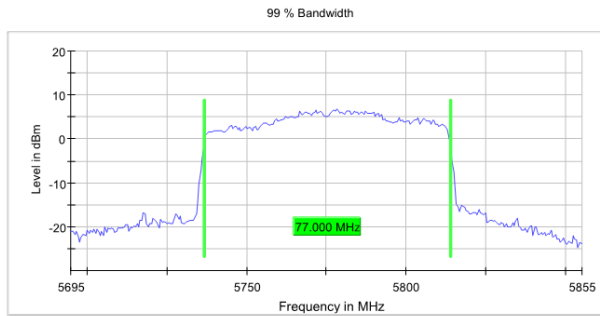
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5775.000000	77.000000	---	---	5736.750000	5813.750000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5775.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.69500 GHz	5.69500 GHz
Stop Frequency	5.85500 GHz	5.85500 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	98 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.24 dB	0.30 dB

Produkte
 Products

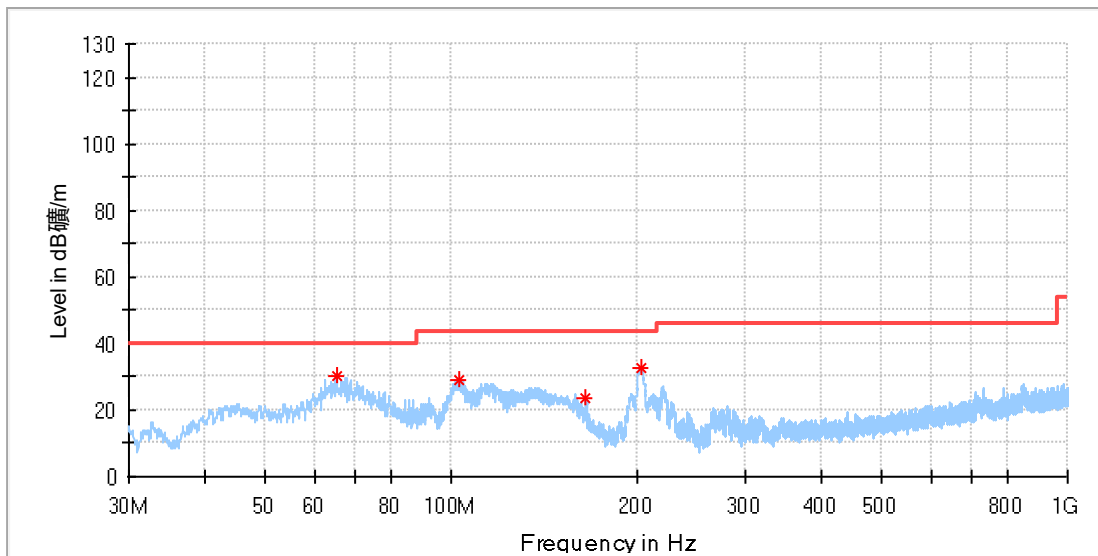
Note: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix C.5: Test Results of Radiated Spurious Emissions

30MHz - 1GHz (Worst case)
 Wi-Fi 802.11 a mode

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 149
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

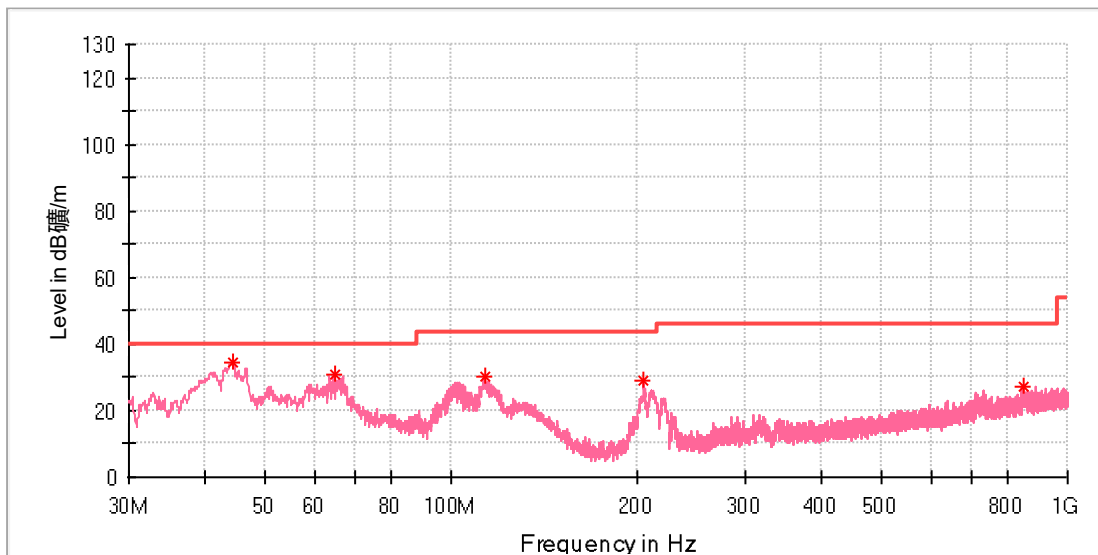
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
65.114000	30.14	---	40.00	9.86	100.0	H	289.0	-20.1
103.041000	29.14	---	43.50	14.36	100.0	H	0.0	-18.8
165.218000	23.62	---	43.50	19.88	100.0	H	270.0	-21.4
202.660000	32.82	---	43.50	10.68	100.0	H	3.0	-18.9

Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11a_CH 149
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.407
 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)
44.113500	34.55	---	40.00	5.45	100.0	V	41.0	-19.0
64.580500	30.82	---	40.00	9.18	100.0	V	309.0	-20.0
113.662500	30.53	---	43.50	12.97	100.0	V	273.0	-19.6
204.648500	28.73	---	43.50	14.77	100.0	V	41.0	-18.9
845.964000	27.49	---	46.00	18.51	100.0	V	336.0	-5.6

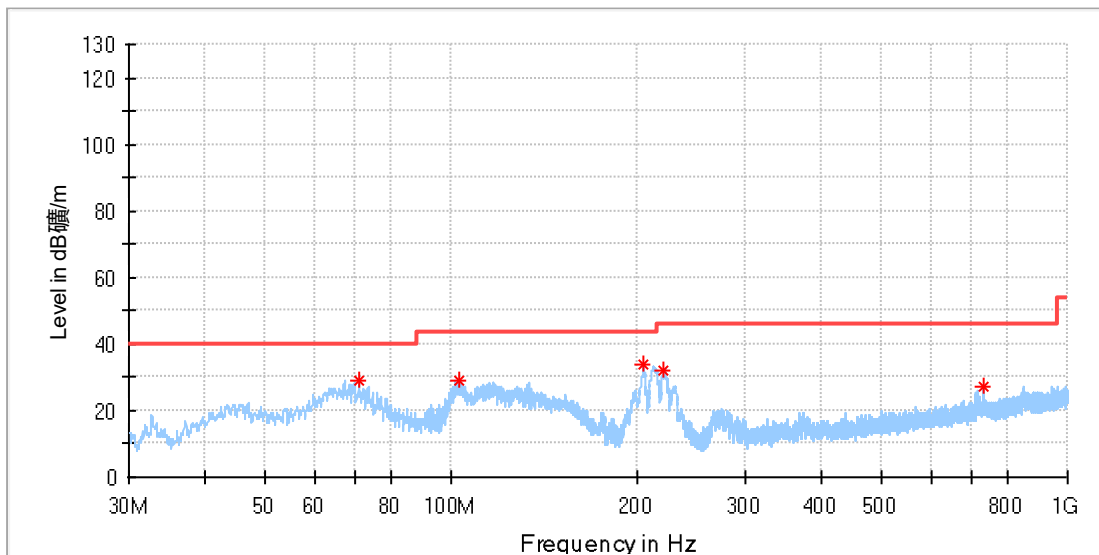
Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.407
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)
70.740000	28.94	---	40.00	11.06	100.0	H	308.0	-22.1
102.847000	29.27	---	43.50	14.23	100.0	H	343.0	-18.9
204.648500	33.64	---	43.50	9.86	100.0	H	0.0	-18.9
221.575000	32.18	---	46.00	13.82	100.0	H	0.0	-18.5
729.709500	27.10	---	46.00	18.90	100.0	H	84.0	-7.5

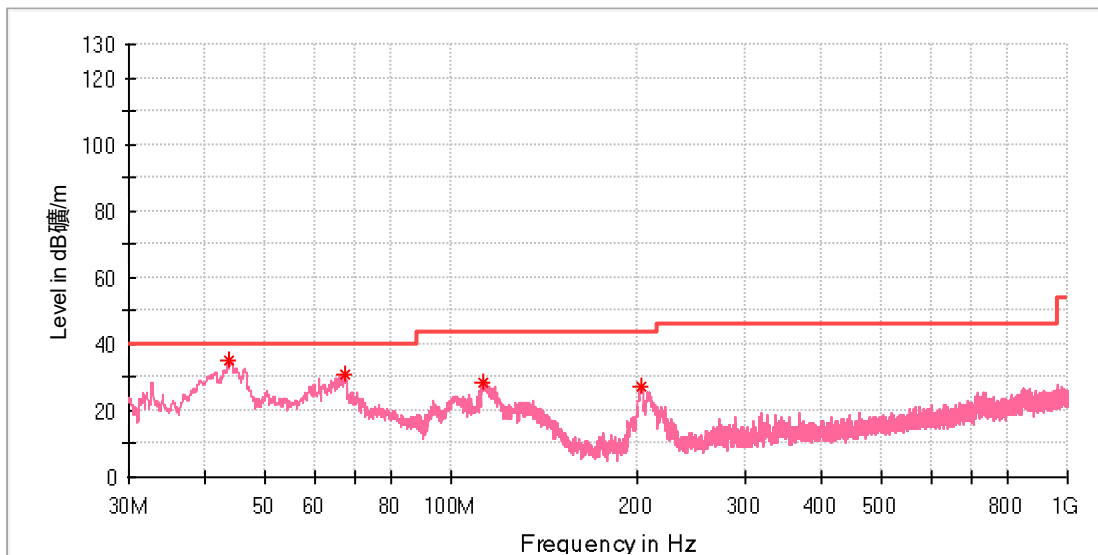
Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

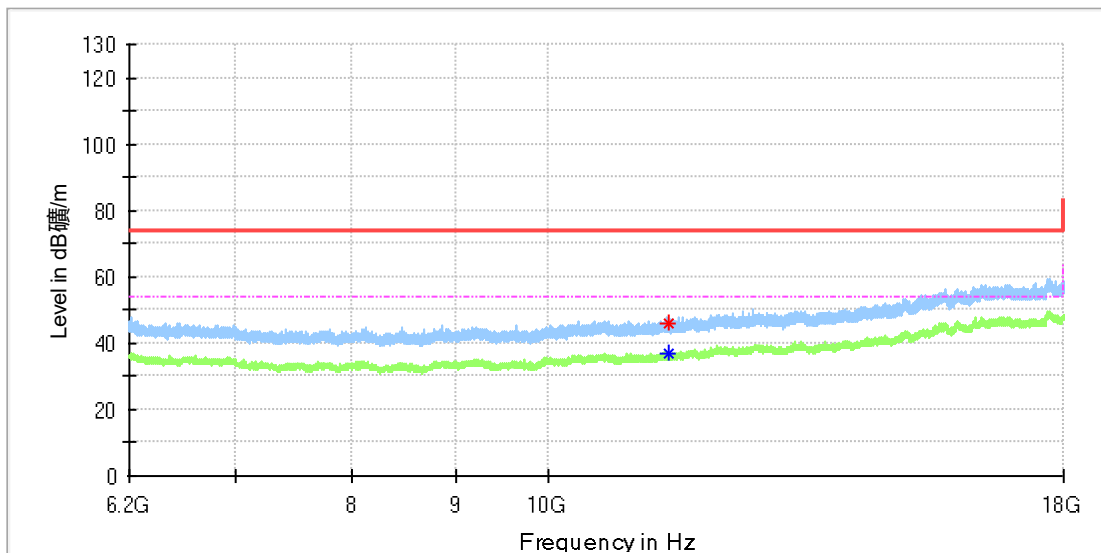
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
43.531500	35.23	---	40.00	4.77	100.0	V	23.0	-19.1
67.199500	31.05	---	40.00	8.95	100.0	V	214.0	-20.8
112.789500	28.64	---	43.50	14.86	100.0	V	264.0	-19.5
203.339000	27.47	---	43.50	16.03	100.0	V	105.0	-18.9

Final_Result

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

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11a_CH 149
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11478.533333	---	36.97	54.00	17.03	100.0	H	71.0	13.7
11480.008333	45.97	---	74.00	28.03	100.0	H	126.0	13.7

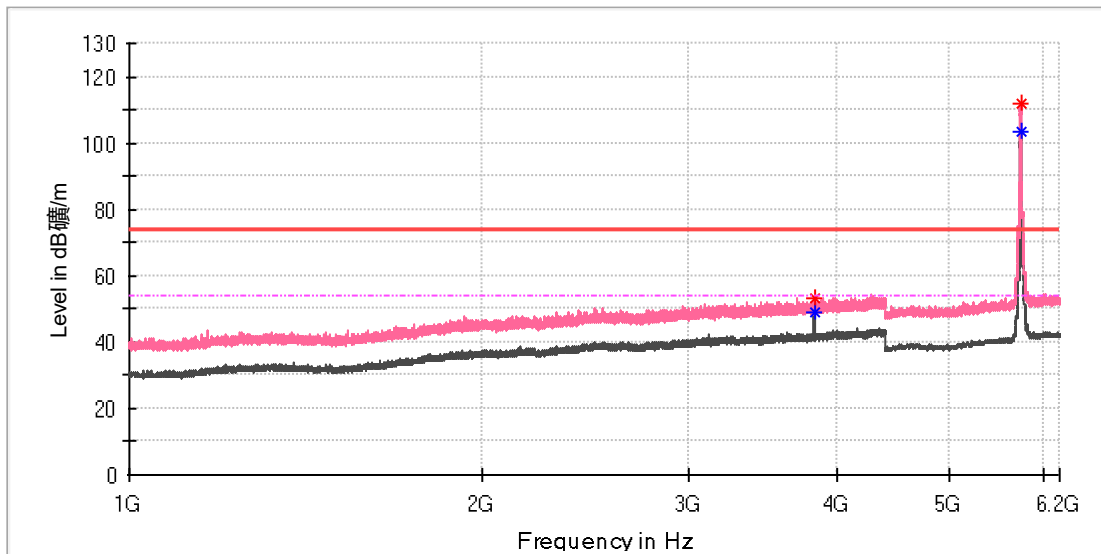
Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 149
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.407
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)
3830.075000	---	48.82	54.00	5.18	100.0	V	199.0	9.9
3830.075000	53.10	---	74.00	20.90	100.0	V	199.0	9.9
5743.000000	112.05	---	/	/	100.0	V	151.0	13.9
5744.000000	---	103.42	/	/	100.0	V	151.0	13.9

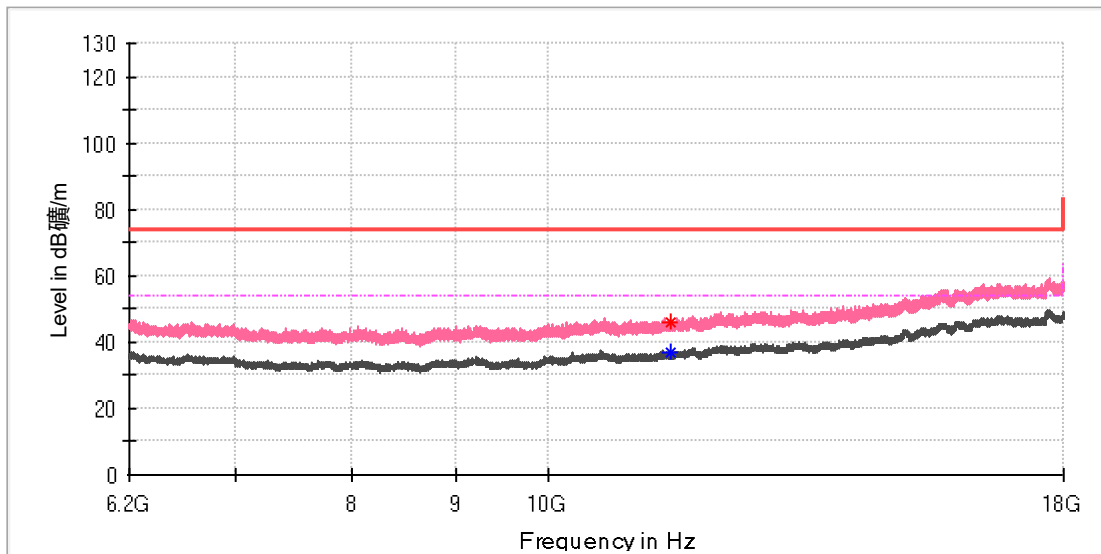
Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 149
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
11491.808333	---	36.68	54.00	17.32	100.0	V	332.0	13.7
11497.216667	45.99	---	74.00	28.01	100.0	V	209.0	13.7

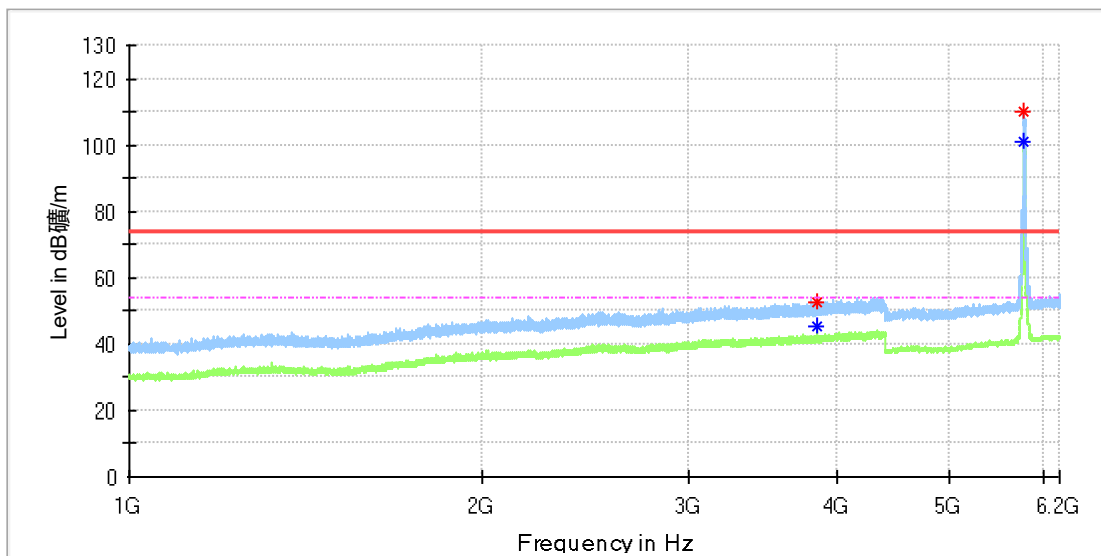
Final Result

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

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 157
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.407
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)
3856.850000	52.59	---	74.00	21.41	100.0	H	118.0	9.9
3856.850000	---	45.57	54.00	8.43	100.0	H	118.0	9.9
5784.500000	---	101.02	/	/	100.0	H	230.0	14.0
5786.500000	109.87	---	/	/	100.0	H	230.0	14.0

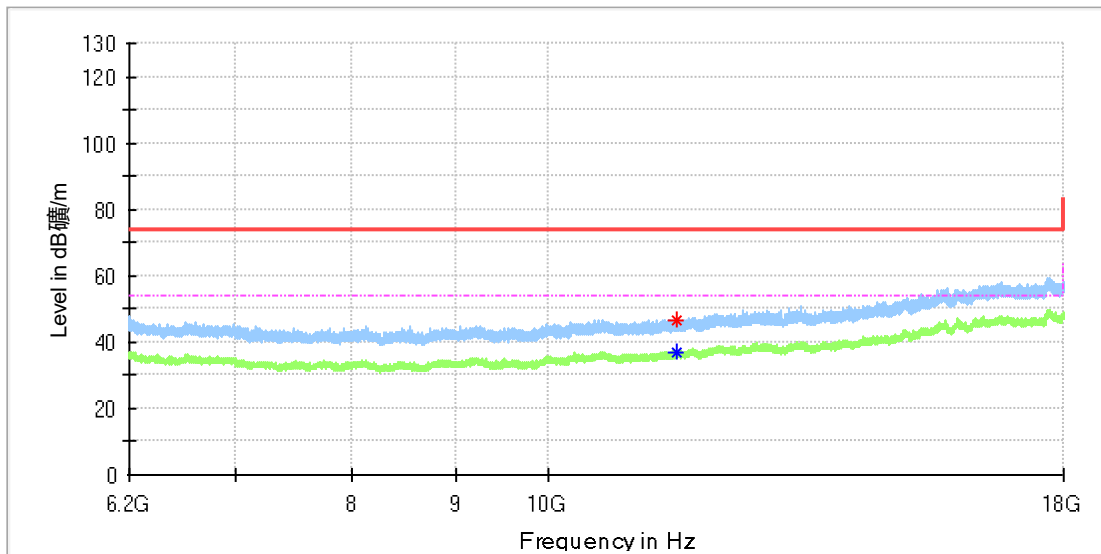
Final Result

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

Produkte
 Products

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11a_CH 157
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11573.916667	46.75	---	74.00	27.25	100.0	H	330.0	13.4
11576.375000	---	36.82	54.00	17.18	100.0	H	147.0	13.4

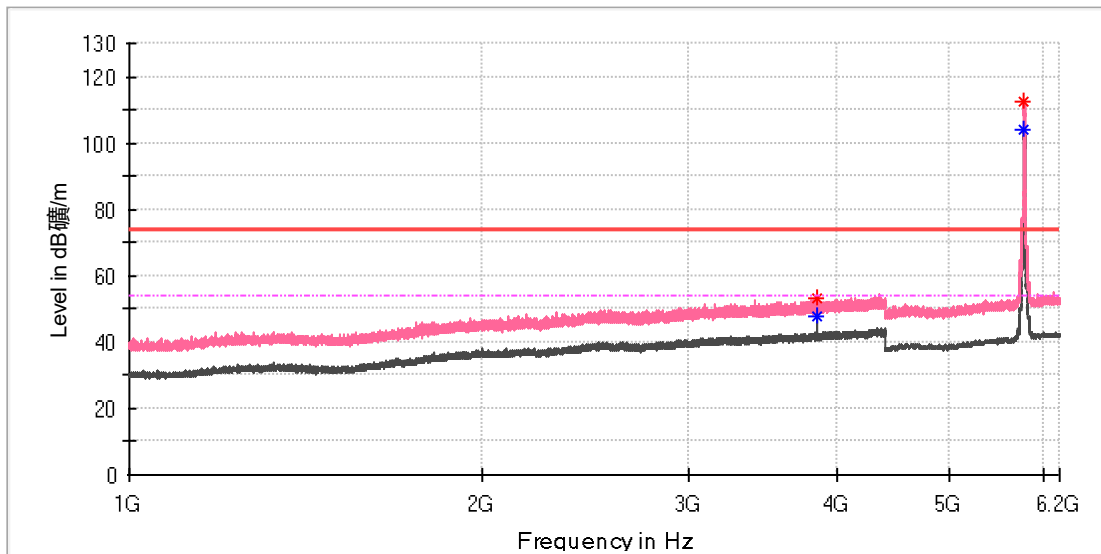
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11a_CH 157
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.407
 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)
3856.637500	---	47.98	54.00	6.02	100.0	V	195.0	9.9
3856.850000	53.35	---	74.00	20.65	100.0	V	195.0	9.9
5784.000000	---	103.78	/	/	100.0	V	151.0	14.0
5786.500000	112.20	---	/	/	100.0	V	151.0	14.0

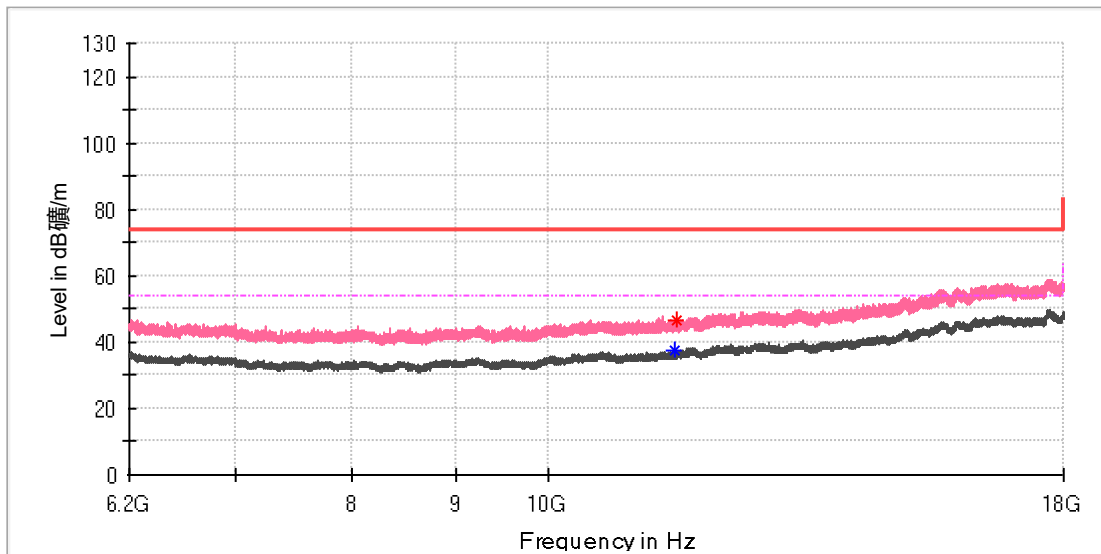
Final Result

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

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 157
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
11559.658333	---	37.46	54.00	16.54	100.0	V	124.0	13.4
11576.866667	46.32	---	74.00	27.68	100.0	V	55.0	13.4

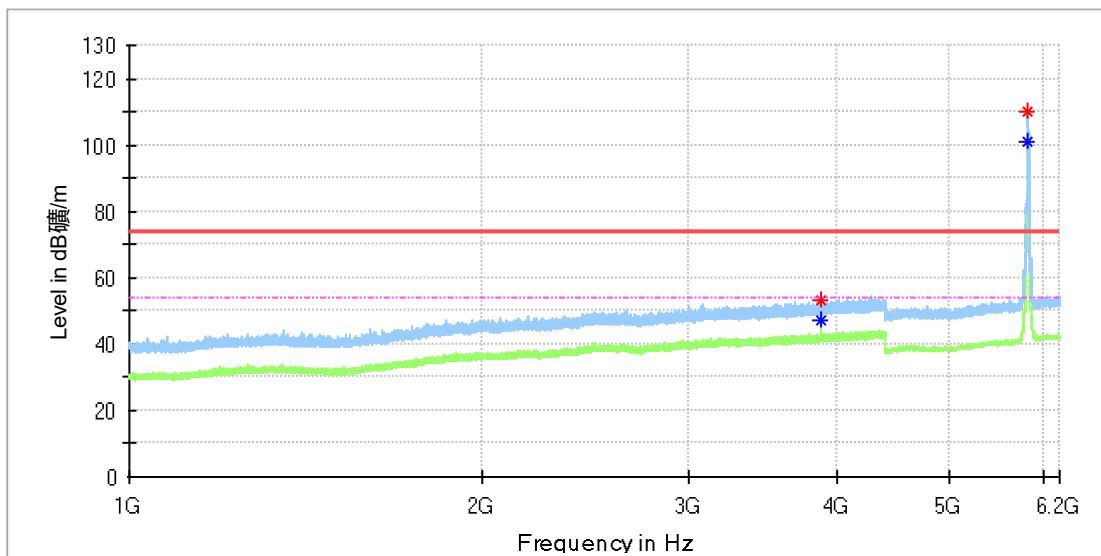
Final Result

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

Produkte
 Products

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11a_CH 165
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.407
 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)
3883.412500	53.36	---	74.00	20.64	100.0	H	119.0	10.0
3883.412500	---	46.95	54.00	7.05	100.0	H	119.0	10.0
5823.500000	109.84	---	/	/	100.0	H	226.0	14.1
5826.500000	---	101.15	/	/	100.0	H	226.0	14.1

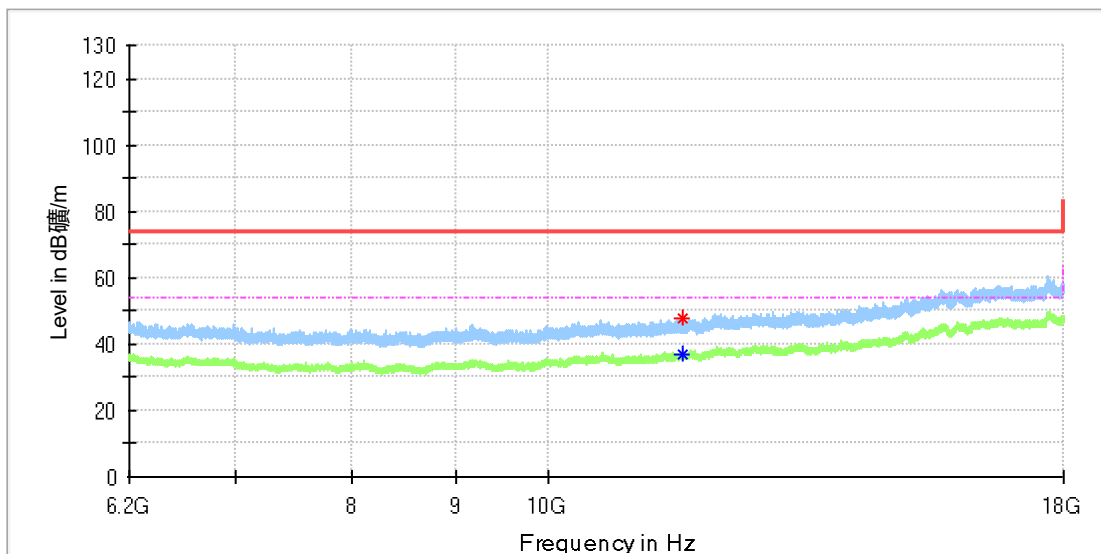
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11a_CH 165
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11657.991667	---	36.81	54.00	17.19	100.0	H	0.0	13.3
11657.991667	47.54	---	74.00	26.46	100.0	H	0.0	13.3

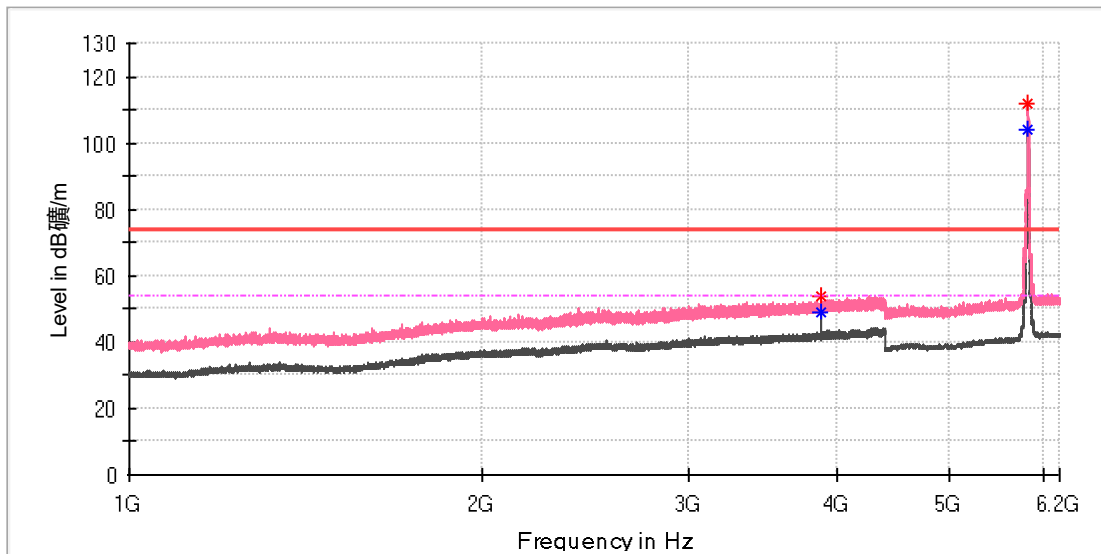
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11a_CH 165
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.407
 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)
3883.412500	---	48.90	54.00	5.10	100.0	V	190.0	10.0
3883.625000	54.02	---	74.00	19.98	100.0	V	190.0	10.0
5826.500000	---	103.96	/	/	100.0	V	155.0	14.1
5827.500000	111.98	---	/	/	100.0	V	155.0	14.1

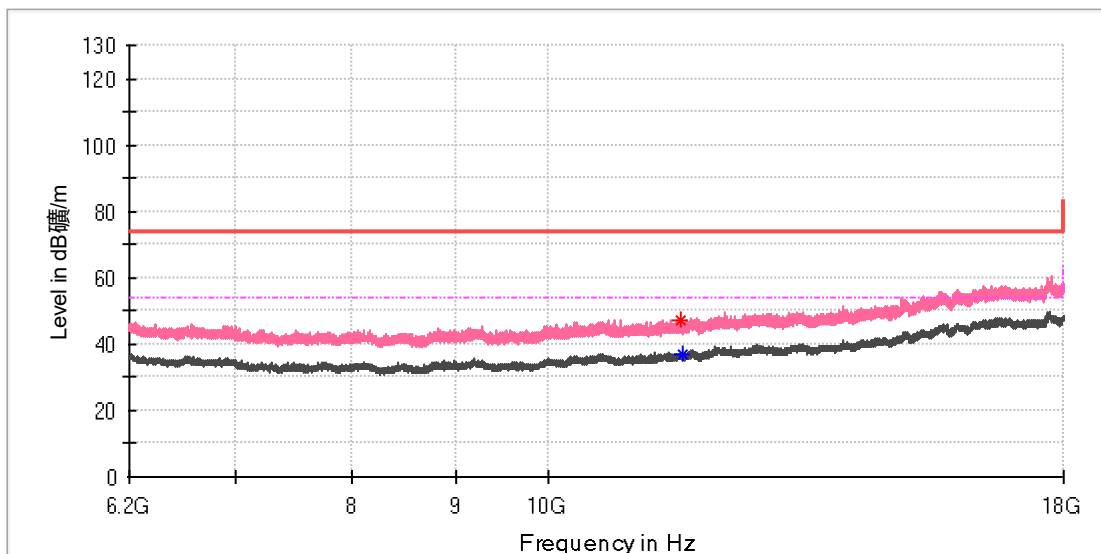
Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
11636.358333	47.32	---	74.00	26.68	100.0	V	246.0	13.3
11655.533333	---	37.02	54.00	16.98	100.0	V	233.0	13.3

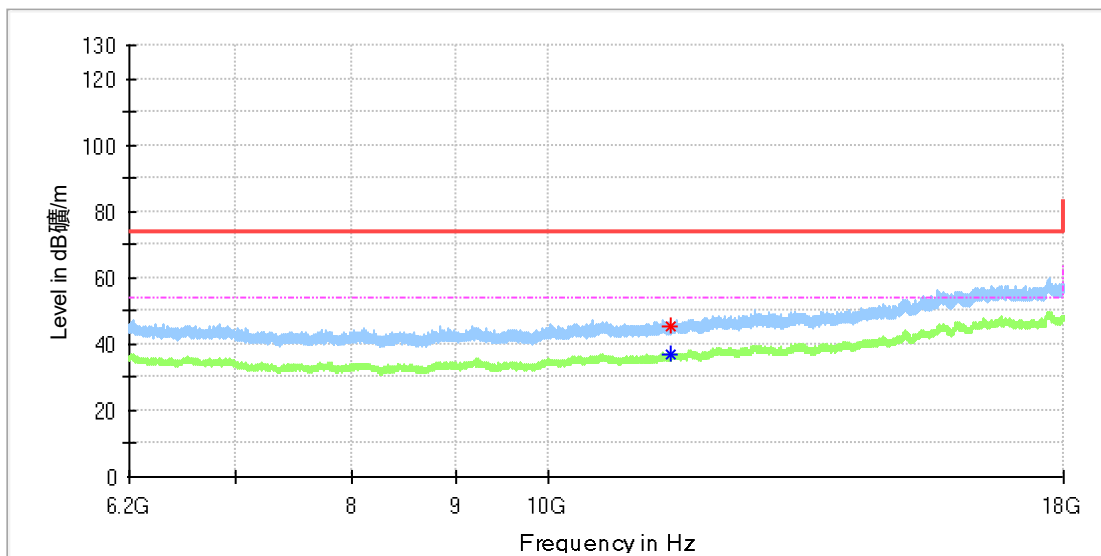
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n20_CH 149
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11490.825000	45.38	---	74.00	28.62	100.0	H	340.0	13.7
11491.808333	---	36.73	54.00	17.27	100.0	H	340.0	13.7

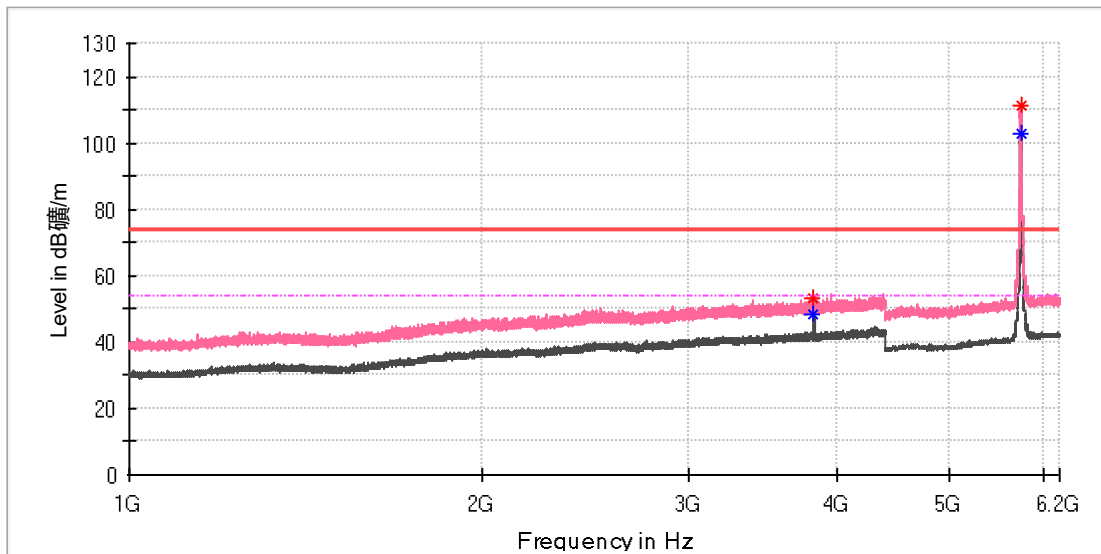
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n20M_CH 149
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.407
 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)
3829.862500	52.96	---	74.00	21.04	100.0	V	193.0	9.9
3829.862500	---	48.37	54.00	5.63	100.0	V	193.0	9.9
5744.500000	---	102.70	/	/	100.0	V	153.0	13.9
5746.500000	111.23	---	/	/	100.0	V	153.0	13.9

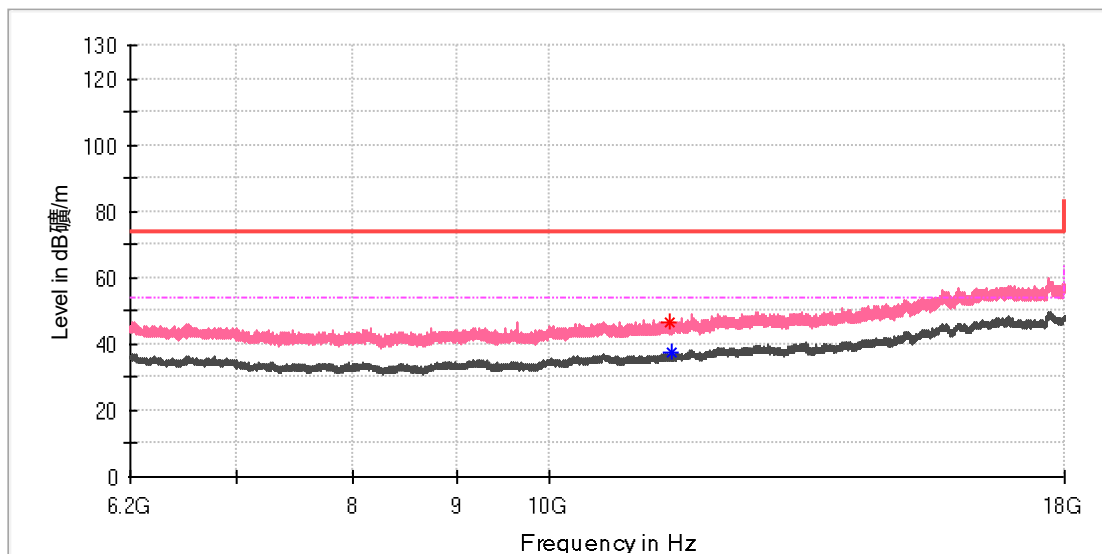
Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n20_CH 149
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
11481.975000	46.45	---	74.00	27.55	100.0	V	84.0	13.7
11503.608333	---	37.25	54.00	16.75	100.0	V	123.0	13.7

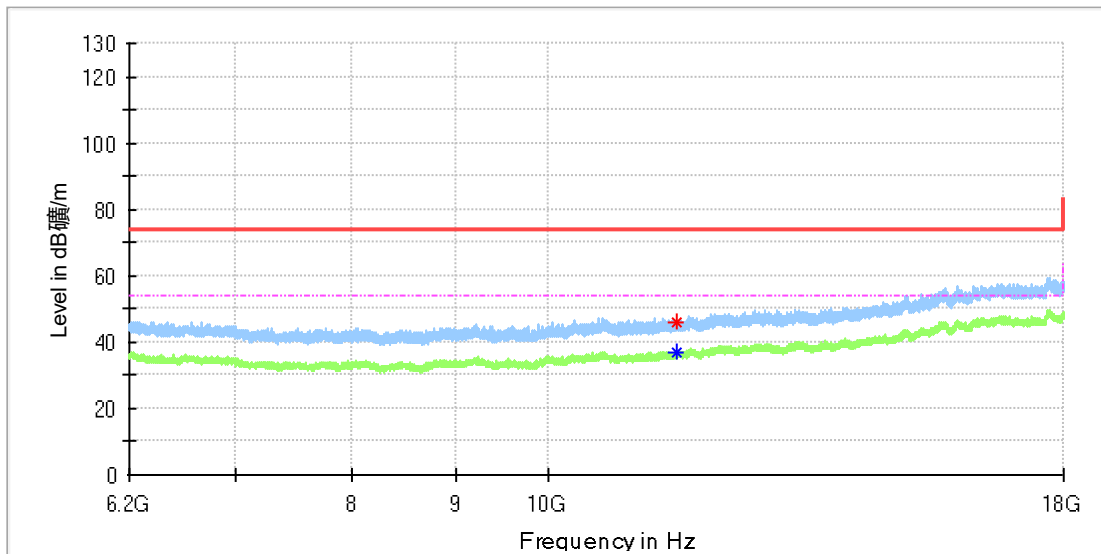
Final Result

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

Produkte
 Products

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n20_CH 157
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11569.491667	46.02	---	74.00	27.98	100.0	H	144.0	13.4
11574.900000	---	36.96	54.00	17.04	100.0	H	6.0	13.4

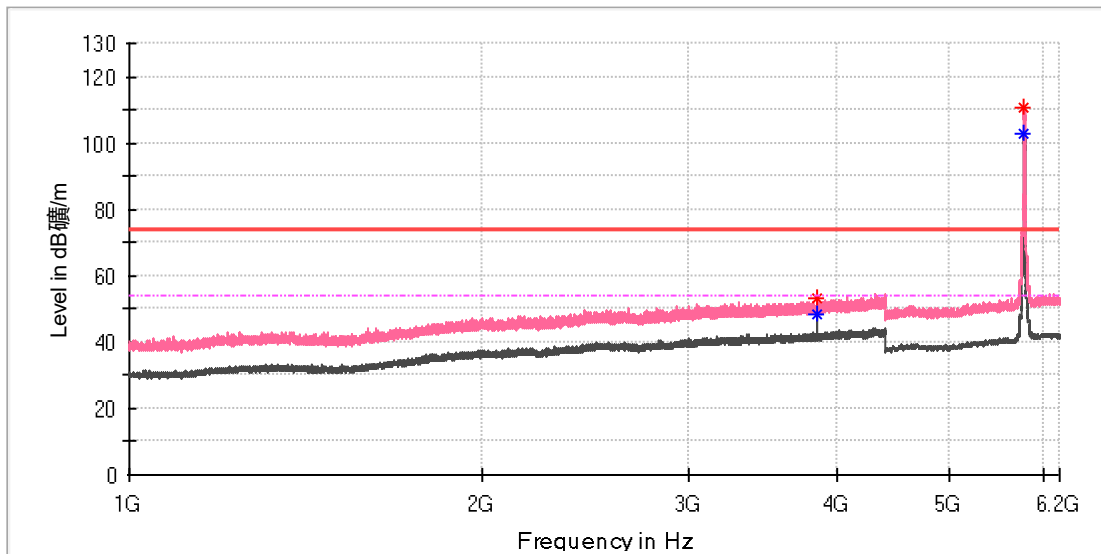
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n20M_CH 157
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.407
 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)
3856.850000	---	48.22	54.00	5.78	100.0	V	194.0	9.9
3857.062500	53.23	---	74.00	20.77	100.0	V	194.0	9.9
5784.000000	---	103.00	/	/	100.0	V	155.0	14.0
5786.500000	110.88	---	/	/	100.0	V	155.0	14.0

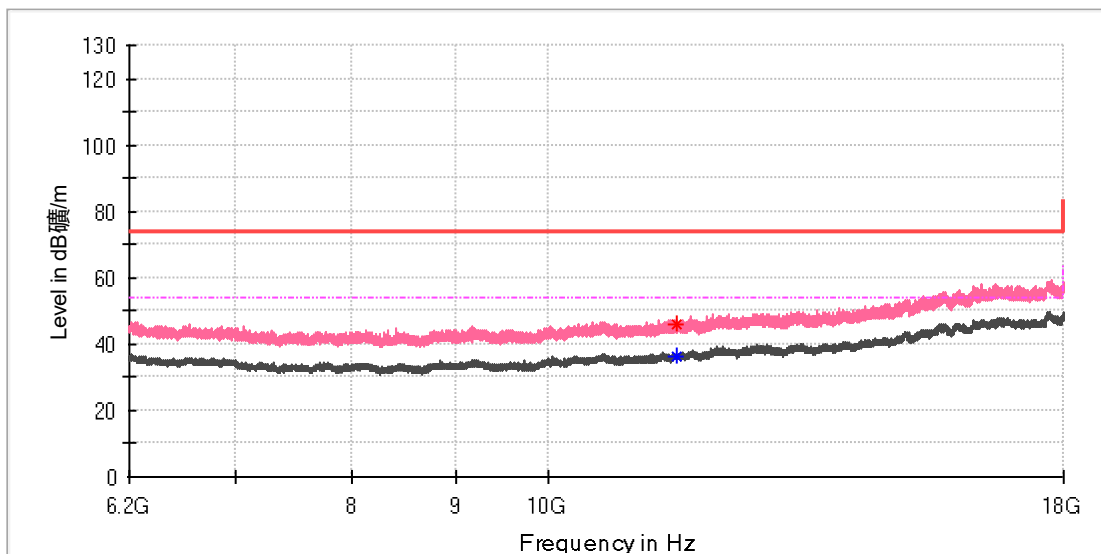
Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n20_CH 157
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
11568.508333	---	36.56	54.00	17.44	100.0	V	258.0	13.4
11573.425000	46.19	---	74.00	27.81	100.0	V	356.0	13.4

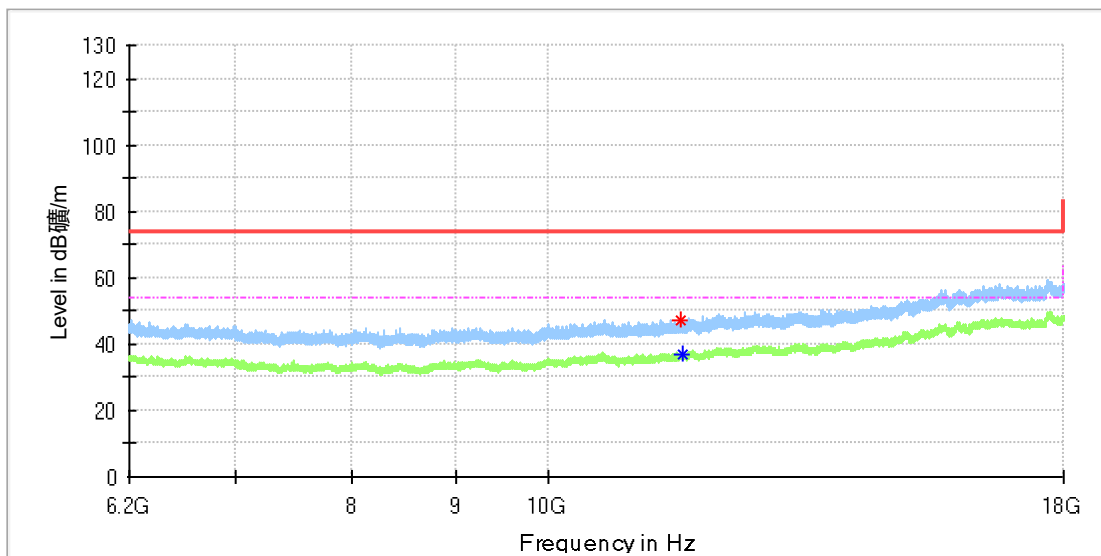
Final Result

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

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n20_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
11640.291667	46.98	---	74.00	27.02	100.0	H	184.0	13.3
11667.333333	---	36.86	54.00	17.14	100.0	H	127.0	13.3

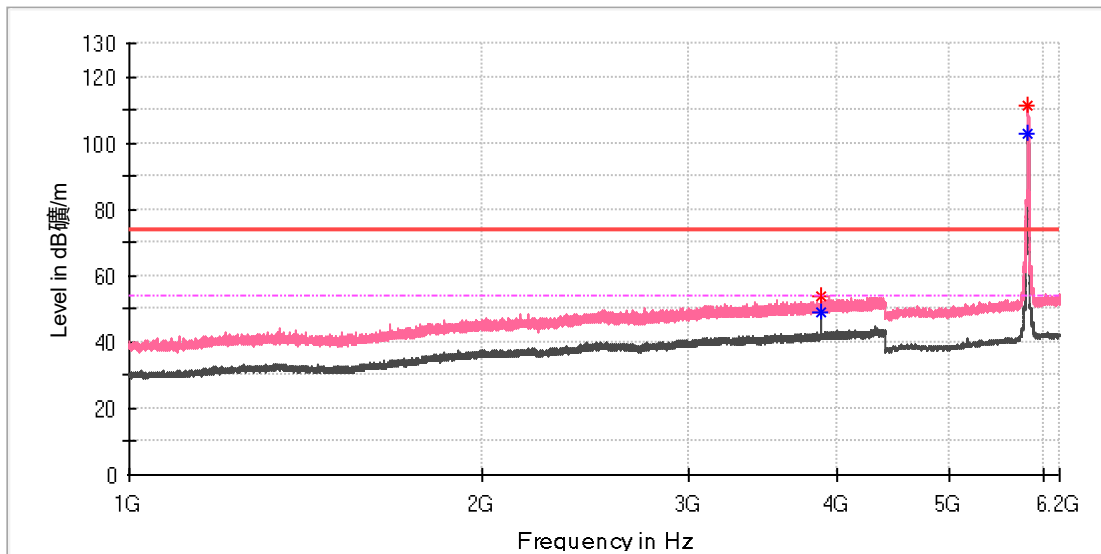
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n20M_CH 165
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.407
 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)
3882.987500	53.72	---	74.00	20.28	100.0	V	197.0	10.0
3883.412500	---	48.82	54.00	5.18	100.0	V	187.0	10.0
5826.500000	---	102.53	/	/	100.0	V	158.0	14.1
5827.000000	111.11	---	/	/	100.0	V	158.0	14.1

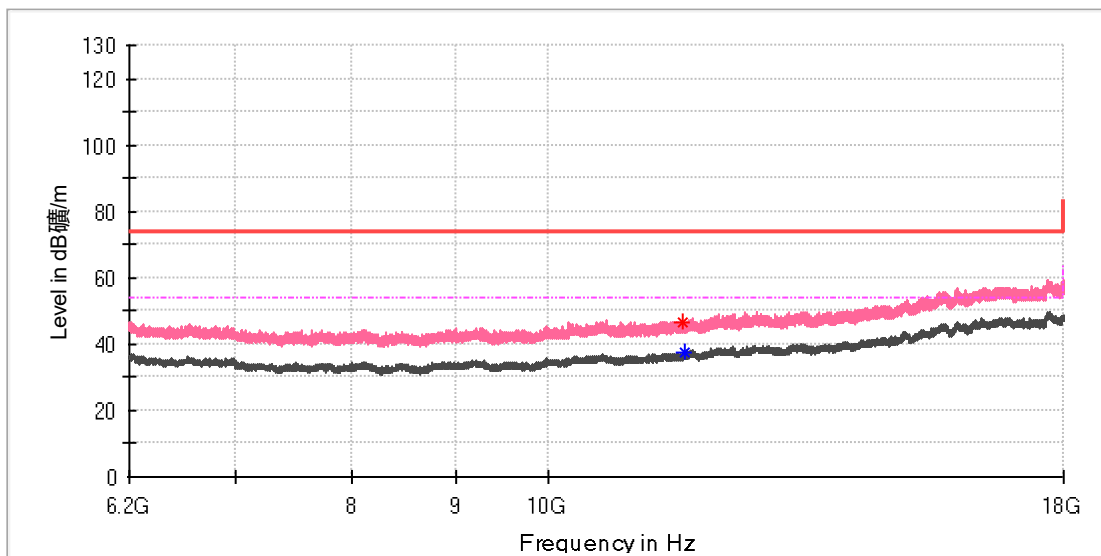
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n20_CH 165
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11657.500000	46.41	---	74.00	27.59	100.0	V	169.0	13.3
11677.658333	---	37.33	54.00	16.67	100.0	V	169.0	13.3

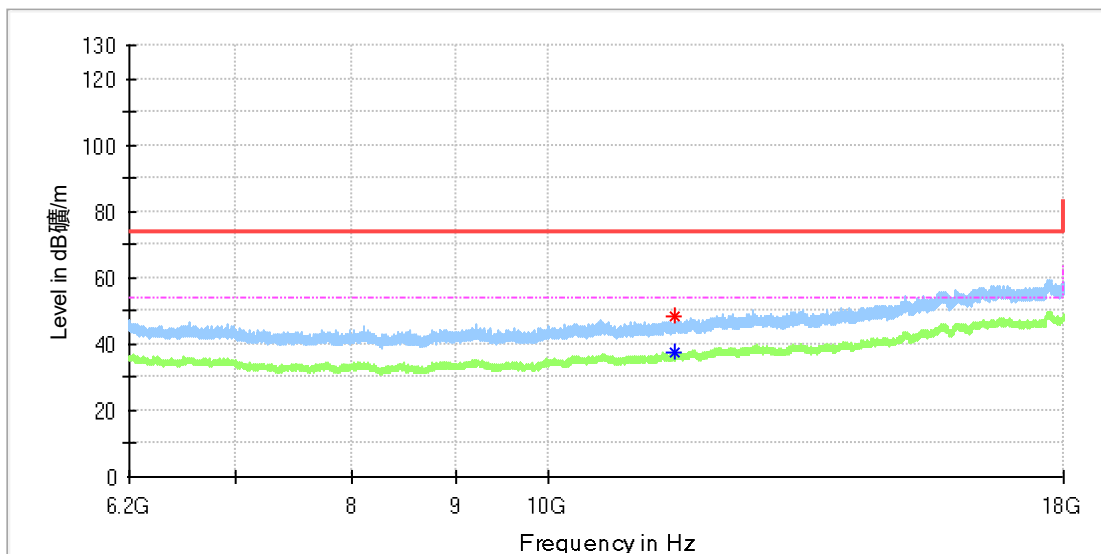
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n40_CH 151
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11537.041667	---	37.50	54.00	16.50	100.0	H	315.0	13.5
11542.450000	48.56	---	74.00	25.44	100.0	H	136.0	13.5

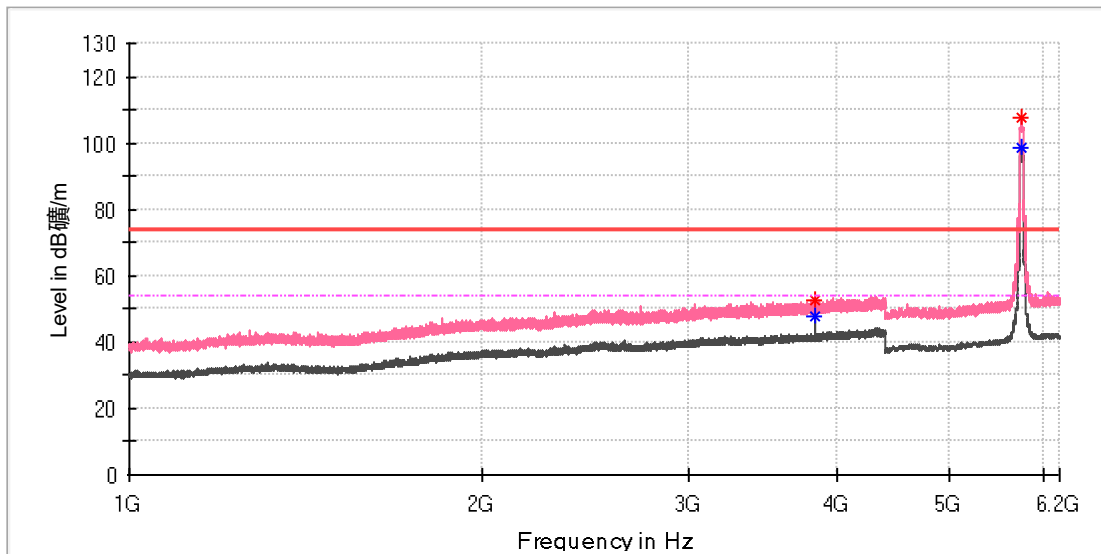
Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n40_CH 151
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
3836.662500	52.38	---	74.00	21.62	100.0	V	14.0	9.9
3836.875000	---	47.62	54.00	6.38	100.0	V	14.0	9.9
5753.000000	107.34	---	/	/	100.0	V	59.0	13.9
5754.000000	---	98.67	/	/	100.0	V	59.0	13.9

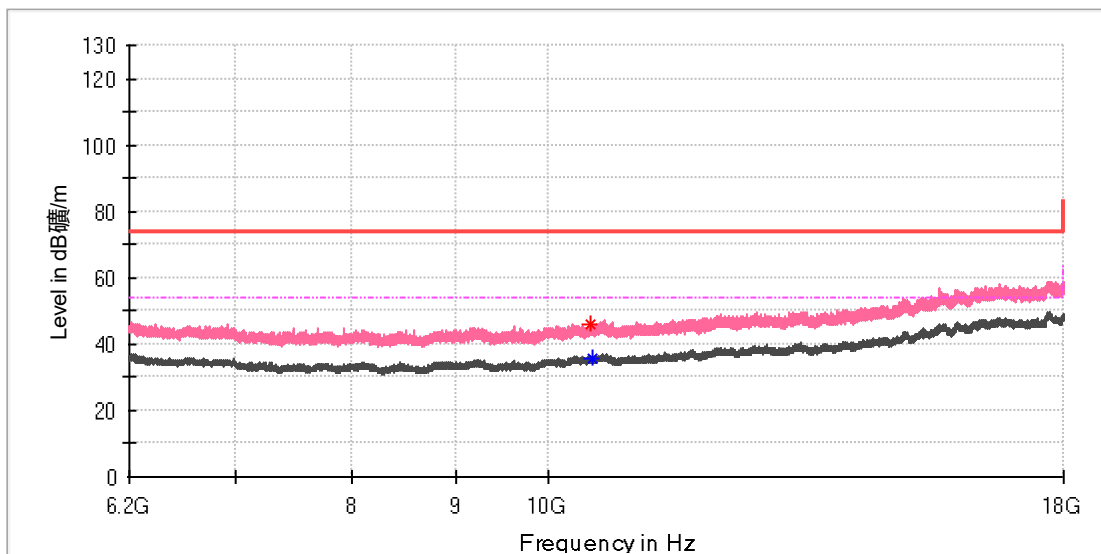
Final Result

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

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n40_CH 151
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
10502.575000	45.92	---	74.00	28.08	100.0	V	24.0	12.0
10513.391667	---	35.62	54.00	18.38	100.0	V	24.0	12.0

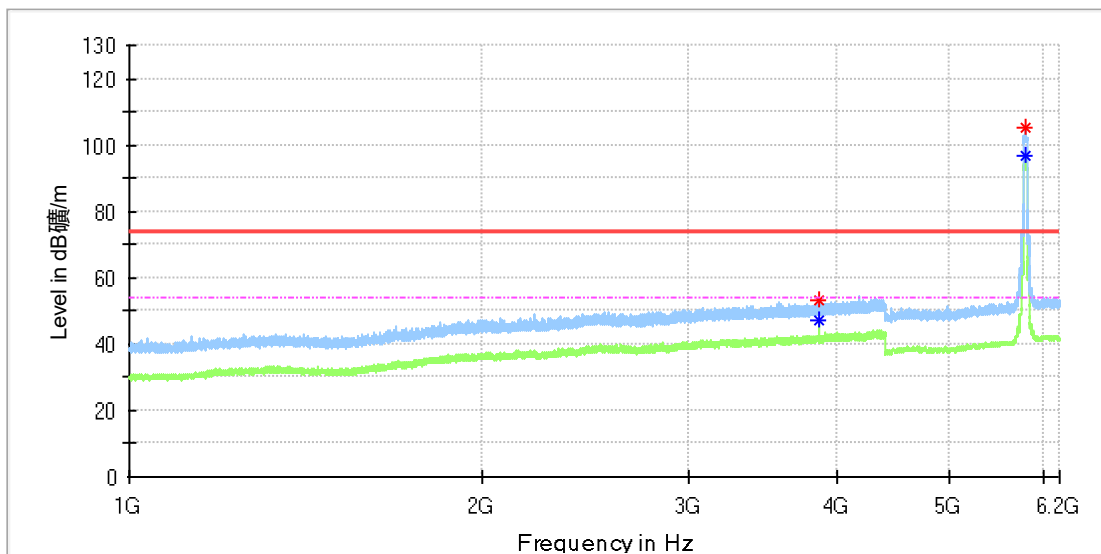
Final Result

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

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n40_CH 159
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
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)
3863.437500	52.98	---	74.00	21.02	100.0	H	73.0	9.9
3863.437500	---	47.42	54.00	6.58	100.0	H	73.0	9.9
5796.500000	---	96.58	/	/	100.0	H	52.0	14.0
5797.500000	105.20	---	/	/	100.0	H	52.0	14.0

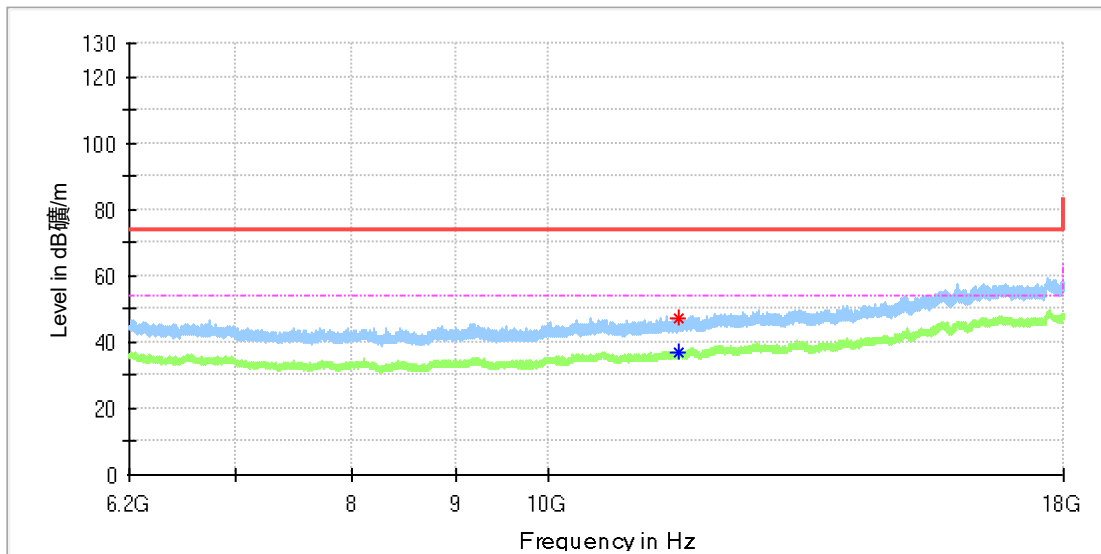
Final Result

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

Produkte
 Products

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n40_CH 159
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11597.025000	47.06	---	74.00	26.94	100.0	H	295.0	13.3
11609.808333	---	37.09	54.00	16.91	100.0	H	67.0	13.3

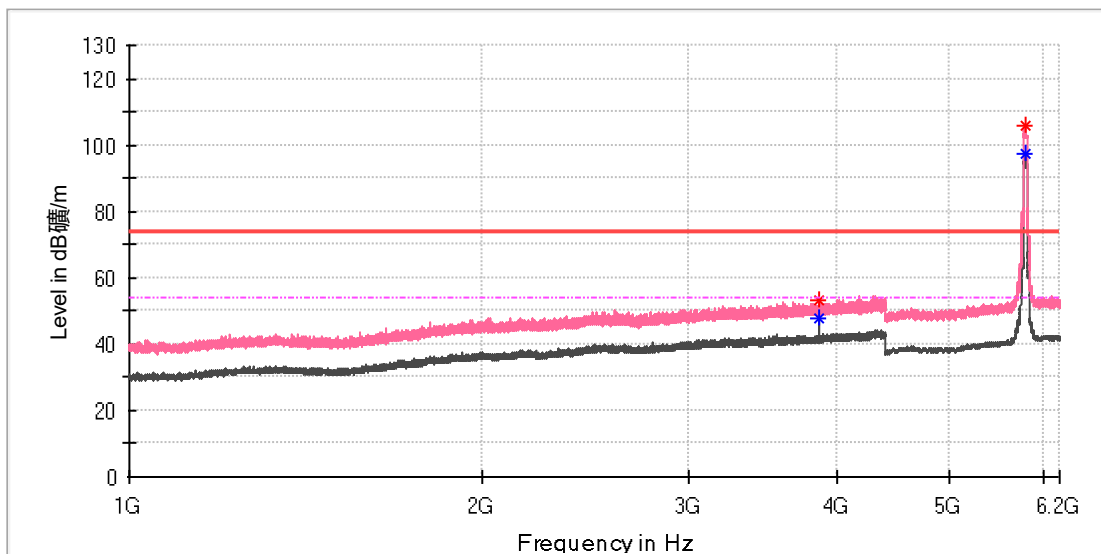
Final Result

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

Produkte
 Products

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11n40_CH 159
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
3863.437500	52.99	---	74.00	21.01	100.0	V	5.0	9.9
3863.437500	---	47.69	54.00	6.31	100.0	V	5.0	9.9
5794.000000	106.09	---	/	/	100.0	V	283.0	14.0
5796.500000	---	97.24	/	/	100.0	V	283.0	14.0

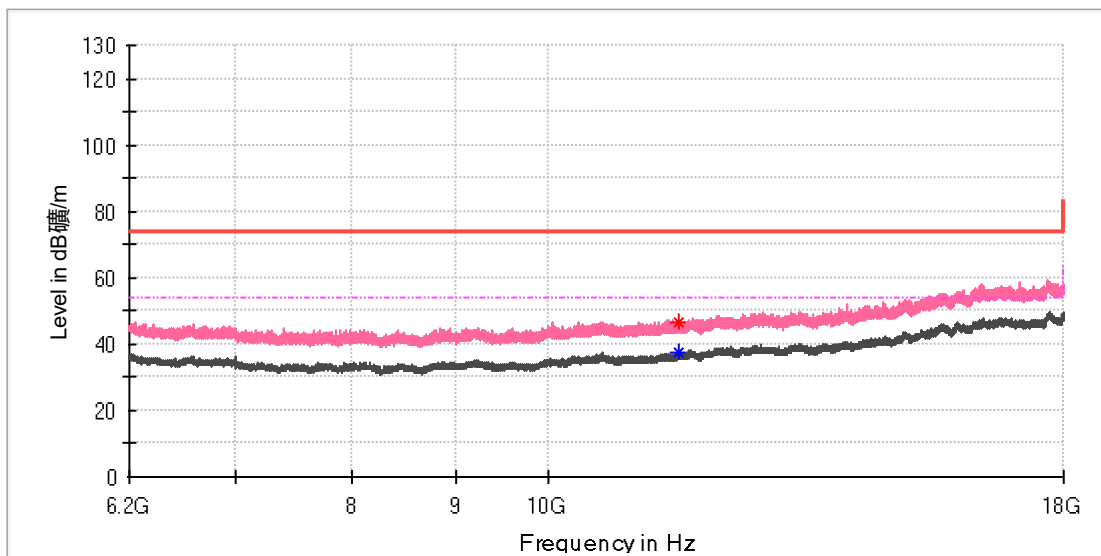
Final Result

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

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n40_CH 159
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical Freqs

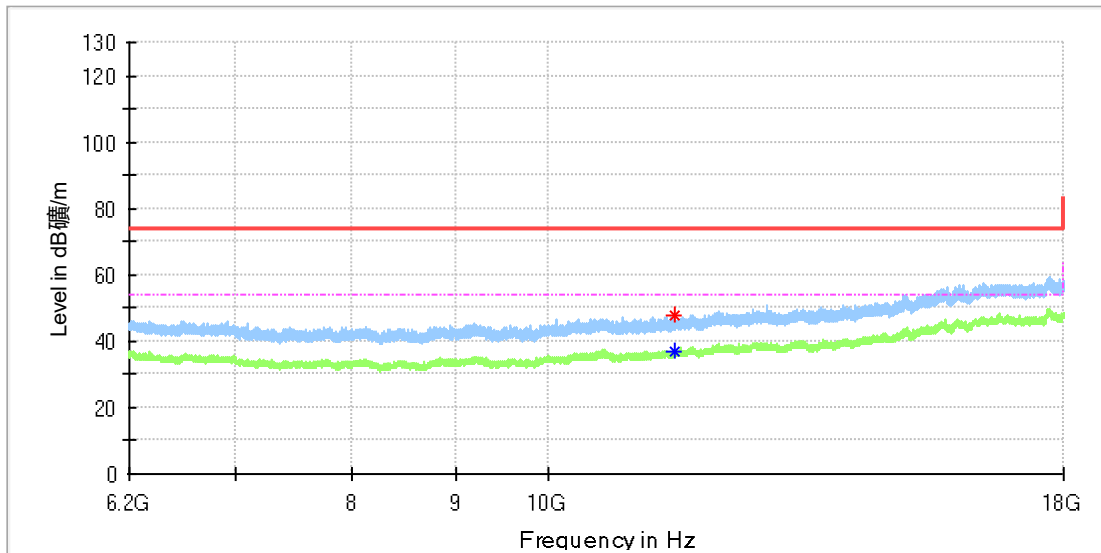
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11595.550000	46.60	---	74.00	27.40	100.0	V	194.0	13.3
11608.333333	---	37.22	54.00	16.78	100.0	V	194.0	13.3

Final Result

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

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11ac80_CH 155
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11547.858333	---	36.86	54.00	17.14	100.0	H	100.0	13.5
11556.708333	47.79	---	74.00	26.21	100.0	H	264.0	13.5

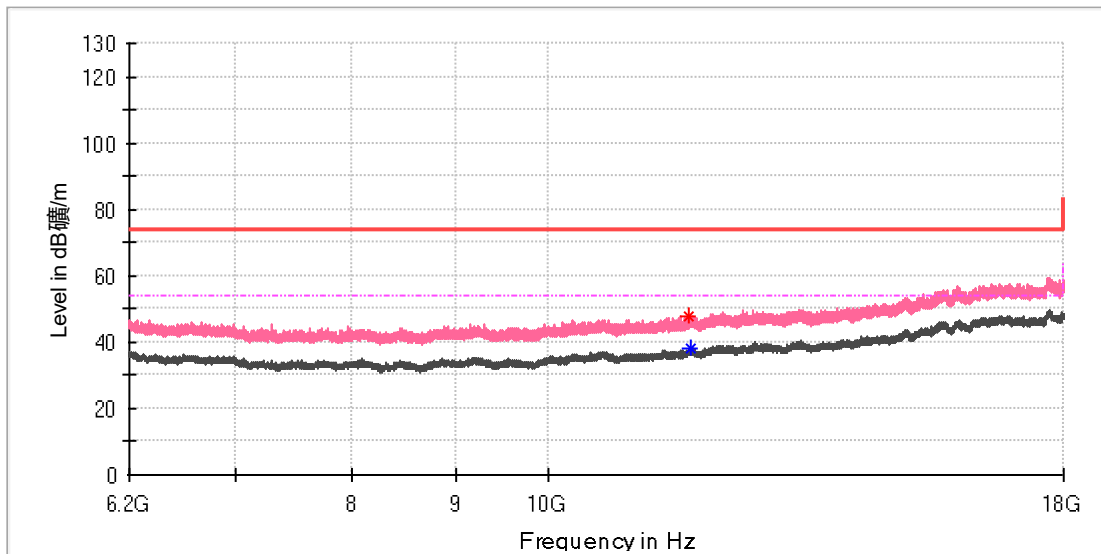
Final_Result

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

Produkte
 Products

EUT Information

EUT Name: Control Extender
 Model: EL-IO-200
 Test Mode: Wi-Fi 5G 11ac80_CH 155
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:48%
 Test Standard: FCC 15.407
 Tested By: Alano Qu
 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)
11741.083333	47.90	---	74.00	26.10	100.0	V	39.0	13.3
11757.800000	---	38.12	54.00	15.88	100.0	V	277.0	13.4

Final Result

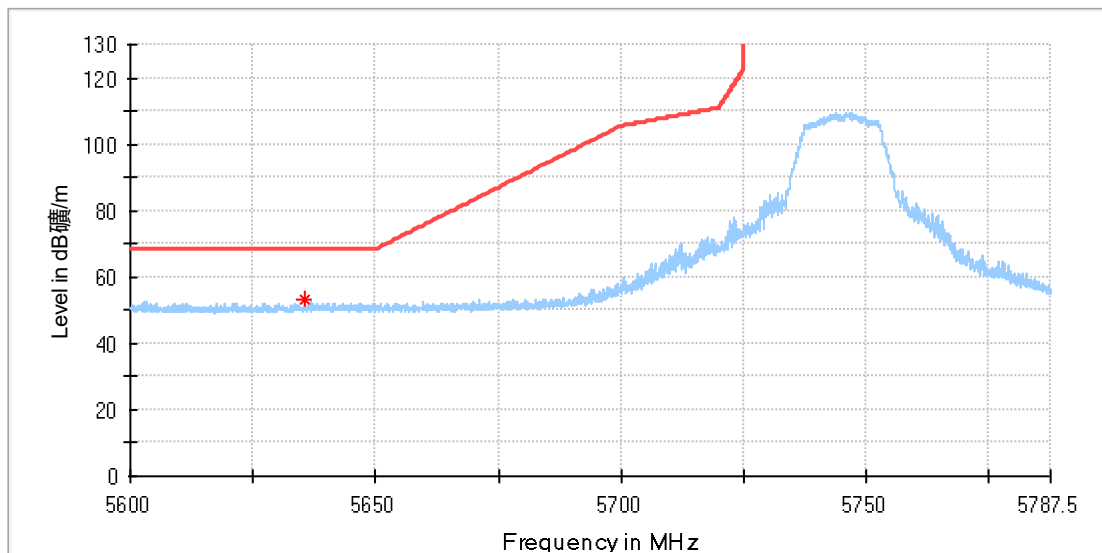
Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

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Appendix C.6: Test Results of Radiated Emissions in Restricted Bands Wi-Fi 802.11 a mode

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 149
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin

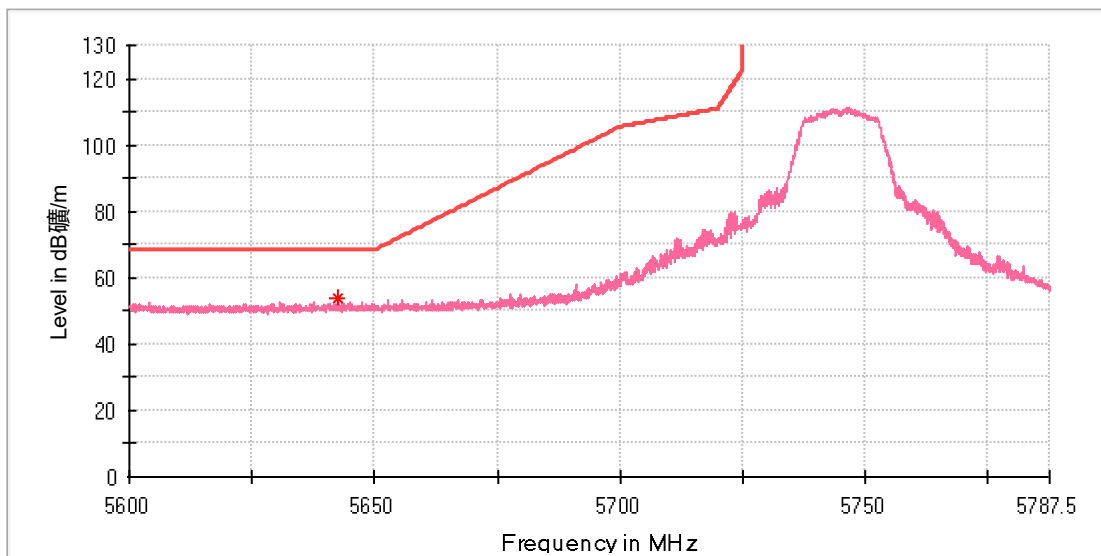


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5635.520833	53.11	---	68.20	15.09	100.0	H	78.0	13.8

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 149
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



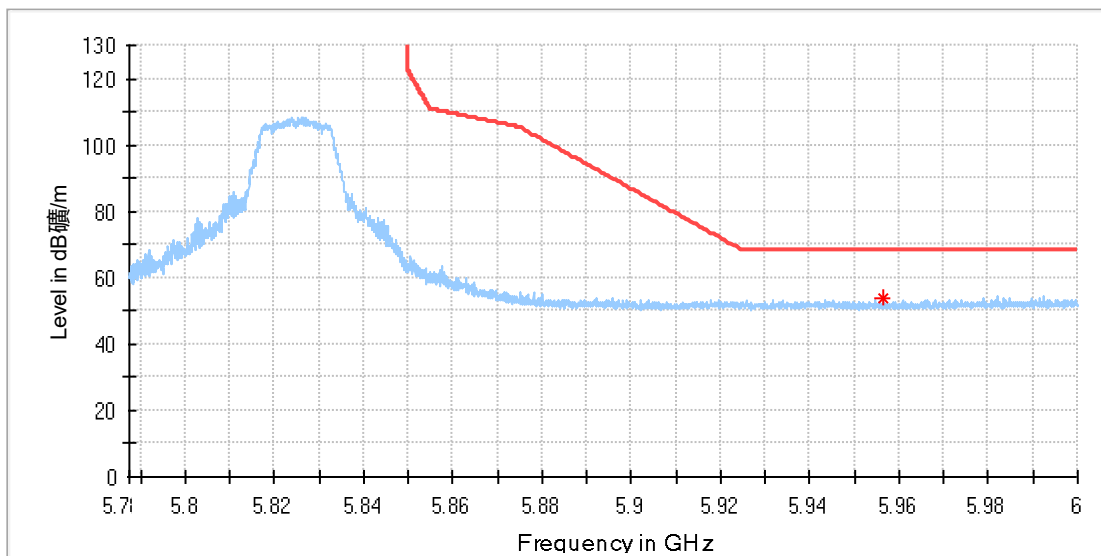
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5642.656250	53.54	---	68.20	14.66	100.0	V	107.0	13.8

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



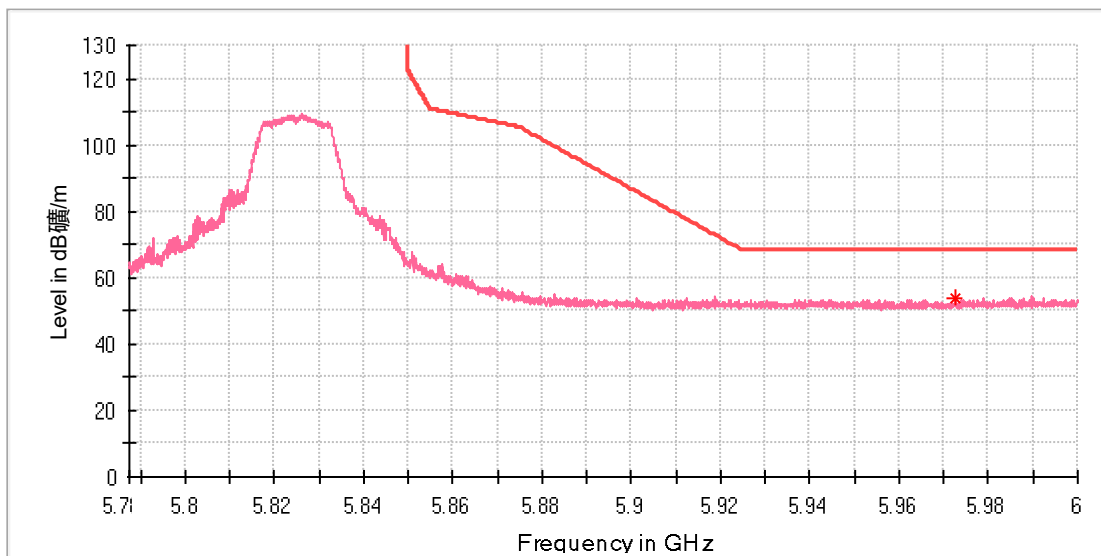
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5956.260417	53.95	---	68.20	14.25	100.0	H	43.0	14.8

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical Freqs

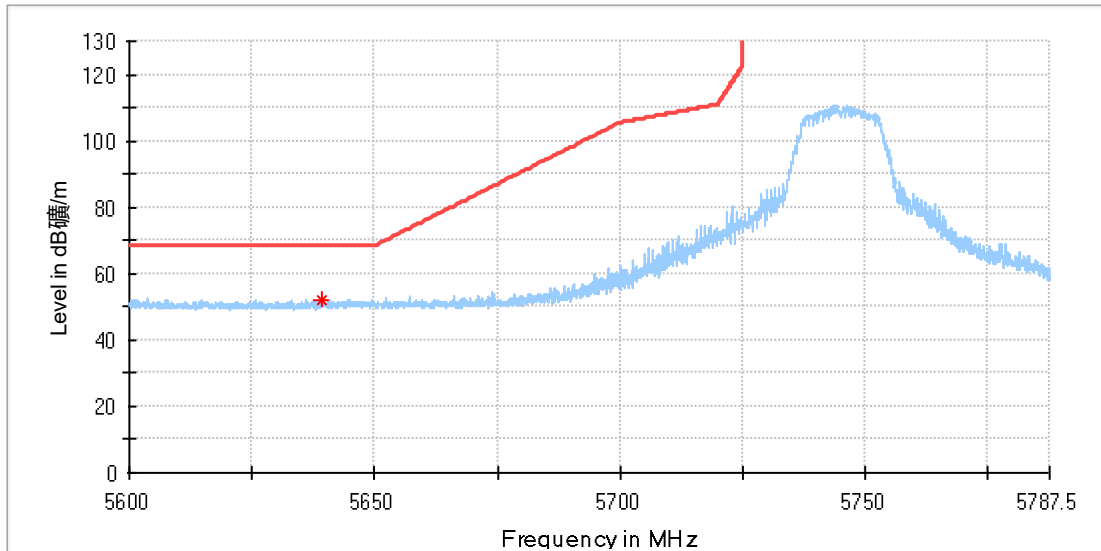
Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5972.611111	53.79	---	68.20	14.41	100.0	V	150.0	14.9

Produkte
 Products

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



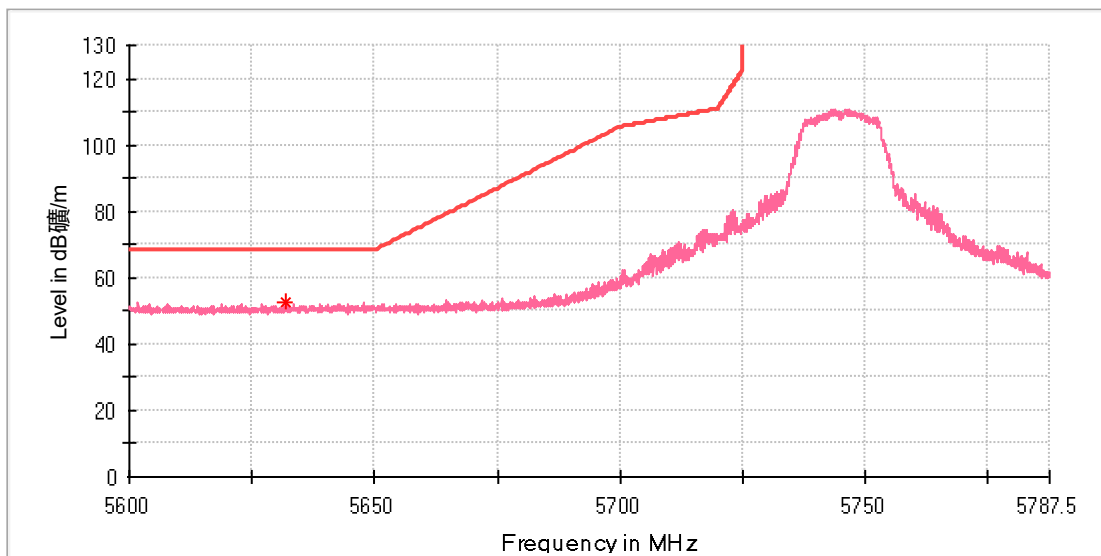
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5639.166667	52.25	---	68.20	15.95	100.0	H	250.0	13.8

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11a_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



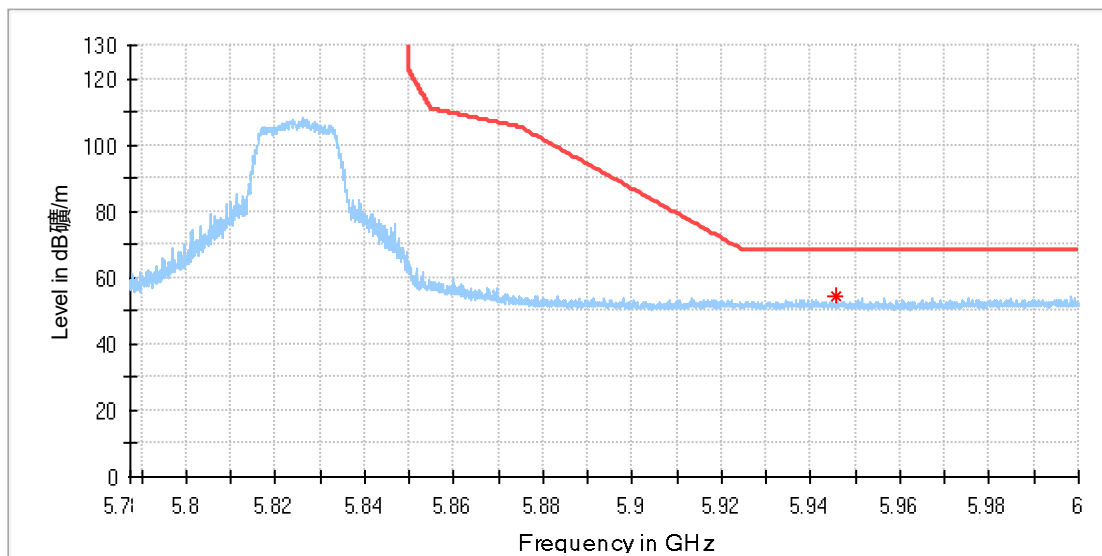
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5632.031250	52.86	---	68.20	15.34	100.0	V	59.0	13.8

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n20_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



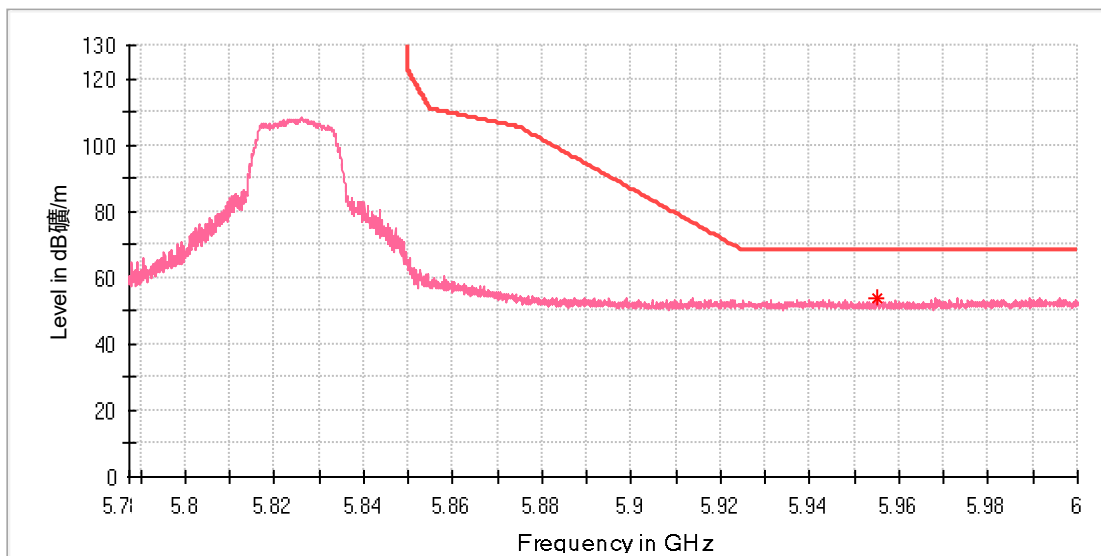
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5945.576389	54.21	---	68.20	13.99	100.0	H	343.0	14.7

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n20_CH 165
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical Freqs

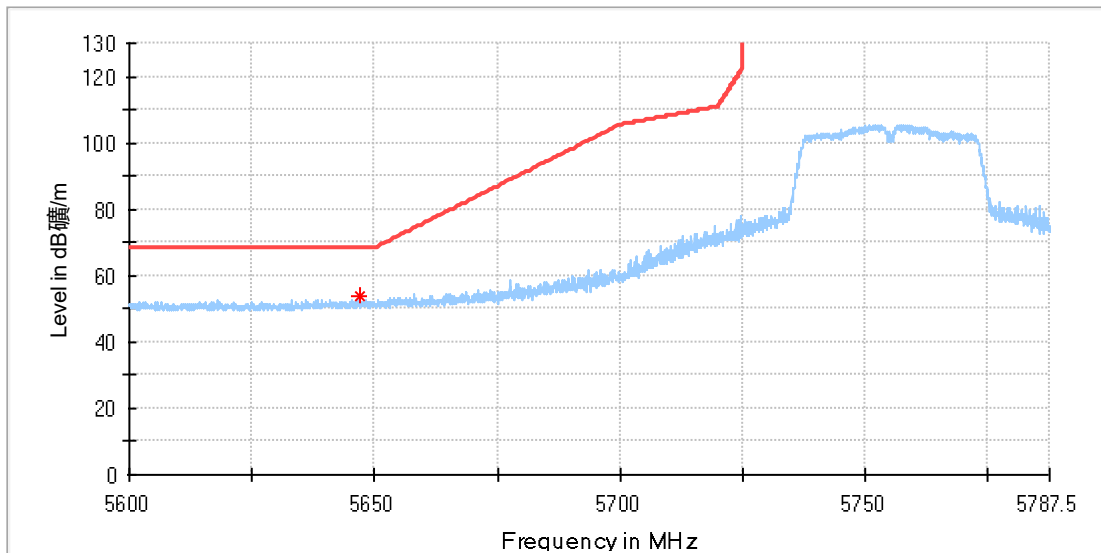
Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5955.256945	53.52	---	68.20	14.68	100.0	V	291.0	14.8

Produkte
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Wi-Fi 802.11 n(HT40) mode

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n40_CH 151
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin

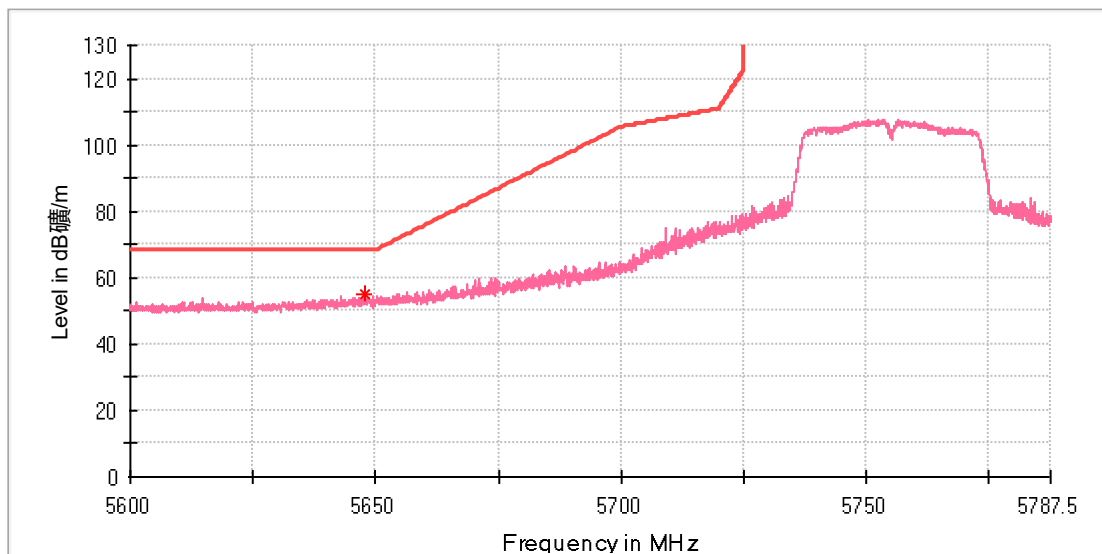


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.979167	53.82	---	68.20	14.38	100.0	H	56.0	13.8

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n40_CH 151
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



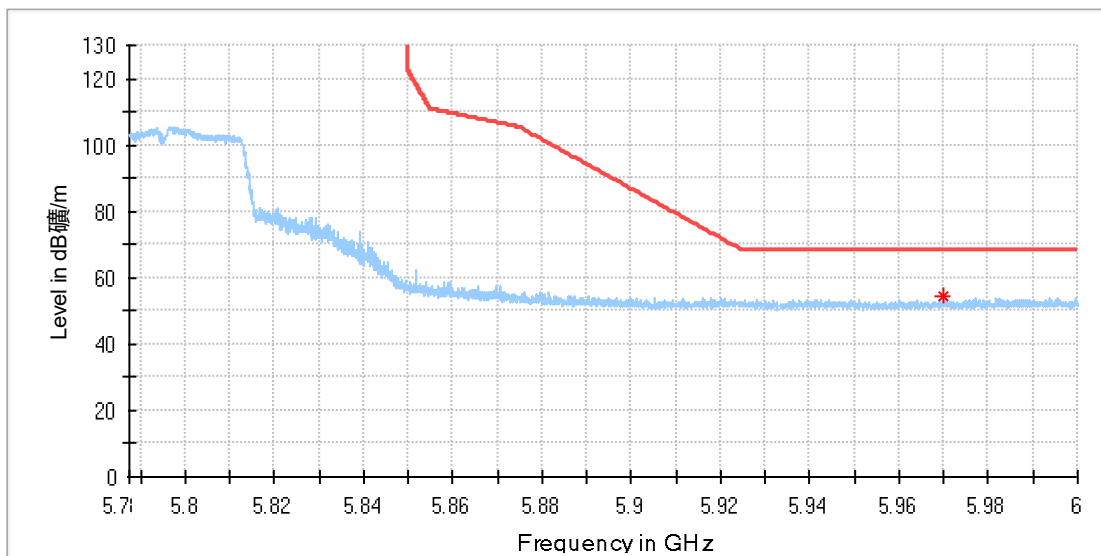
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5647.656250	55.12	---	68.20	13.08	100.0	V	75.0	13.8

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n40_CH 159
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



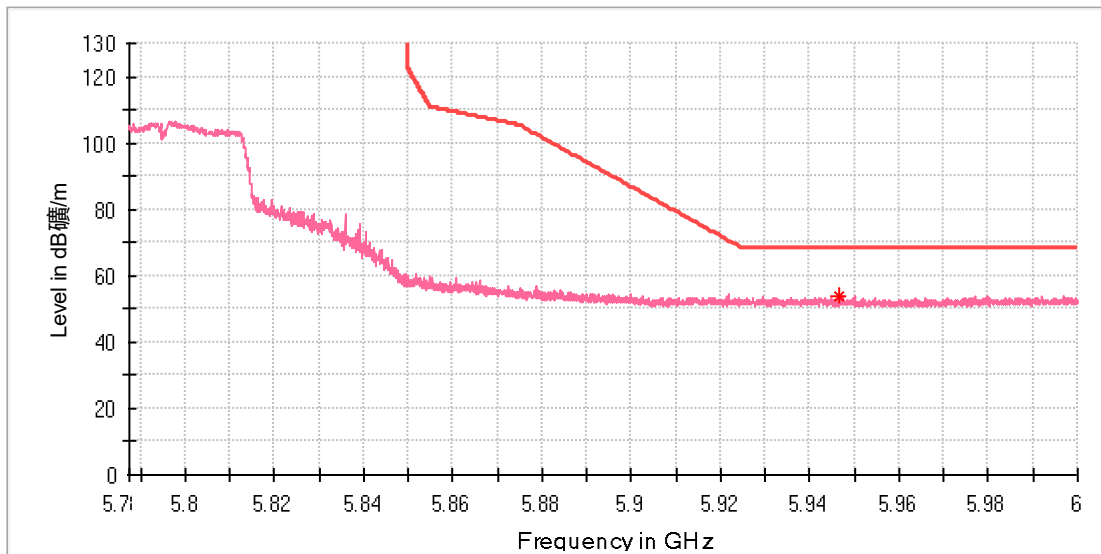
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5969.954861	54.28	---	68.20	13.93	100.0	H	33.0	14.9

Produkte
 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11n40_CH 159
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical Freqs

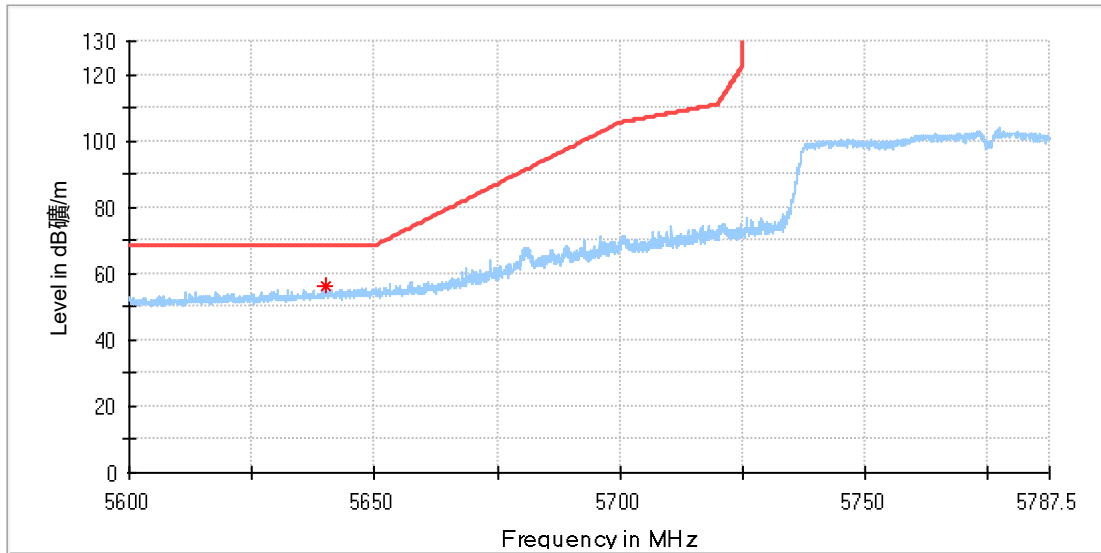
Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5946.402778	53.79	---	68.20	14.41	100.0	V	279.0	14.8

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Wi-Fi 802.11 ac(HT80) mode

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11ac80_CH 155
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin

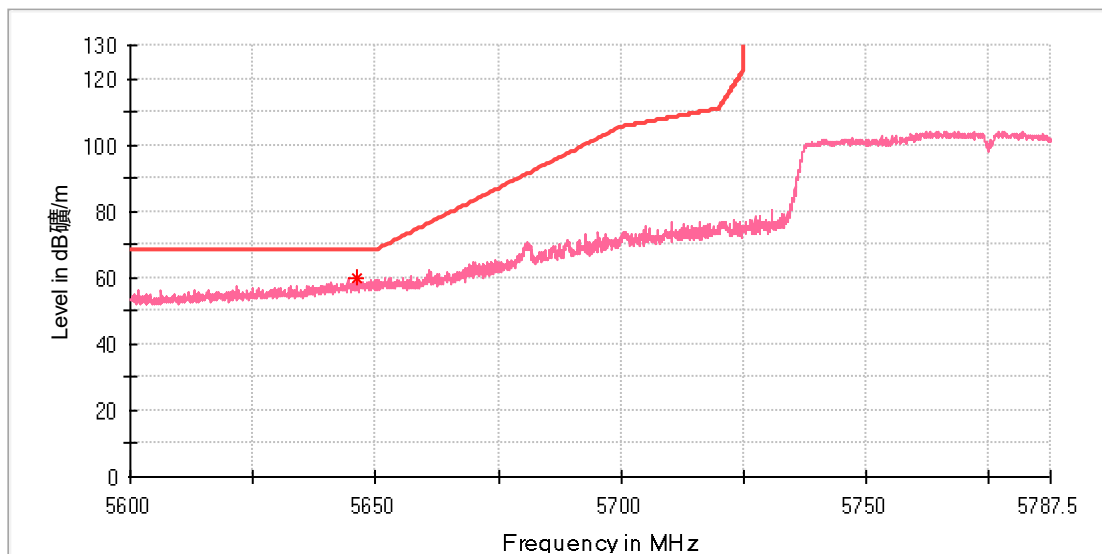


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	DET 2 (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5640.000000	56.08	---	68.20	12.12	100.0	H	65.0	13.8

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	Wi-Fi 5G 11ac80_CH 155
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.407
Tested By:	Alano Qu
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	DET 2 (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.354167	60.03	---	68.20	8.17	100.0	V	67.0	13.8

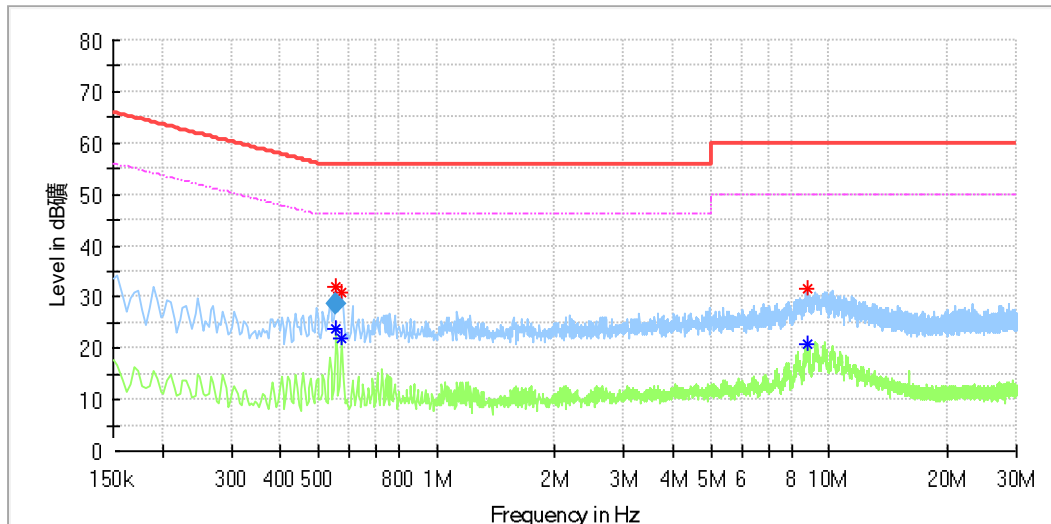
Produkte
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Appendix C.7: Test Results of Conducted Emission on AC Mains

Wi-Fi 802.11 a/n/ac connecting mode

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Sample No	A002938509-003
Test Mode:	WIFI5G
Test Voltage::	120V/60Hz
Remark:	Temp:23.1;Humi:52%
Test standard:	FCC 15E
Tested By:	Xlqiang Ma
Reviewed by	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line
0.553500	31.99	---	56.00	24.01	---	L1
0.554000	---	23.64	46.00	22.36	---	L1
0.574000	---	21.89	46.00	24.11	---	L1
0.574000	30.73	---	56.00	25.27	---	L1
8.802000	---	20.74	50.00	29.26	---	L1
8.834000	31.46	---	60.00	28.54	---	L1

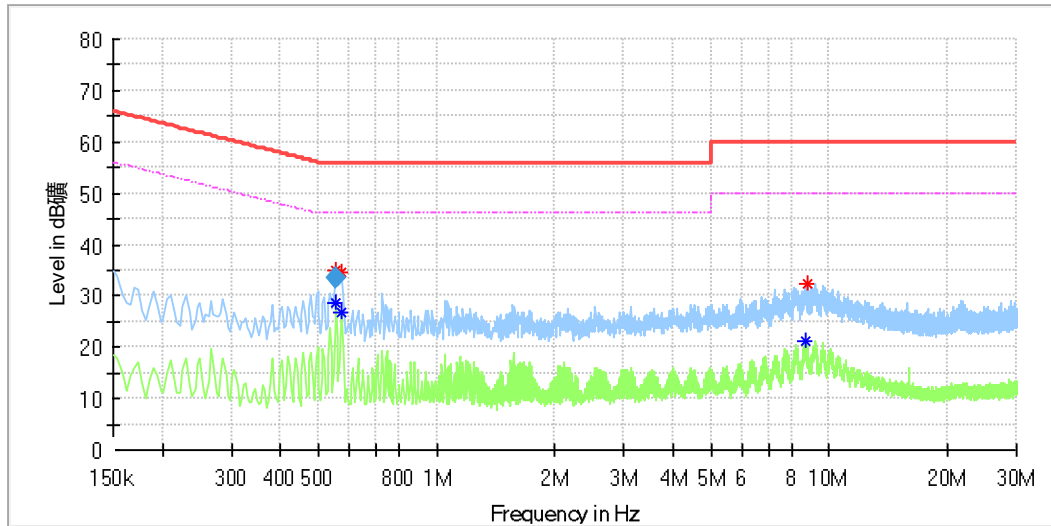
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line
0.553500	28.60	---	56.00	27.40	1000.0	9.000	L1

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 Products

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Sample No	A002938509-003
Test Mode:	WIFI5G
Test Voltage::	120V/60Hz
Remark:	Temp:23.1;Humi:52%
Test standard:	FCC 15E
Tested By:	Xlqiang Ma
Reviewed by	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line
0.553500	34.94	---	56.00	21.06	---	N
0.554000	---	28.51	46.00	17.49	---	N
0.570000	---	26.70	46.00	19.30	---	N
0.570000	34.53	---	56.00	21.47	---	N
8.702000	---	21.05	50.00	28.95	---	N
8.798000	32.28	---	60.00	27.72	---	N

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line
0.553500	33.38	---	56.00	22.62	1000.0	9.000	N