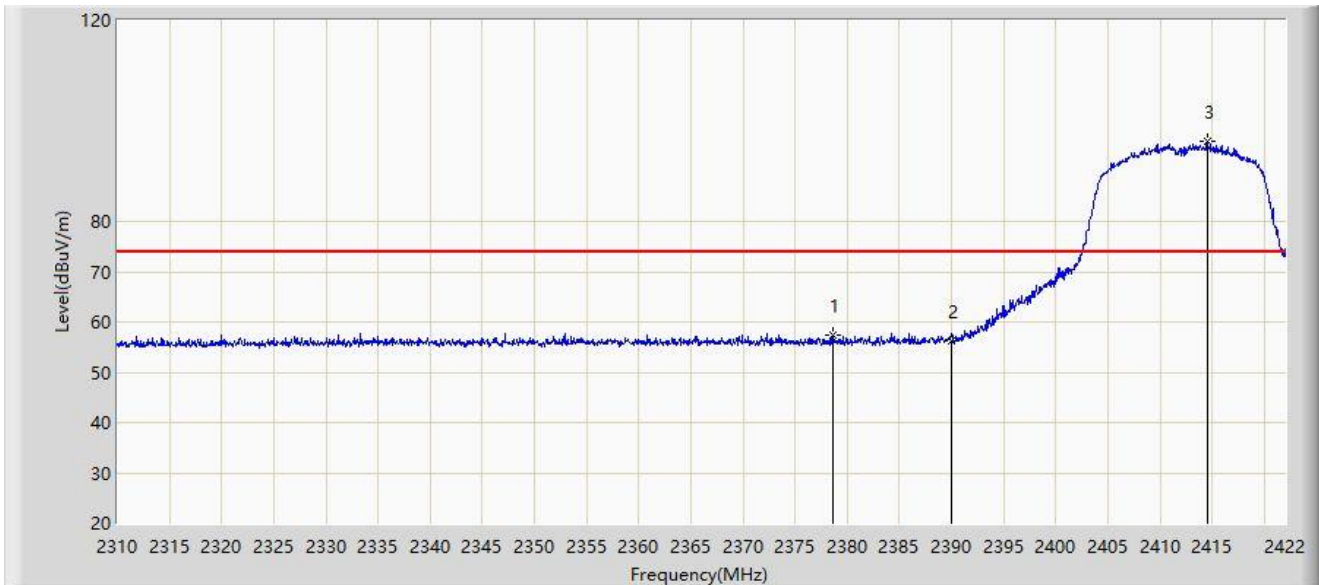


Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz with Ant 0	



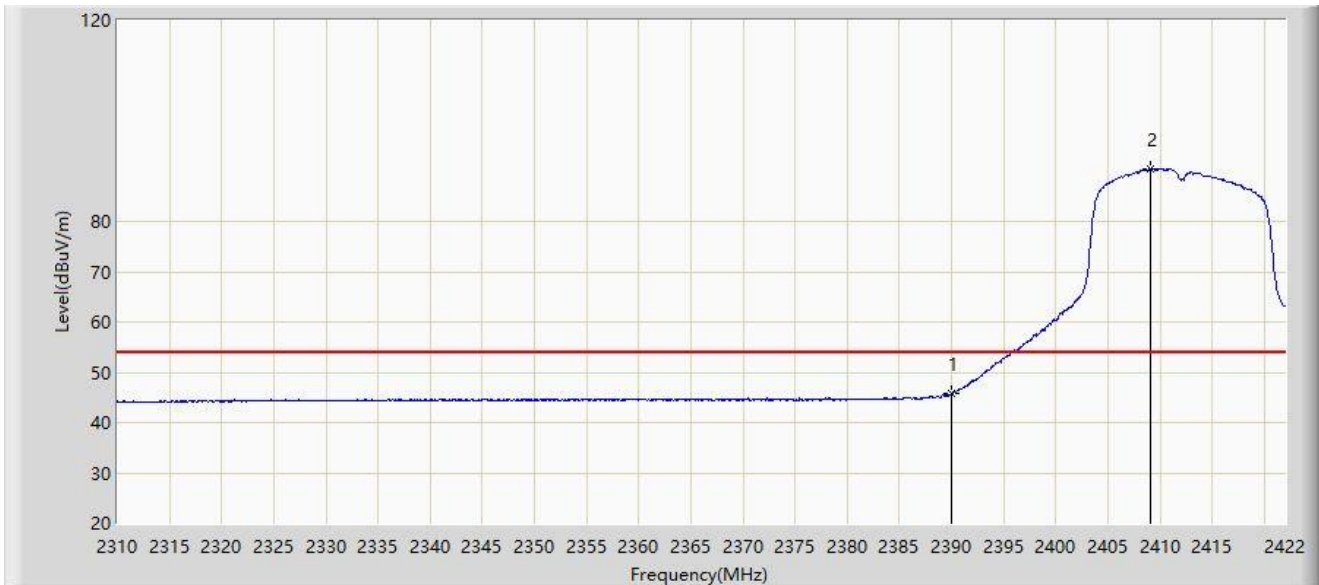
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2378.600	57.488	25.980	-16.512	74.000	31.508	PK
2		2390.000	56.217	24.502	-17.783	74.000	31.715	PK
3		2414.496	96.026	64.214	N/A	N/A	31.811	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz with Ant 0	



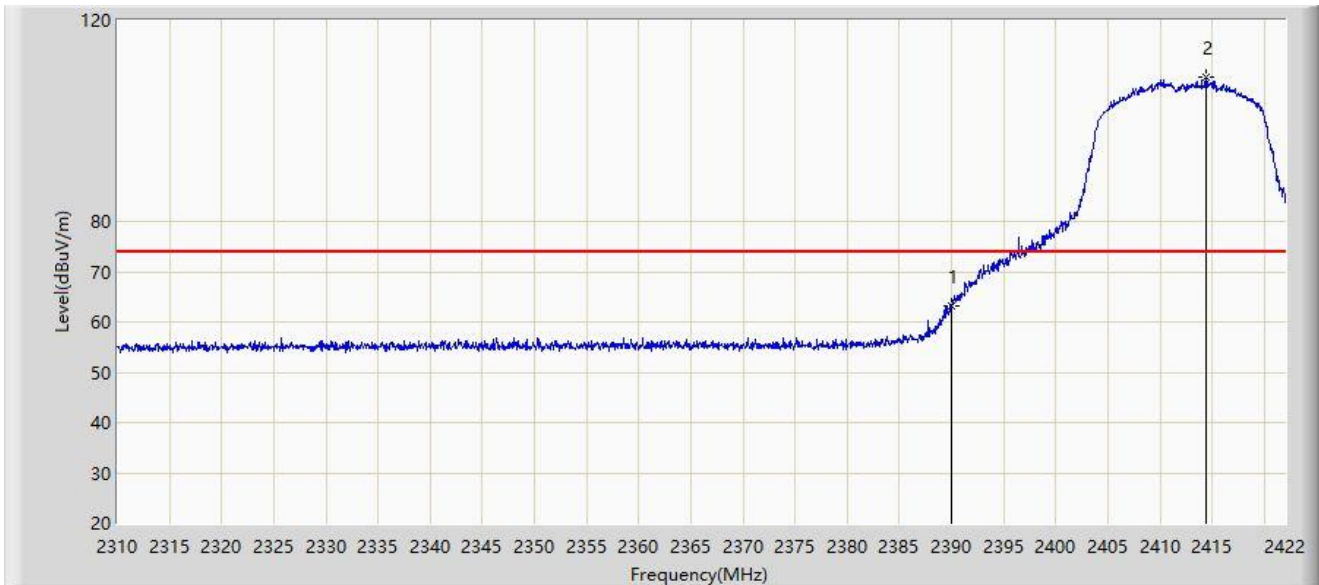
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2390.000	45.793	14.078	-8.207	54.000	31.715	AV
2		2409.064	90.488	58.686	N/A	N/A	31.801	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz with Ant 1	



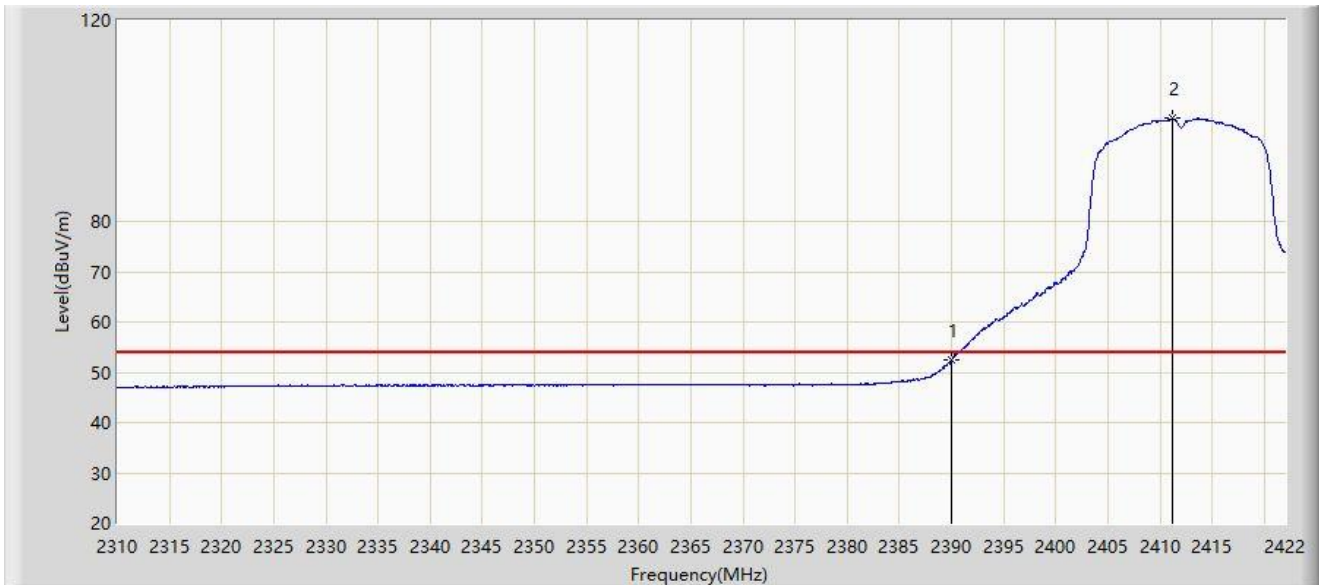
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2390.000	63.268	31.553	-10.732	74.000	31.715	PK
2		2414.440	108.837	77.026	N/A	N/A	31.811	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz with Ant 1	



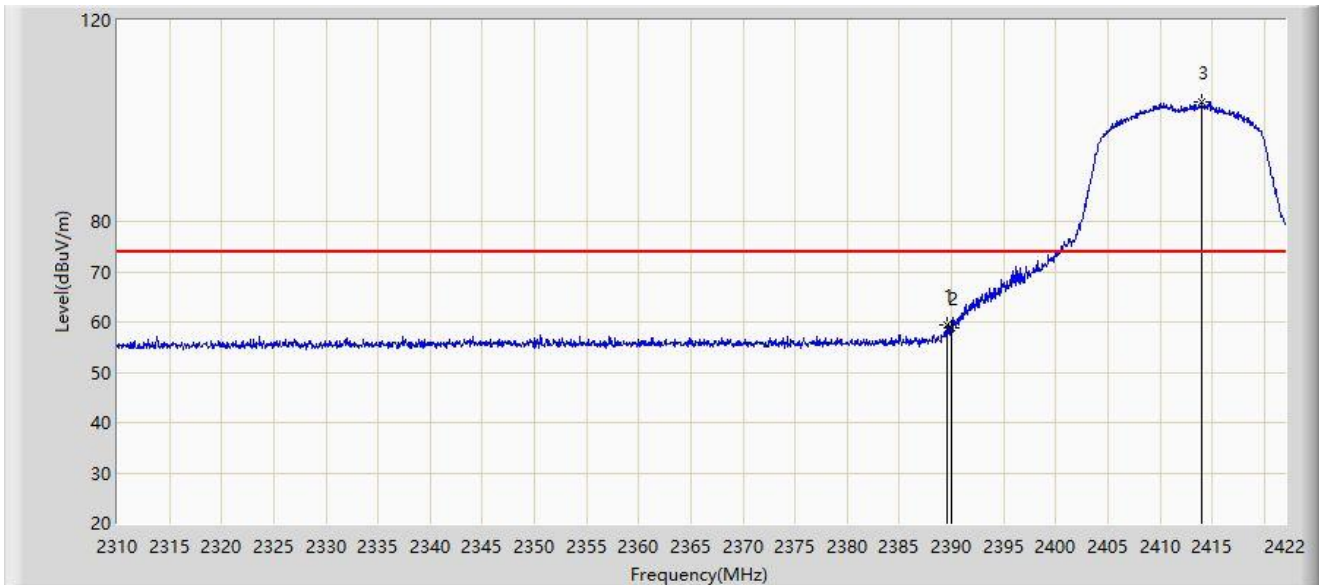
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2390.000	52.373	20.658	-1.627	54.000	31.715	AV
2		2411.136	100.445	68.641	N/A	N/A	31.803	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz with Ant 1	



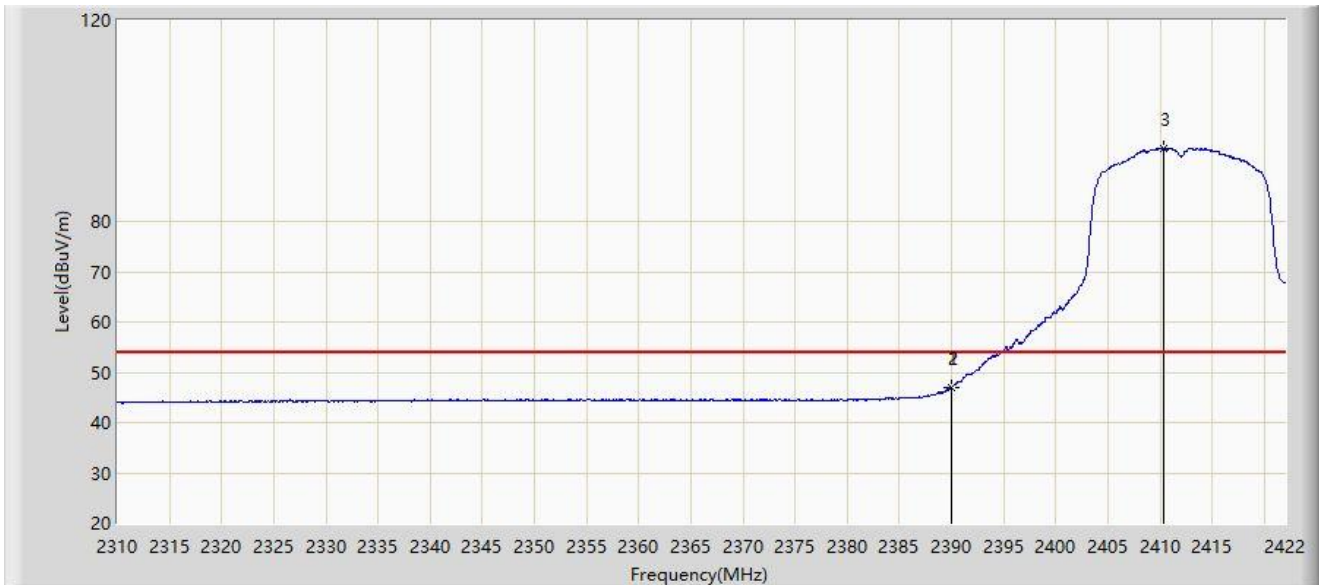
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2389.520	59.304	27.597	-14.696	74.000	31.707	PK
2		2390.000	58.789	27.074	-15.211	74.000	31.715	PK
3		2414.048	103.662	71.852	N/A	N/A	31.811	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2412MHz with Ant 1	



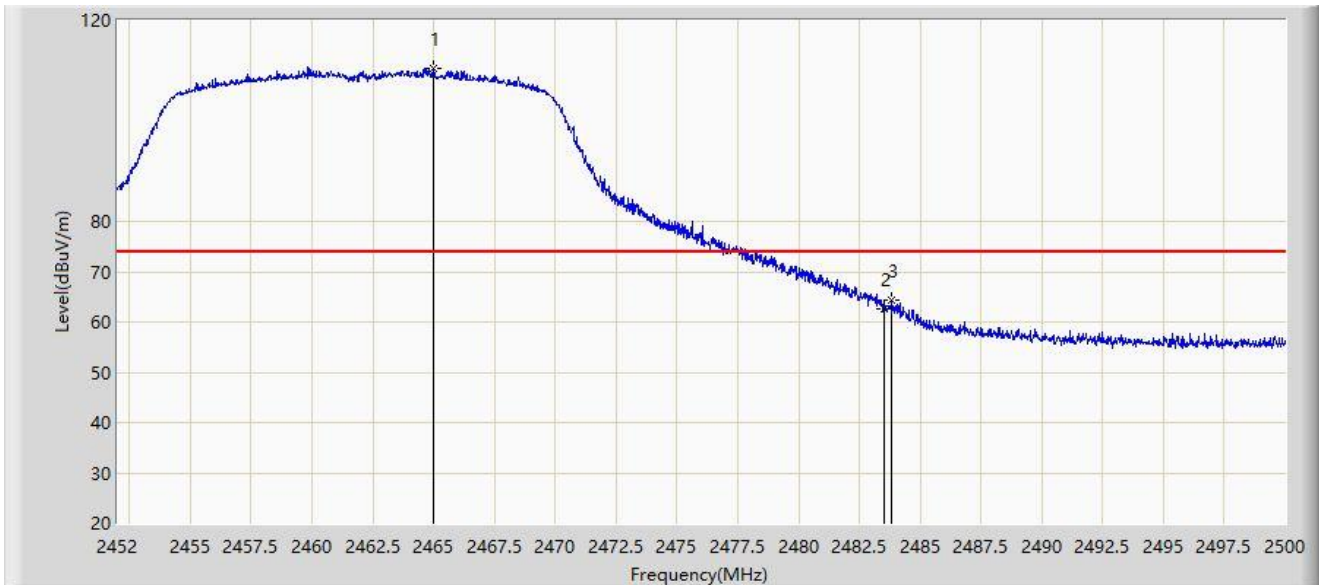
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.968	47.079	15.364	-6.921	54.000	31.715	AV
2		2390.000	47.069	15.354	-6.931	54.000	31.715	AV
3		2410.296	94.527	62.724	N/A	N/A	31.803	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 0	



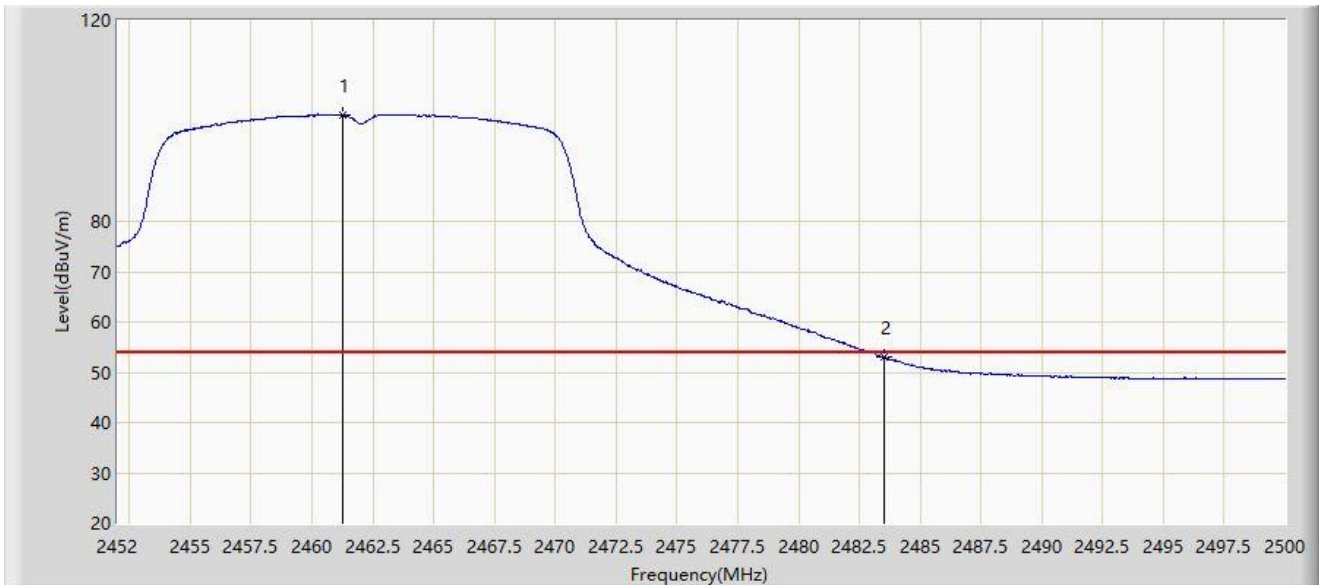
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2464.984	110.313	78.264	N/A	N/A	32.048	PK
2		2483.500	62.539	30.449	-11.461	74.000	32.090	PK
3	*	2483.848	64.315	32.225	-9.685	74.000	32.090	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 0	



No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2461.240	101.259	69.223	N/A	N/A	32.035	AV
2	*	2483.500	53.061	20.971	-0.939	54.000	32.090	AV

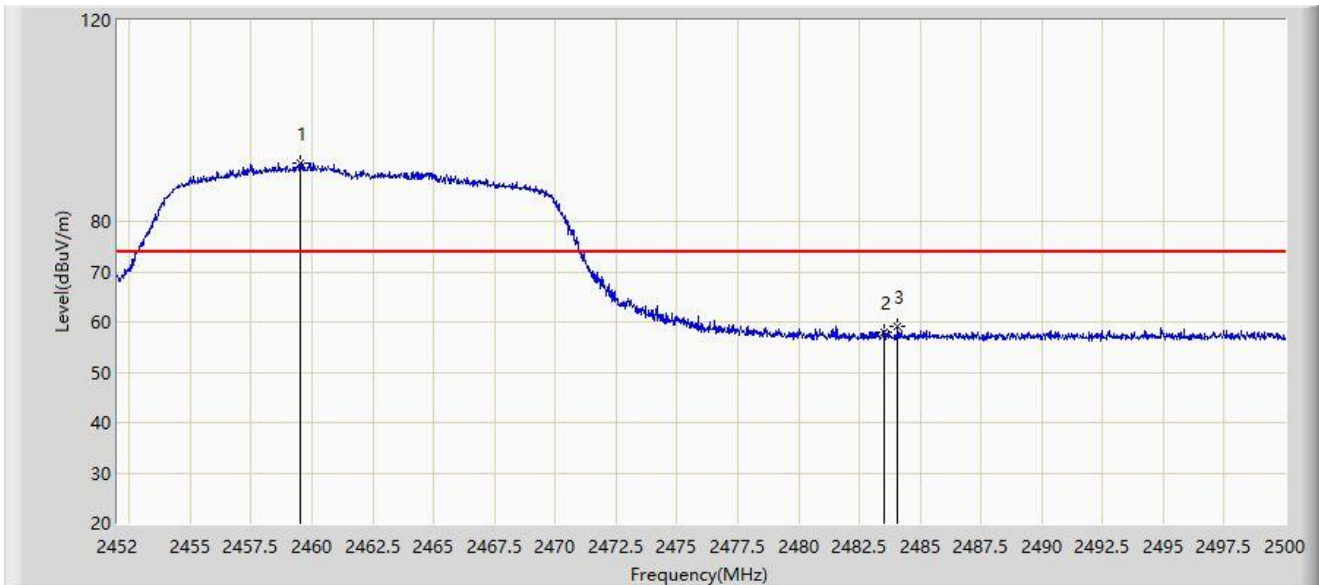
Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 0	



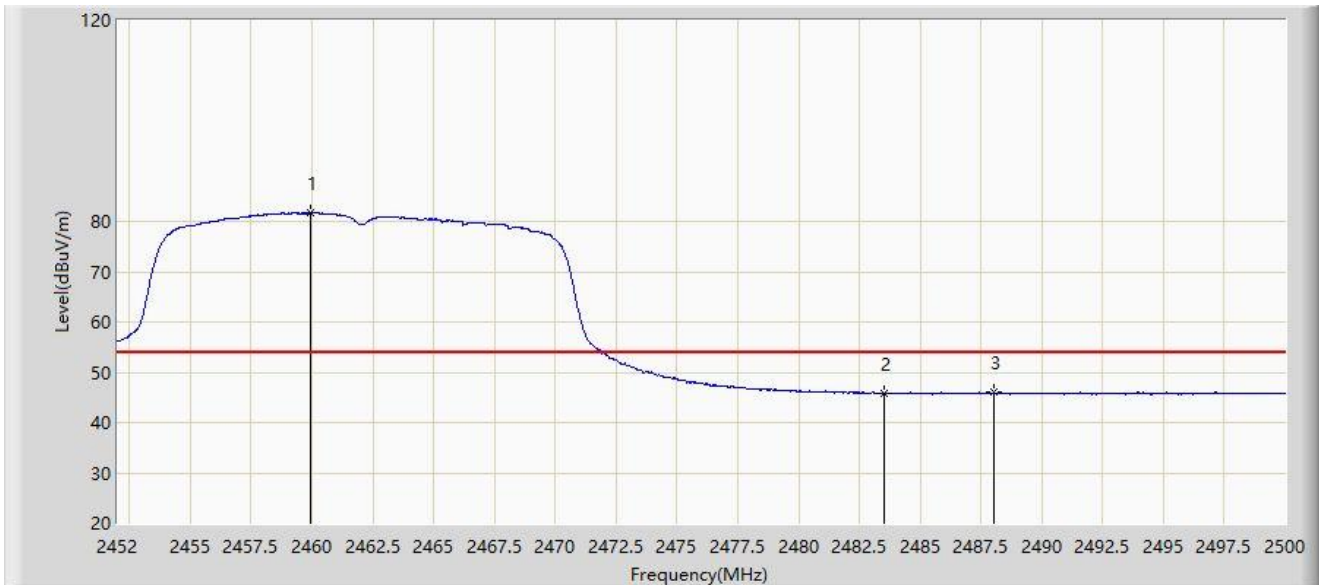
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2459.512	91.630	59.607	N/A	N/A	32.023	PK
2		2483.500	58.097	26.007	-15.903	74.000	32.090	PK
3	*	2484.088	59.038	26.948	-14.962	74.000	32.090	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 0	



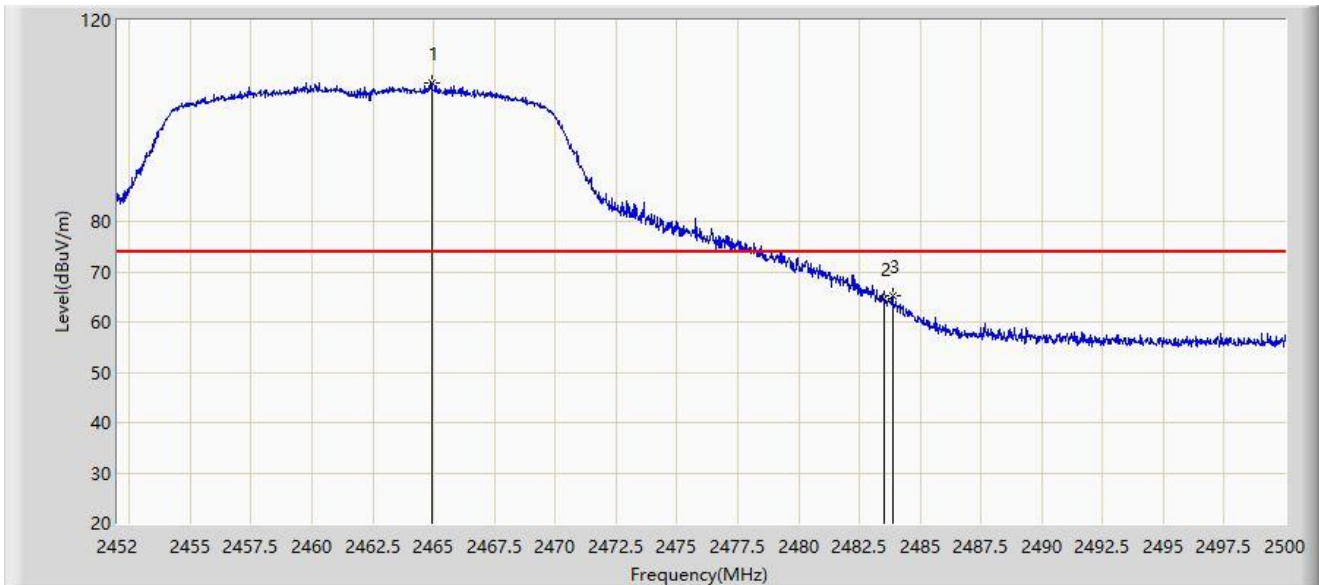
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2459.968	81.706	49.680	N/A	N/A	32.027	AV
2		2483.500	45.887	13.797	-8.113	54.000	32.090	AV
3	*	2488.024	45.963	13.867	-8.037	54.000	32.095	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 1	



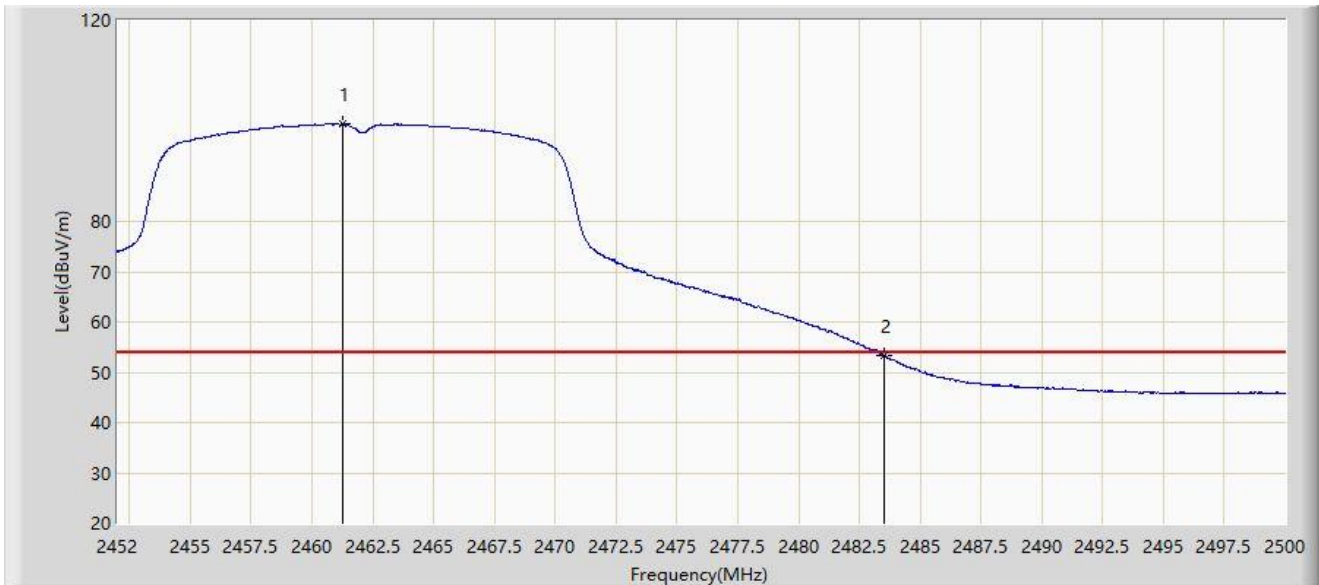
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2464.912	107.580	75.532	N/A	N/A	32.048	PK
2		2483.500	64.717	32.627	-9.283	74.000	32.090	PK
3	*	2483.872	65.095	33.005	-8.905	74.000	32.090	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 1	



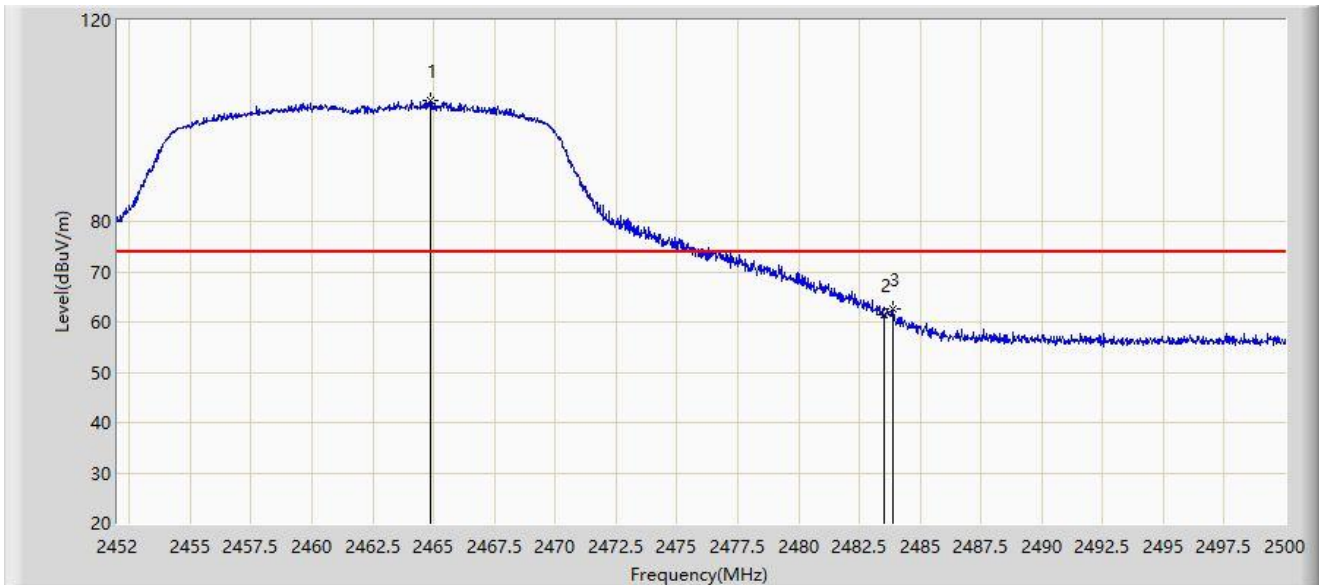
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2461.264	99.350	67.314	N/A	N/A	32.035	AV
2	*	2483.500	53.374	21.284	-0.626	54.000	32.090	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 1	



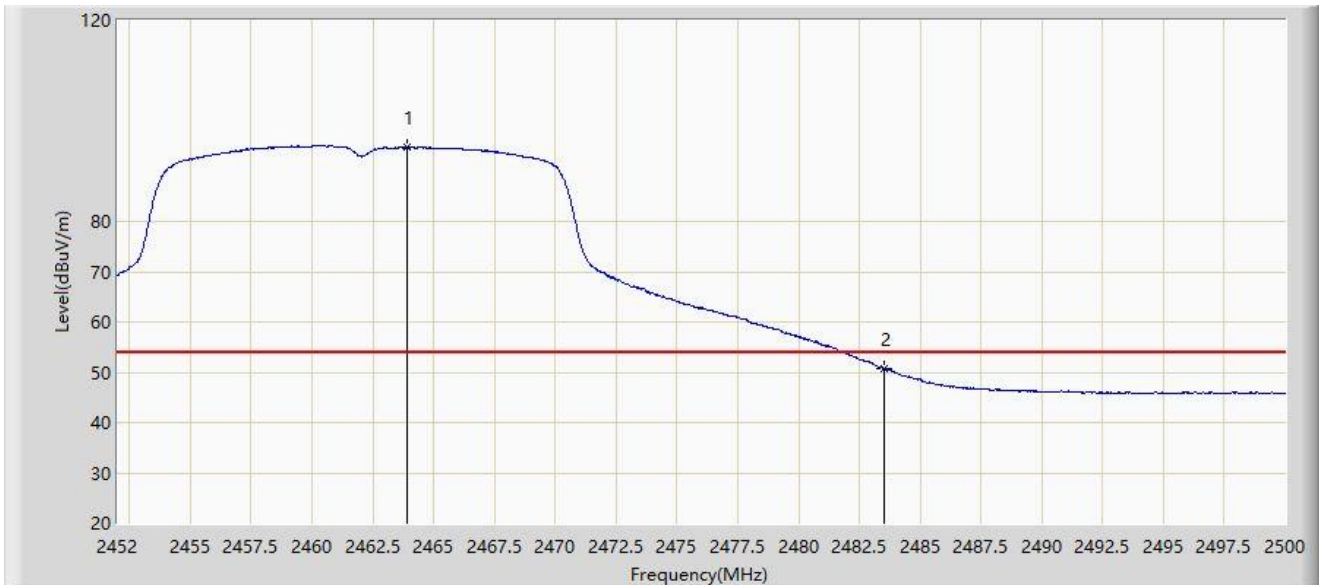
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2464.864	104.045	71.997	N/A	N/A	32.049	PK
2		2483.500	61.417	29.327	-12.583	74.000	32.090	PK
3	*	2483.872	62.528	30.438	-11.472	74.000	32.090	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2462MHz with Ant 1	



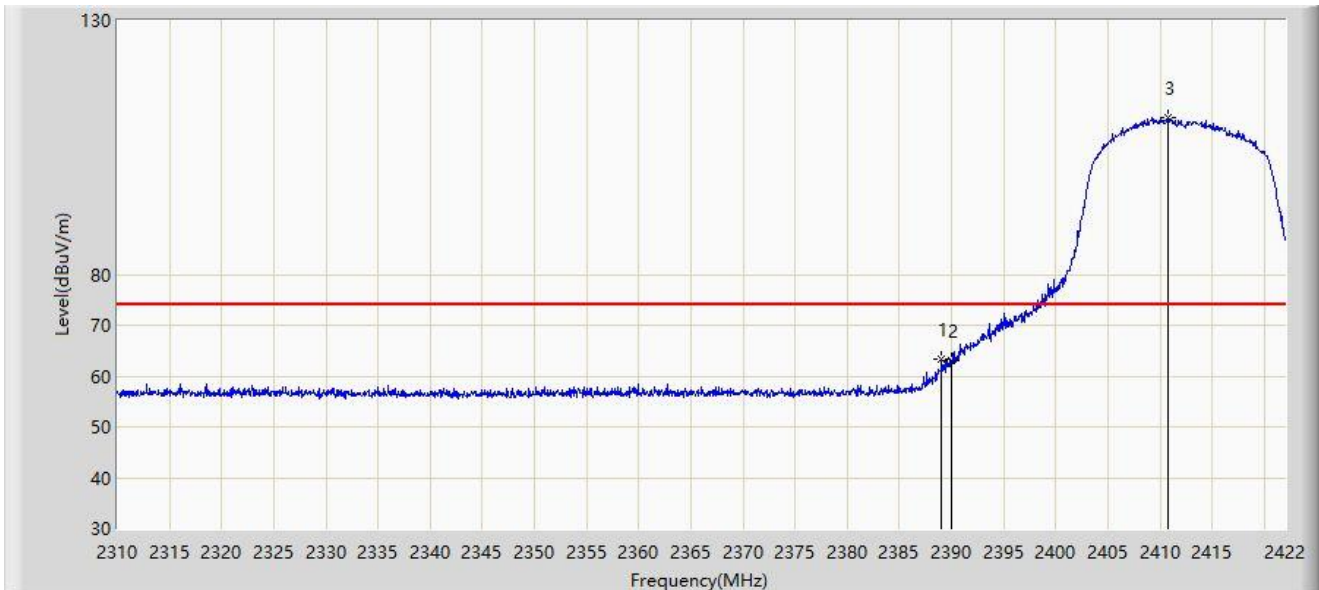
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2463.928	94.701	62.655	N/A	N/A	32.046	AV
2	*	2483.500	50.859	18.769	-3.141	54.000	32.090	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz with Ant 0+1	



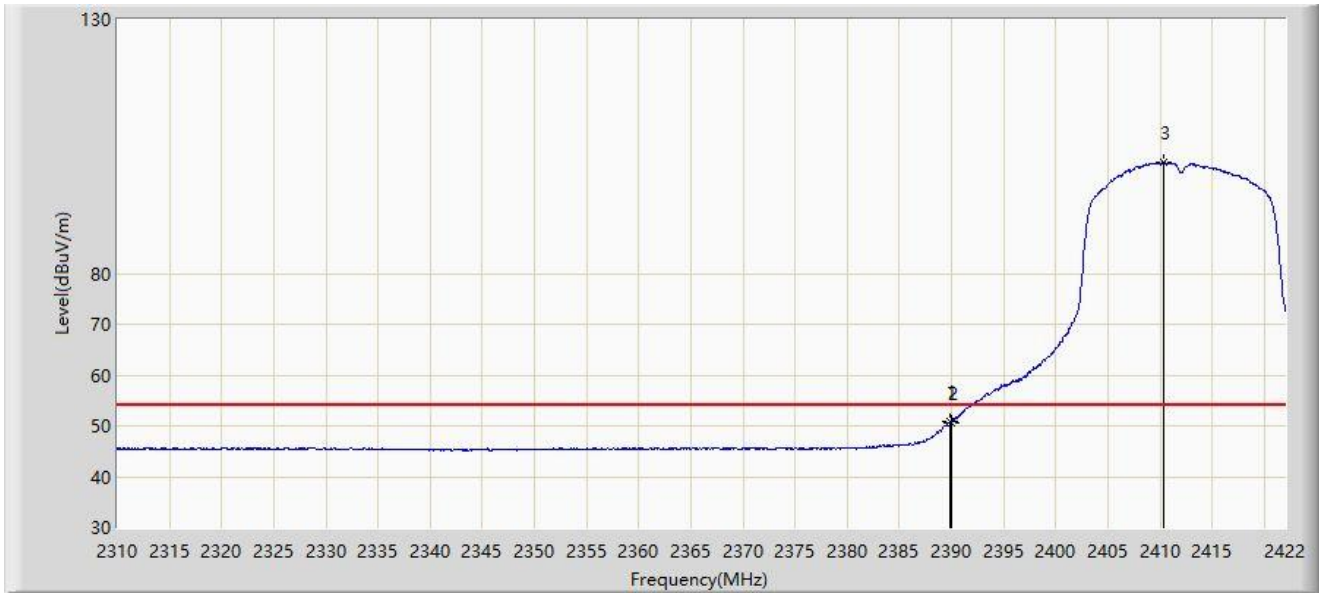
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2389.072	63.344	30.956	-10.656	74.000	32.388	PK
2		2390.000	63.019	30.636	-10.981	74.000	32.382	PK
3		2410.744	110.852	78.519	N/A	N/A	32.334	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz with Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2389.912	50.747	18.364	-3.253	54.000	32.383	AV
2		2390.000	50.720	18.337	-3.280	54.000	32.382	AV
3		2410.352	101.904	69.570	N/A	N/A	32.334	AV

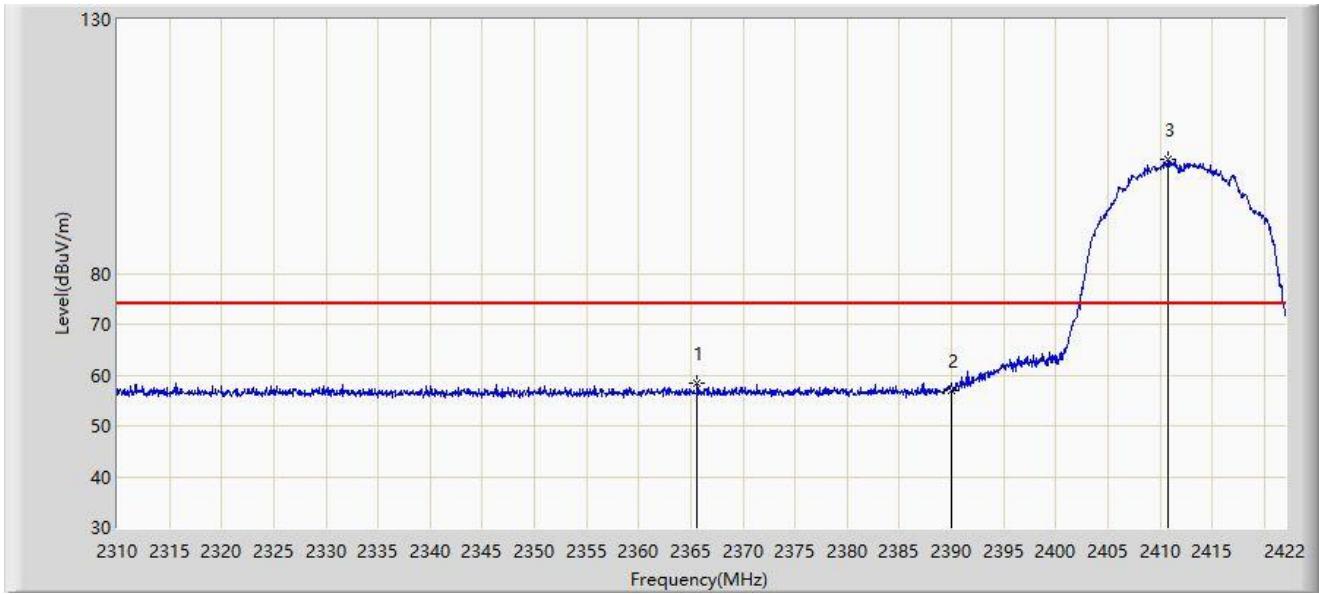
Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz with Ant 0+1	



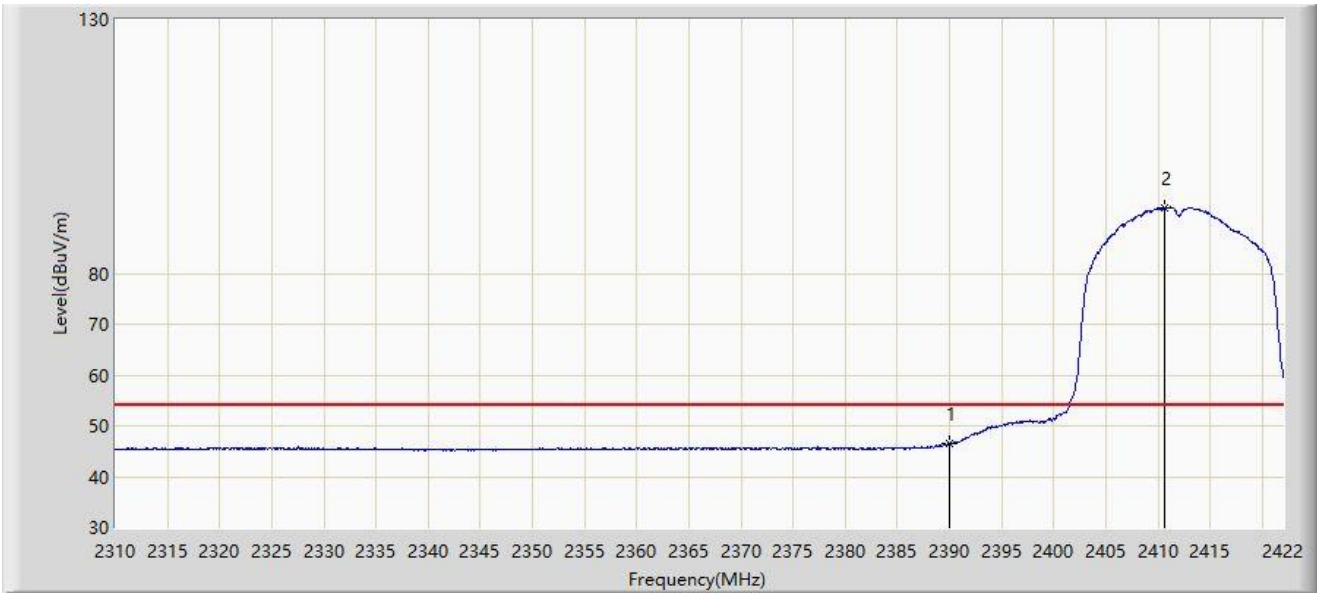
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2365.608	58.502	26.036	-15.498	74.000	32.466	PK
2		2390.000	56.878	24.495	-17.122	74.000	32.382	PK
3		2410.744	102.327	69.994	N/A	N/A	32.334	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2412MHz with Ant 0+1	



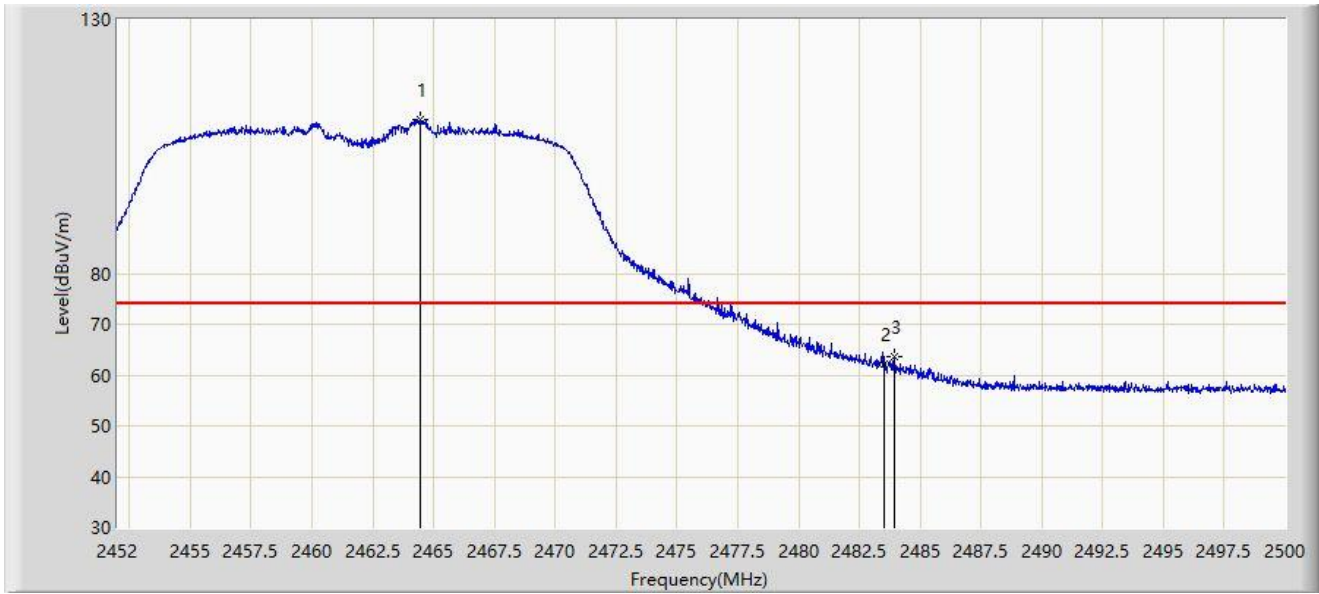
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2390.000	46.566	14.183	-7.434	54.000	32.382	AV
2		2410.576	92.914	60.580	N/A	N/A	32.334	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz with Ant 0+1	



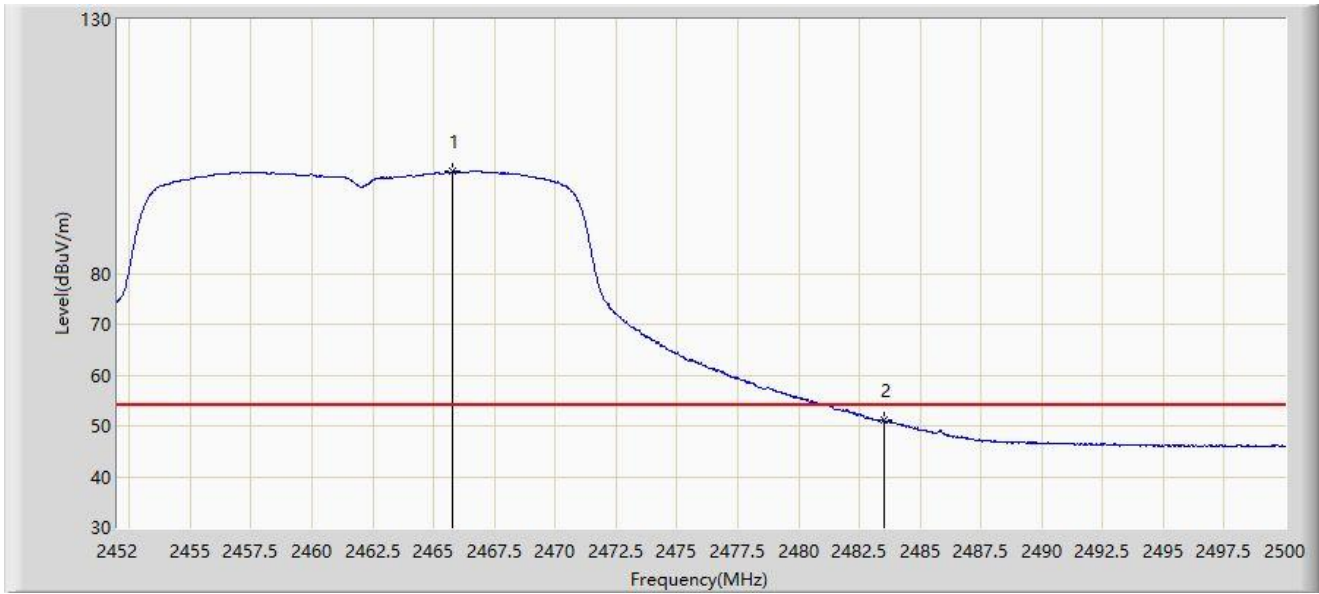
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2464.456	110.298	78.003	N/A	N/A	32.295	PK
2		2483.500	62.223	30.000	-11.777	74.000	32.222	PK
3	*	2483.920	63.707	31.483	-10.293	74.000	32.224	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz with Ant 0+1	



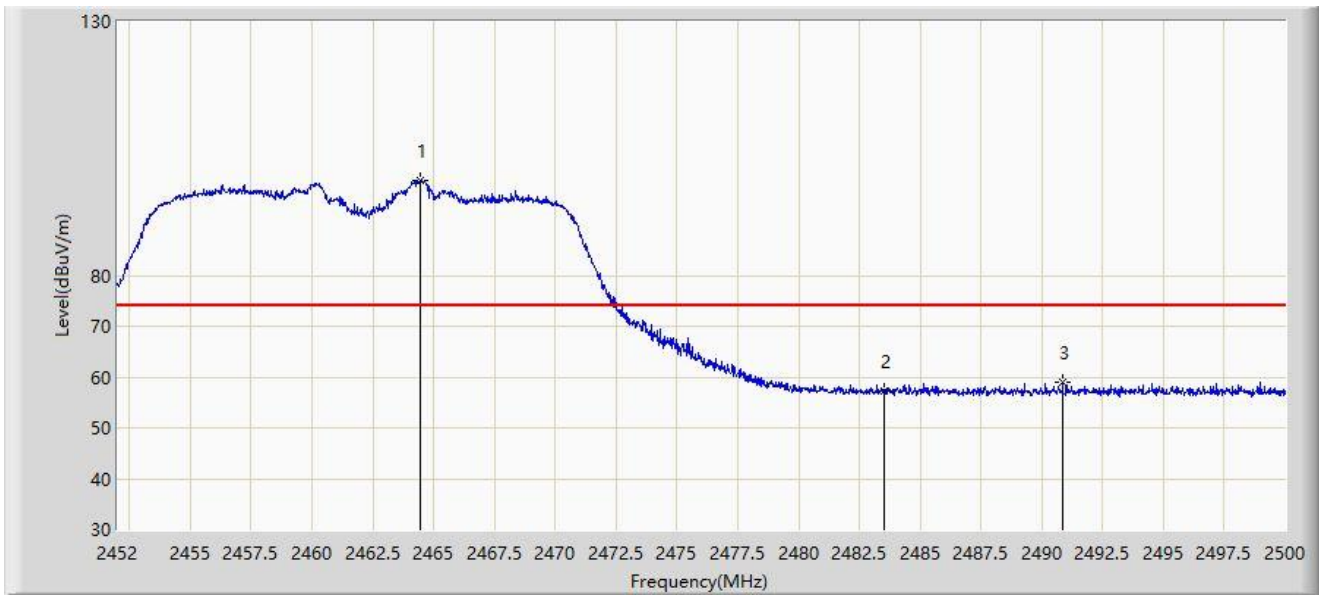
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2465.800	100.063	67.776	N/A	N/A	32.287	AV
2	*	2483.500	51.083	18.860	-2.917	54.000	32.222	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz with Ant 0+1	



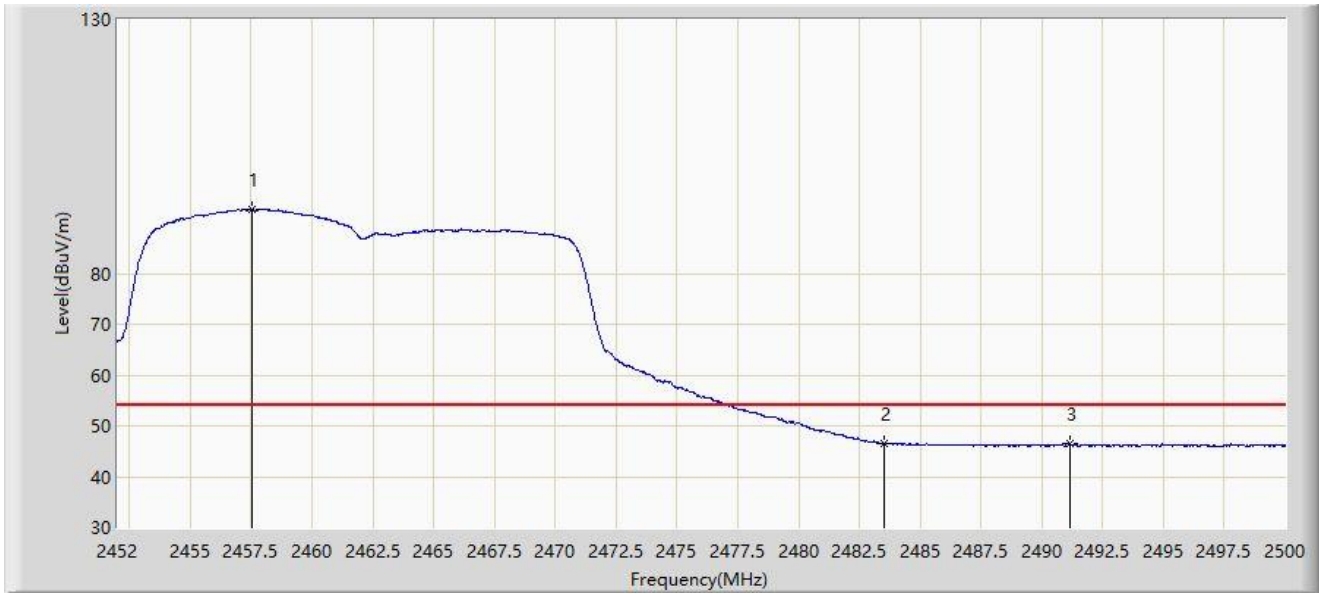
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2464.456	98.809	66.514	N/A	N/A	32.295	PK
2		2483.500	57.267	25.044	-16.733	74.000	32.222	PK
3	*	2490.856	59.038	26.792	-14.962	74.000	32.246	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at 2462MHz with Ant 0+1	



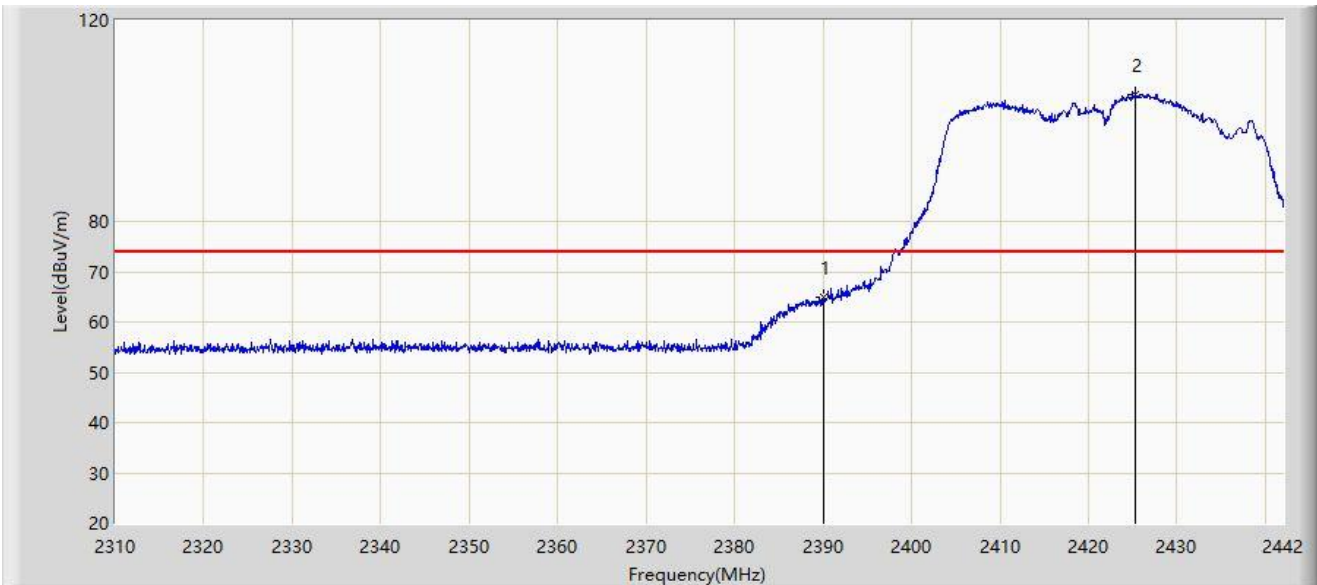
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2457.520	92.597	60.276	N/A	N/A	32.321	AV
2		2483.500	46.544	14.321	-7.456	54.000	32.222	AV
3	*	2491.144	46.630	14.383	-7.370	54.000	32.247	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz with Ant 0+1	



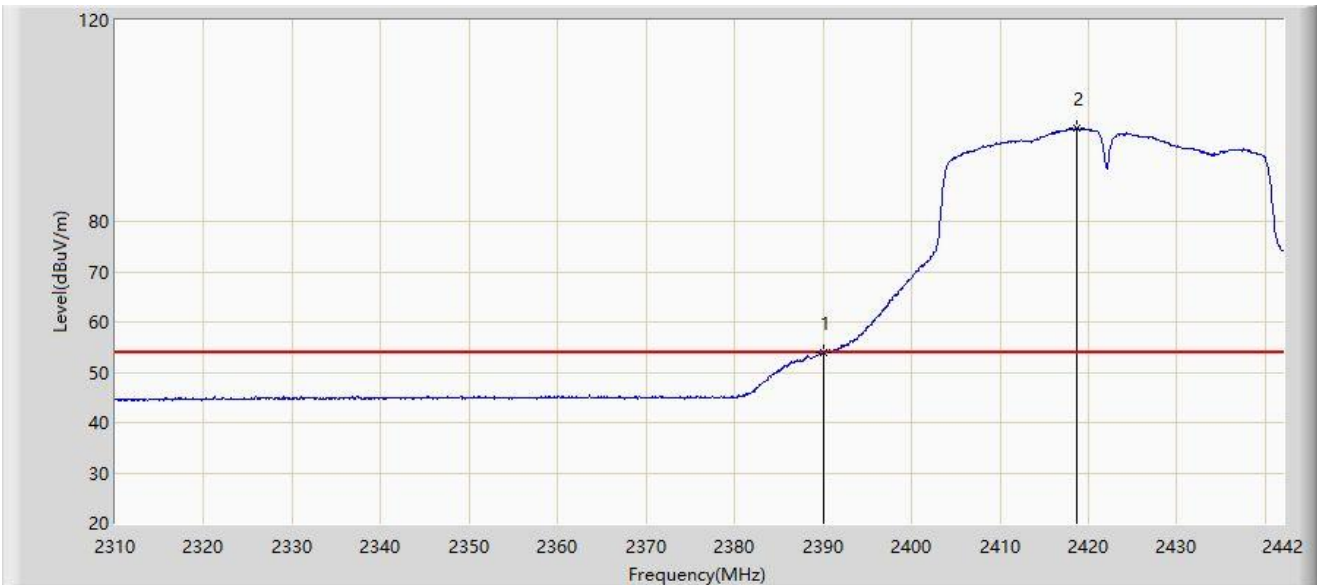
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2390.000	64.848	33.133	-9.152	74.000	31.715	PK
2		2425.302	105.339	73.502	N/A	N/A	31.837	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz with Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2390.000	53.782	22.067	-0.218	54.000	31.715	AV
2		2418.702	98.620	66.799	N/A	N/A	31.822	AV

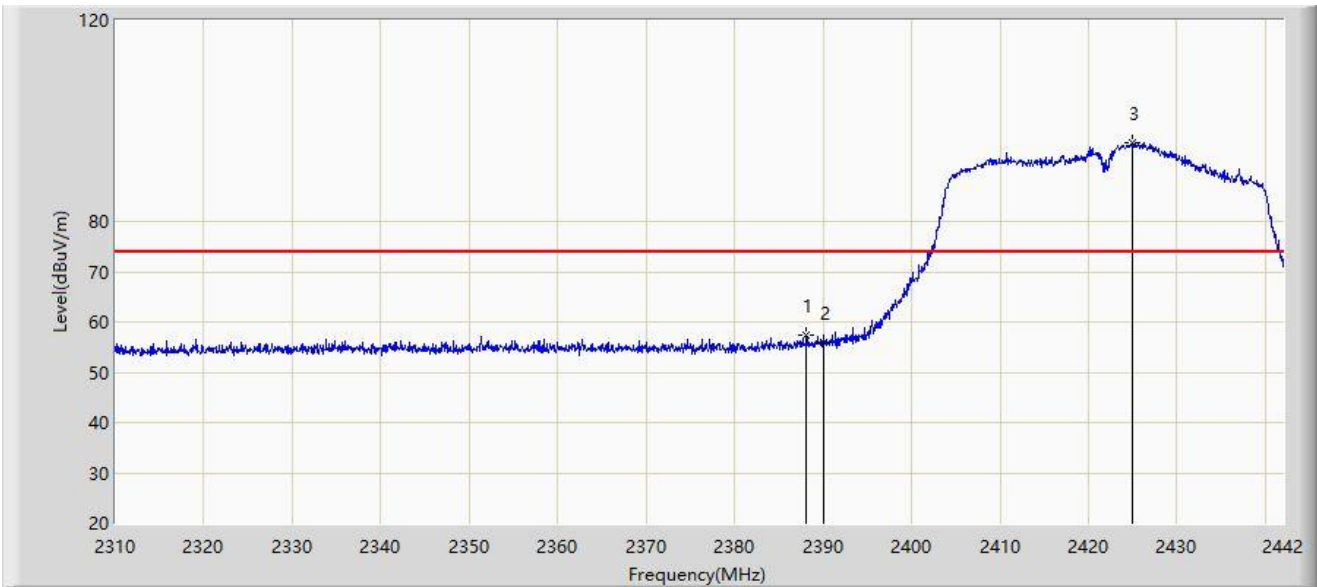
Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).



Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz with Ant 0+1	



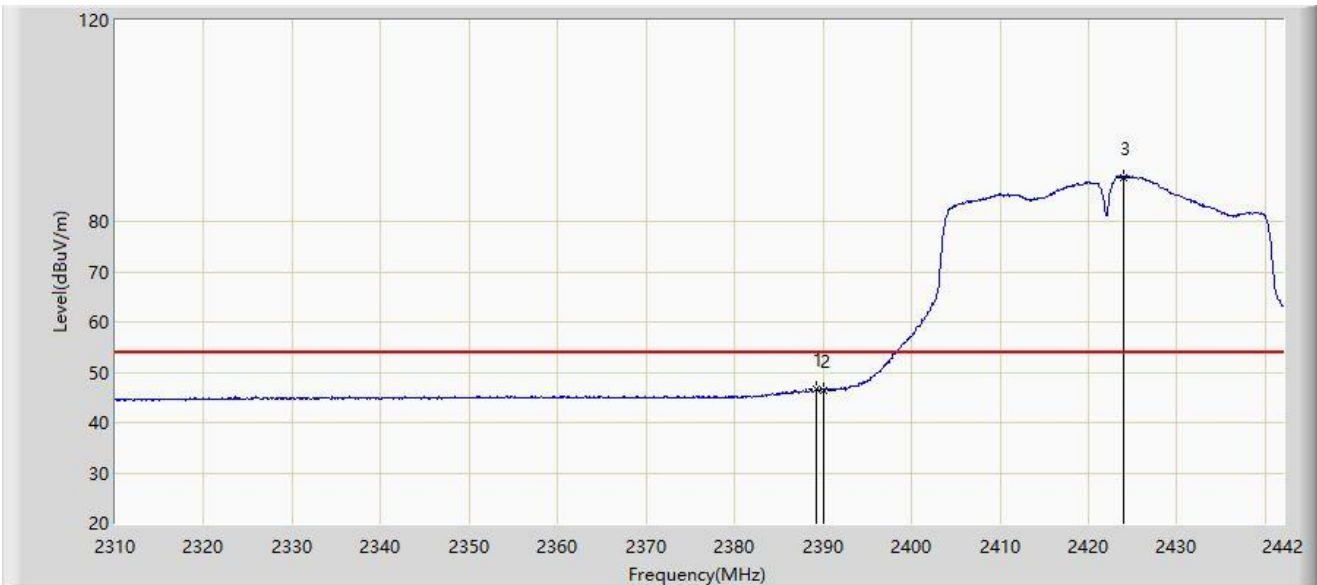
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2388.078	57.523	25.843	-16.477	74.000	31.680	PK
2		2390.000	55.823	24.108	-18.177	74.000	31.715	PK
3		2425.038	95.623	63.787	N/A	N/A	31.837	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC1	Test Date: 2023-08-15
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2422MHz with Ant 0+1	



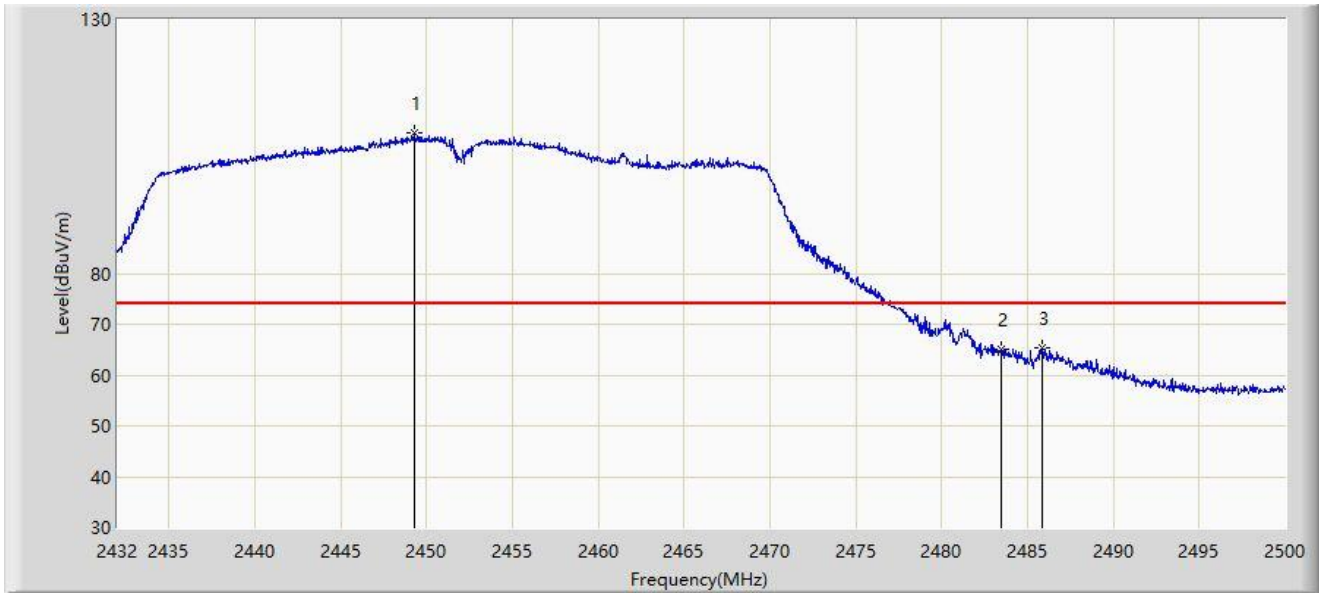
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1	*	2389.266	46.802	15.100	-7.198	54.000	31.702	AV
2		2390.000	46.328	14.613	-7.672	54.000	31.715	AV
3		2423.916	88.791	56.957	N/A	N/A	31.834	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz with Ant 0+1	



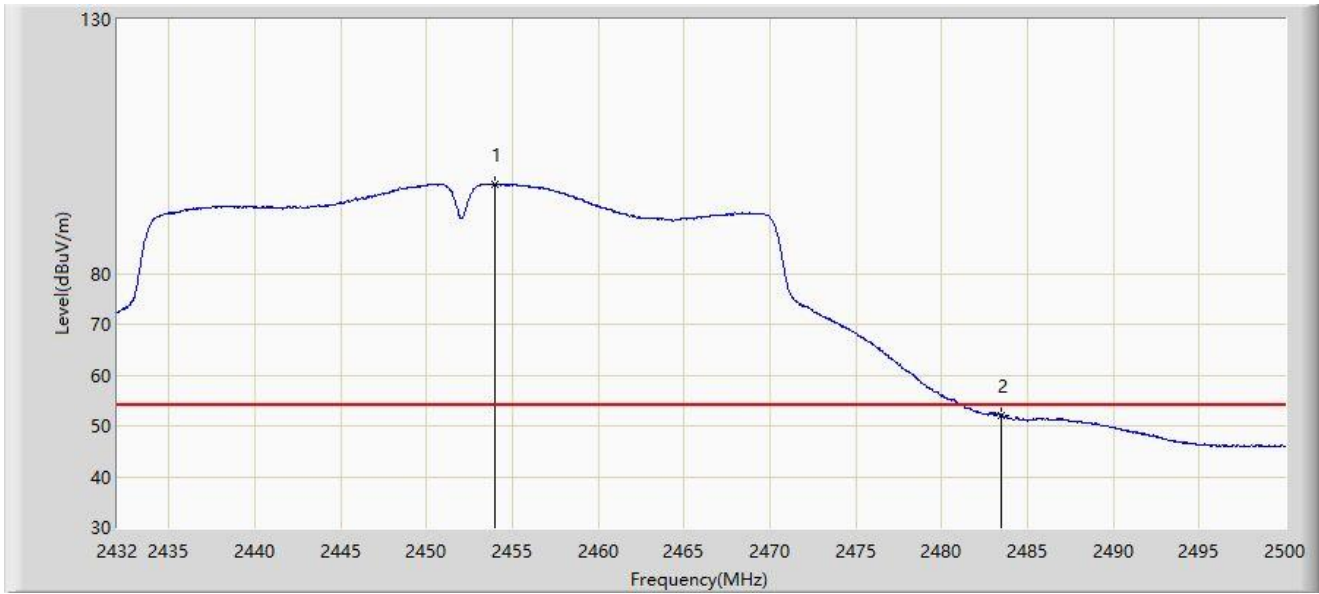
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2449.306	107.724	75.384	N/A	N/A	32.340	PK
2		2483.500	65.125	32.902	-8.875	74.000	32.222	PK
3	*	2485.822	65.350	33.120	-8.650	74.000	32.230	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz with Ant 0+1	



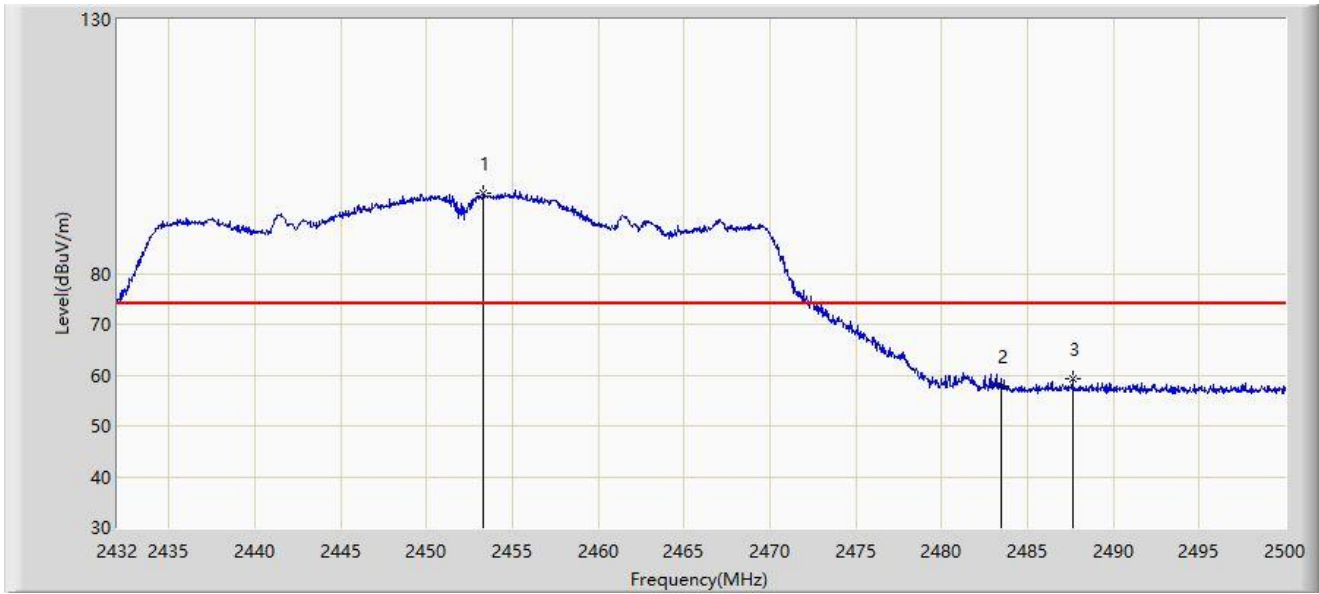
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2453.964	97.640	65.311	N/A	N/A	32.329	AV
2	*	2483.500	52.166	19.943	-1.834	54.000	32.222	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz with Ant 0+1	



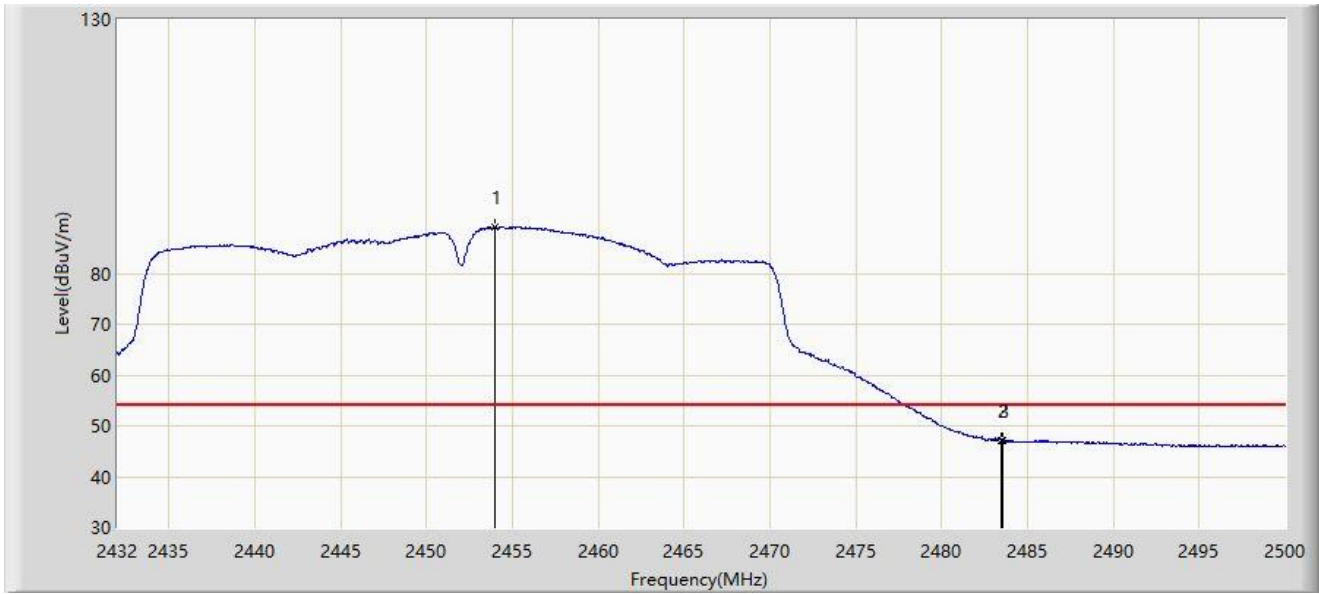
No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2453.318	95.726	63.396	N/A	N/A	32.331	PK
2		2483.500	57.788	25.565	-16.212	74.000	32.222	PK
3	*	2487.624	59.214	26.978	-14.786	74.000	32.235	PK

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-08-06
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at 2452MHz with Ant 0+1	



No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		2453.964	89.211	56.882	N/A	N/A	32.329	AV
2		2483.500	47.039	14.816	-6.961	54.000	32.222	AV
3	*	2483.578	47.195	14.972	-6.805	54.000	32.223	AV

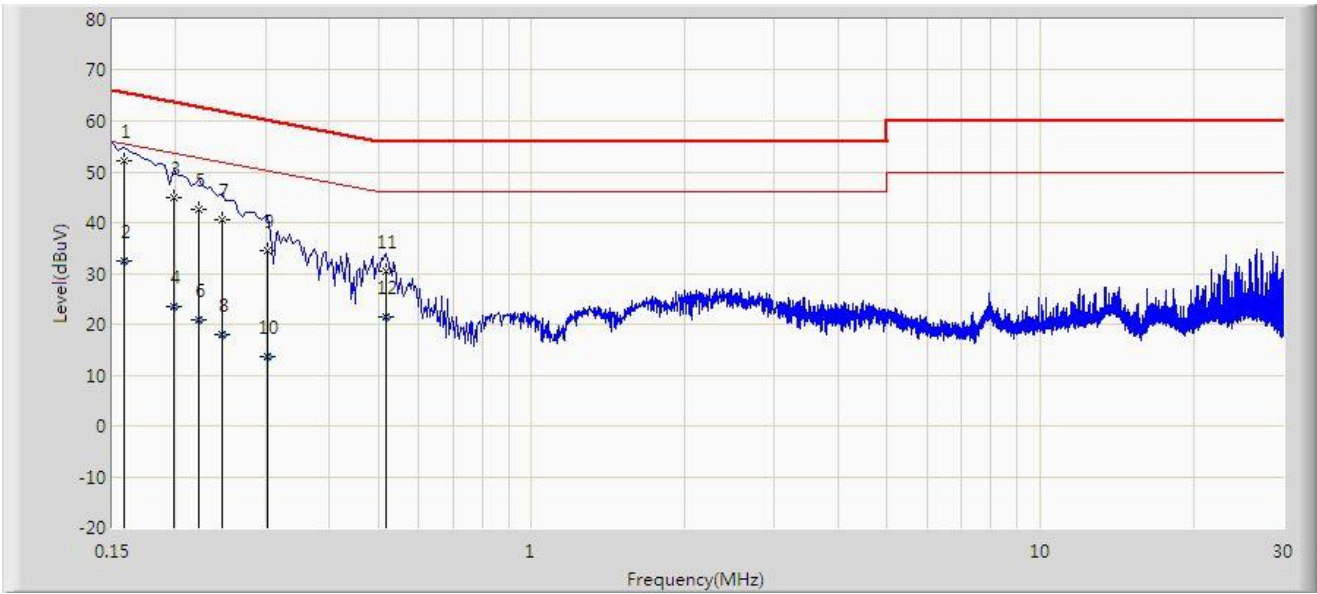
Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

### A.8 AC Conducted Emissions Test Result

Site: SIP-SR2	Test Date: 2023-08-08
Limit: FCC_Part15.207_CE_AC Power	Engineer: Mark Long
Probe: SIP-SR2-ENV216_101684_E	Polarity: Line
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
<b>Test Mode:</b> Transmit by 802.11b at 2437MHz	



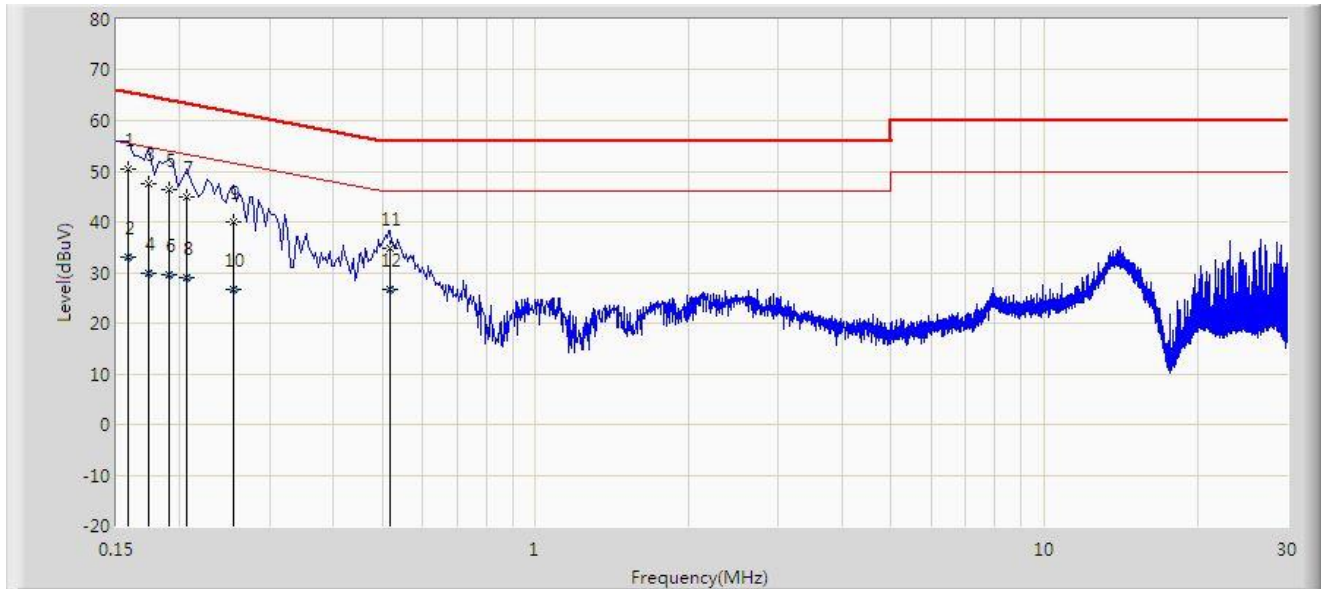
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1	*	0.158	52.145	42.494	-13.424	65.568	9.650	QP
2		0.158	32.478	22.828	-23.091	55.568	9.650	AV
3		0.198	44.879	35.198	-18.815	63.694	9.681	QP
4		0.198	23.370	13.689	-30.324	53.694	9.681	AV
5		0.222	42.653	32.945	-20.091	62.744	9.708	QP
6		0.222	20.772	11.064	-31.972	52.744	9.708	AV
7		0.246	40.556	30.836	-21.335	61.891	9.720	QP
8		0.246	18.092	8.372	-33.799	51.891	9.720	AV
9		0.302	34.618	24.895	-25.569	60.188	9.723	QP
10		0.302	13.544	3.820	-36.644	50.188	9.723	AV
11		0.518	30.544	20.804	-25.456	56.000	9.740	QP
12		0.518	21.533	11.794	-24.467	46.000	9.740	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SIP-SR2	Test Date: 2023-08-08
Limit: FCC_Part15.207_CE_AC Power	Engineer: Mark Long
Probe: SIP-SR2-ENV216_101684_E	Polarity: Neutral
EUT: Industrial Cellular VPN Router	Power: AC 120V/60Hz
<b>Test Mode:</b> Transmit by 802.11b at 2437MHz	



No	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V)	Factor (dB)	Type
1	*	0.158	50.345	40.695	-15.223	65.568	9.650	QP
2		0.158	32.904	23.254	-22.664	55.568	9.650	AV
3		0.174	47.644	37.994	-17.124	64.767	9.650	QP
4		0.174	29.837	20.187	-24.930	54.767	9.650	AV
5		0.190	46.263	36.599	-17.774	64.037	9.664	QP
6		0.190	29.541	19.878	-24.495	54.037	9.664	AV
7		0.206	44.927	35.242	-18.438	63.365	9.685	QP
8		0.206	29.011	19.326	-24.354	53.365	9.685	AV
9		0.254	39.862	30.152	-21.764	61.625	9.710	QP
10		0.254	26.782	17.072	-24.844	51.625	9.710	AV
11		0.518	34.751	25.021	-21.249	56.000	9.730	QP
12		0.518	26.584	16.854	-19.416	46.000	9.730	AV

Note 1: " \* ", means this data is the worst emission level.

Note 2: Measure Level (dB $\mu$ V) = Reading Level (dB $\mu$ V) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).



## **Appendix B – Test Setup Photograph**

Refer to “2307RSU053-UT” file.

## Appendix C – EUT Photograph

Refer to “2307RSU053-UE” file.

\_\_\_\_\_ The End \_\_\_\_\_