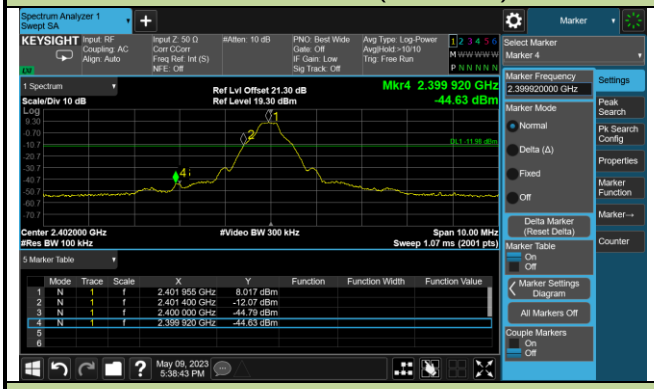
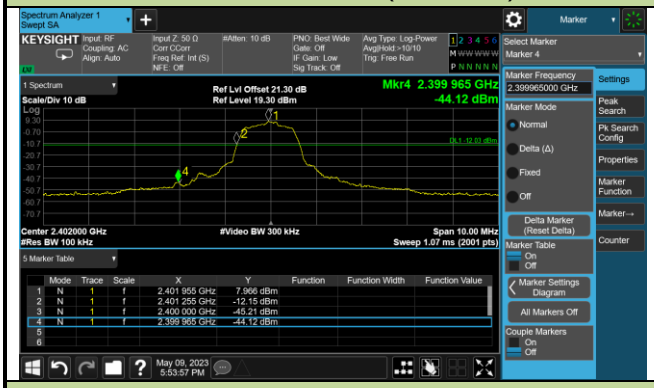
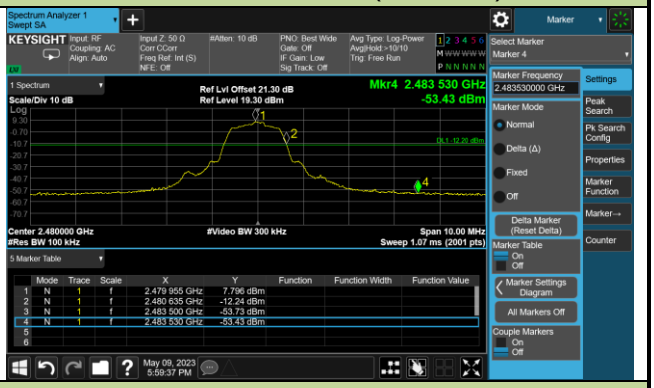
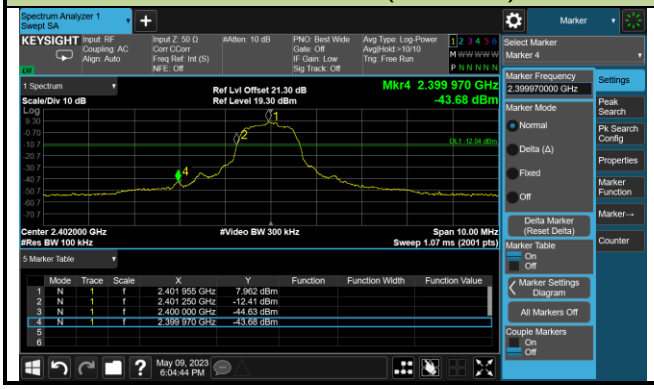
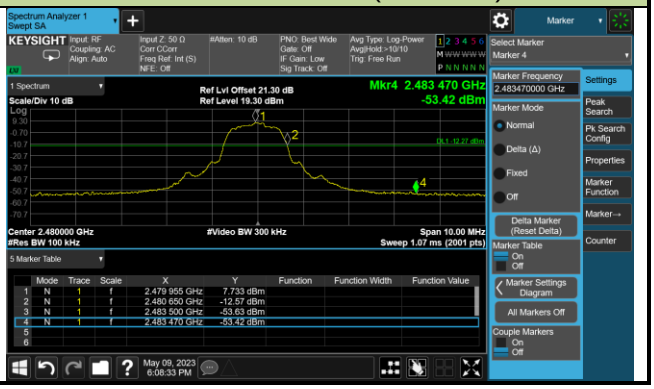
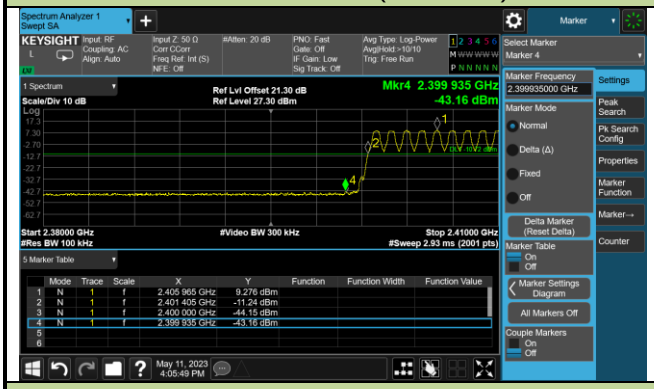
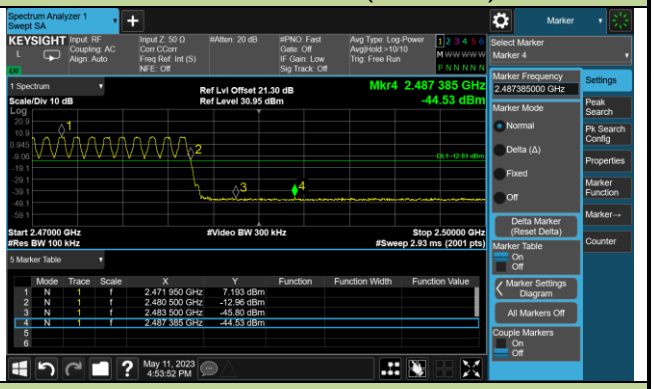
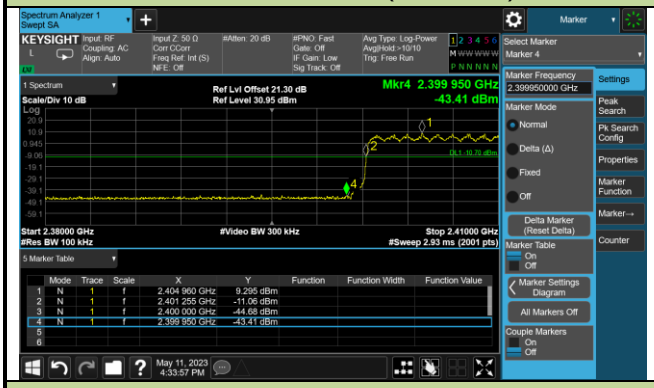
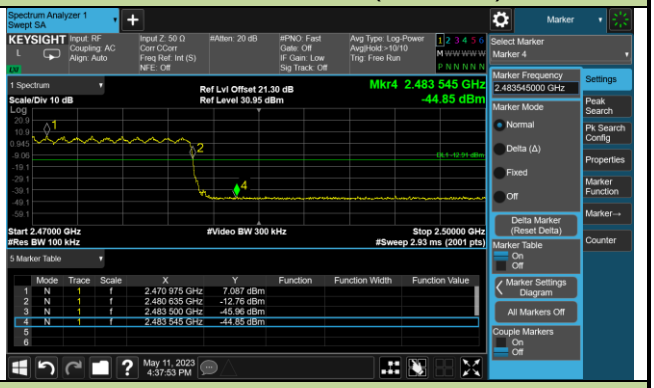
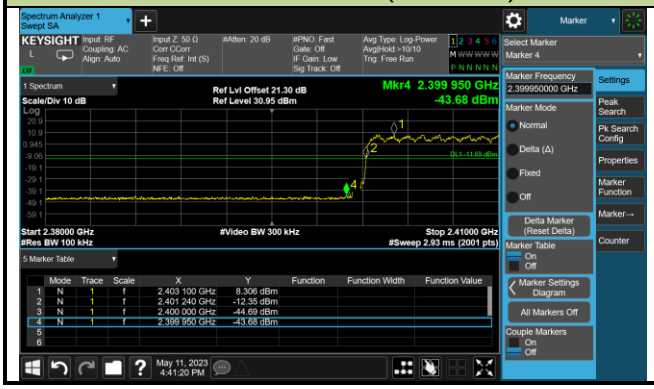
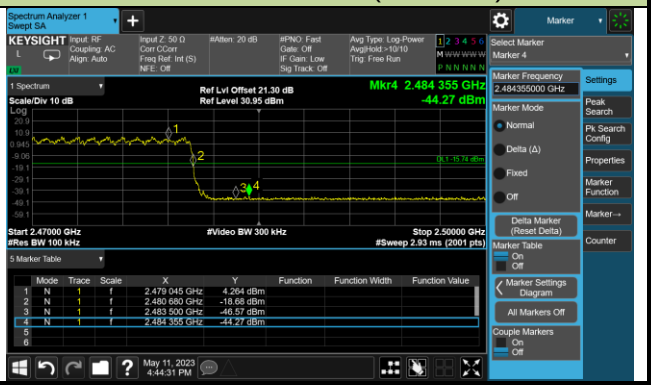
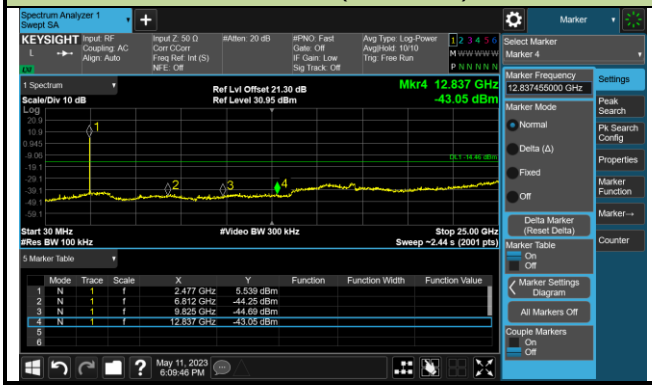
Band-edge Compliance	
DH5 - Channel 00 (2402MHz)	DH5 - Channel 78 (2480MHz)
	
2DH5 - Channel 00 (2402MHz)	2DH5 - Channel 78 (2480MHz)
	
3DH5 - Channel 00 (2402MHz)	3DH5 - Channel 78 (2480MHz)
	

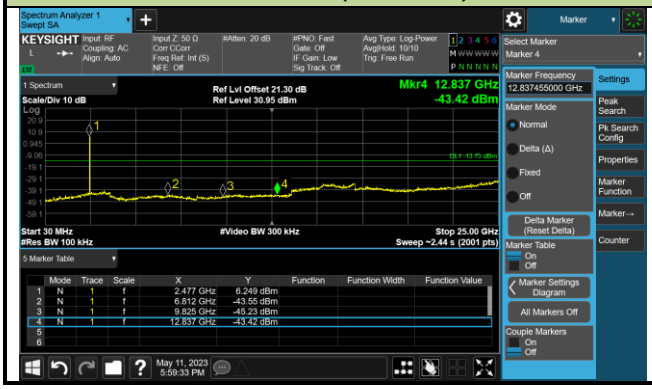
Operation Frequency Range of 20dB Bandwidth within Hopping Mode	
DH5 - Channel 00 (2402MHz)	DH5 - Channel 78 (2480MHz)
	
2DH5 - Channel 00 (2402MHz)	2DH5 - Channel 78 (2480MHz)
	
3DH5 - Channel 00 (2402MHz)	3DH5 - Channel 78 (2480MHz)
	

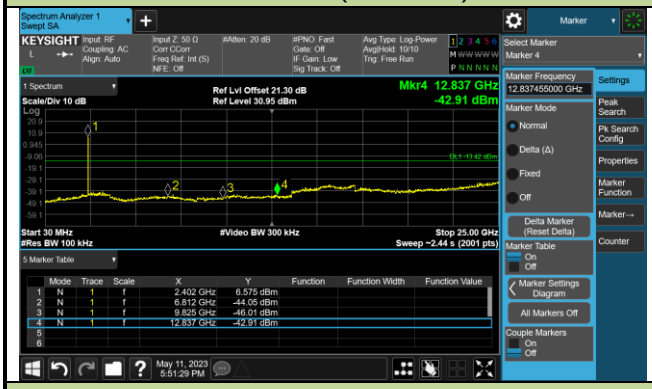
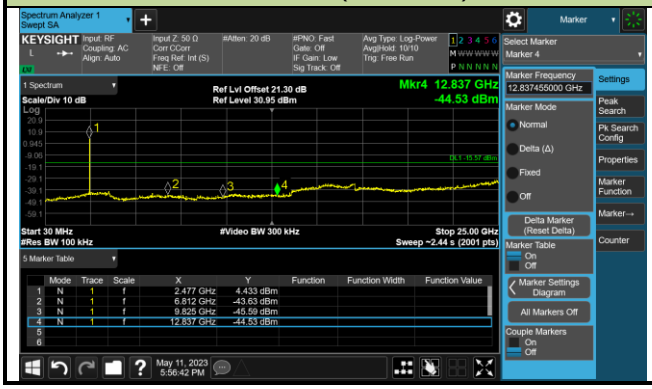
A.8 Conducted Spurious Emissions Test Result

Test Site	SIP-TR1	Test Engineer	Nandy Zhang
Test Date	2023-05-11		

Test Mode	Channel No.	Frequency (MHz)	Limit (MHz)	Result
DH5	00	2402	20dBc	Pass
DH5	39	2441	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	39	2441	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	39	2441	20dBc	Pass
3DH5	78	2480	20dBc	Pass

DH5 Conducted Spurious Emissions	
Channel 00 (2402MHz)	Channel 39 (2441MHz)
	
Channel 78 (2480MHz)	
	

2DH5 Conducted Spurious Emissions	
Channel 00 (2402MHz)	Channel 39 (2441MHz)
	
Channel 78 (2480MHz)	
	

3DH5 Conducted Spurious Emissions	
Channel 00 (2402MHz)	Channel 39 (2441MHz)
	
Channel 78 (2480MHz)	
	

A.9 Radiated Spurious Emission Test Result

Test Site	SIP-AC3 & SIP-AC2	Test Engineer	Mero Zhou
Test Date	2023-05-10	Test Mode	DH5
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	4808.0	59.5	-7.8	51.7	74.0	-22.3	Peak	Horizontal
	4808.0	60.4	-7.8	52.6	54.0	-1.4	Average	Horizontal
	8165.5	48.7	-3.2	45.5	74.0	-28.5	Peak	Horizontal
	15892.0	46.7	3.6	50.3	74.0	-23.7	Peak	Horizontal
	4808.0	58.9	-7.8	51.1	74.0	-22.9	Peak	Vertical
	4808.0	58.1	-7.8	50.3	54.0	-3.7	Average	Vertical
	8412.0	48.6	-2.9	45.7	74.0	-28.3	Peak	Vertical
	11038.5	48.7	-3.3	45.4	74.0	-28.6	Peak	Vertical
39	4884.5	59.4	-8.6	50.8	74.0	-23.2	Peak	Horizontal
	4884.5	59.8	-8.6	51.2	54.0	-2.8	Average	Horizontal
	8063.5	49.6	-3.3	46.3	74.0	-27.7	Peak	Horizontal
	11055.5	48.3	-3.3	45.0	74.0	-29.0	Peak	Horizontal
	4884.5	61.7	-8.6	53.1	74.0	-20.9	Peak	Vertical
	4884.5	59.5	-8.6	50.9	54.0	-3.1	Average	Vertical
	8114.5	48.6	-3.1	45.5	74.0	-28.5	Peak	Vertical
	10860.0	48.4	-3.2	45.2	74.0	-28.8	Peak	Vertical
78	4961.0	58.6	-8.3	50.3	74.0	-23.7	Peak	Horizontal
	4961.0	57.0	-8.3	48.7	54.0	-5.3	Average	Horizontal
	8114.5	49.0	-3.1	45.9	74.0	-28.1	Peak	Horizontal
	12322.0	48.7	-3.0	45.7	74.0	-28.3	Peak	Horizontal
	4961.0	58.8	-8.3	50.5	74.0	-23.5	Peak	Vertical
	4961.0	58.2	-8.3	49.9	54.0	-4.1	Average	Vertical
	8055.0	49.0	-3.2	45.8	74.0	-28.2	Peak	Vertical
	10673.0	47.7	-2.5	45.2	74.0	-28.8	Peak	Vertical

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

Factor ((dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC3 & SIP-AC2	Test Engineer	Mero Zhou
Test Date	2023-05-10	Test Mode	2DH5
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	4799.5	60.3	-6.0	54.3	74.0	-19.7	Peak	Horizontal
	4799.5	55.4	-6.0	49.4	54.0	-4.6	Average	Horizontal
	11098.0	41.7	7.4	49.1	74.0	-24.9	Peak	Horizontal
	17847.0	38.3	19.4	57.7	74.0	-16.3	Peak	Horizontal
	17847.0	26.6	19.4	46.0	54.0	-8.0	Average	Horizontal
	4799.5	59.6	-6.0	53.6	74.0	-20.4	Peak	Vertical
	4799.5	56.3	-6.0	50.3	54.0	-3.7	Average	Vertical
	11353.0	41.6	7.3	48.9	74.0	-25.1	Peak	Vertical
	17974.5	38.5	20.0	58.5	74.0	-15.5	Peak	Vertical
	17974.5	26.7	20.0	46.7	54.0	-7.3	Average	Vertical
39	4884.5	59.7	-6.0	53.7	74.0	-20.3	Peak	Horizontal
	4884.5	55.3	-6.0	49.3	54.0	-4.7	Average	Horizontal
	12118.0	41.3	7.7	49.0	74.0	-25.0	Peak	Horizontal
	17932.0	38.7	19.9	58.6	74.0	-15.4	Peak	Horizontal
	17932.0	26.6	19.9	46.5	54.0	-7.5	Average	Horizontal
	4884.5	61.4	-6.0	55.4	74.0	-18.6	Peak	Vertical
	4884.5	57.0	-6.0	51.0	54.0	-3.0	Average	Vertical
	11565.5	41.3	7.8	49.1	74.0	-24.9	Peak	Vertical
	18000.0	37.8	20.4	58.2	74.0	-15.8	Peak	Vertical
	18000.0	26.5	20.4	46.9	54.0	-7.1	Average	Vertical

78	4961.0	59.4	-5.4	54.0	74.0	-20.0	Peak	Horizontal
	4961.0	54.6	-5.4	49.2	54.0	-4.8	Average	Horizontal
	11013.0	41.7	7.6	49.3	74.0	-24.7	Peak	Horizontal
	18000.0	38.2	20.4	58.6	74.0	-15.4	Peak	Horizontal
	18000.0	25.8	20.4	46.2	54.0	-7.8	Average	Horizontal
	4961.0	58.2	-5.4	52.8	74.0	-21.2	Peak	Vertical
	4961.0	54.6	-5.4	49.2	54.0	-4.8	Average	Vertical
	10894.0	41.3	7.6	48.9	74.0	-25.1	Peak	Vertical
	17889.5	38.6	19.7	58.3	74.0	-15.7	Peak	Vertical
	17889.5	26.1	19.7	45.8	54.0	-8.2	Average	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor ((dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

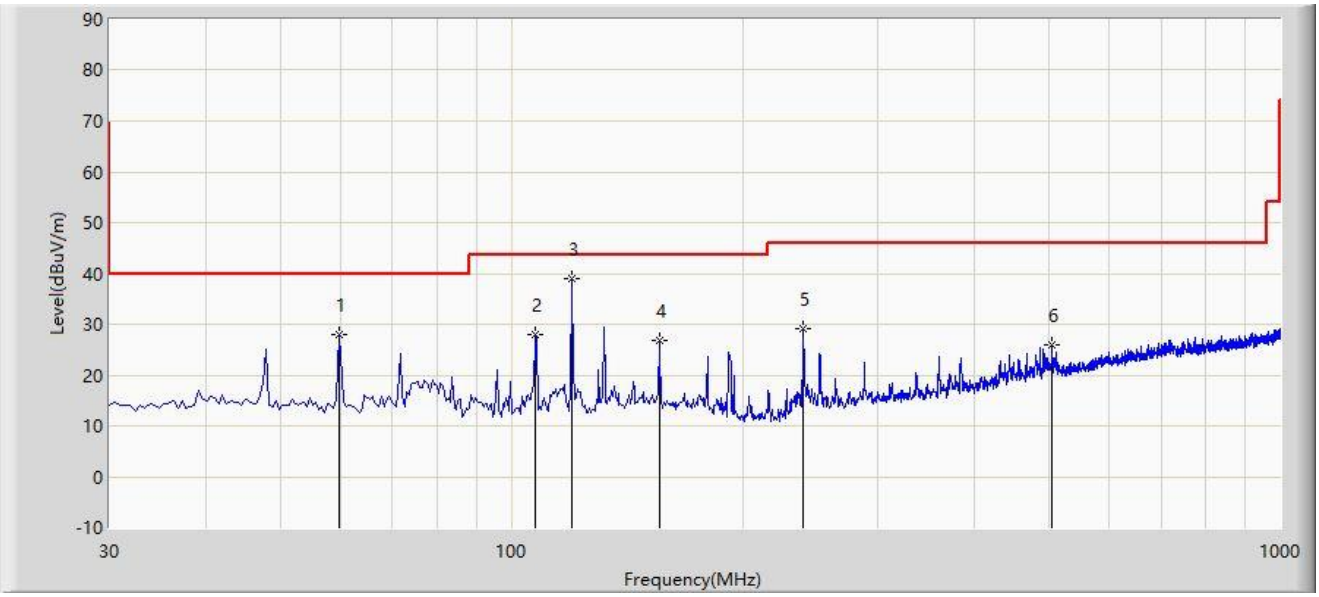
Test Site	SIP-AC3 & SIP-AC2	Test Engineer	Mero Zhou
Test Date	2023-05-10	Test Mode	3DH5
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	4808.0	62.1	-7.8	54.3	74.0	-19.7	Peak	Horizontal
	4808.0	57.7	-7.8	49.9	54.0	-4.1	Average	Horizontal
	8097.5	50.1	-3.0	47.1	74.0	-26.9	Peak	Horizontal
	11990.5	49.3	-3.5	45.8	74.0	-28.2	Peak	Horizontal
	4808.0	59.9	-7.8	52.1	74.0	-21.9	Peak	Vertical
	4808.0	57.1	-7.8	49.3	54.0	-4.7	Average	Vertical
	8259.0	48.6	-3.1	45.5	74.0	-28.5	Peak	Vertical
	11523.0	48.3	-3.4	44.9	74.0	-29.1	Peak	Vertical
39	4884.5	60.0	-6.0	54.0	74.0	-20.0	Peak	Horizontal
	4884.5	55.1	-6.0	49.1	54.0	-4.9	Average	Horizontal
	10979.0	41.7	7.4	49.1	74.0	-24.9	Peak	Horizontal
	18000.0	37.4	20.4	57.8	74.0	-16.2	Peak	Horizontal
	18000.0	26.7	20.4	47.1	54.0	-6.9	Average	Horizontal
	4884.5	61.1	-6.0	55.1	74.0	-18.9	Peak	Vertical
	4884.5	57.0	-6.0	51.0	54.0	-3.0	Average	Vertical
	11106.5	41.2	7.4	48.6	74.0	-25.4	Peak	Vertical
	18000.0	38.9	20.4	59.3	74.0	-14.7	Peak	Vertical
	18000.0	26.1	20.4	46.5	54.0	-7.5	Average	Vertical

78	4961.0	59.4	-5.4	54.0	74.0	-20.0	Peak	Horizontal
	4961.0	54.6	-5.4	49.2	54.0	-4.8	Average	Horizontal
	11055.5	41.5	7.4	48.9	74.0	-25.1	Peak	Horizontal
	17983.0	38.2	20.1	58.3	74.0	-15.7	Peak	Horizontal
	17983.0	26.1	20.1	46.2	54.0	-7.8	Average	Horizontal
	4961.0	59.3	-5.4	53.9	74.0	-20.1	Peak	Vertical
	4961.0	54.5	-5.4	49.1	54.0	-4.9	Average	Vertical
	10783.5	41.9	7.1	49.0	74.0	-25.0	Peak	Vertical
	18000.0	37.7	20.4	58.1	74.0	-15.9	Peak	Vertical
	18000.0	26.9	20.4	47.3	54.0	-6.7	Average	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor ((dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

The Result of Radiated Emission below 1GHz:

Site: SIP-AC3	Test Date: 2023-05-09
Limit: FCC_Part15.209_RSE(3m)	Engineer: Mero Zhou
Probe: VULB 9168_00997_25-2000MHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		59.585	27.884	10.756	-12.116	40.000	17.128	PK
2		107.600	27.837	13.270	-15.663	43.500	14.567	PK
3	*	119.725	39.090	23.430	-4.410	43.500	15.660	PK
4		155.615	26.794	8.740	-16.706	43.500	18.055	PK
5		240.005	29.251	12.841	-16.749	46.000	16.411	PK
6		504.815	25.980	2.706	-20.020	46.000	23.274	PK

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

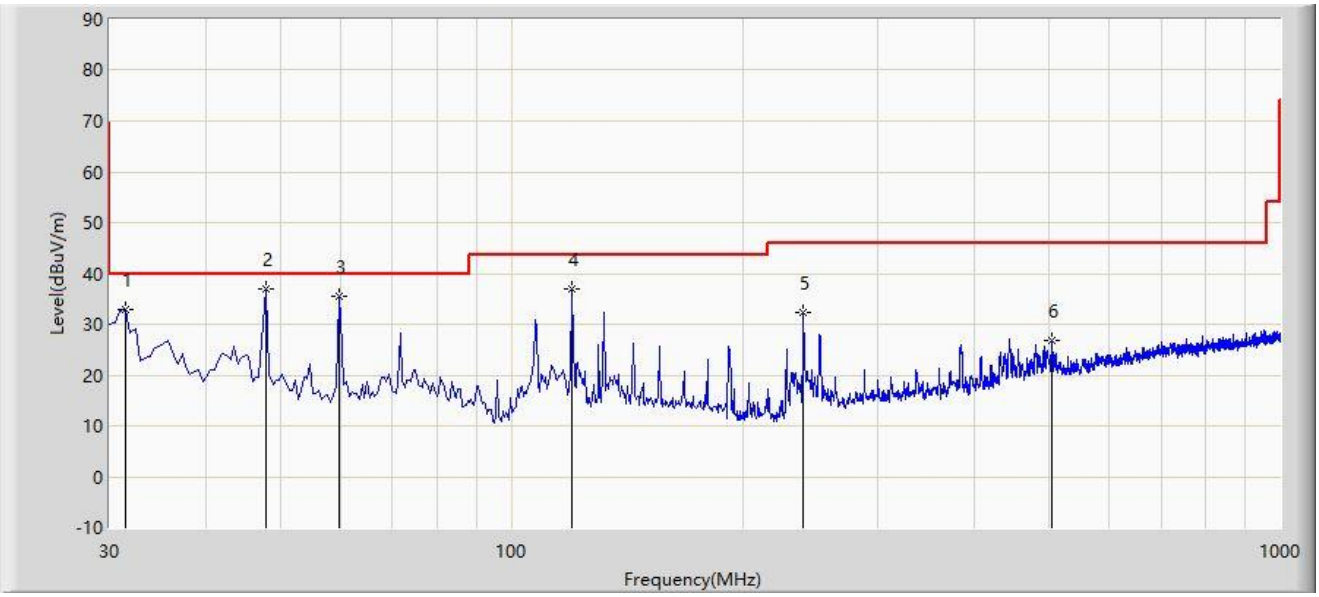
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: SIP-AC3	Test Date: 2023-05-09
Limit: FCC_Part15.209_RSE(3m)	Engineer: Mero Zhou
Probe: VULB 9168_00997_25-2000MHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		31.455	33.007	16.567	-6.993	40.000	16.439	PK
2	*	47.945	36.999	19.014	-3.001	40.000	17.985	PK
3		59.585	35.488	18.360	-4.512	40.000	17.128	PK
4		119.725	37.038	21.378	-6.462	43.500	15.660	PK
5		240.005	32.178	15.768	-13.822	46.000	16.411	PK
6		504.330	26.775	3.515	-19.225	46.000	23.260	PK

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

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

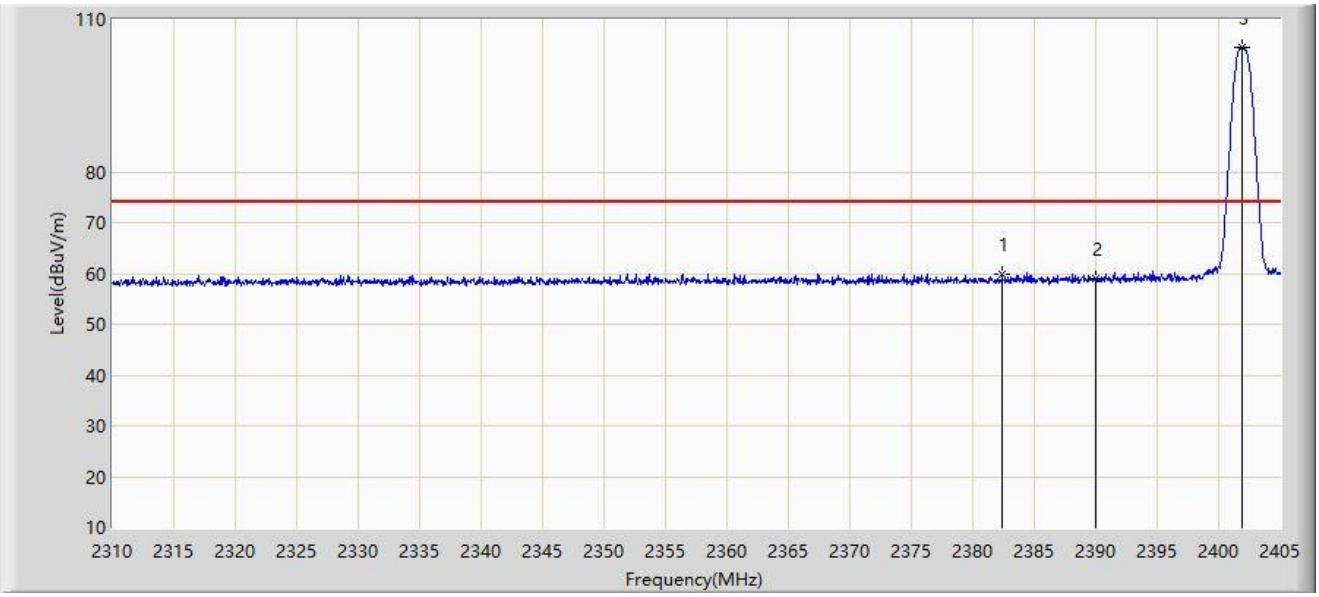
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

A.10 Radiated Restricted Band Edge Test Result

Site: SIP-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	



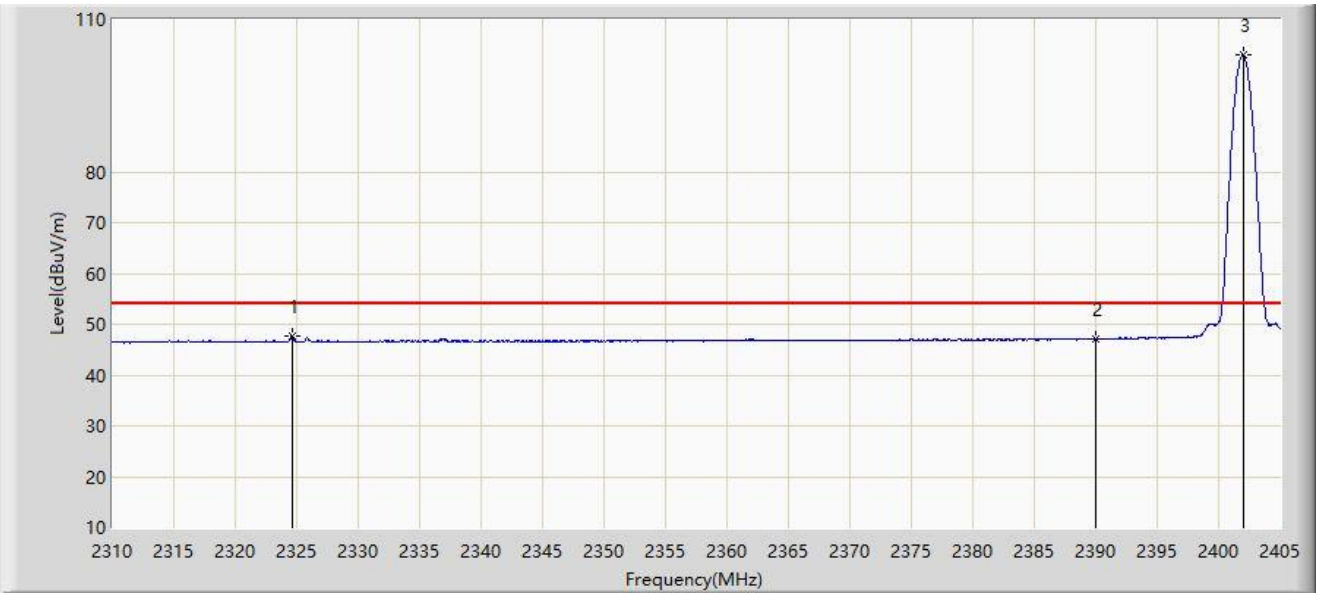
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2382.390	59.928	28.045	-14.072	74.000	31.883	PK
2		2390.000	59.028	27.099	-14.972	74.000	31.929	PK
3		2401.865	104.503	72.492	N/A	N/A	32.011	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	



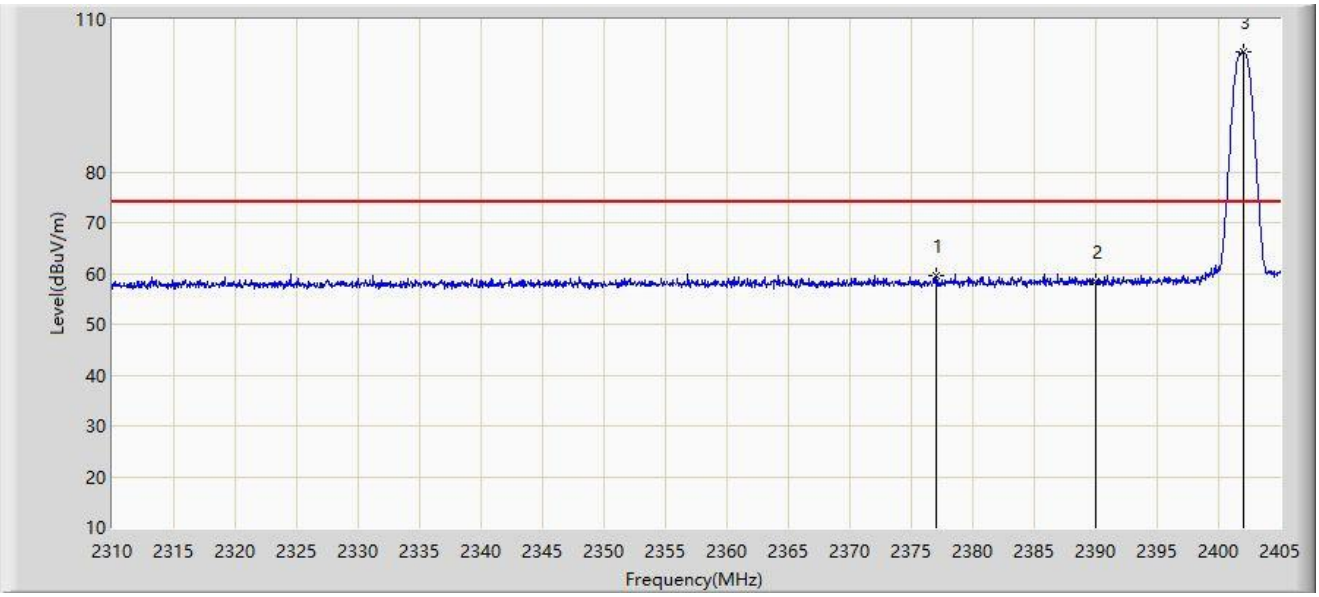
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2324.630	47.791	16.015	-6.209	54.000	31.776	AV
2		2390.000	47.004	15.075	-6.996	54.000	31.929	AV
3		2402.008	102.974	70.962	N/A	N/A	32.012	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	



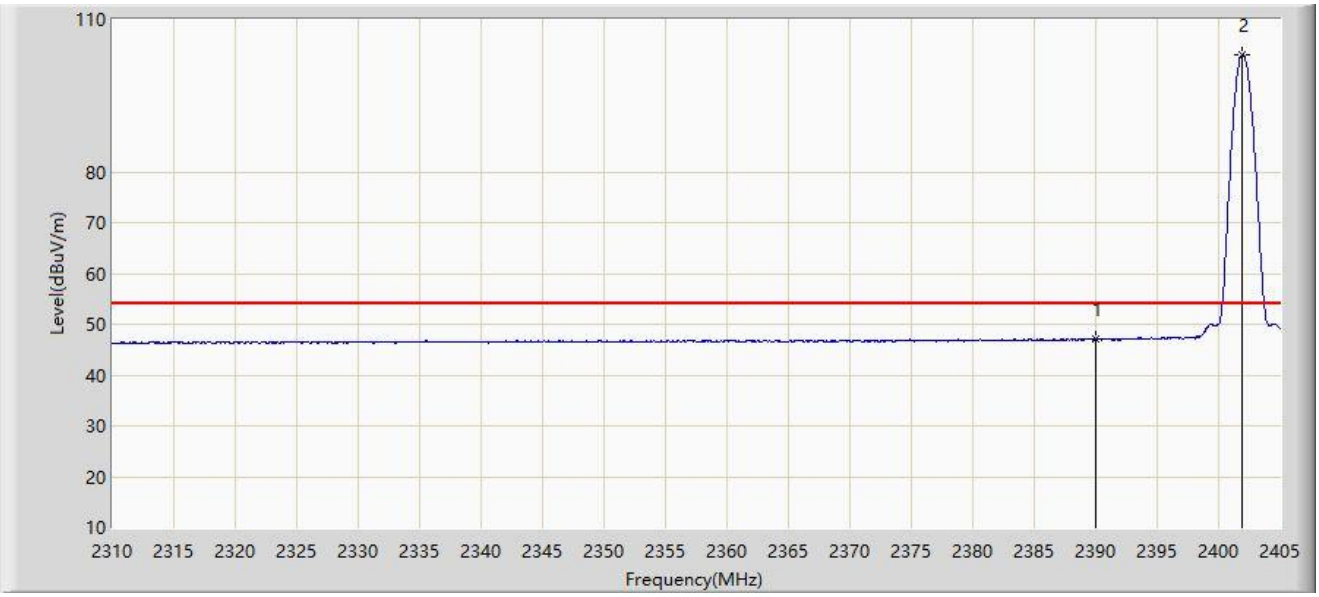
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2377.070	59.566	27.715	-14.434	74.000	31.851	PK
2		2390.000	58.316	26.387	-15.684	74.000	31.929	PK
3		2402.008	103.497	71.485	N/A	N/A	32.012	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	



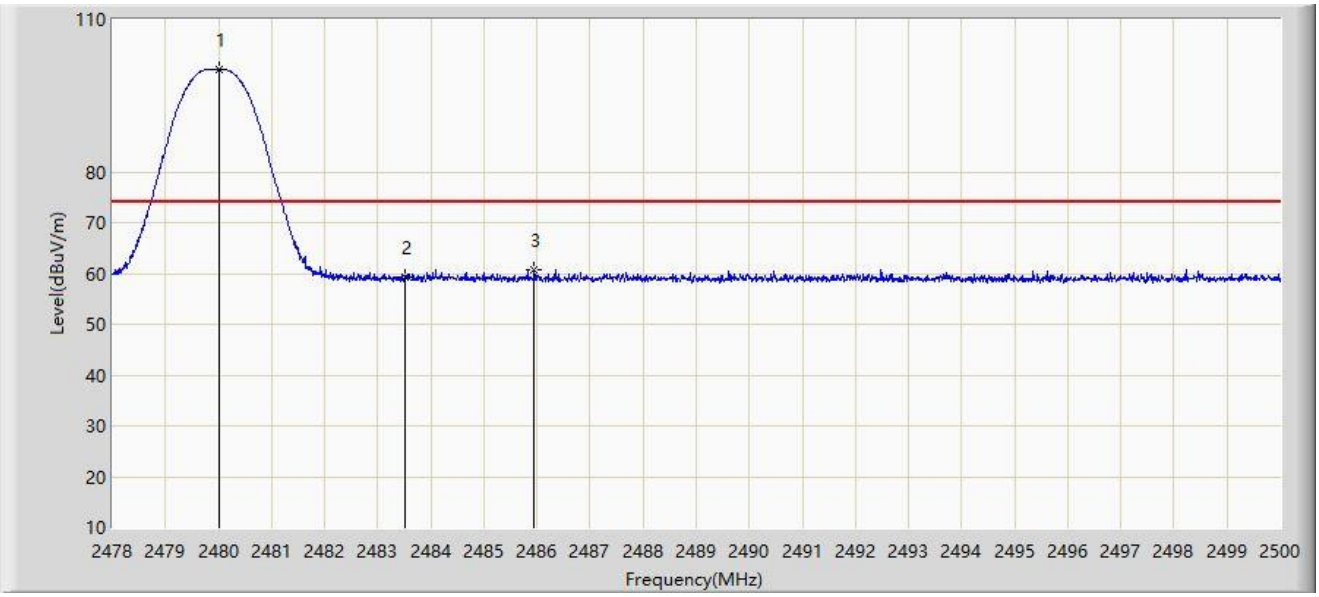
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2390.000	46.984	15.055	-7.016	54.000	31.929	AV
2		2401.913	103.054	71.043	N/A	N/A	32.012	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	



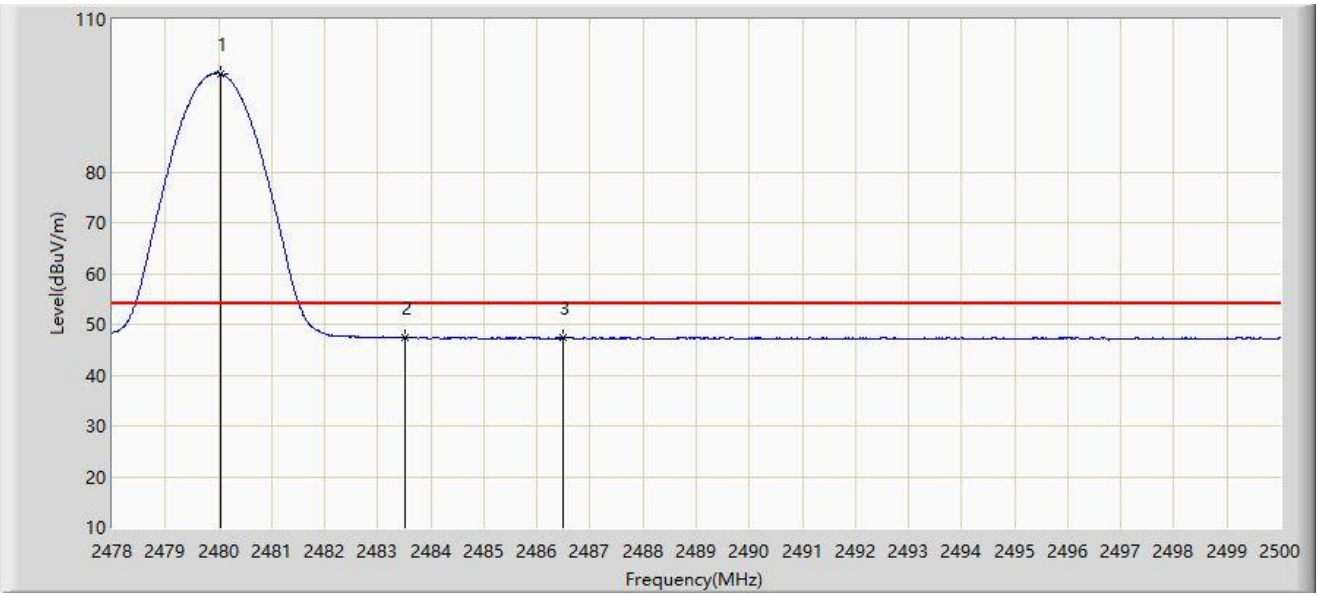
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.002	100.243	67.955	N/A	N/A	32.287	PK
2		2483.500	59.365	27.060	-14.635	74.000	32.305	PK
3	*	2485.953	60.780	28.463	-13.220	74.000	32.318	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	



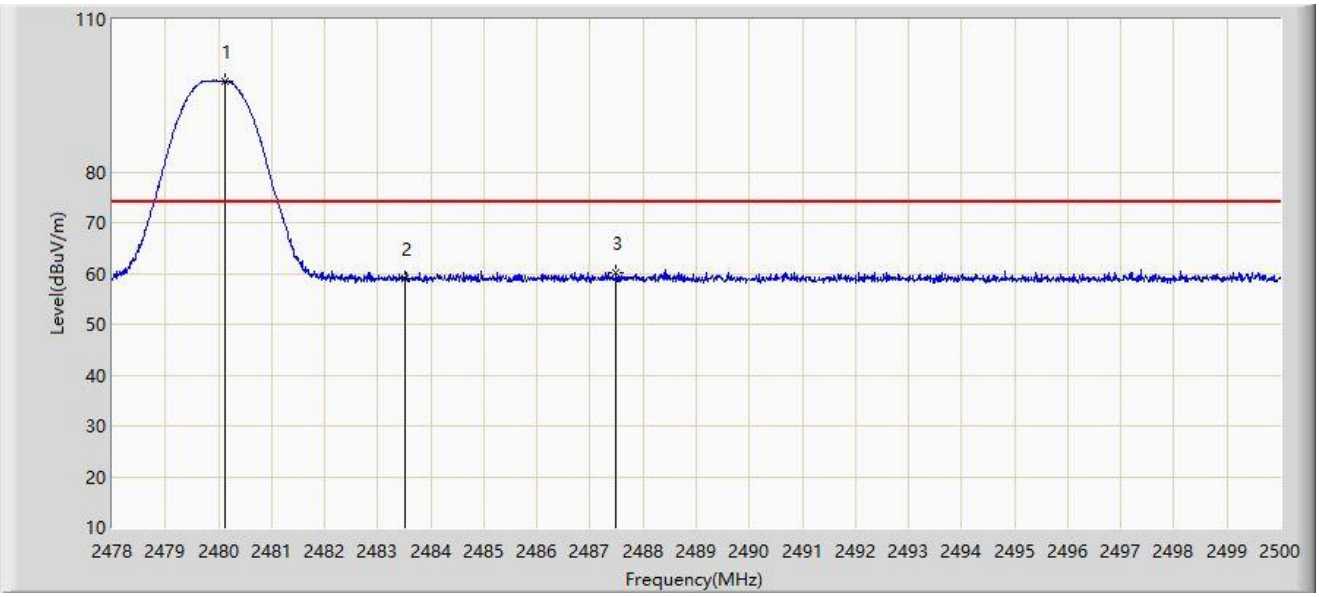
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.046	99.321	67.033	N/A	N/A	32.287	AV
2		2483.500	47.264	14.959	-6.736	54.000	32.305	AV
3	*	2486.481	47.438	15.118	-6.562	54.000	32.320	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	



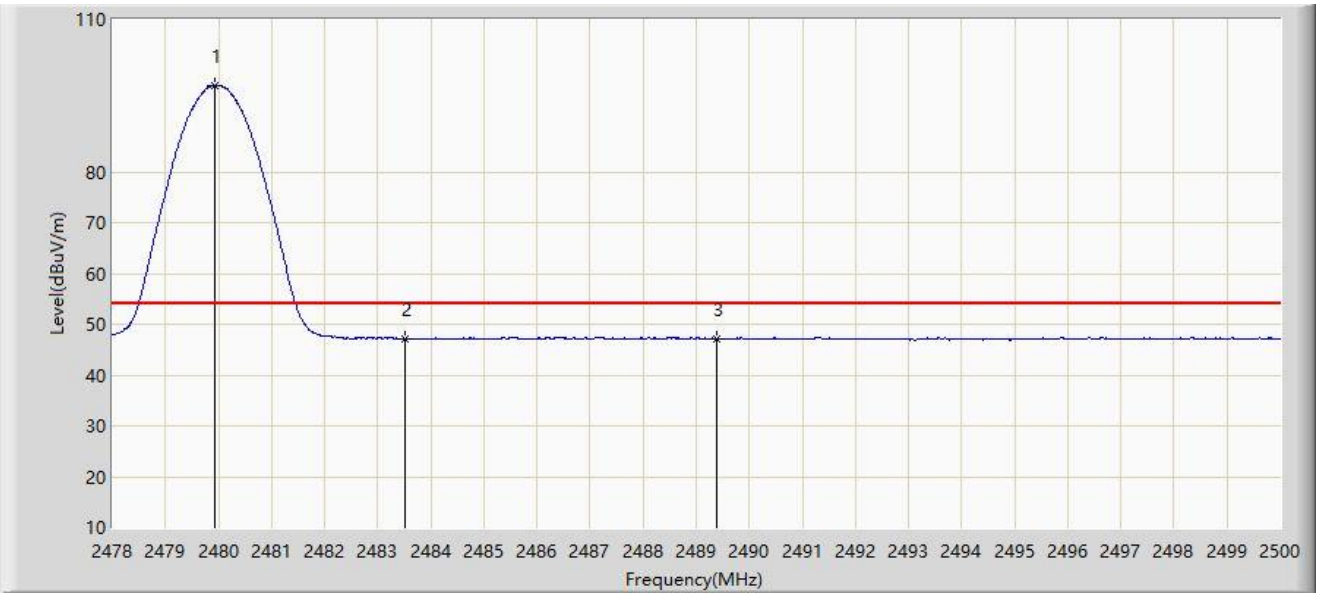
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.112	97.926	65.638	N/A	N/A	32.288	PK
2		2483.500	58.938	26.633	-15.062	74.000	32.305	PK
3	*	2487.493	60.167	27.842	-13.833	74.000	32.325	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	



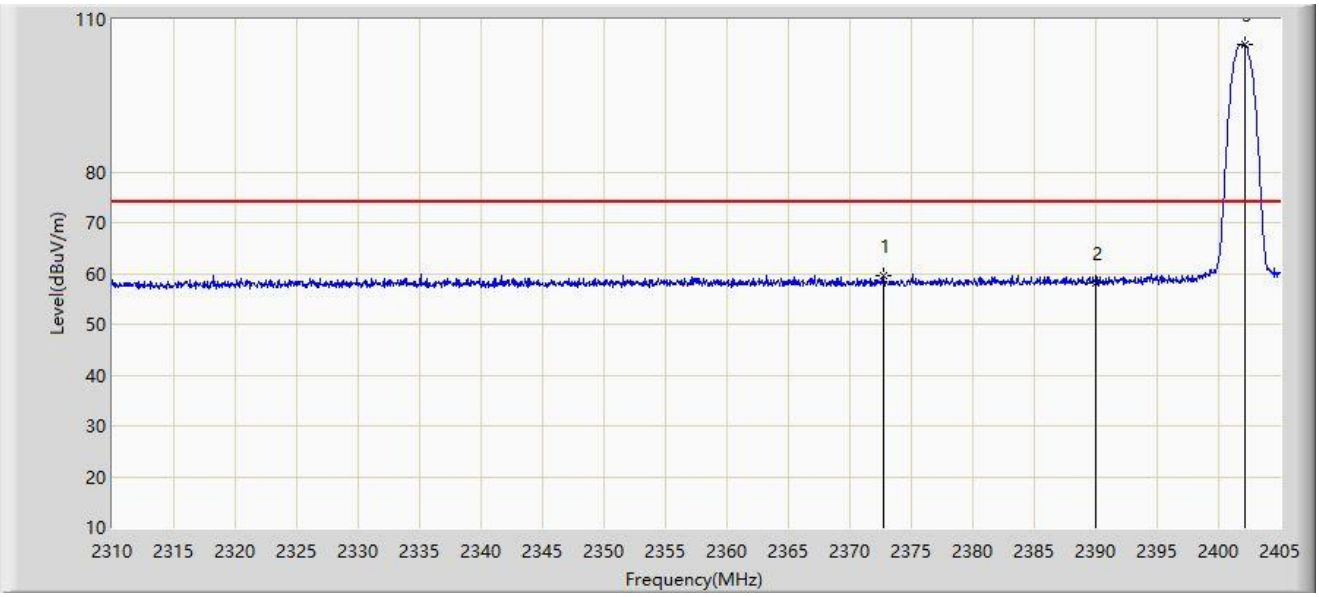
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.936	97.070	64.783	N/A	N/A	32.287	AV
2		2483.500	47.098	14.793	-6.902	54.000	32.305	AV
3	*	2489.385	47.176	14.841	-6.824	54.000	32.334	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	



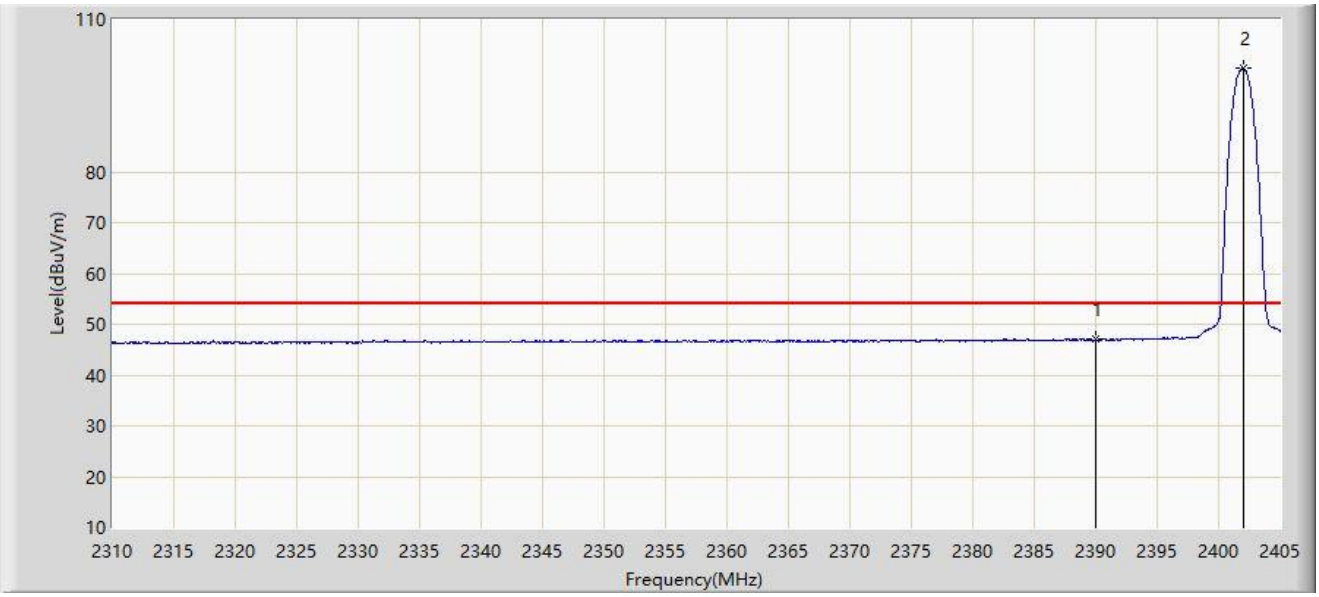
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2372.700	59.573	27.719	-14.427	74.000	31.854	PK
2		2390.000	58.029	26.100	-15.971	74.000	31.929	PK
3		2402.103	105.206	73.193	N/A	N/A	32.013	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	



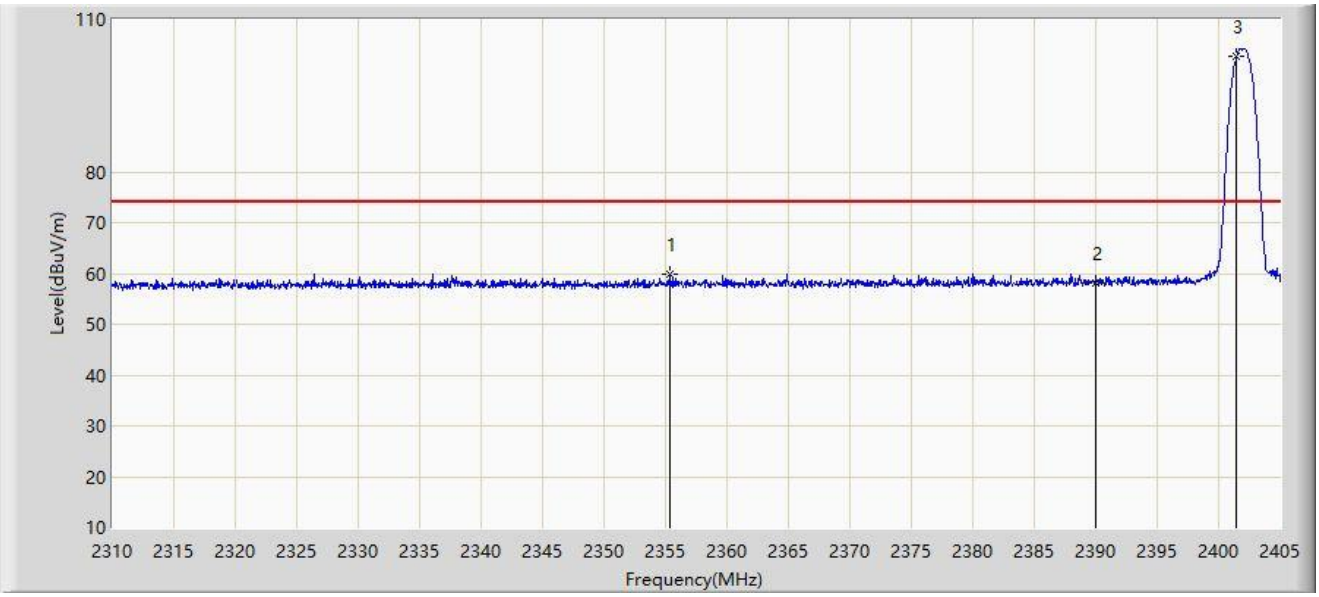
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	2390.000	46.991	15.062	-7.009	54.000	31.929	AV
2		2402.008	100.480	68.468	N/A	N/A	32.012	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	



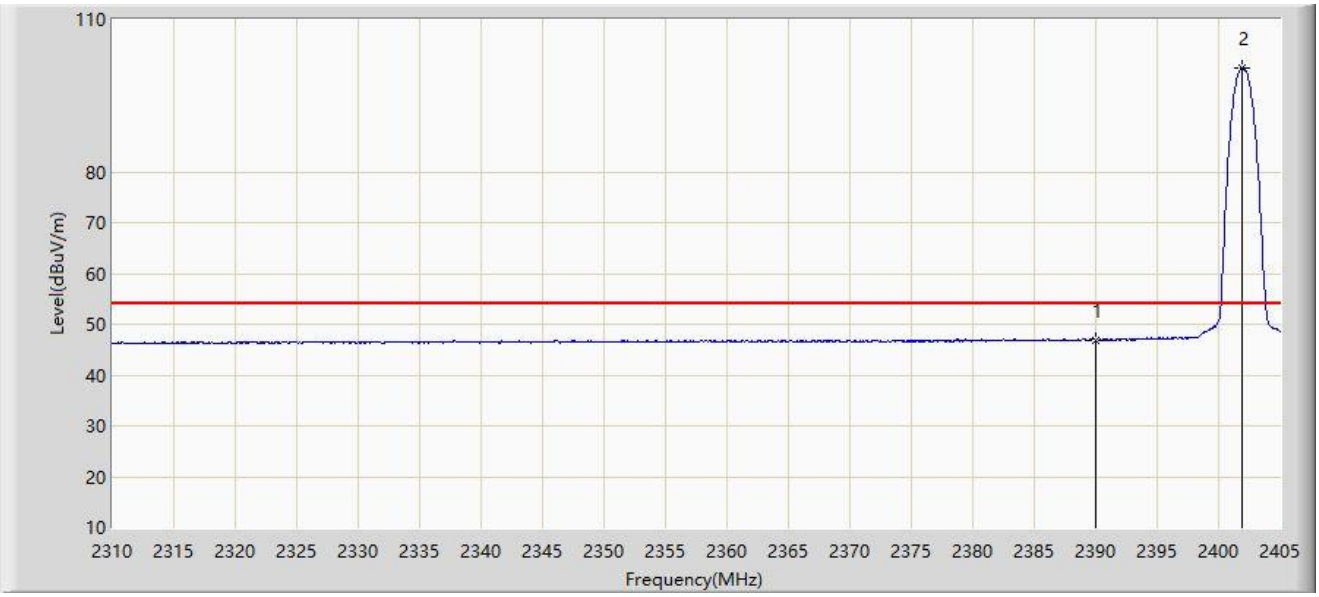
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2355.315	59.855	28.010	-14.145	74.000	31.845	PK
2		2390.000	58.001	26.072	-15.999	74.000	31.929	PK
3		2401.485	102.770	70.762	N/A	N/A	32.008	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	



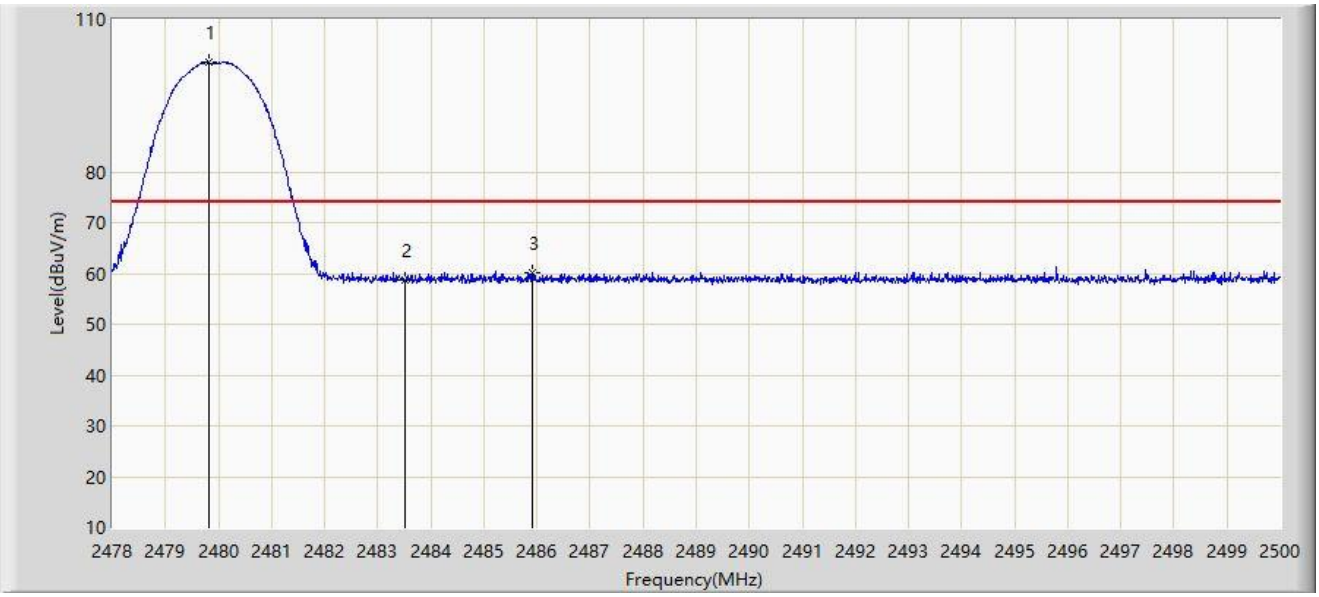
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	2390.000	46.908	14.979	-7.092	54.000	31.929	AV
2		2401.960	100.546	68.534	N/A	N/A	32.012	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	



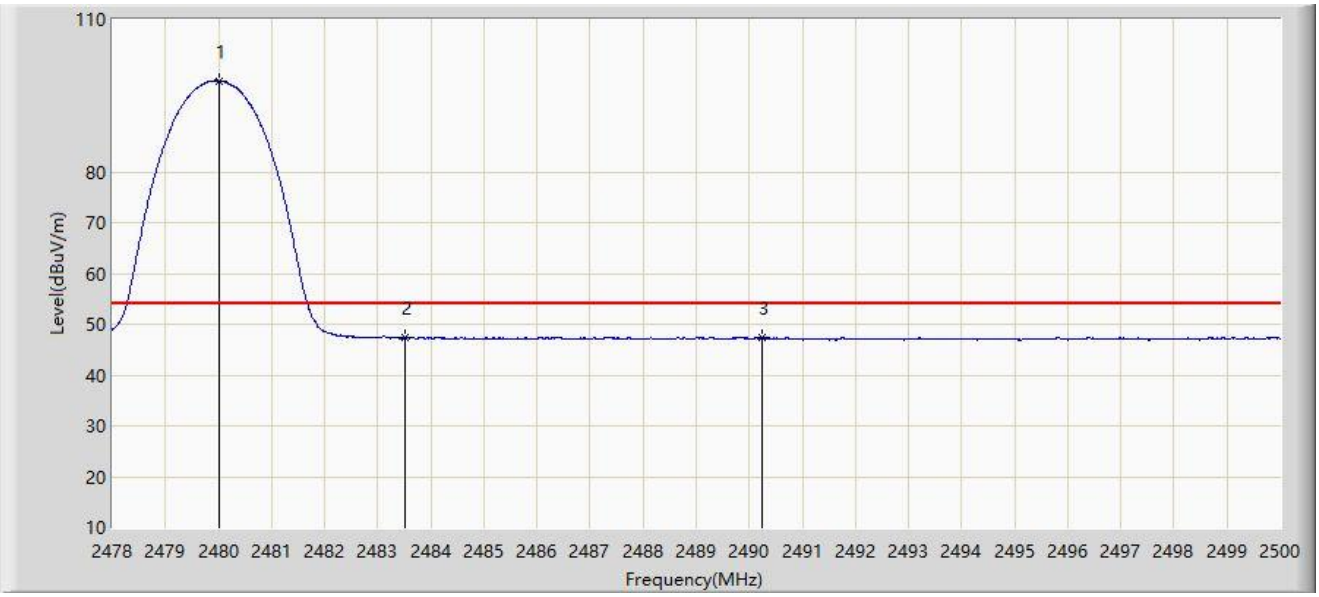
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.815	101.508	69.221	N/A	N/A	32.287	PK
2		2483.500	58.729	26.424	-15.271	74.000	32.305	PK
3	*	2485.920	60.246	27.929	-13.754	74.000	32.317	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	



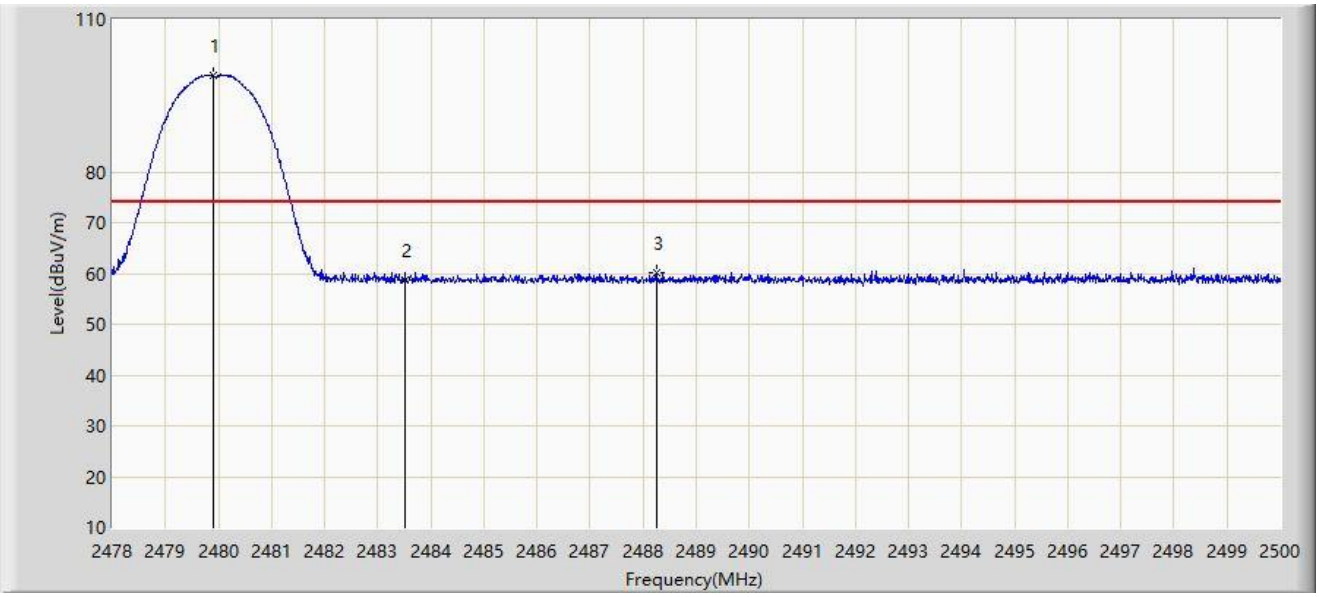
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.002	97.953	65.665	N/A	N/A	32.287	AV
2		2483.500	47.381	15.076	-6.619	54.000	32.305	AV
3	*	2490.232	47.435	15.096	-6.565	54.000	32.339	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	



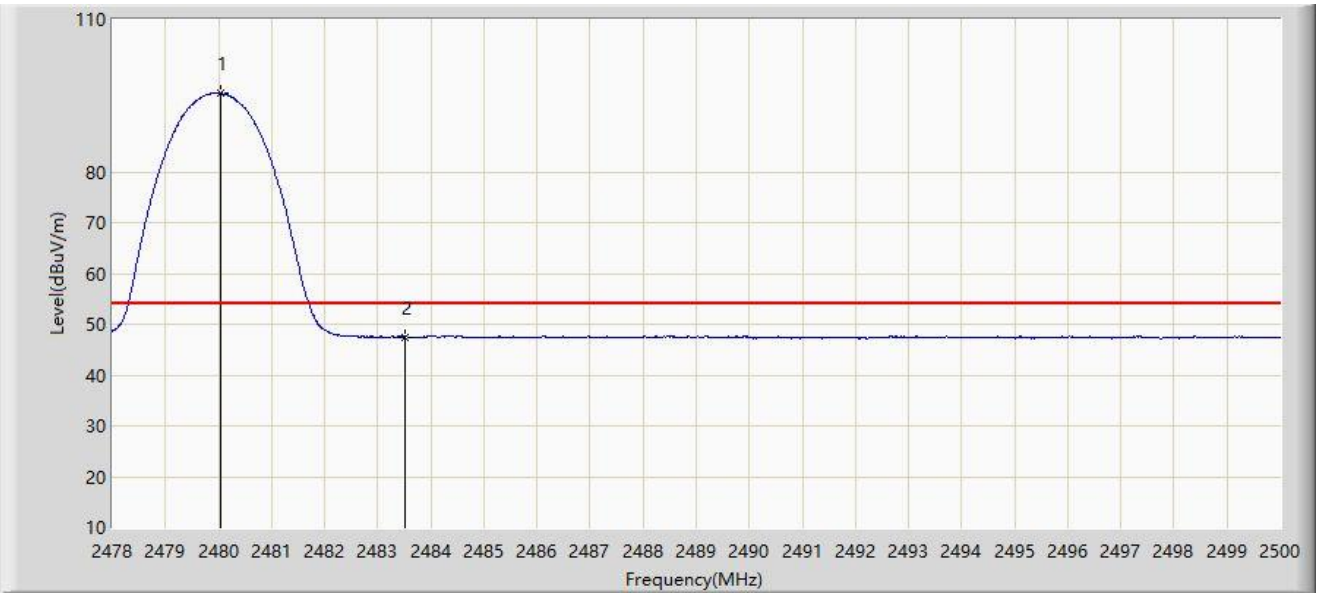
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.892	99.020	66.733	N/A	N/A	32.287	PK
2		2483.500	58.704	26.399	-15.296	74.000	32.305	PK
3	*	2488.263	60.260	27.931	-13.740	74.000	32.330	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	



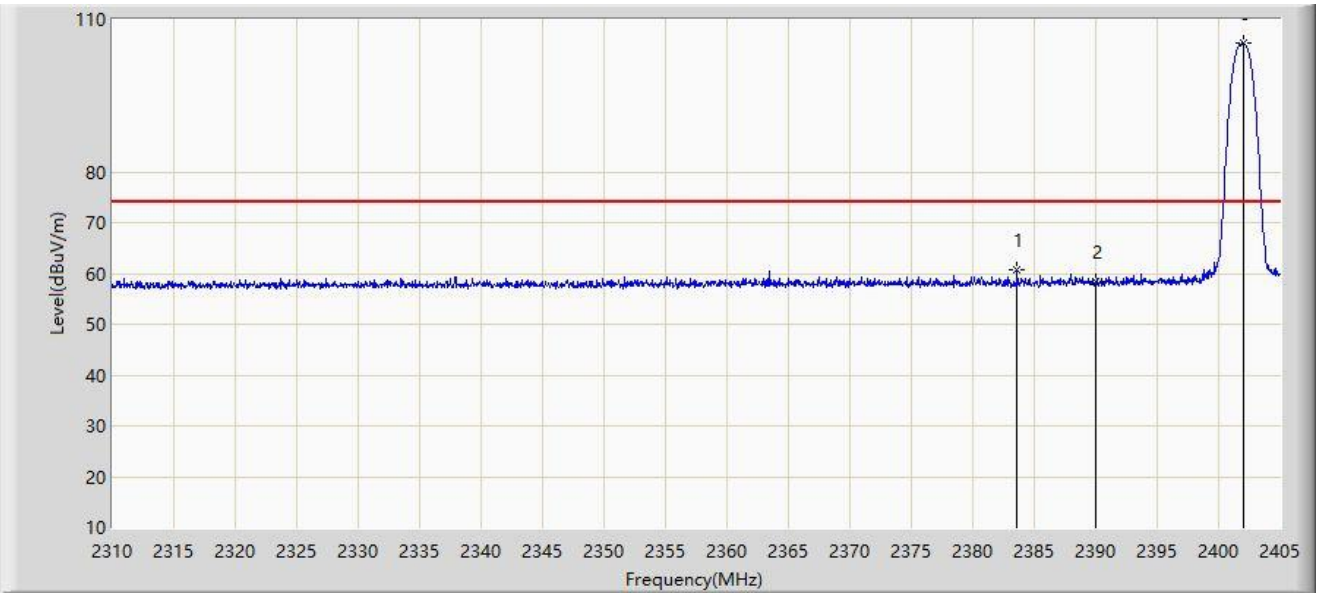
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.046	95.465	63.177	N/A	N/A	32.287	AV
2	*	2483.500	47.510	15.205	-6.490	54.000	32.305	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	



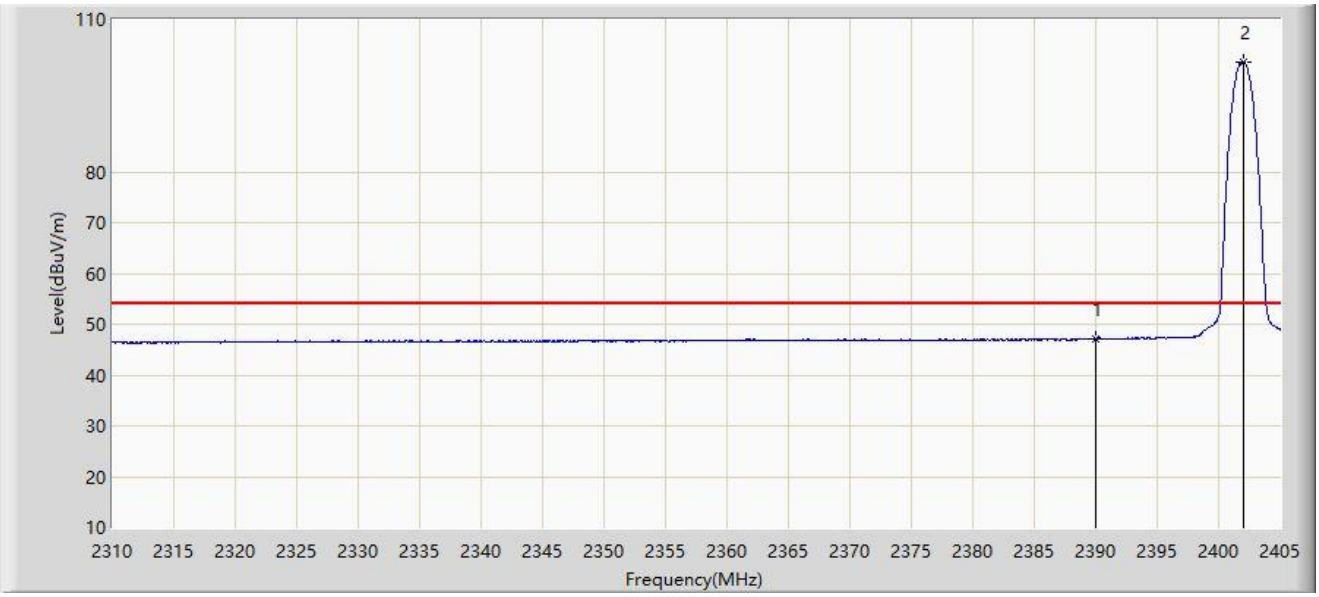
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2383.577	60.826	28.936	-13.174	74.000	31.890	PK
2		2390.000	58.323	26.394	-15.677	74.000	31.929	PK
3		2402.008	105.329	73.317	N/A	N/A	32.012	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	



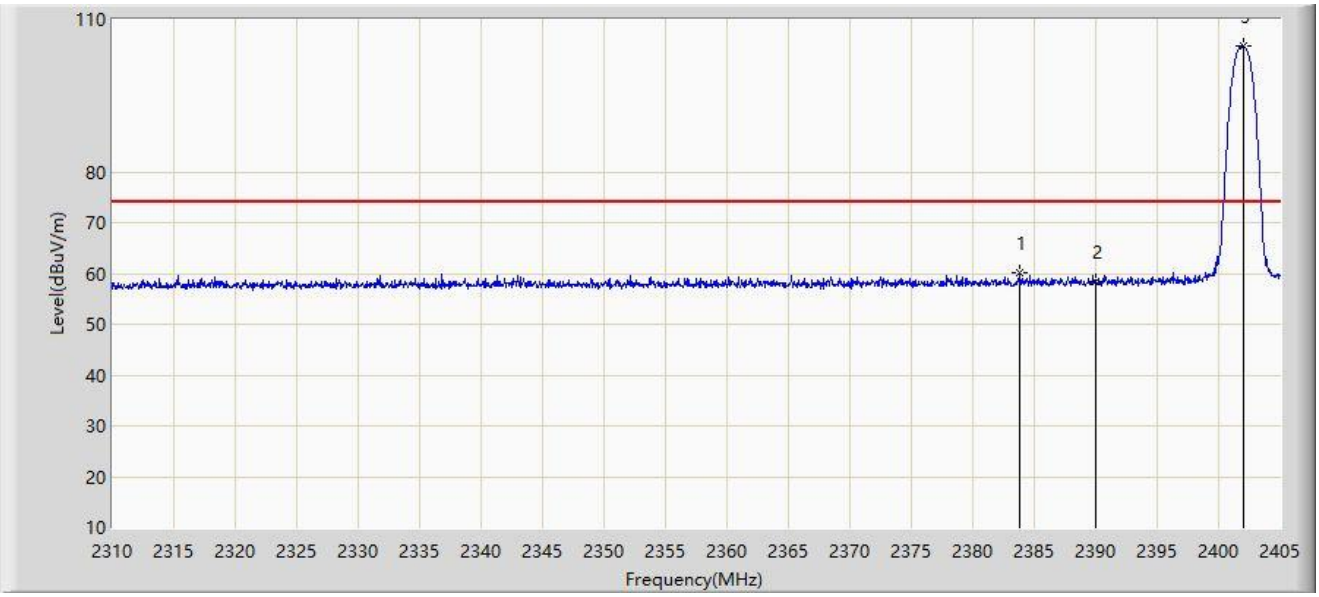
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2390.000	47.063	15.134	-6.937	54.000	31.929	AV
2		2402.008	101.719	69.707	N/A	N/A	32.012	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	



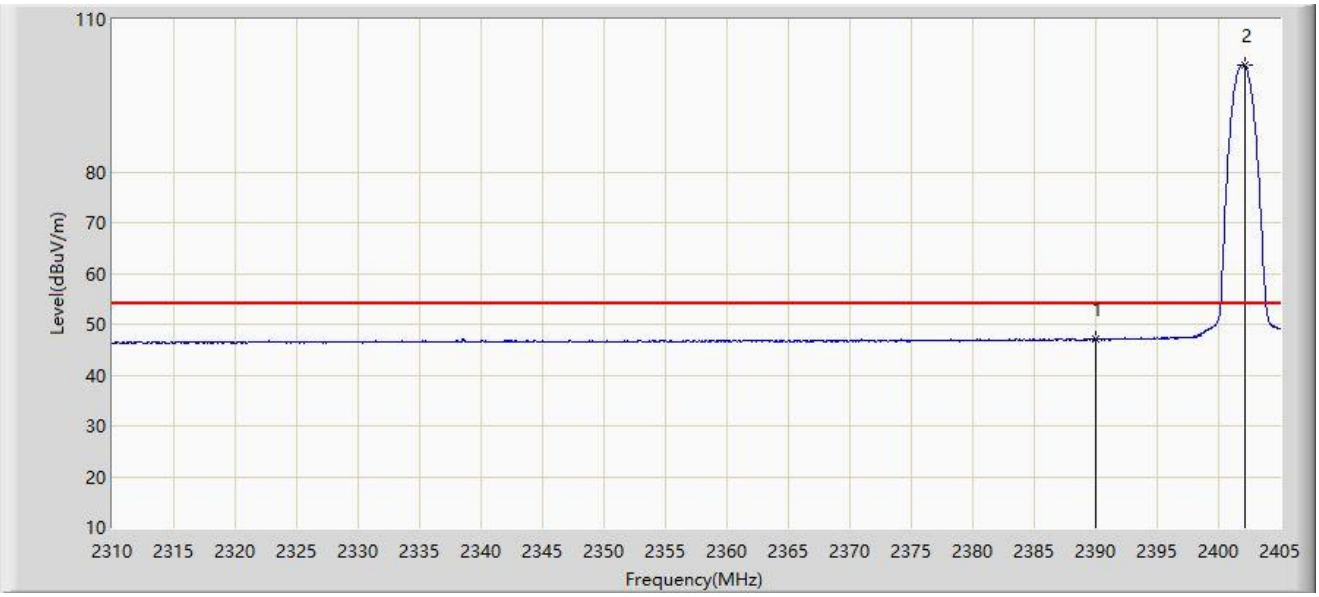
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2383.863	60.219	28.327	-13.781	74.000	31.892	PK
2		2390.000	58.505	26.576	-15.495	74.000	31.929	PK
3		2402.008	104.833	72.821	N/A	N/A	32.012	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	



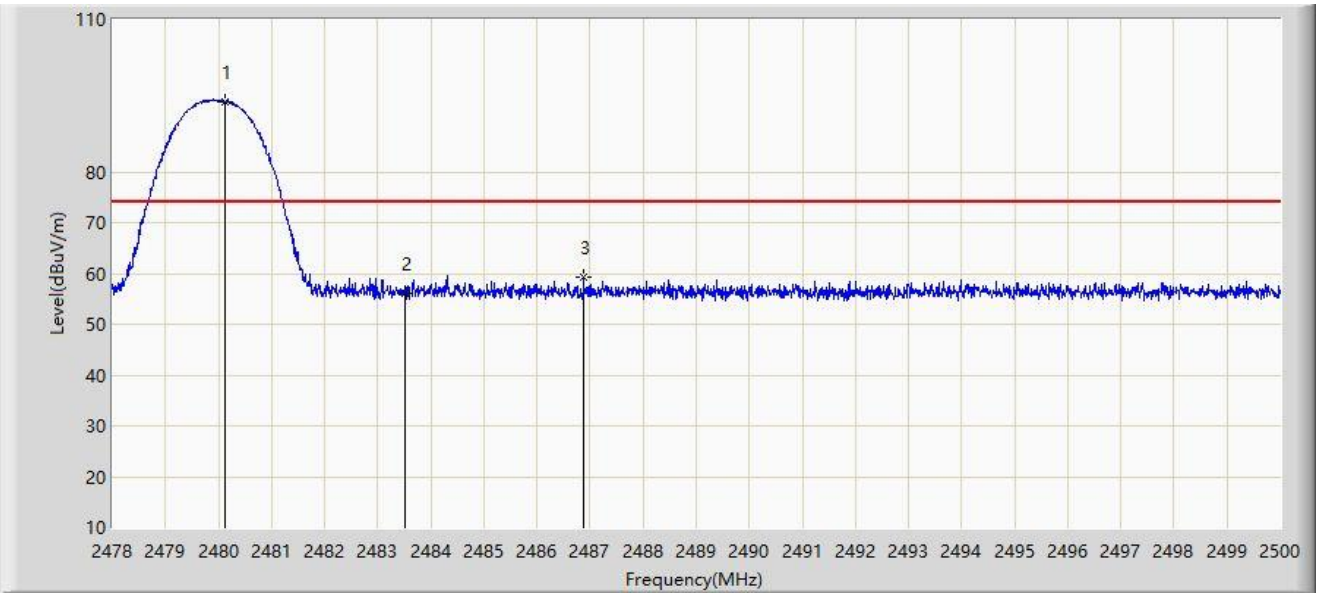
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	2390.000	46.972	15.043	-7.028	54.000	31.929	AV
2		2402.150	100.904	68.891	N/A	N/A	32.013	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	



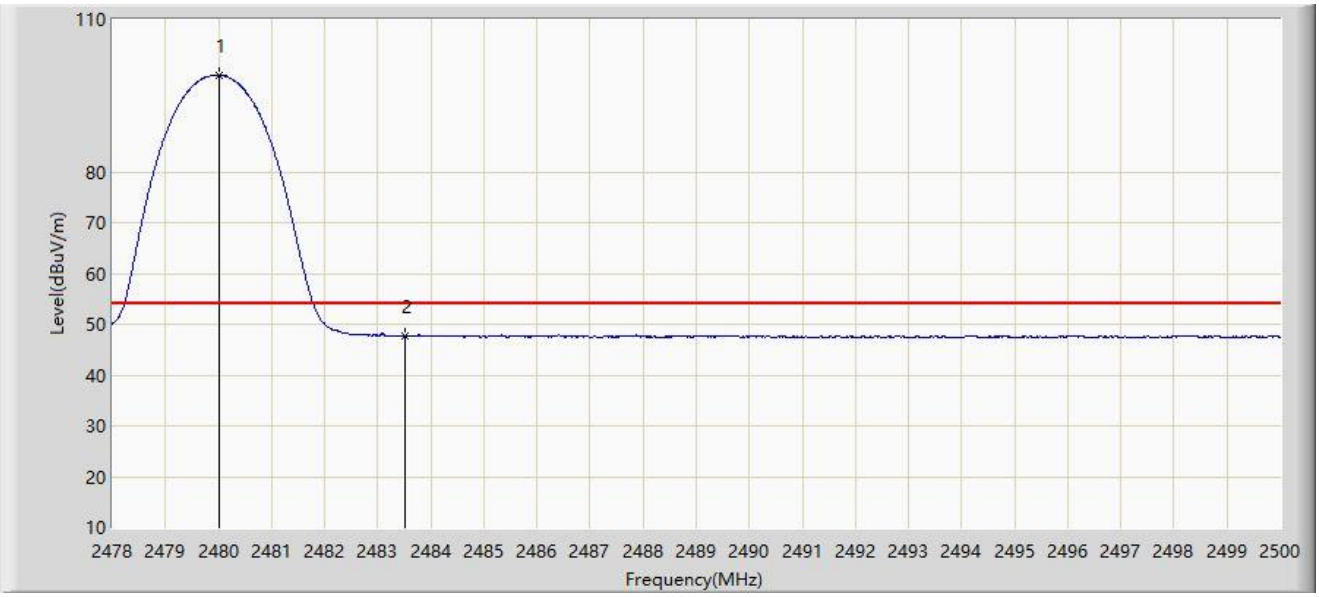
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.112	93.781	61.493	N/A	N/A	32.288	PK
2		2483.500	56.047	23.742	-17.953	74.000	32.305	PK
3	*	2486.877	59.231	26.909	-14.769	74.000	32.322	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	



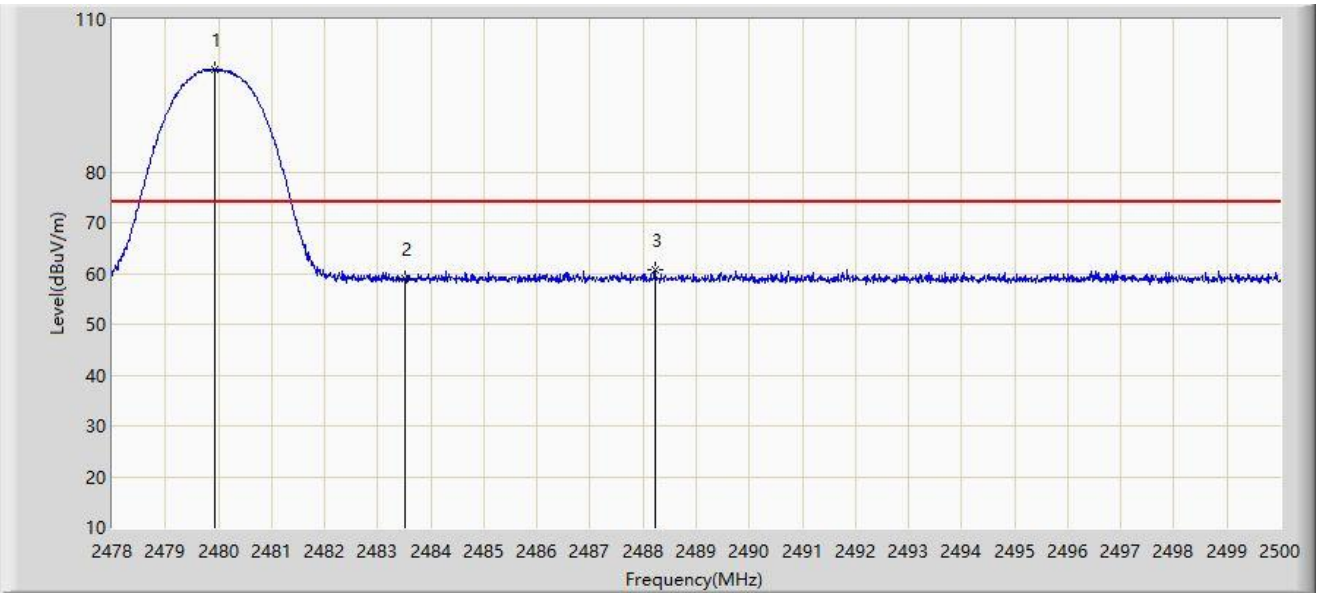
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.002	99.023	66.735	N/A	N/A	32.287	AV
2	*	2483.500	47.662	15.357	-6.338	54.000	32.305	AV

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	



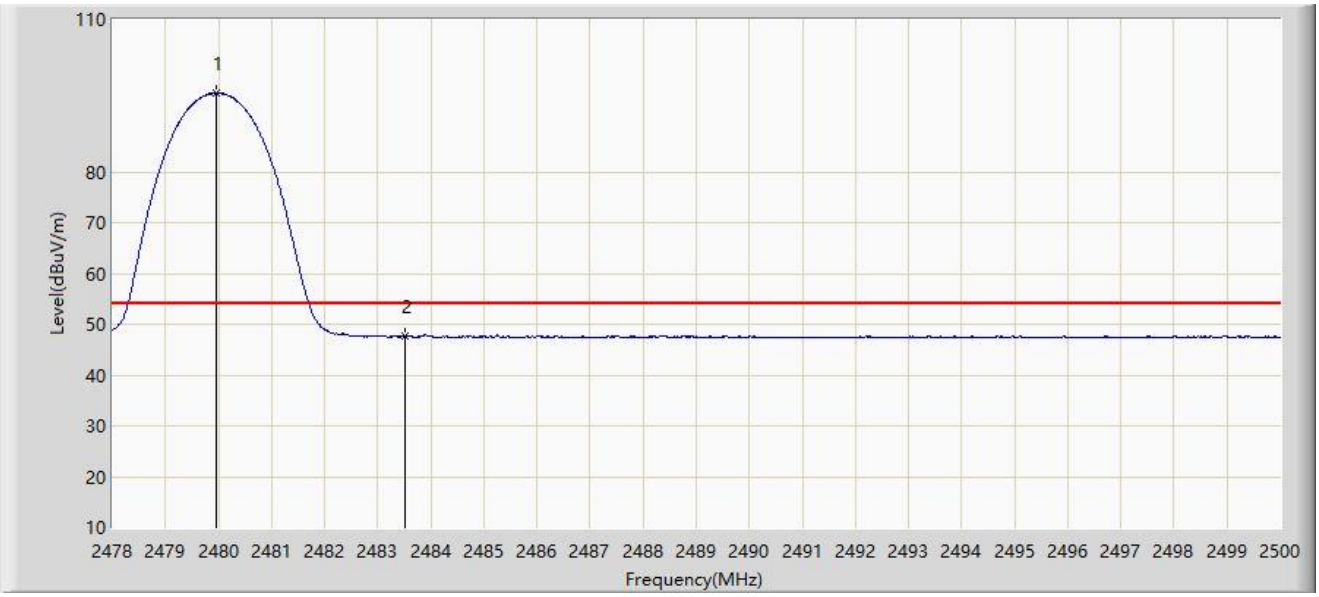
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.936	100.226	67.939	N/A	N/A	32.287	PK
2		2483.500	59.049	26.744	-14.951	74.000	32.305	PK
3	*	2488.219	60.685	28.356	-13.315	74.000	32.328	PK

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-AC3	Test Date: 2023-05-10
Limit: FCC_2.4G_RE(3m)	Engineer: Mero Zhou
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Smart Installation Tool	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.969	95.437	63.150	N/A	N/A	32.287	AV
2	*	2483.500	47.603	15.298	-6.397	54.000	32.305	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).

A.11 AC Conducted Emissions Test Result

This device is powered by battery in actual use. Therefore, this requirement is not applicable.

Appendix B - Test Setup Photograph

Refer to “2304RSU026-UT” file.

Appendix C - EUT Photograph

Refer to “2304RSU026-UE” file.

The End