

Channel 11 (2462MHz)

Reference Level



High Band Edge



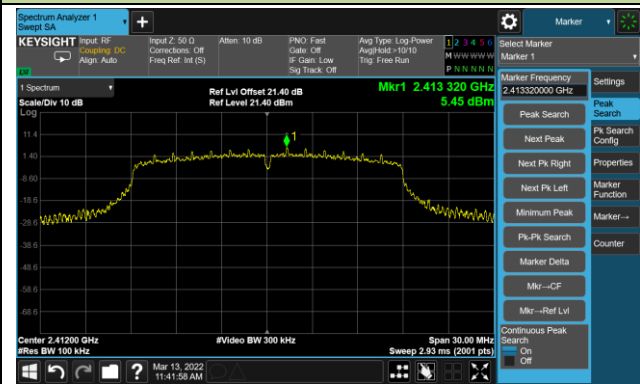
Spurious Emission



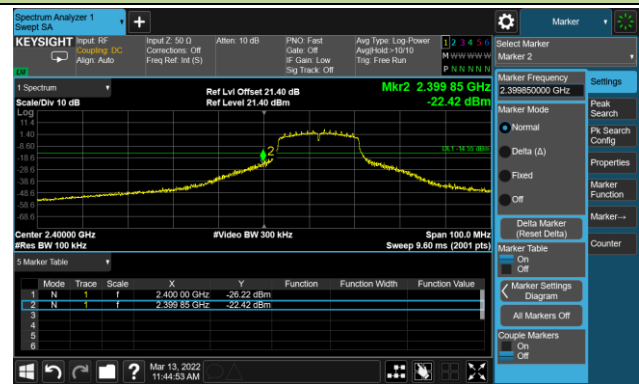
802.11n-HT20 Out-of-Band Emissions

Channel 01 (2412MHz)

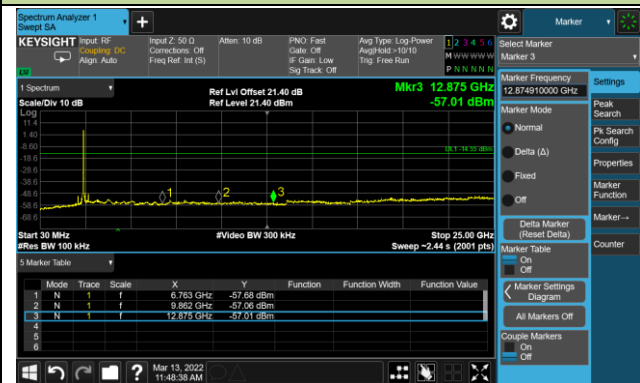
Reference Level



Low Band Edge



Spurious Emission

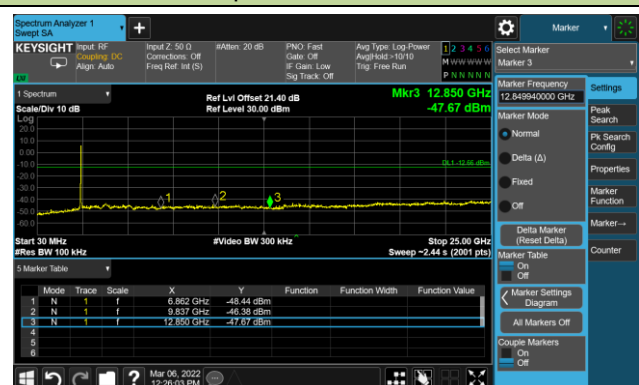


Channel 06 (2437MHz)

Reference Level



Spurious Emission



Channel 11 (2462MHz)

Reference Level



High Band Edge



Spurious Emission



A.6 Radiated Spurious Emission Test Result

Test Site	SIP-AC3	Test Engineer	Allen Zou
Test Date	2022/03/09 ~ 2022/03/10	Test Mode:	802.11b
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
01	3694.5	60.9	-10.8	50.1	74.0	-23.9	Peak	Horizontal
	4621.0	55.5	-9.4	46.1	74.0	-27.9	Peak	Horizontal
	7392.0	53.3	-6.4	46.9	74.0	-27.1	Peak	Horizontal
	3694.5	64.1	-10.8	53.3	74.0	-20.7	Peak	Vertical
	3694.5	57.1	-10.8	46.3	54.0	-7.7	Average	Vertical
	7392.0	52.1	-6.4	45.7	74.0	-28.3	Peak	Vertical
	12126.5	49.1	-3.1	46.0	74.0	-28.0	Peak	Vertical
06	3694.5	59.0	-10.8	48.2	74.0	-25.8	Peak	Horizontal
	4621.0	56.0	-9.4	46.6	74.0	-27.4	Peak	Horizontal
	7392.0	53.6	-6.4	47.2	74.0	-26.8	Peak	Horizontal
	3694.5	66.4	-10.8	55.6	74.0	-18.4	Peak	Vertical
	3694.5	57.0	-10.8	46.2	54.0	-7.8	Average	Vertical
	11200.0	49.9	-3.8	46.1	74.0	-27.9	Peak	Vertical
	15747.5	45.6	3.3	48.9	74.0	-25.1	Peak	Vertical
11	3694.5	59.2	-10.8	48.4	74.0	-25.6	Peak	Horizontal
	4621.0	55.2	-9.4	45.8	74.0	-28.2	Peak	Horizontal
	7392.0	56.1	-6.4	49.7	74.0	-24.3	Peak	Horizontal
	3694.5	65.8	-10.8	55.0	74.0	-19.0	Peak	Vertical
	3694.5	57.1	-10.8	46.3	54.0	-7.7	Average	Vertical
	7392.0	51.1	-6.4	44.7	74.0	-29.3	Peak	Vertical
	15645.5	45.7	2.8	48.5	74.0	-25.5	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	Test Engineer	Allen Zou
Test Date	2022/03/09 ~ 2022/03/10	Test Mode:	802.11g
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
01	3694.5	59.9	-10.8	49.1	74.0	-24.9	Peak	Horizontal
	4621.0	55.2	-9.4	45.8	74.0	-28.2	Peak	Horizontal
	7392.0	52.4	-6.4	46.0	74.0	-28.0	Peak	Horizontal
	3694.5	64.9	-10.8	54.1	74.0	-19.9	Peak	Vertical
	3694.5	50.2	-10.8	39.4	54.0	-14.6	Average	Vertical
	4621.0	55.6	-9.4	46.2	74.0	-27.8	Peak	Vertical
	7392.0	51.0	-6.4	44.6	74.0	-29.4	Peak	Vertical
06	3694.5	59.3	-10.8	48.5	74.0	-25.5	Peak	Horizontal
	4621.0	55.2	-9.4	45.8	74.0	-28.2	Peak	Horizontal
	7392.0	51.0	-6.4	44.6	74.0	-29.4	Peak	Horizontal
	3694.5	66.7	-10.8	55.9	74.0	-18.1	Peak	Vertical
	3694.5	57.7	-10.8	46.9	54.0	-7.1	Average	Vertical
	11735.5	49.2	-3.7	45.5	74.0	-28.5	Peak	Vertical
	15985.5	46.8	3.0	49.8	74.0	-24.2	Peak	Vertical
11	3694.5	61.1	-10.8	50.3	74.0	-23.7	Peak	Horizontal
	4621.0	55.0	-9.4	45.6	74.0	-28.4	Peak	Horizontal
	7392.0	51.1	-6.4	44.7	74.0	-29.3	Peak	Horizontal
	3694.5	67.7	-10.8	56.9	74.0	-17.1	Peak	Vertical
	3694.5	55.7	-10.8	44.9	54.0	-9.1	Average	Vertical
	4621.0	53.4	-9.4	44.0	74.0	-30.0	Peak	Vertical
	7392.0	52.4	-6.4	46.0	74.0	-28.0	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	Test Engineer	Allen Zou
Test Date	2022/03/09 ~ 2022/03/10	Test Mode:	802.11n-HT20
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.		

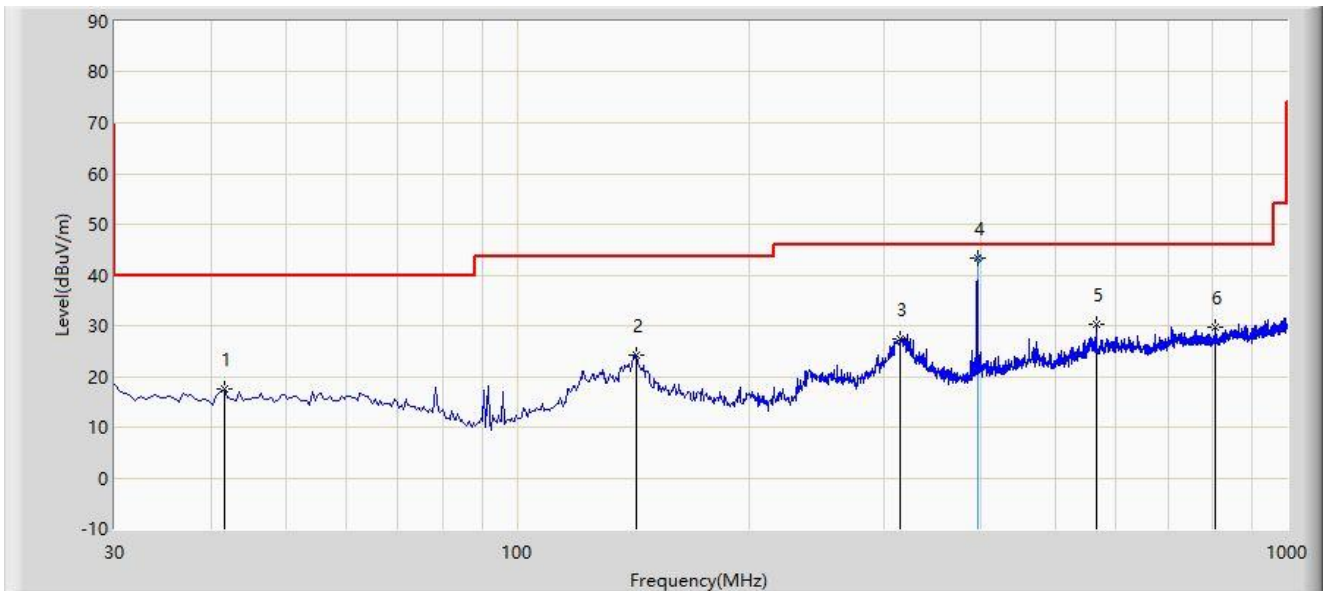
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	3694.5	59.2	-10.8	48.4	74.0	-25.6	Peak	Horizontal
	4621.0	55.3	-9.4	45.9	74.0	-28.1	Peak	Horizontal
	7392.0	52.6	-6.4	46.2	74.0	-27.8	Peak	Horizontal
	3694.5	65.4	-10.8	54.6	74.0	-19.4	Peak	Vertical
	3694.5	56.8	-10.8	46.0	54.0	-8.0	Average	Vertical
	4621.0	52.6	-9.4	43.2	74.0	-30.8	Peak	Vertical
	15467.0	46.3	3.0	49.3	74.0	-24.7	Peak	Vertical
06	3694.5	58.5	-10.8	47.7	74.0	-26.3	Peak	Horizontal
	4621.0	55.6	-9.4	46.2	74.0	-27.8	Peak	Horizontal
	10732.5	48.7	-2.9	45.8	74.0	-28.2	Peak	Horizontal
	3694.5	64.7	-10.8	53.9	74.0	-20.1	Peak	Vertical
	3694.5	56.0	-10.8	45.2	54.0	-8.8	Average	Vertical
	4621.0	54.9	-9.4	45.5	74.0	-28.5	Peak	Vertical
	15824.0	45.5	3.6	49.1	74.0	-24.9	Peak	Vertical
11	3694.5	60.5	-10.8	49.7	74.0	-24.3	Peak	Horizontal
	4621.0	55.1	-9.4	45.7	74.0	-28.3	Peak	Horizontal
	7392.0	55.5	-6.4	49.1	74.0	-24.9	Peak	Horizontal
	3694.5	66.9	-10.8	56.1	74.0	-17.9	Peak	Vertical
	3694.5	57.6	-10.8	46.8	54.0	-7.2	Average	Vertical
	4621.0	54.0	-9.4	44.6	74.0	-29.4	Peak	Vertical
	7392.0	51.4	-6.4	45.0	74.0	-29.0	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)

The Result of Radiated Emission below 1GHz:

Site: SIP-AC2	Time: 2022/04/11 - 20:43
Limit: FCC_Part15.209_RSE(3m)	Engineer: Allen Zou
Probe: SIP-AC2_VULB 9168_30-1000MHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2437MHz by 802.11g	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			41.640	17.630	-0.342	-22.370	40.000	17.972	PK
2			143.005	24.177	5.861	-19.323	43.500	18.316	PK
3			314.695	27.469	7.978	-18.531	46.000	19.491	PK
4		*	396.010	43.448	22.200	-2.552	46.000	21.248	QP
5			564.955	30.250	5.558	-15.750	46.000	24.692	PK
6			806.485	29.765	0.919	-16.235	46.000	28.845	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

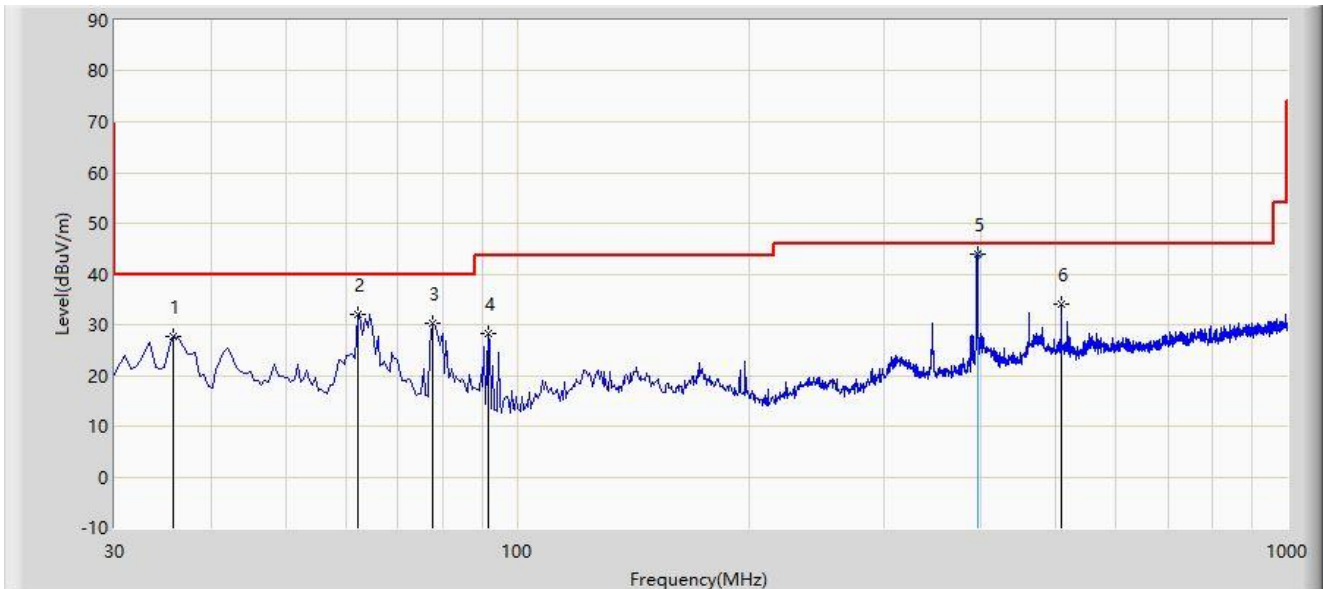
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: 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-AC2	Time: 2022/04/11 - 20:37
Limit: FCC_Part15.209_RSE(3m)	Engineer: Allen Zou
Probe: SIP-AC2_VULB 9168_30-1000MHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2437MHz by 802.11g	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			35.820	27.575	9.993	-12.425	40.000	17.582	PK
2			62.010	32.120	14.384	-7.880	40.000	17.736	PK
3			77.530	30.146	15.153	-9.854	40.000	14.993	PK
4			91.595	28.386	15.344	-15.114	43.500	13.043	PK
5		*	396.014	44.048	22.800	-1.952	46.000	21.248	QP
6			509.180	34.191	10.409	-11.809	46.000	23.782	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

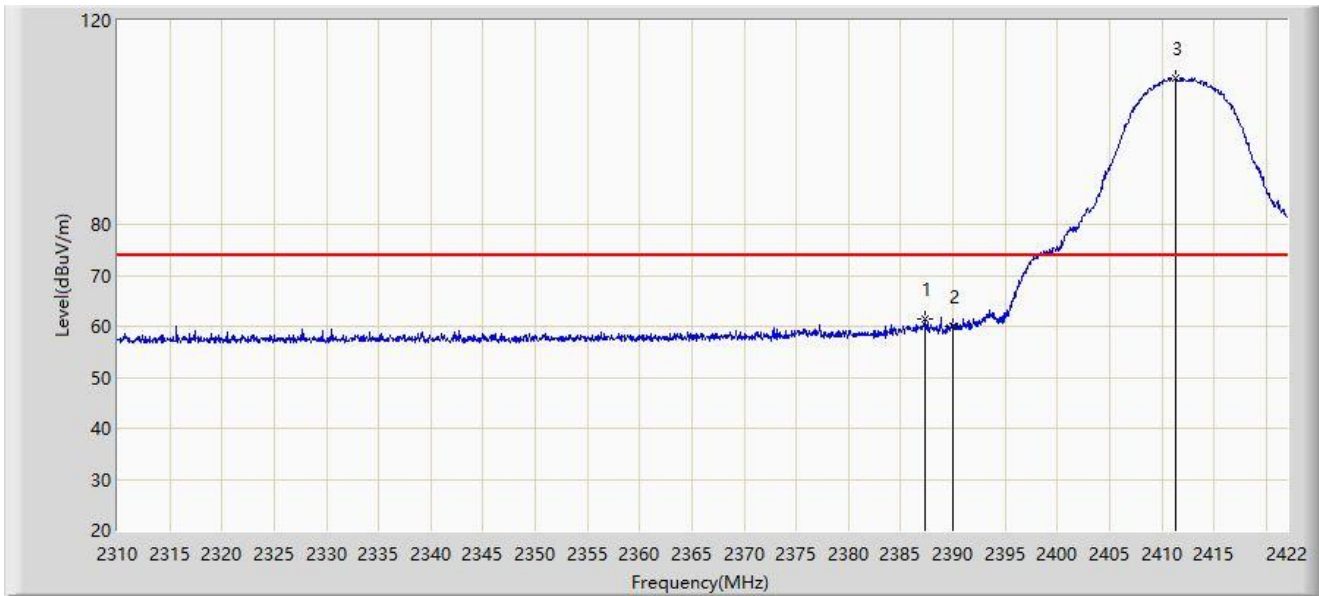
Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: 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.7 Radiated Restricted Band Edge Test Result

Site: SIP-AC3	Time: 2022/03/09 - 22:00
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11b	

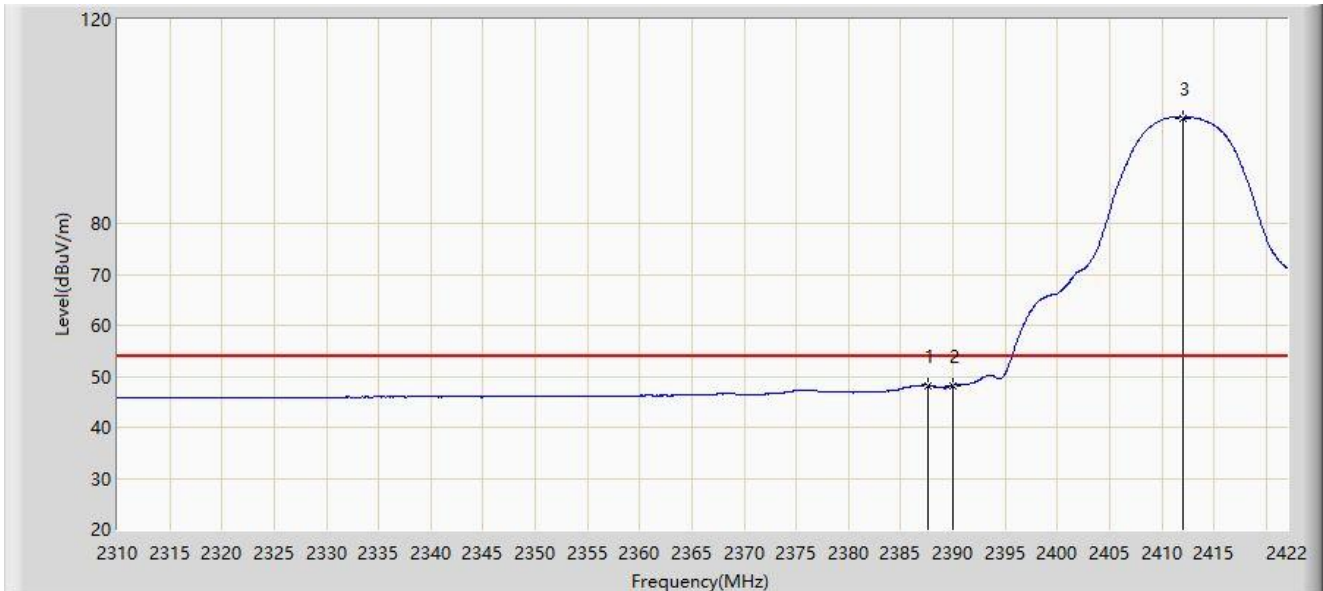


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2387.280	61.315	29.393	-12.685	74.000	31.922	PK
2			2390.000	59.886	27.947	-14.114	74.000	31.939	PK
3		*	2411.360	108.672	76.584	N/A	N/A	32.088	PK

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

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

Site: SIP-AC3	Time: 2022/03/09 - 22:06
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11b	

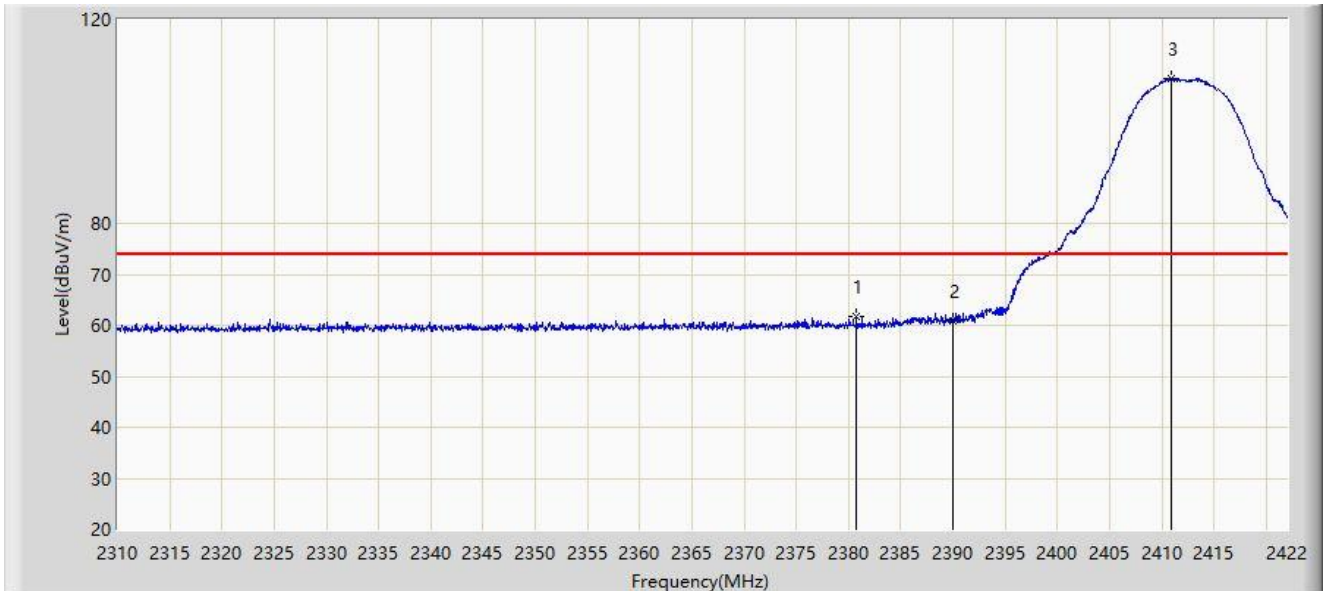


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2387.560	48.258	16.334	-5.742	54.000	31.924	AV
2			2390.000	48.188	16.249	-5.812	54.000	31.939	AV
3		*	2412.000	100.709	68.622	N/A	N/A	32.087	AV

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

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

Site: SIP-AC3	Time: 2022/03/09 - 21:47
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11b	

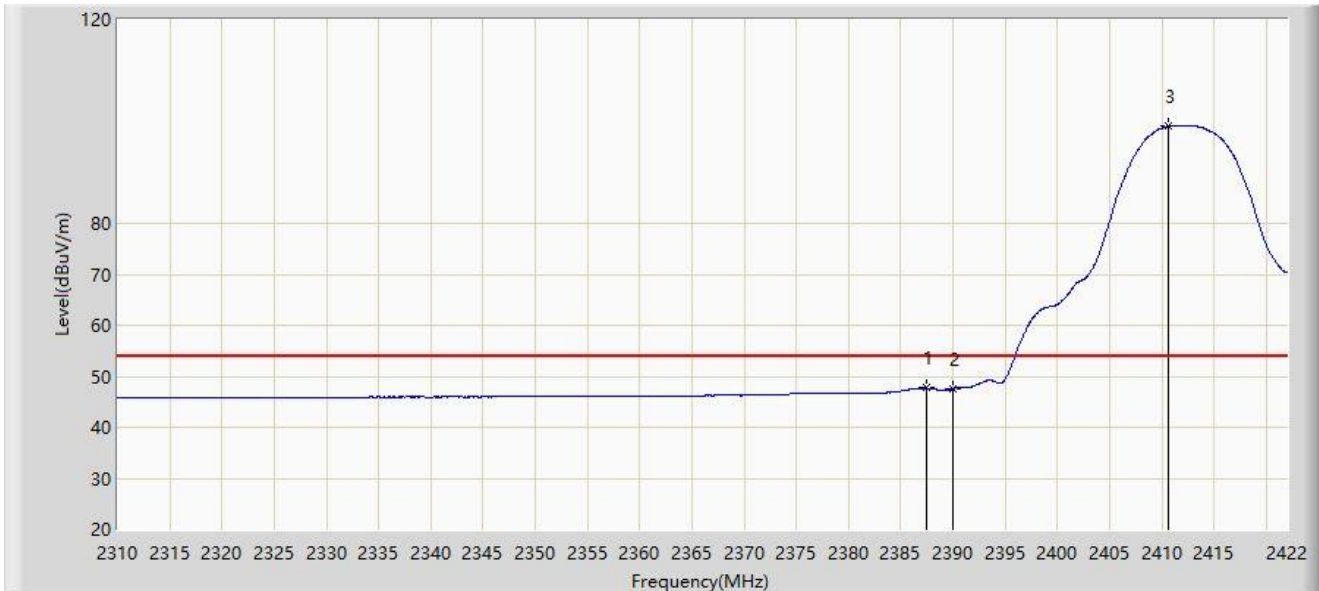


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2380.784	61.794	29.911	-12.206	74.000	31.883	PK
2			2390.000	60.836	28.897	-13.164	74.000	31.939	PK
3		*	2410.856	108.395	76.308	N/A	N/A	32.088	PK

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

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

Site: SIP-AC3	Time: 2022/03/09 - 21:59
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11b	

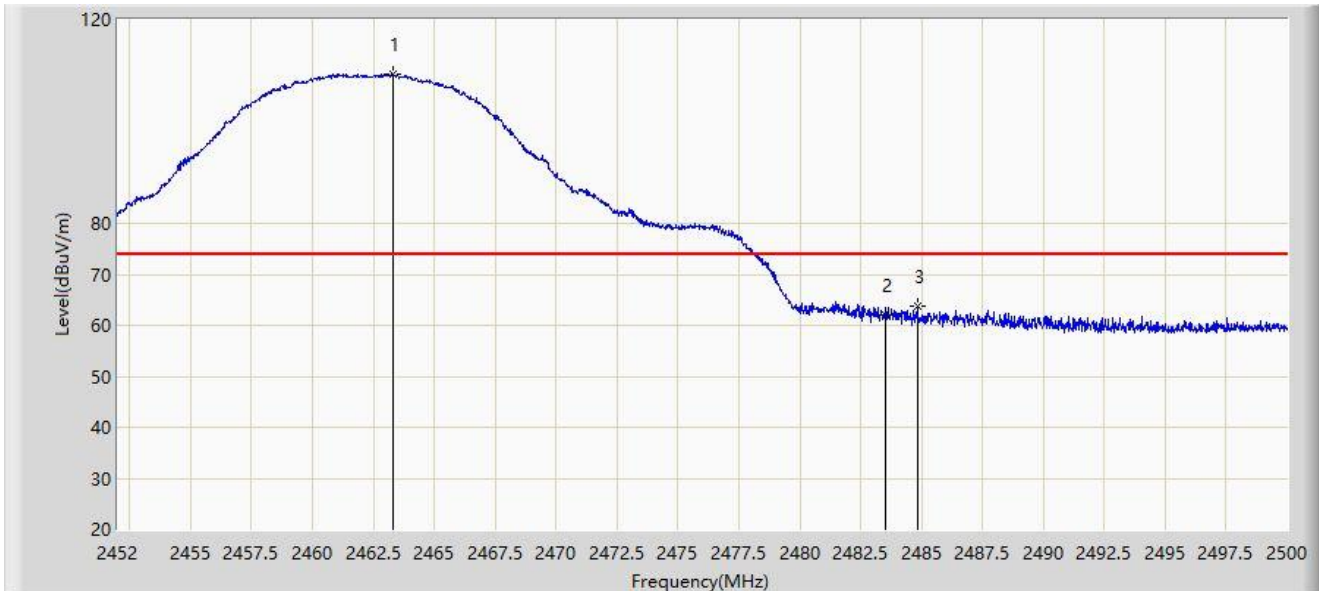


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2387.504	47.695	15.771	-6.305	54.000	31.924	AV
2			2390.000	47.606	15.667	-6.394	54.000	31.939	AV
3		*	2410.632	99.040	66.954	N/A	N/A	32.086	AV

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

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

Site: SIP-AC3	Time: 2022/03/09 - 22:20
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11b	

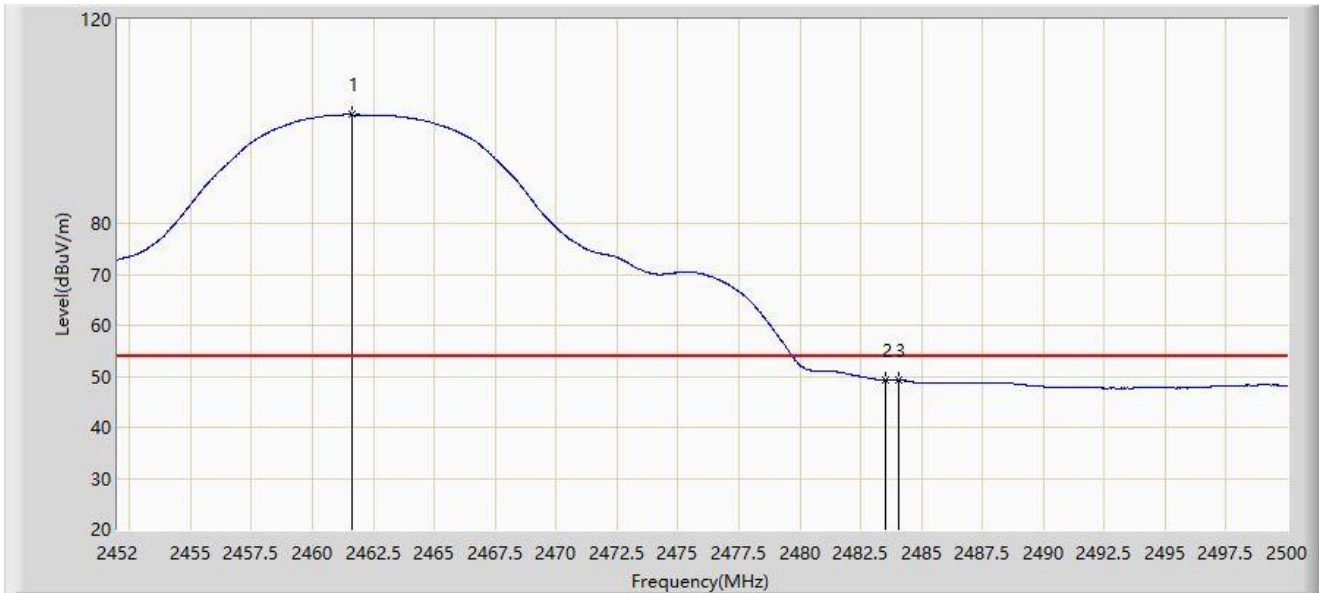


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2463.280	109.286	77.056	N/A	N/A	32.231	PK
2			2483.500	62.043	29.728	-11.957	74.000	32.315	PK
3			2484.832	63.692	31.370	-10.308	74.000	32.322	PK

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

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

Site: SIP-AC3	Time: 2022/03/09 - 22:24
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11b	

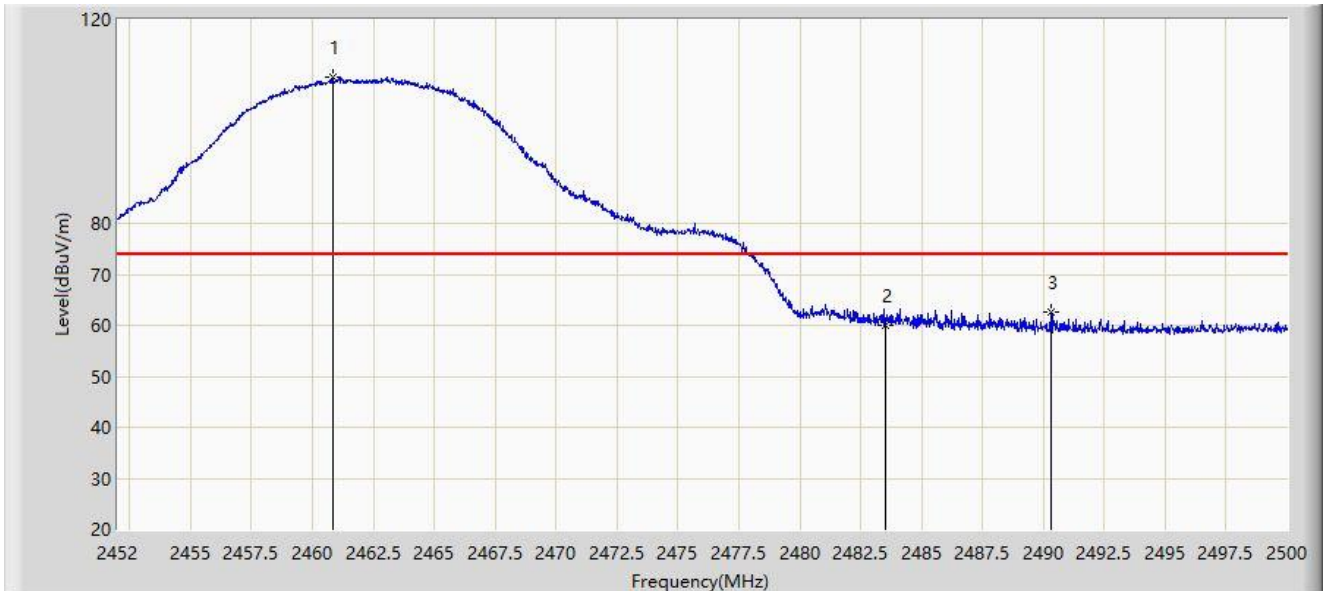


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2461.600	101.351	69.128	N/A	N/A	32.223	AV
2			2483.500	49.266	16.951	-4.734	54.000	32.315	AV
3			2484.040	49.314	16.996	-4.686	54.000	32.318	AV

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

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

Site: SIP-AC3	Time: 2022/03/09 - 22:08
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11b	

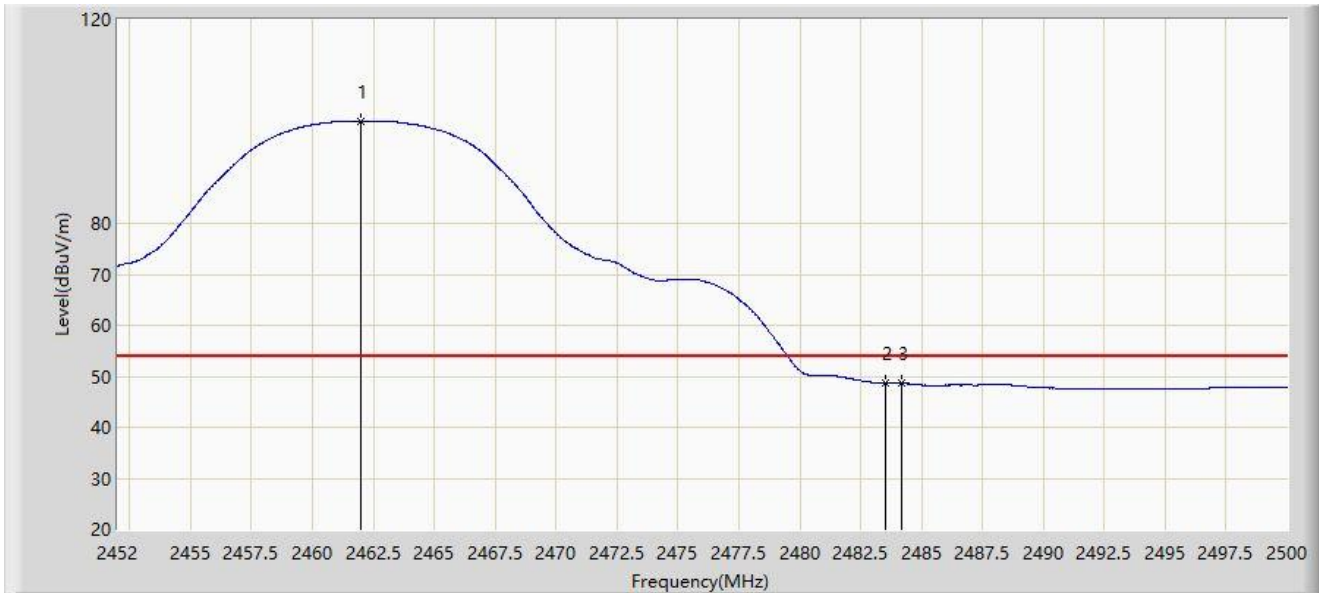


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2460.832	108.701	76.483	N/A	N/A	32.218	PK
2			2483.500	60.093	27.778	-13.907	74.000	32.315	PK
3			2490.328	62.744	30.395	-11.256	74.000	32.349	PK

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

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

Site: SIP-AC3	Time: 2022/03/09 - 22:19
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11b	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.000	99.911	67.686	N/A	N/A	32.225	AV
2			2483.500	48.631	16.316	-5.369	54.000	32.315	AV
3			2484.160	48.658	16.340	-5.342	54.000	32.318	AV

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

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

Site: SIP-AC3	Time: 2022/03/10 - 13:40
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11g	

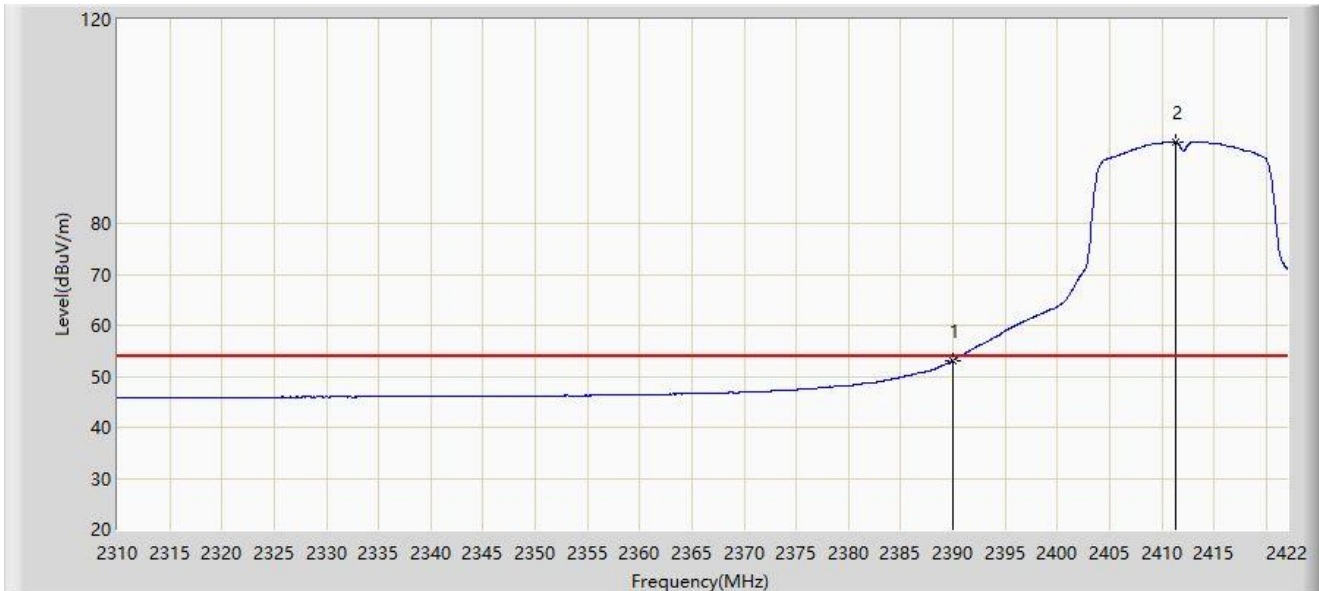


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2390.000	71.563	39.624	-2.437	74.000	31.939	PK
2		*	2411.024	104.037	71.949	N/A	N/A	32.088	PK

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

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

Site: SIP-AC3	Time: 2022/03/10 - 13:59
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11g	

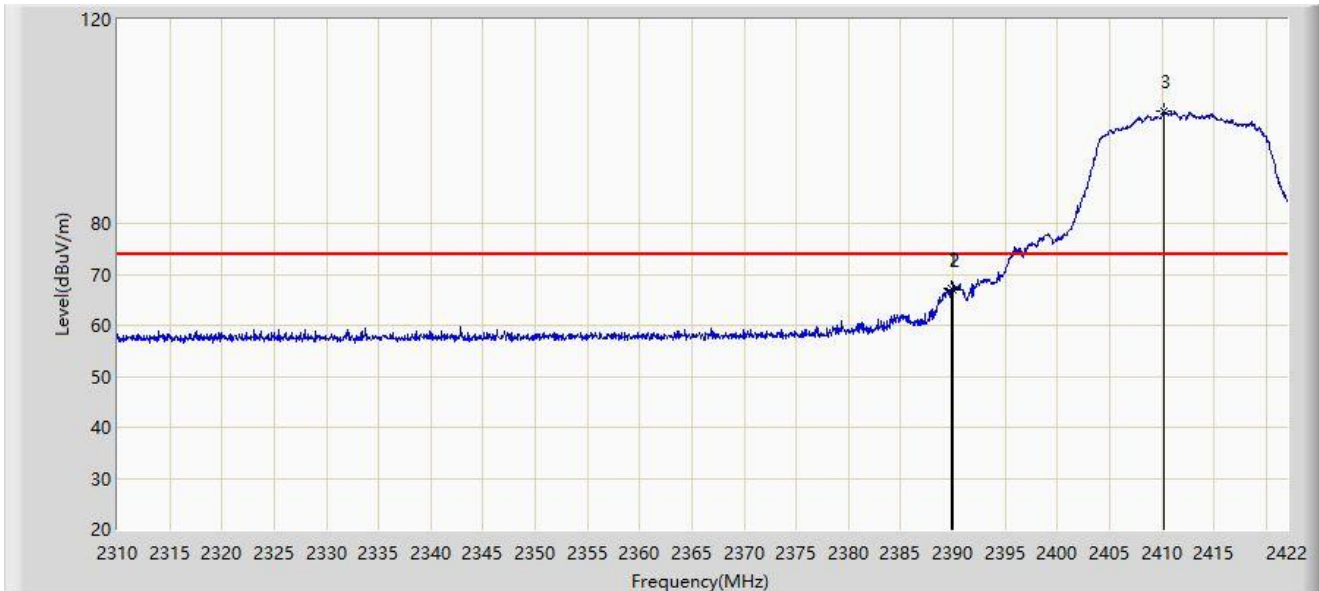


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2390.000	53.134	21.195	-0.866	54.000	31.939	AV
2		*	2411.304	95.965	63.877	N/A	N/A	32.088	AV

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

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

Site: SIP-AC3	Time: 2022/03/09 - 22:26
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11g	

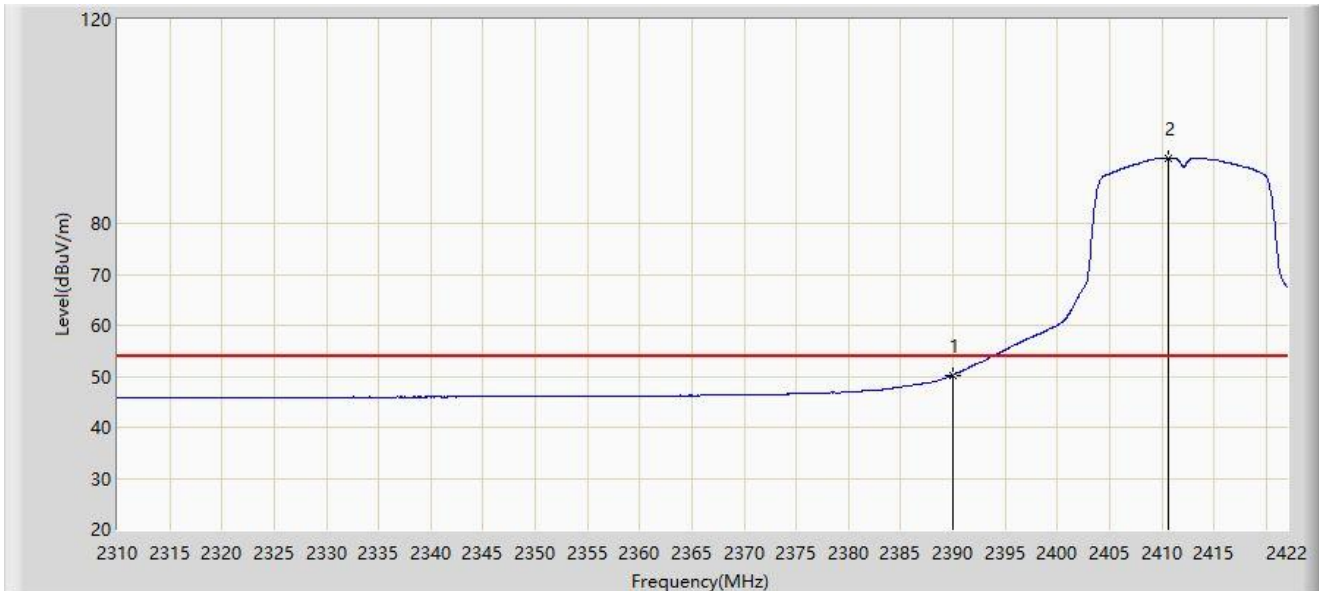


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2389.856	67.371	35.433	-6.629	74.000	31.938	PK
2			2390.000	66.946	35.007	-7.054	74.000	31.939	PK
3		*	2410.240	102.041	69.958	N/A	N/A	32.082	PK

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

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

Site: SIP-AC3	Time: 2022/03/09 - 22:31
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11g	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	50.268	18.329	-3.732	54.000	31.939	AV
2		*	2410.632	92.834	60.748	N/A	N/A	32.086	AV

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:25
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11g	

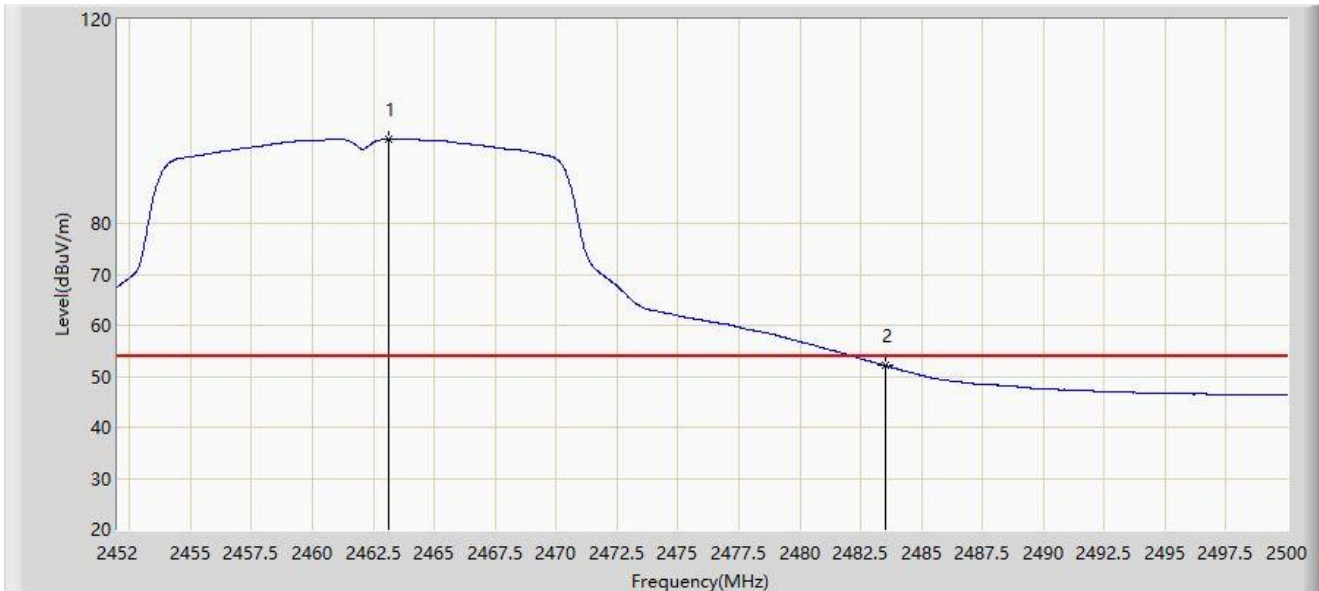


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2460.328	105.002	72.788	N/A	N/A	32.214	PK
2			2483.500	68.853	36.538	-5.147	74.000	32.315	PK
3			2483.560	69.062	36.747	-4.938	74.000	32.315	PK

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:21
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11g	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2463.136	96.560	64.330	N/A	N/A	32.230	AV
2			2483.500	52.149	19.834	-1.851	54.000	32.315	AV

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:28
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11g	

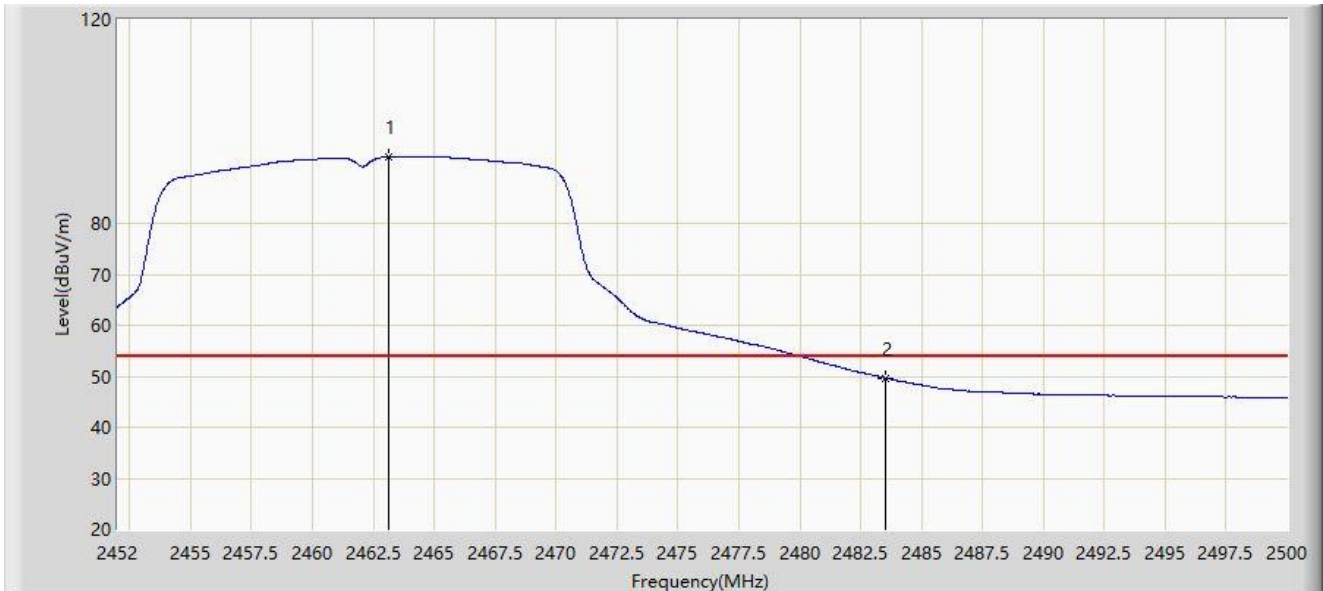


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2460.232	101.833	69.619	N/A	N/A	32.214	PK
2			2483.500	66.289	33.974	-7.711	74.000	32.315	PK
3			2483.536	66.878	34.563	-7.122	74.000	32.315	PK

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:31
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11g	

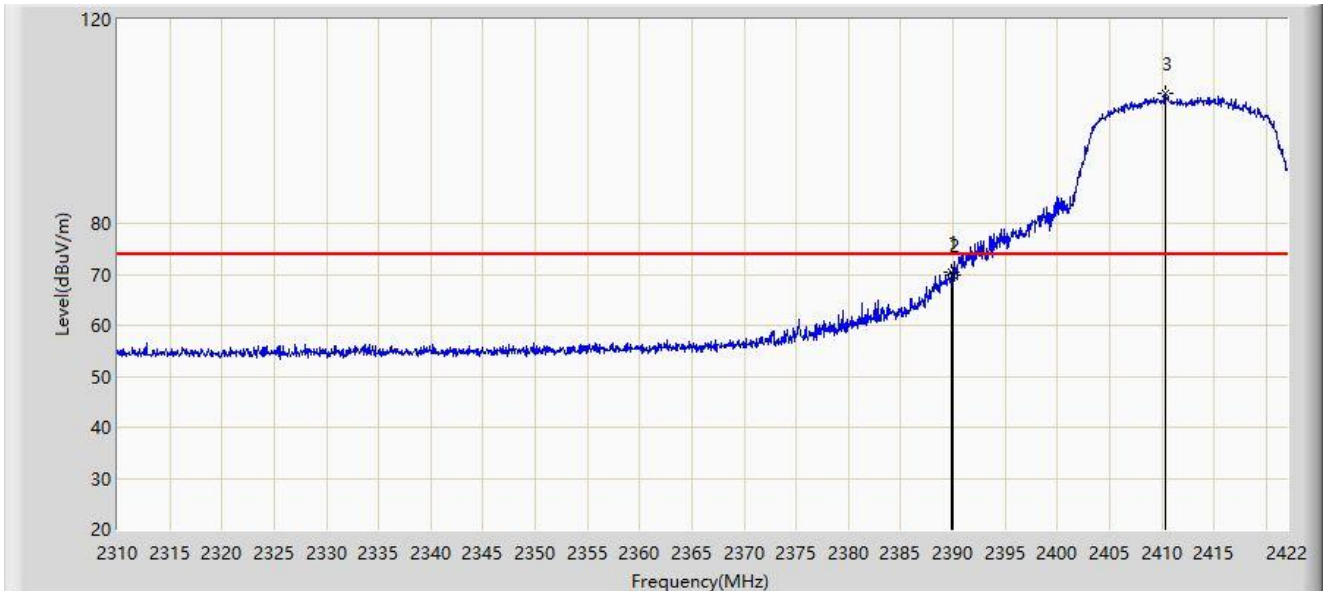


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2463.136	93.144	60.914	N/A	N/A	32.230	AV
2			2483.500	49.697	17.382	-4.303	54.000	32.315	AV

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:36
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11n-HT20	

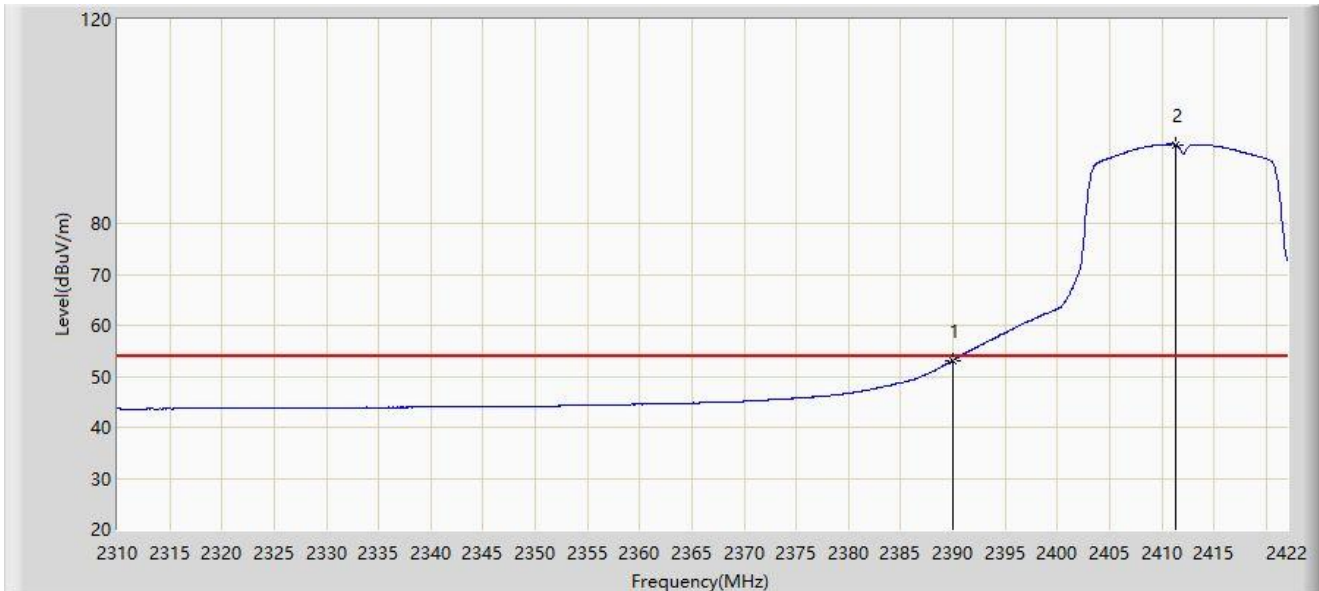


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2389.856	70.560	38.622	-3.440	74.000	31.938	PK
2			2390.000	69.871	37.932	-4.129	74.000	31.939	PK
3		*	2410.296	105.386	73.303	N/A	N/A	32.084	PK

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:47
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11n-HT20	

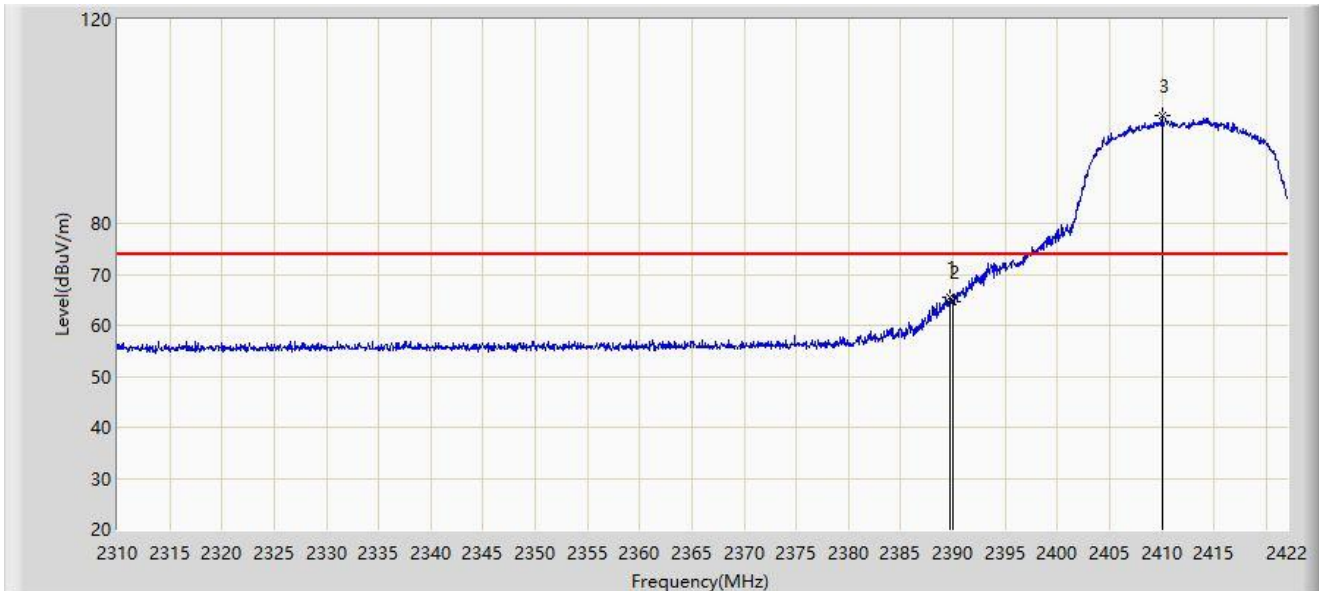


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2390.000	53.070	21.131	-0.930	54.000	31.939	AV
2		*	2411.304	95.403	63.315	N/A	N/A	32.088	AV

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:48
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11n-HT20	

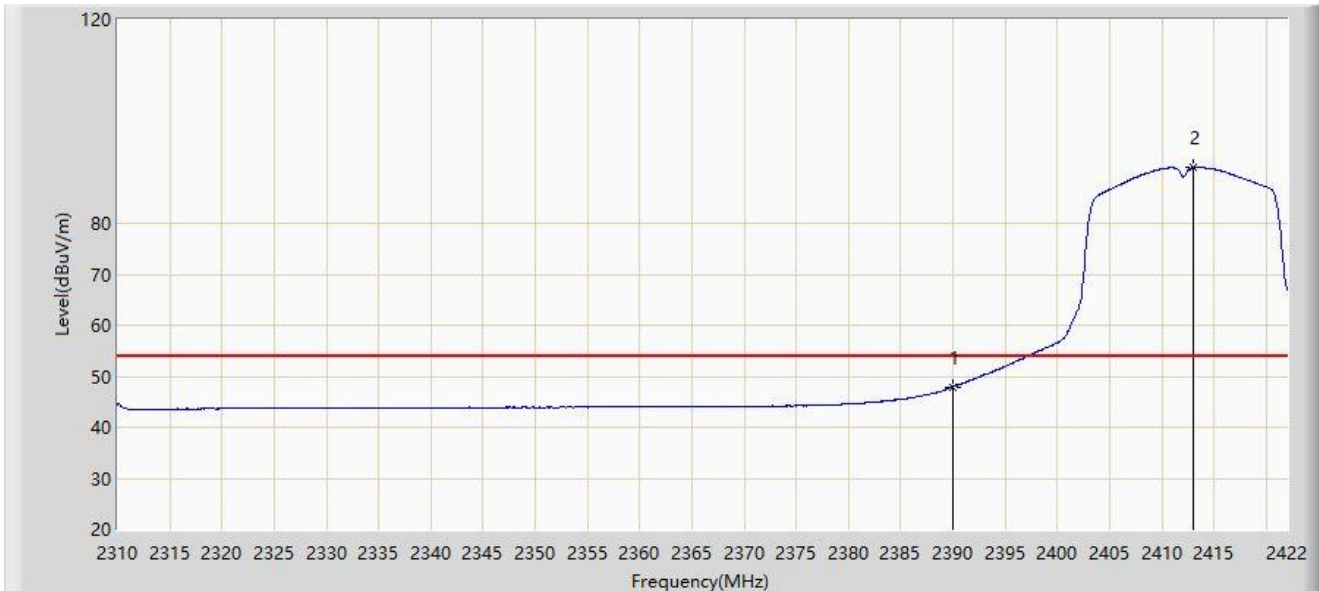


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2389.744	65.593	33.656	-8.407	74.000	31.938	PK
2			2390.000	64.722	32.783	-9.278	74.000	31.939	PK
3		*	2410.016	101.165	69.084	N/A	N/A	32.081	PK

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

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

Site: SIP-AC3	Time: 2022/03/10 - 15:54
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2412MHz by 802.11n-HT20	

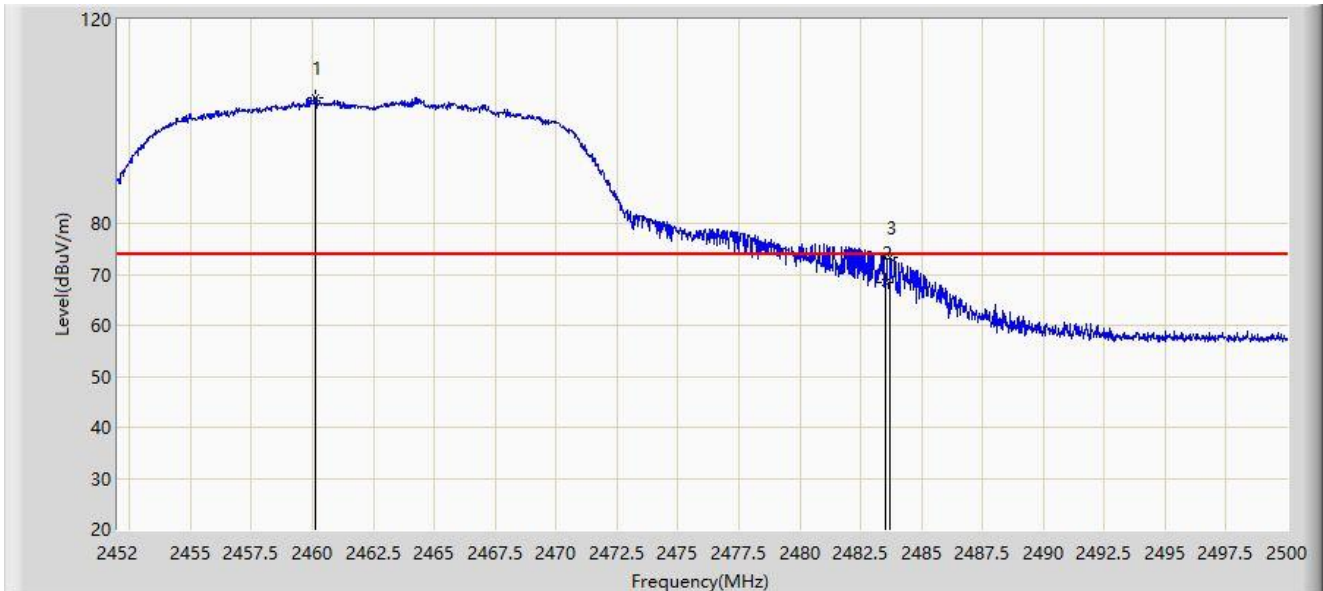


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			2390.000	47.959	16.020	-6.041	54.000	31.939	AV
2		*	2413.040	90.969	58.883	N/A	N/A	32.086	AV

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

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

Site: SIP-AC3	Time: 2022/03/10 - 16:13
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11n-HT20	

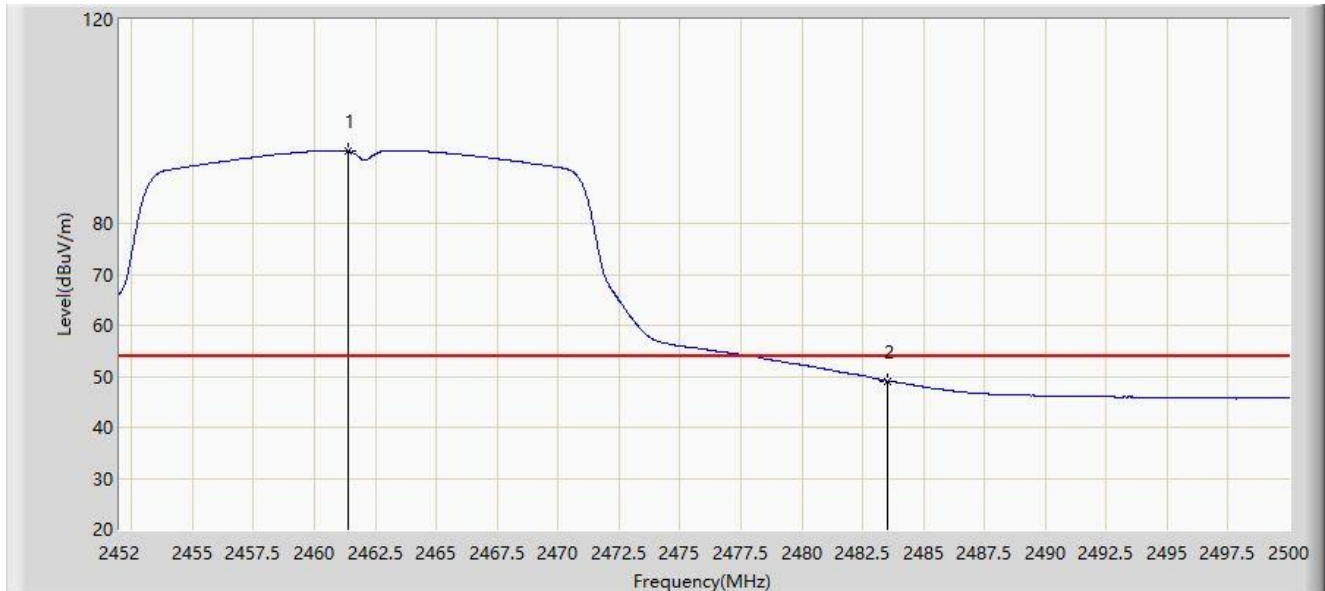


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2460.136	104.657	72.444	N/A	N/A	32.213	PK
2			2483.500	68.474	36.159	-5.526	74.000	32.315	PK
3			2483.704	73.424	41.108	-0.576	74.000	32.316	PK

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

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

Site: SIP-AC3	Time: 2022/03/10 - 16:17
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11n-HT20	

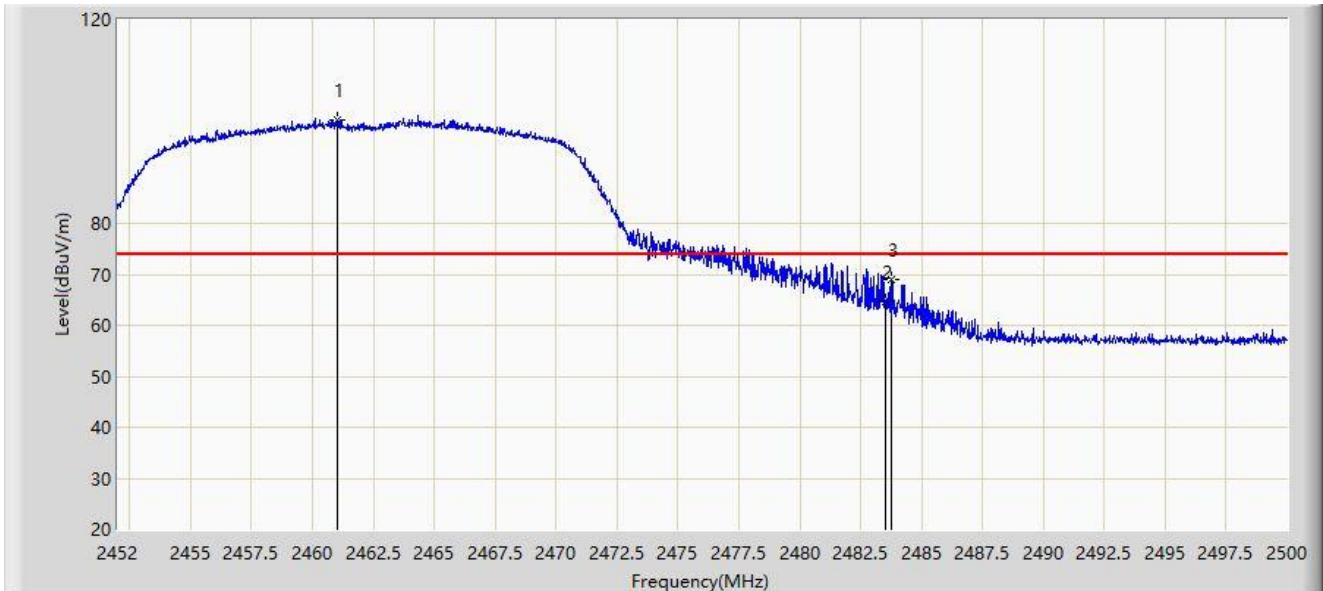


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2461.384	94.124	61.903	N/A	N/A	32.221	AV
2			2483.500	49.115	16.800	-4.885	54.000	32.315	AV

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

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

Site: SIP-AC3	Time: 2022/03/10 - 16:18
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11n-HT20	

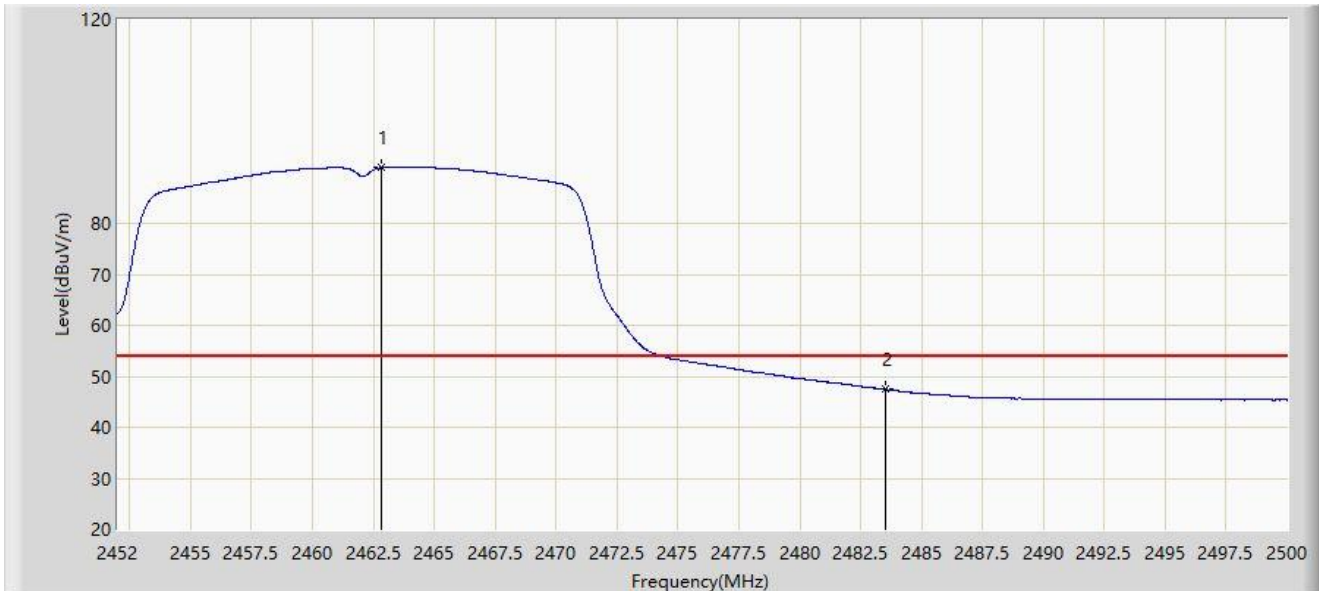


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2461.000	100.380	68.161	N/A	N/A	32.218	PK
2			2483.500	64.774	32.459	-9.226	74.000	32.315	PK
3			2483.752	68.922	36.606	-5.078	74.000	32.317	PK

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

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

Site: SIP-AC3	Time: 2022/03/10 - 16:21
Limit: FCC_Part15_Band Edge(3m)	Engineer: Allen Zou
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit at 2462MHz by 802.11n-HT20	



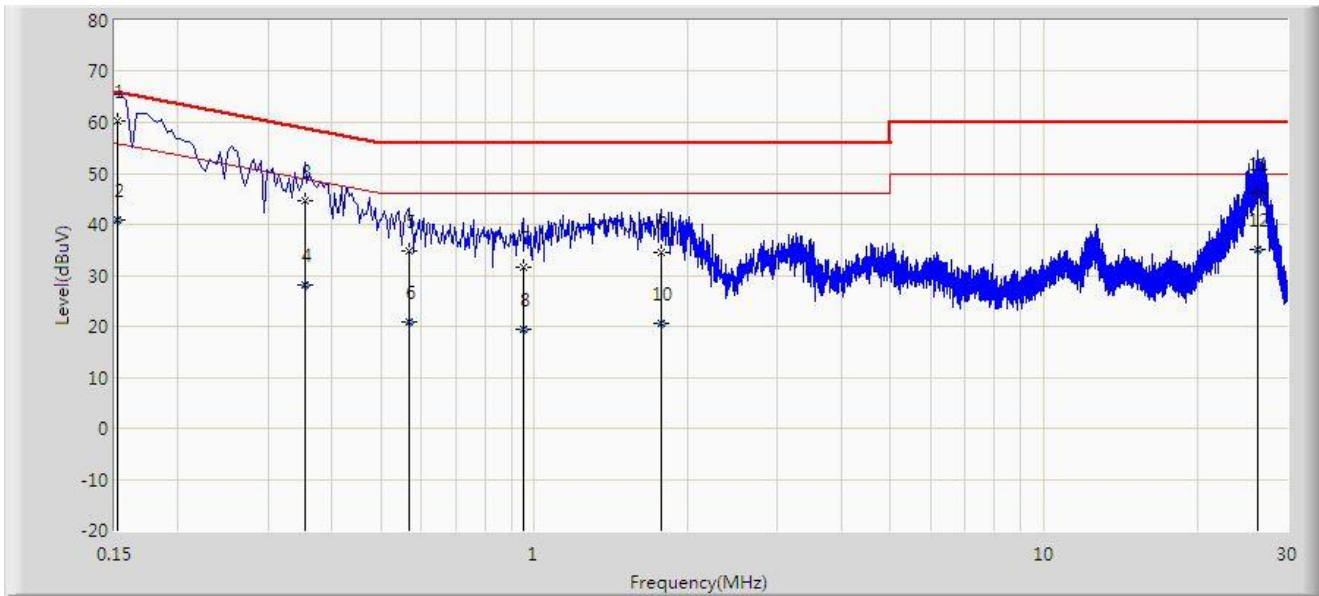
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2462.848	90.970	58.742	N/A	N/A	32.228	AV
2			2483.500	47.415	15.100	-6.585	54.000	32.315	AV

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

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

A.8 AC Conducted Emissions Test Result

Site: SIP-SR2	Time: 2022/03/11 - 15:03
Limit: FCC_Part15.207_CE_AC Power	Engineer: Augleo Wang
Probe: SIP-SR2-ENV216_101684_E	Polarity: Line
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

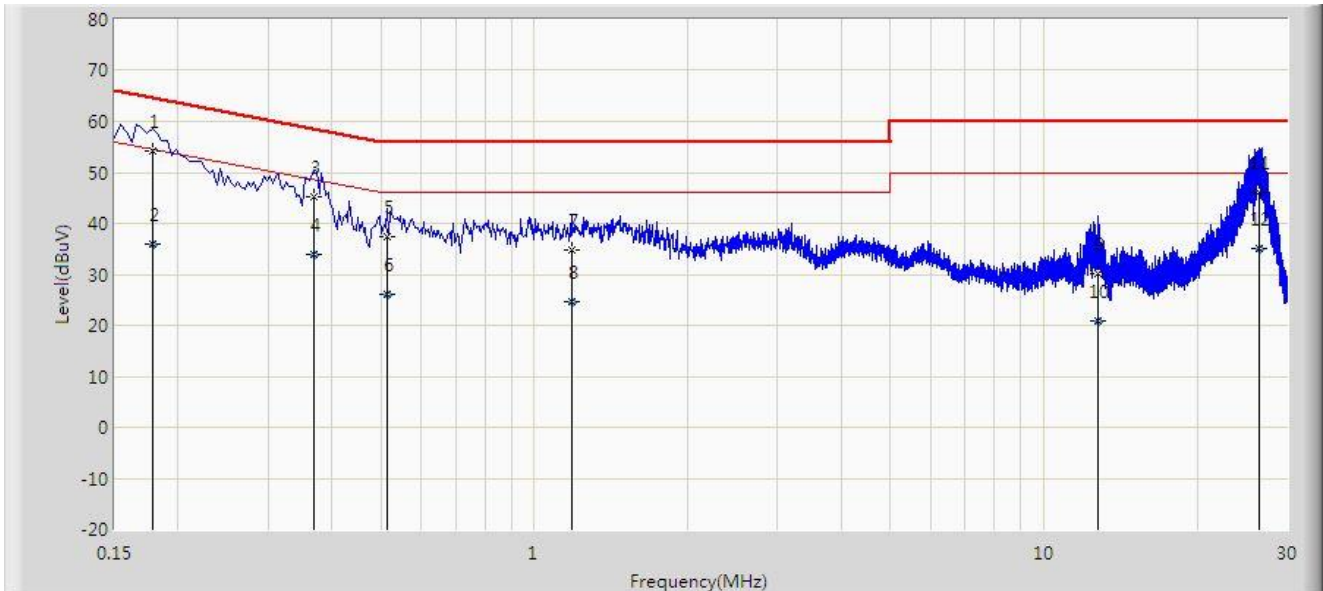


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		*	0.152	60.336	50.600	-5.554	65.890	9.736	QP
2			0.152	40.736	31.000	-15.154	55.890	9.736	AV
3			0.354	44.750	34.937	-14.119	58.868	9.813	QP
4			0.354	28.232	18.420	-20.636	48.868	9.813	AV
5			0.566	34.694	24.863	-21.306	56.000	9.831	QP
6			0.566	20.932	11.101	-25.068	46.000	9.831	AV
7			0.950	31.729	21.883	-24.271	56.000	9.847	QP
8			0.950	19.423	9.576	-26.577	46.000	9.847	AV
9			1.770	34.421	24.498	-21.579	56.000	9.923	QP
10			1.770	20.535	10.612	-25.465	46.000	9.923	AV
11			26.326	46.212	32.388	-13.788	60.000	13.823	QP
12			26.326	35.037	21.214	-14.963	50.000	13.823	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SIP-SR2	Time: 2022/03/11 - 15:09
Limit: FCC_Part15.207_CE_AC Power	Engineer: Augleo Wang
Probe: SIP-SR2-ENV216_101684_E	Polarity: Neutral
EUT: AltumView Sentinare 2 Smart Activity Sensor	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		*	0.178	54.208	44.474	-10.370	64.578	9.734	QP
2			0.178	35.974	26.240	-18.605	54.578	9.734	AV
3			0.370	45.176	35.366	-13.325	58.501	9.810	QP
4			0.370	33.915	24.105	-14.586	48.501	9.810	AV
5			0.514	37.500	27.679	-18.500	56.000	9.821	QP
6			0.514	26.055	16.235	-19.945	46.000	9.821	AV
7			1.182	34.704	24.833	-21.296	56.000	9.871	QP
8			1.182	24.592	14.721	-21.408	46.000	9.871	AV
9			12.766	30.285	18.811	-29.715	60.000	11.474	QP
10			12.766	20.989	9.515	-29.011	50.000	11.474	AV
11			26.370	46.093	32.360	-13.907	60.000	13.733	QP
12			26.370	35.151	21.418	-14.849	50.000	13.733	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Appendix B – Test Setup Photograph

Refer to “2202RSU032-UT” file.

Appendix C – EUT Photograph

Refer to “2202RSU032-UE” file.