

Site: SIP-AC3	Time: 2022/03/11 - 10:49
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 5180MHz by 802.11n-HT20	

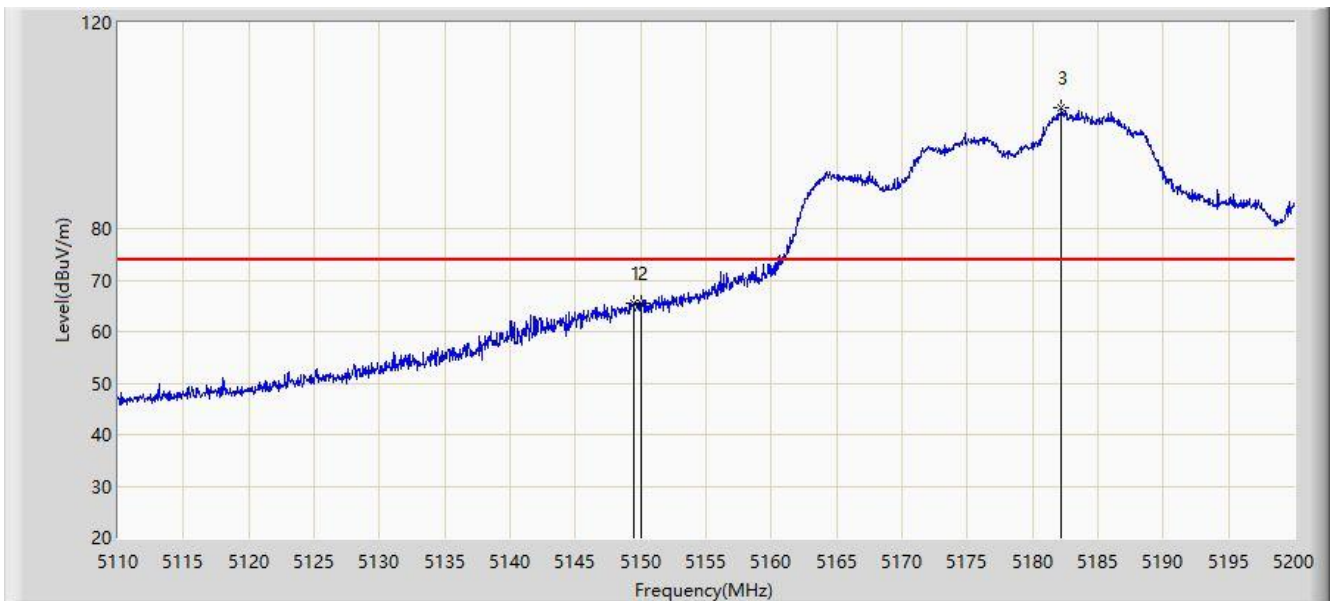


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5149.915	52.039	54.530	-1.961	54.000	-2.491	AV
2			5150.000	51.628	54.089	-2.372	54.000	-2.462	AV
3		*	5182.090	93.783	55.468	N/A	N/A	38.314	AV

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)

Site: SIP-AC3	Time: 2022/03/11 - 10:53
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 5180MHz by 802.11n-HT20	

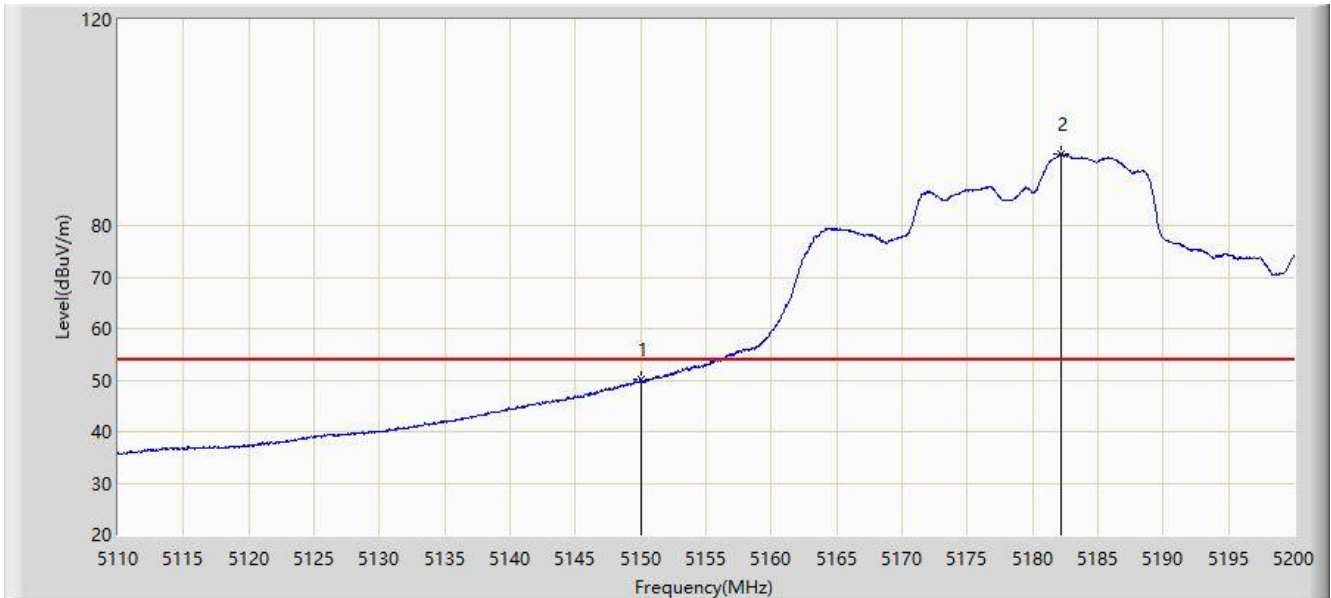


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5149.420	65.575	68.216	-8.425	74.000	-2.641	PK
2			5150.000	65.469	67.930	-8.531	74.000	-2.462	PK
3		*	5182.225	103.461	65.246	N/A	N/A	38.215	PK

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)

Site: SIP-AC3	Time: 2022/03/11 - 10:59
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 5180MHz by 802.11n-HT20	

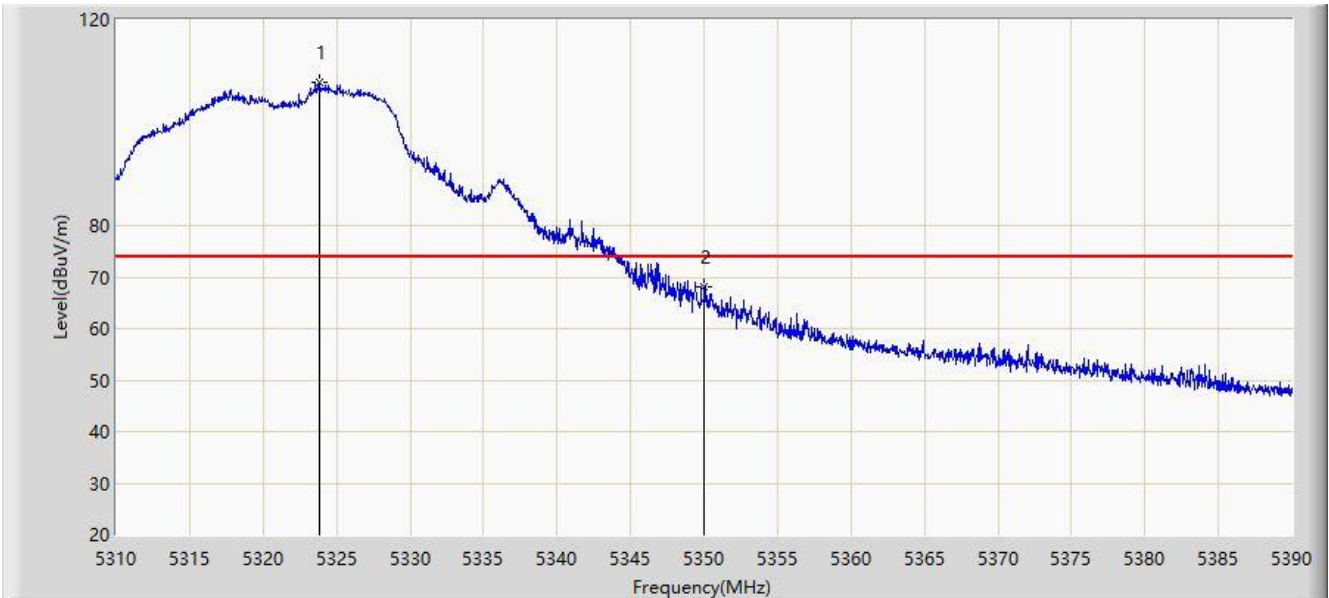


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			5150.000	50.082	52.543	-3.918	54.000	-2.462	AV
2		*	5182.180	93.835	55.552	N/A	N/A	38.283	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: SIP-AC3	Time: 2022/03/11 - 11:08
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 5320MHz by 802.11n-HT20	

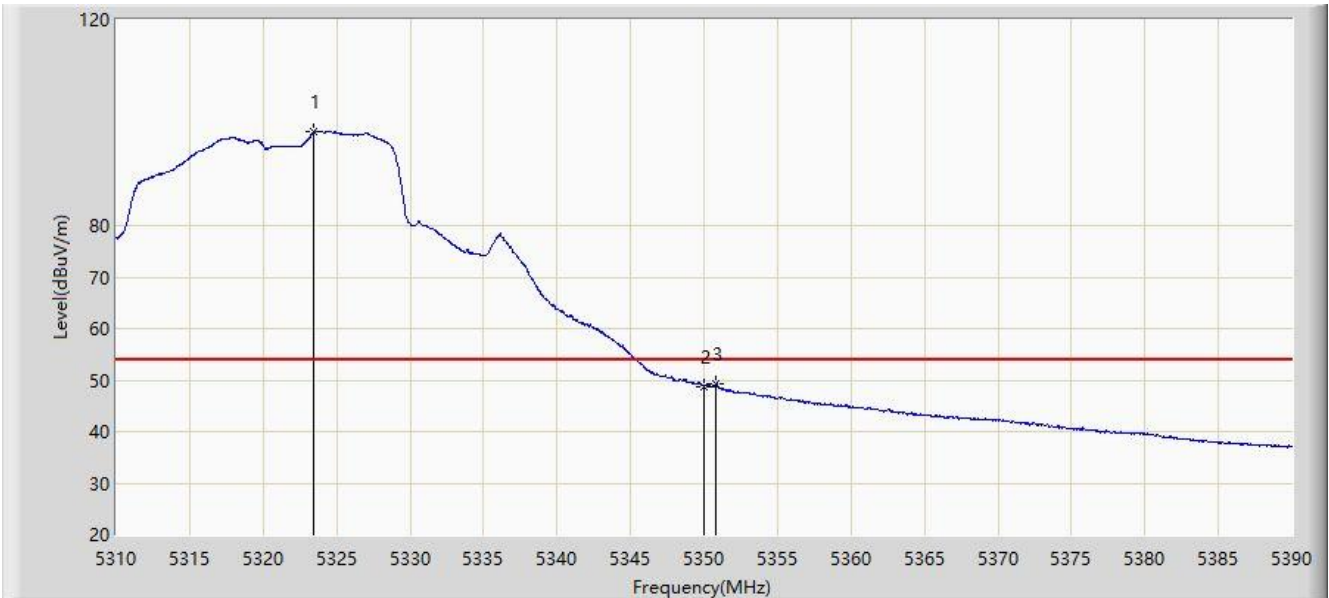


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5323.880	107.954	66.871	N/A	N/A	41.083	PK
2			5350.000	68.239	69.621	-5.761	74.000	-1.382	PK

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)

Site: SIP-AC3	Time: 2022/03/11 - 11:12
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 5320MHz by 802.11n-HT20	

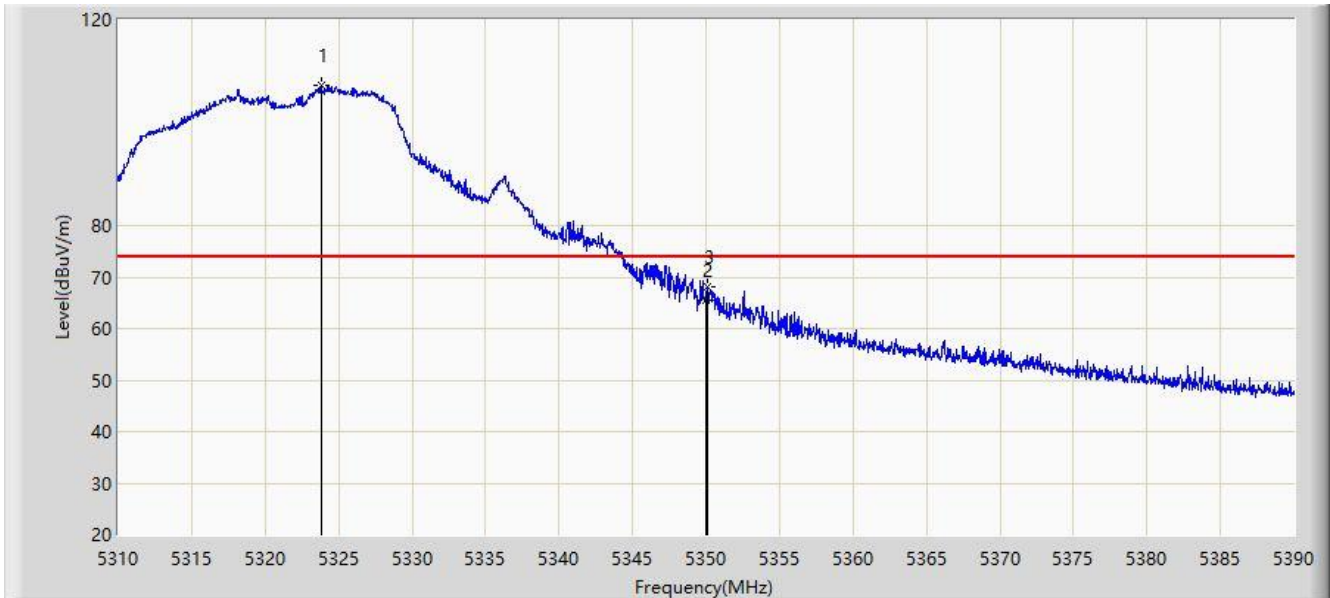


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5323.480	98.234	56.744	N/A	N/A	41.491	AV
2			5350.000	48.769	50.151	-5.231	54.000	-1.382	AV
3			5350.840	49.295	51.099	-4.705	54.000	-1.805	AV

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)

Site: SIP-AC3	Time: 2022/03/11 - 11:13
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 5320MHz by 802.11n-HT20	

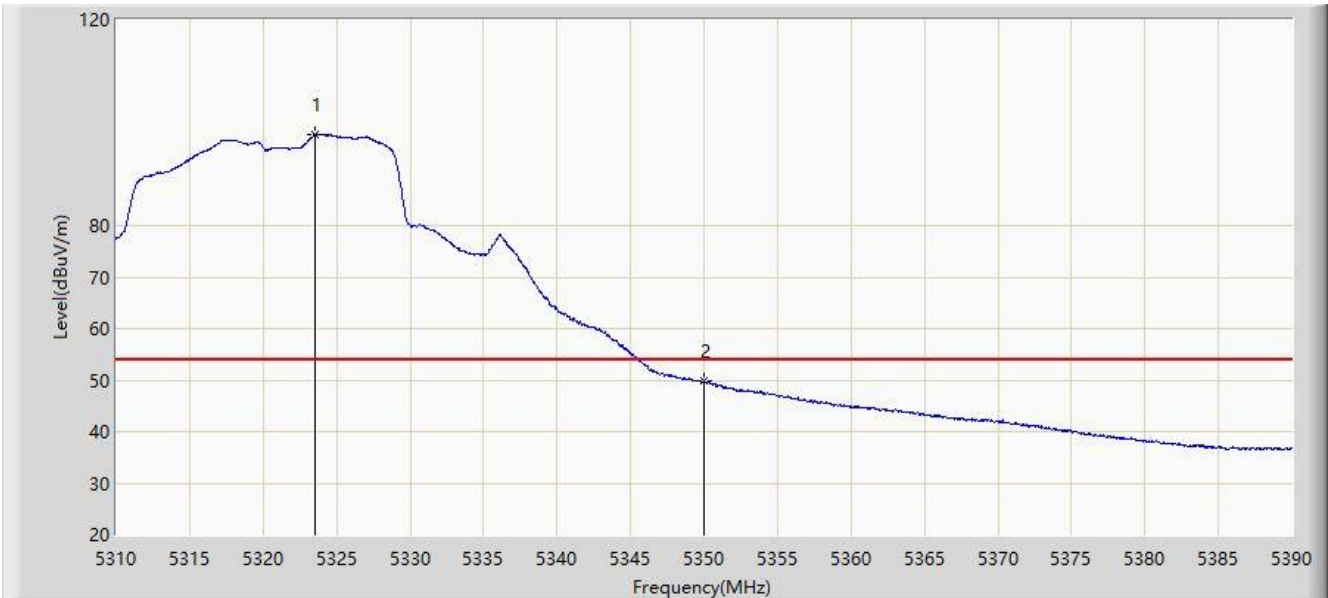


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5323.800	107.231	66.052	N/A	N/A	41.179	PK
2			5350.000	65.582	66.964	-8.418	74.000	-1.382	PK
3			5350.080	68.164	69.575	-5.836	74.000	-1.411	PK

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)

Site: SIP-AC3	Time: 2022/03/11 - 11:18
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 5320MHz by 802.11n-HT20	

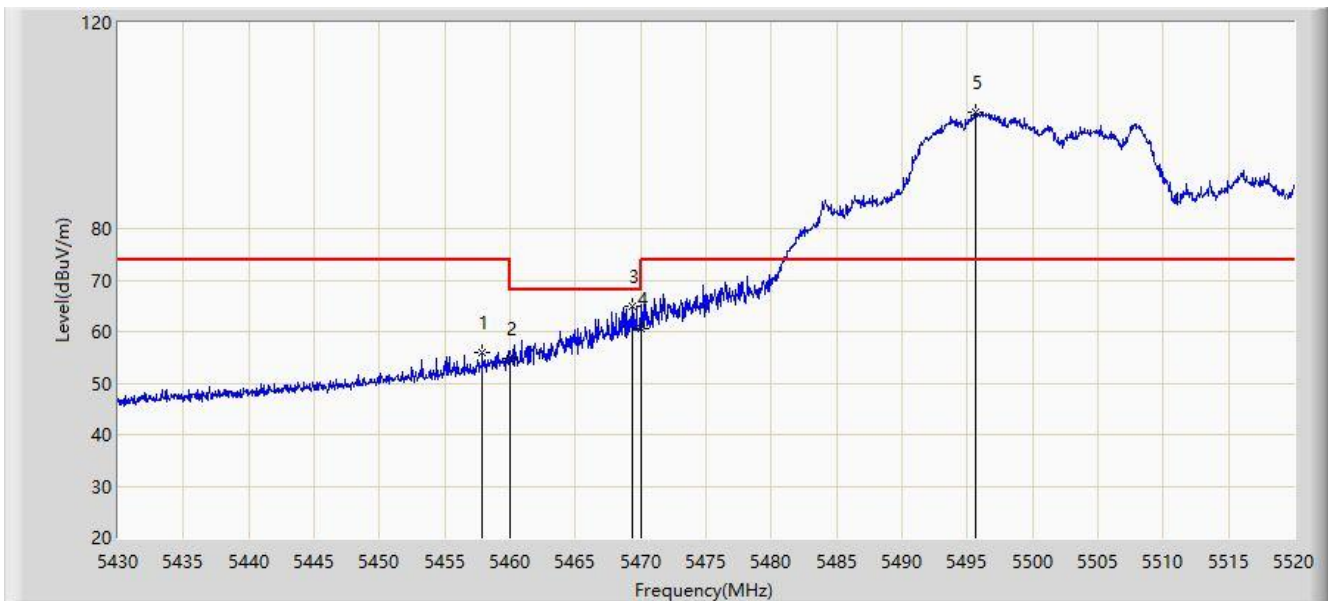


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5323.520	97.622	56.110	N/A	N/A	41.512	AV
2			5350.000	49.715	51.097	-4.285	54.000	-1.382	AV

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)

Site: SIP-AC3	Time: 2022/03/11 - 11:54
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 5500MHz by 802.11n-HT20	



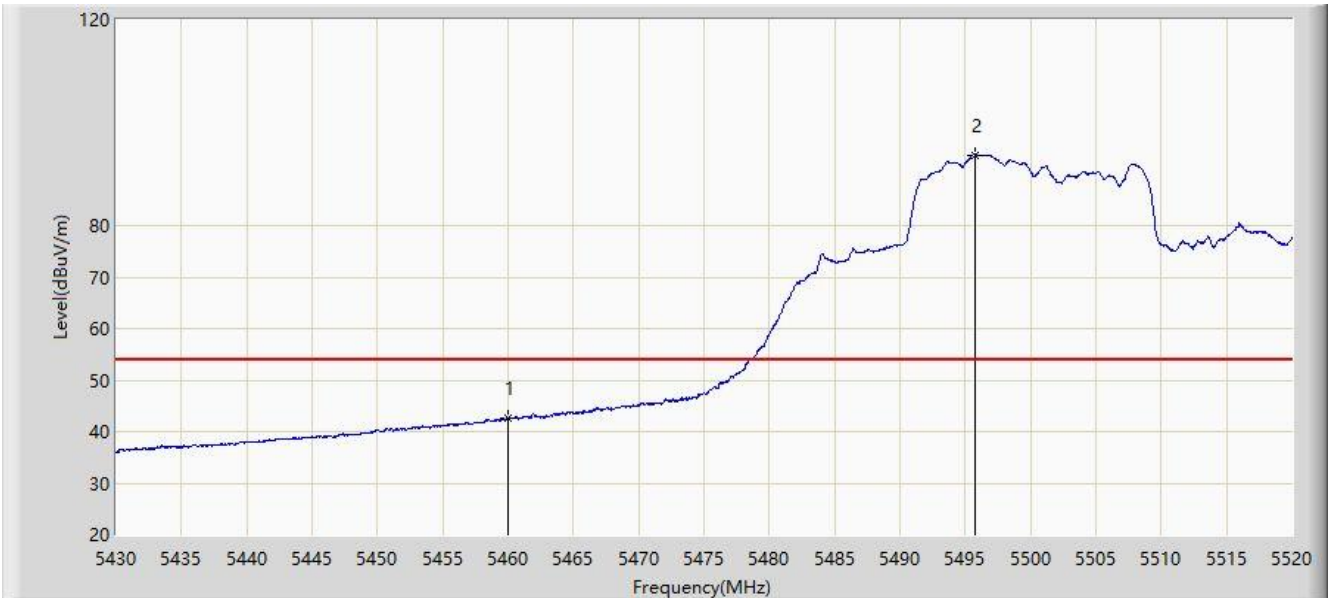
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5457.855	55.970	59.864	-18.030	74.000	-3.895	PK
2			5460.000	54.911	58.749	-19.089	74.000	-3.838	PK
3			5469.330	64.938	66.944	-3.262	68.200	-2.006	PK
4			5470.000	60.438	62.200	-7.762	68.200	-1.762	PK
5		*	5495.610	102.665	63.735	N/A	N/A	38.930	PK

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)



Site: SIP-AC3	Time: 2022/03/11 - 11:55
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 5500MHz by 802.11n-HT20	

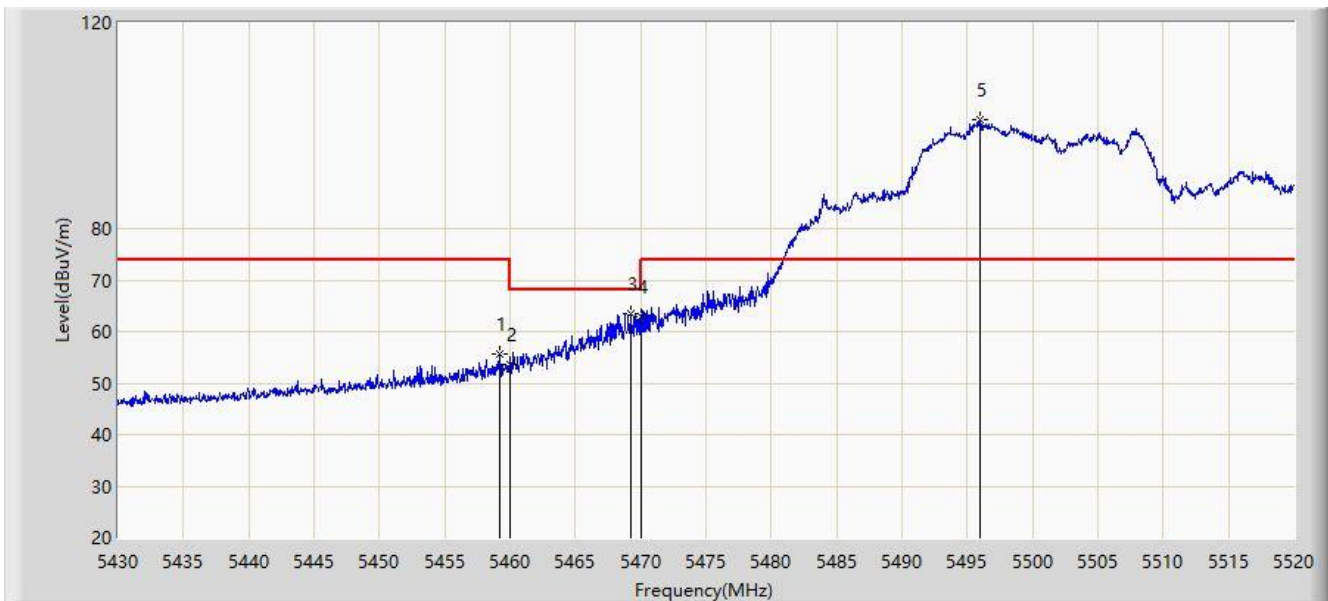


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5460.000	42.527	46.365	-11.473	54.000	-3.838	AV
2		*	5495.745	93.768	55.001	N/A	N/A	38.767	AV

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)

Site: SIP-AC3	Time: 2022/03/11 - 13:07
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 5500MHz by 802.11n-HT20	

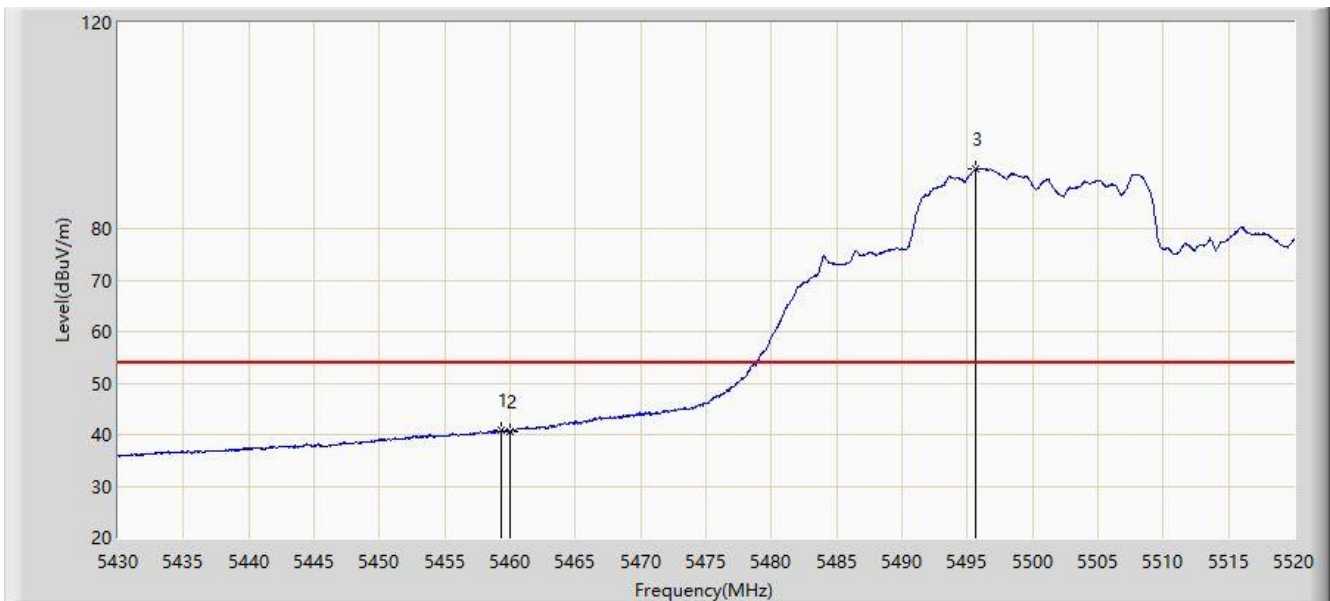


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			5459.160	55.674	59.423	-18.326	74.000	-3.750	PK
2			5460.000	53.727	57.565	-20.273	74.000	-3.838	PK
3			5469.195	63.537	65.656	-4.663	68.200	-2.119	PK
4			5470.000	63.013	64.775	-5.187	68.200	-1.762	PK
5		*	5496.015	101.070	62.626	N/A	N/A	38.444	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: SIP-AC3	Time: 2022/03/11 - 13:12
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 5500MHz by 802.11n-HT20	

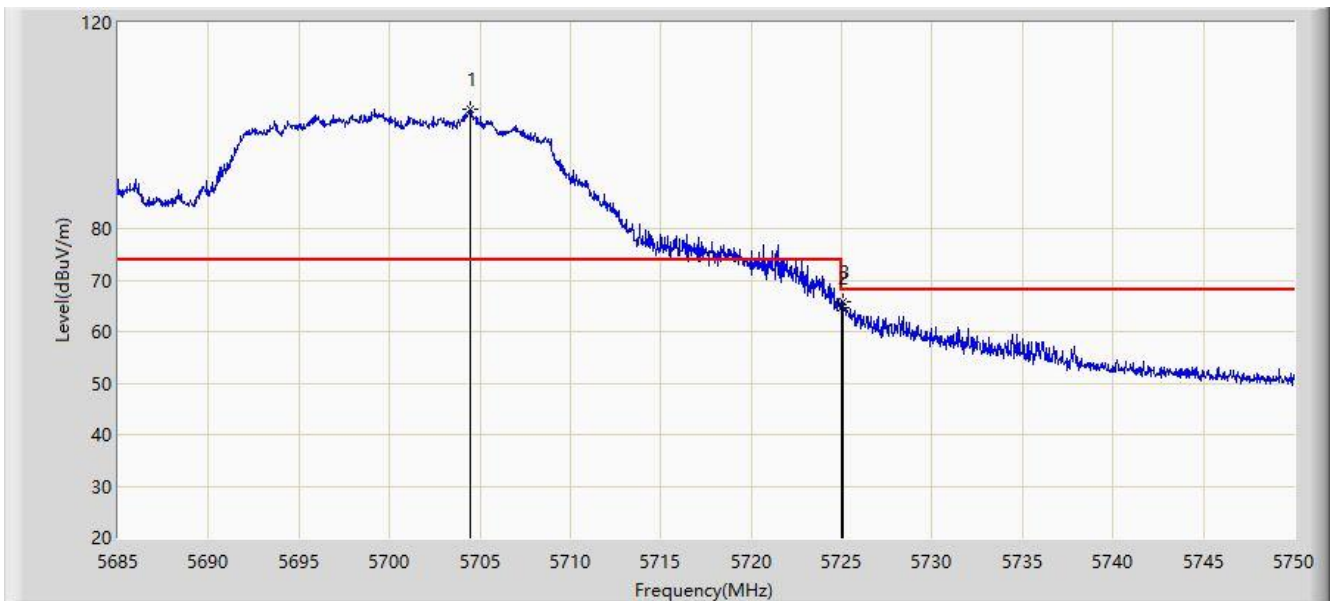


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			5459.340	40.832	44.580	-13.168	54.000	-3.748	AV
2			5460.000	40.575	44.413	-13.425	54.000	-3.838	AV
3		*	5495.655	91.603	52.727	N/A	N/A	38.876	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: SIP-AC3	Time: 2022/03/11 - 13:36
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 5700MHz by 802.11n-HT20	

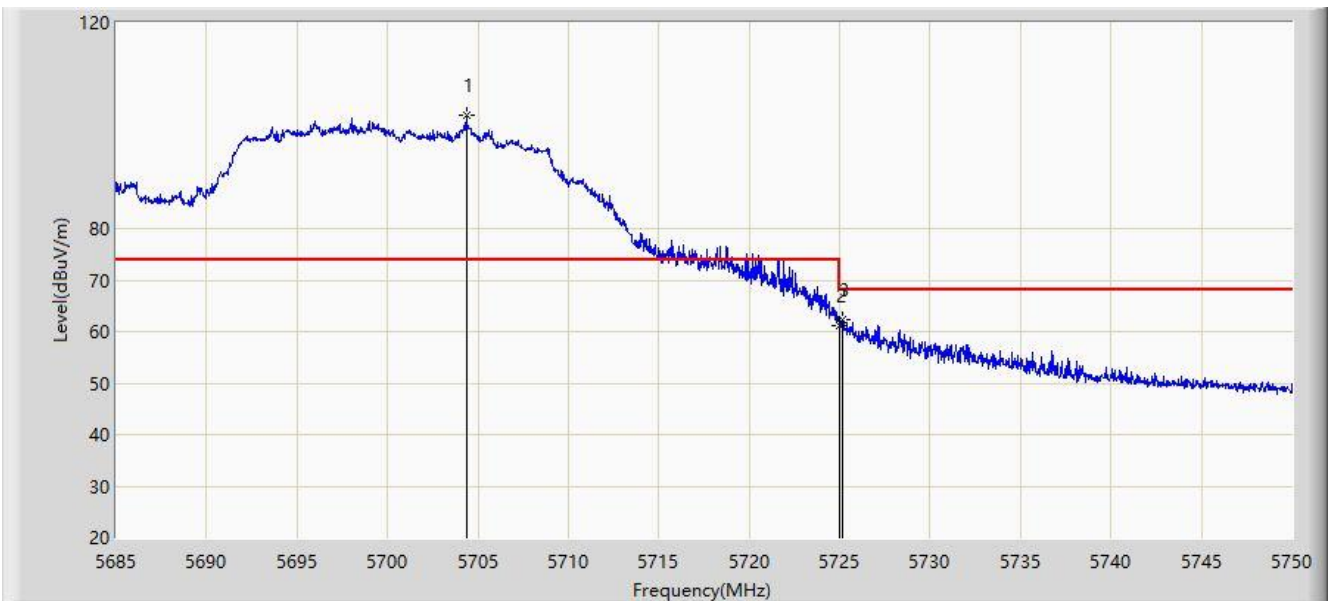


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5704.435	103.131	62.847	N/A	N/A	40.284	PK
2			5725.000	64.668	64.635	-3.532	68.200	0.032	PK
3			5725.040	65.661	65.671	-2.539	68.200	-0.011	PK

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)

Site: SIP-AC3	Time: 2022/03/11 - 13:39
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 5700MHz by 802.11n-HT20	

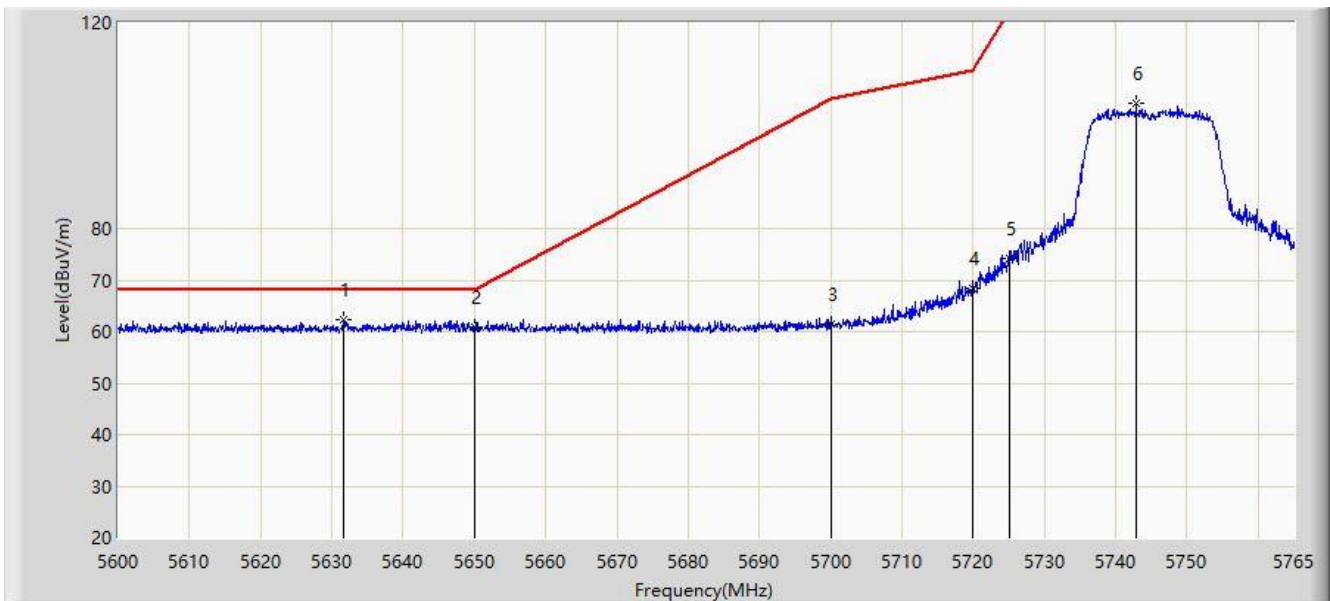


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1		*	5704.370	102.083	61.788	N/A	N/A	40.296	PK
2			5725.000	61.091	61.058	-7.109	68.200	0.032	PK
3			5725.170	62.346	62.495	-5.854	68.200	-0.150	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: SIP-AC3	Time: 2022/03/11 - 13:59
Limit: FCC_Part15.407_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 5745MHz by 802.11n-HT20	

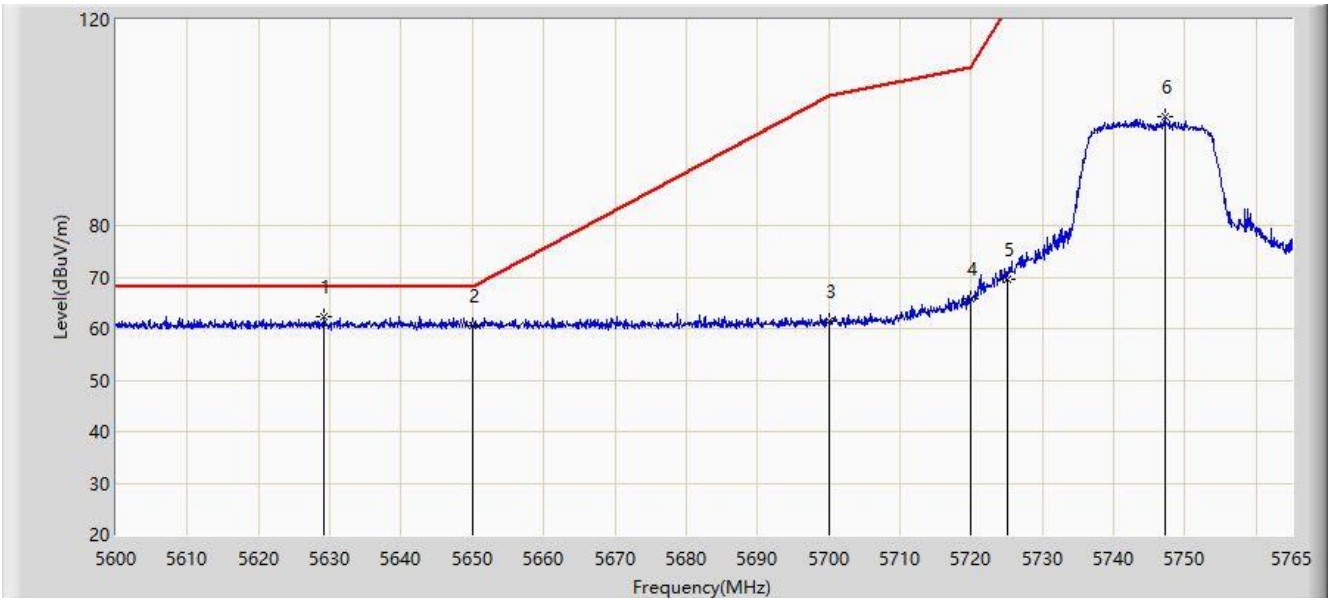


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5631.680	62.293	71.115	-5.907	68.200	-8.821	PK
2			5650.000	60.735	69.564	-7.465	68.200	-8.829	PK
3			5700.000	61.565	70.428	-43.635	105.200	-8.863	PK
4			5720.000	68.397	77.204	-42.403	110.800	-8.807	PK
5			5725.000	74.302	83.073	-47.898	122.200	-8.771	PK
6			5742.890	104.318	113.275	N/A	N/A	-8.956	PK

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)

Site: SIP-AC3	Time: 2022/03/11 - 14:07
Limit: FCC_Part15.407_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 5745MHz by 802.11n-HT20	

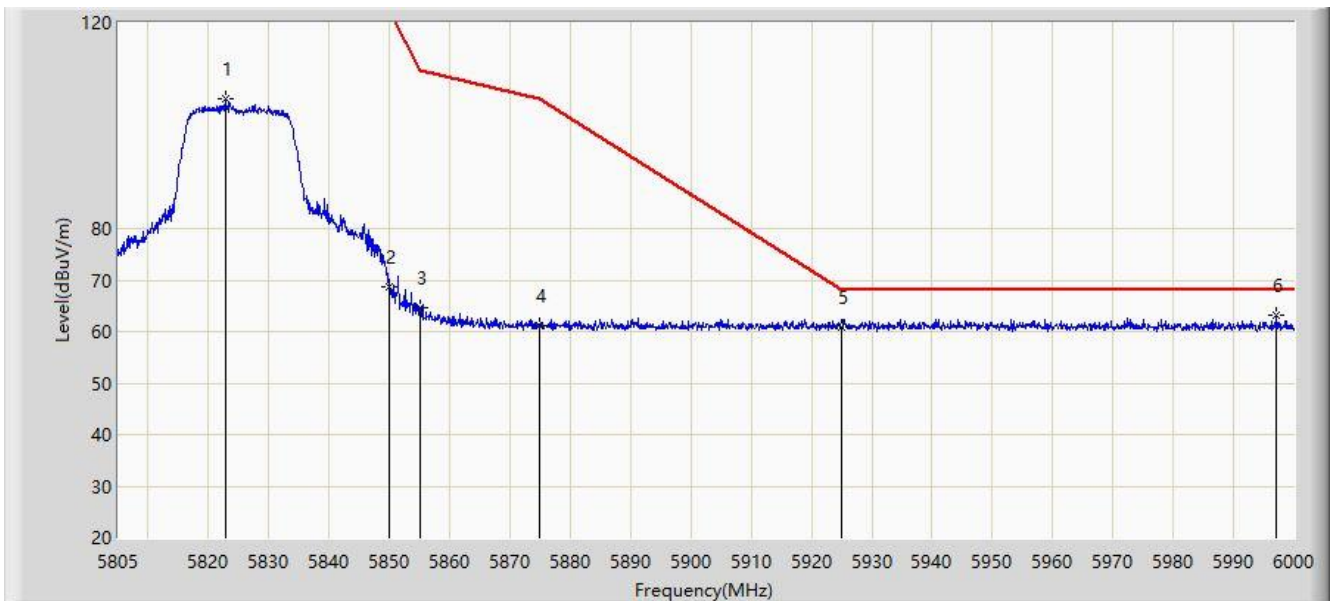


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	5629.205	62.227	71.062	-5.973	68.200	-8.834	PK
2			5650.000	60.604	69.433	-7.596	68.200	-8.829	PK
3			5700.000	61.338	70.201	-43.862	105.200	-8.863	PK
4			5720.000	65.741	74.548	-45.059	110.800	-8.807	PK
5			5725.000	69.579	78.350	-52.621	122.200	-8.771	PK
6			5747.180	101.155	110.087	N/A	N/A	-8.932	PK

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)

Site: SIP-AC3	Time: 2022/03/11 - 14:17
Limit: FCC_Part15.407_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 5825MHz by 802.11n-HT20	



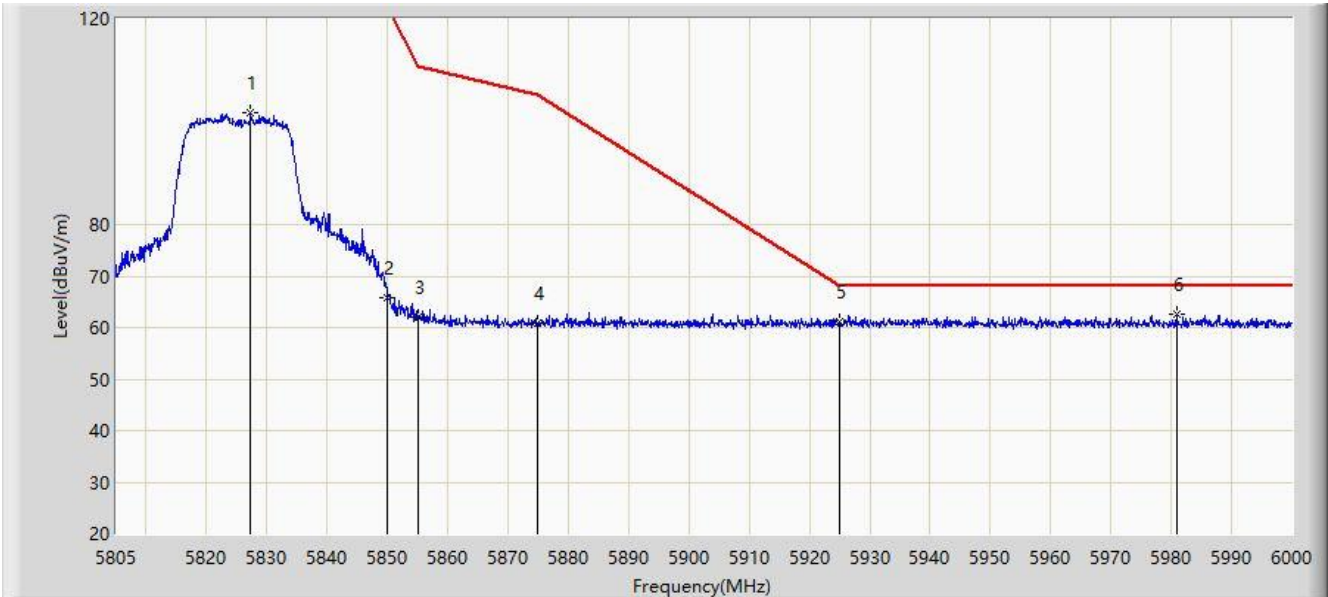
No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			5822.842	105.145	113.833	N/A	N/A	-8.688	PK
2			5850.000	68.817	77.502	-53.383	122.200	-8.685	PK
3			5855.000	64.711	73.397	-46.089	110.800	-8.686	PK
4			5875.000	61.293	69.922	-43.907	105.200	-8.630	PK
5			5925.000	60.916	69.497	-7.284	68.200	-8.581	PK
6		*	5997.172	63.060	71.685	-5.140	68.200	-8.625	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Site: SIP-AC3	Time: 2022/03/11 - 14:24
Limit: FCC_Part15.407_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 5825MHz by 802.11n-HT20	



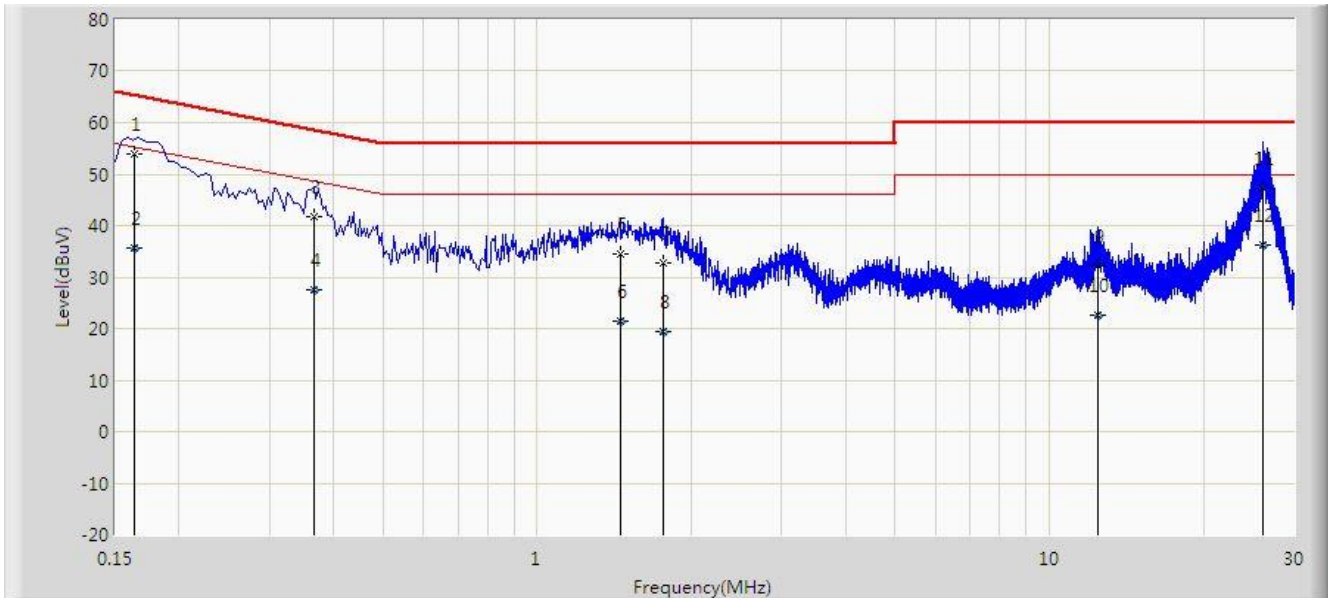
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			5827.230	101.631	110.316	N/A	N/A	-8.686	PK
2			5850.000	65.821	74.506	-56.379	122.200	-8.685	PK
3			5855.000	62.080	70.766	-48.720	110.800	-8.686	PK
4			5875.000	60.744	69.373	-44.456	105.200	-8.630	PK
5			5925.000	61.052	69.633	-7.148	68.200	-8.581	PK
6		*	5980.890	62.687	71.327	-5.513	68.200	-8.640	PK

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)

**A.9 AC Conducted Emissions Test Result**

Site: SIP-SR2	Time: 2022/03/11 - 15:15
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
<b>Test Mode:</b> Transmit by 802.11a at channel 5180MHz	

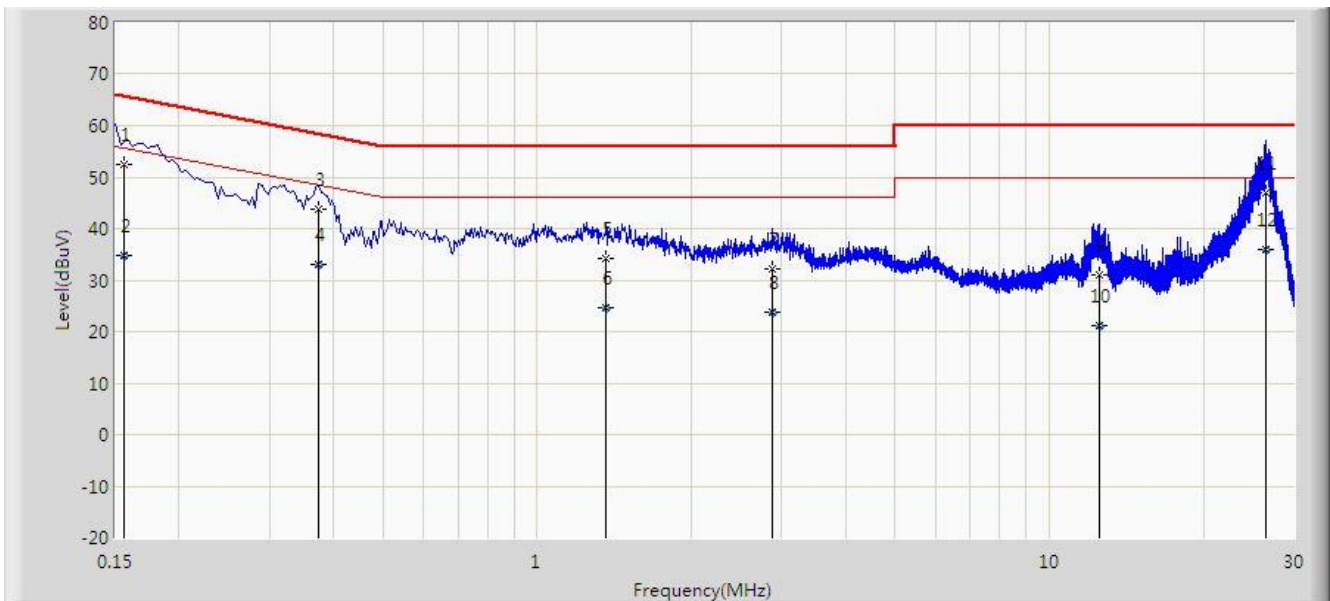


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		*	0.163	53.835	44.100	-11.475	65.310	9.735	QP
2			0.163	35.735	26.000	-19.575	55.310	9.735	AV
3			0.366	41.803	31.989	-16.789	58.591	9.813	QP
4			0.366	27.618	17.805	-20.973	48.591	9.813	AV
5			1.450	34.524	24.623	-21.476	56.000	9.901	QP
6			1.450	21.482	11.581	-24.518	46.000	9.901	AV
7			1.758	32.808	22.885	-23.192	56.000	9.923	QP
8			1.758	19.435	9.513	-26.565	46.000	9.923	AV
9			12.438	32.307	20.889	-27.693	60.000	11.418	QP
10			12.438	22.562	11.144	-27.438	50.000	11.418	AV
11			26.141	47.215	33.400	-12.785	60.000	13.815	QP
12			26.141	36.215	22.400	-13.785	50.000	13.815	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 - 15:20
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
<b>Test Mode:</b> Transmit by 802.11a at channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1			0.156	52.539	42.800	-13.136	65.674	9.739	QP
2			0.156	34.839	25.100	-20.836	55.674	9.739	AV
3			0.374	43.893	34.081	-14.519	58.412	9.811	QP
4			0.374	33.139	23.327	-15.273	48.412	9.811	AV
5			1.362	34.262	24.380	-21.738	56.000	9.882	QP
6			1.362	24.764	14.882	-21.236	46.000	9.882	AV
7			2.886	32.173	22.185	-23.827	56.000	9.989	QP
8			2.886	23.773	13.785	-22.227	46.000	9.989	AV
9			12.482	31.079	19.668	-28.921	60.000	11.411	QP
10			12.482	21.133	9.722	-28.867	50.000	11.411	AV
11		*	26.526	46.890	33.152	-13.110	60.000	13.738	QP
12			26.526	35.964	22.226	-14.036	50.000	13.738	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.