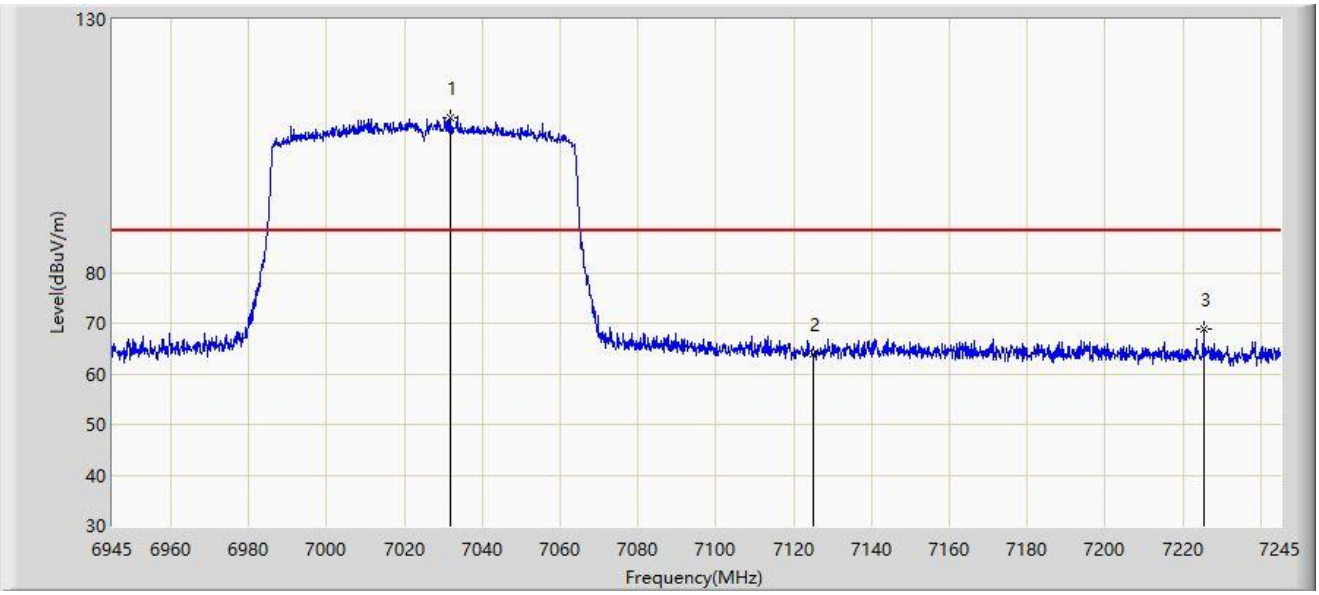
Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at 7025MHz	



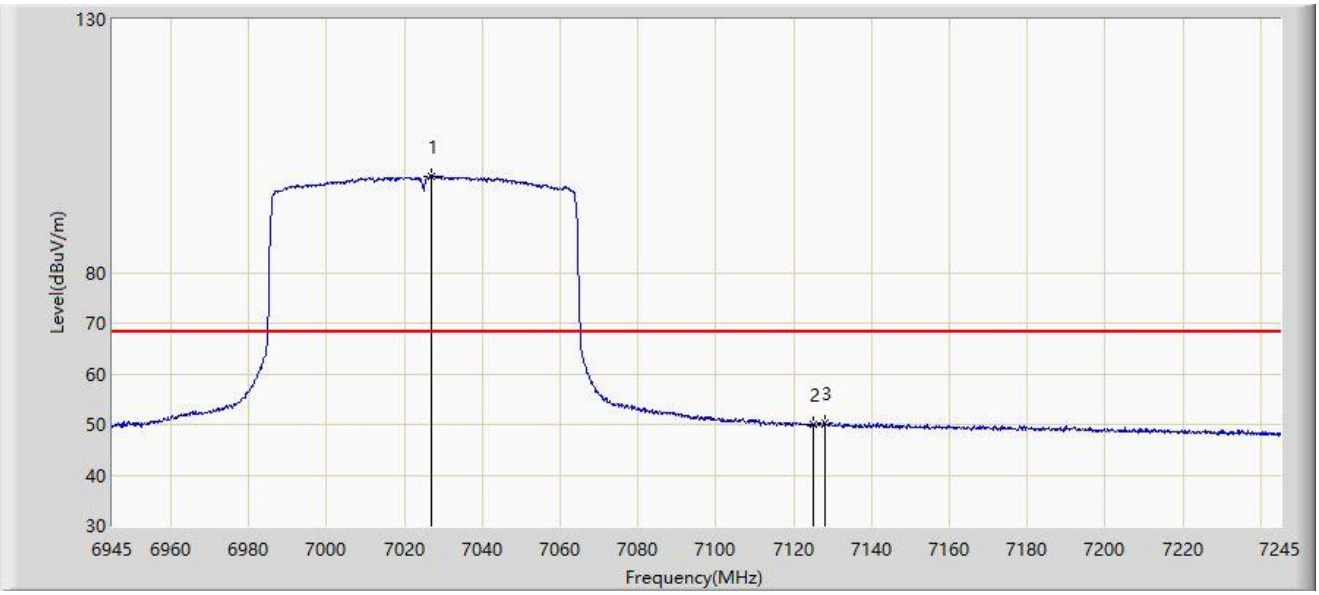
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		7032.000	110.720	69.223	N/A	N/A	41.496	PK
2		7125.000	63.942	22.239	-24.258	88.200	41.703	PK
3	*	7225.350	68.921	27.221	-19.279	88.200	41.700	PK

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at 7025MHz	



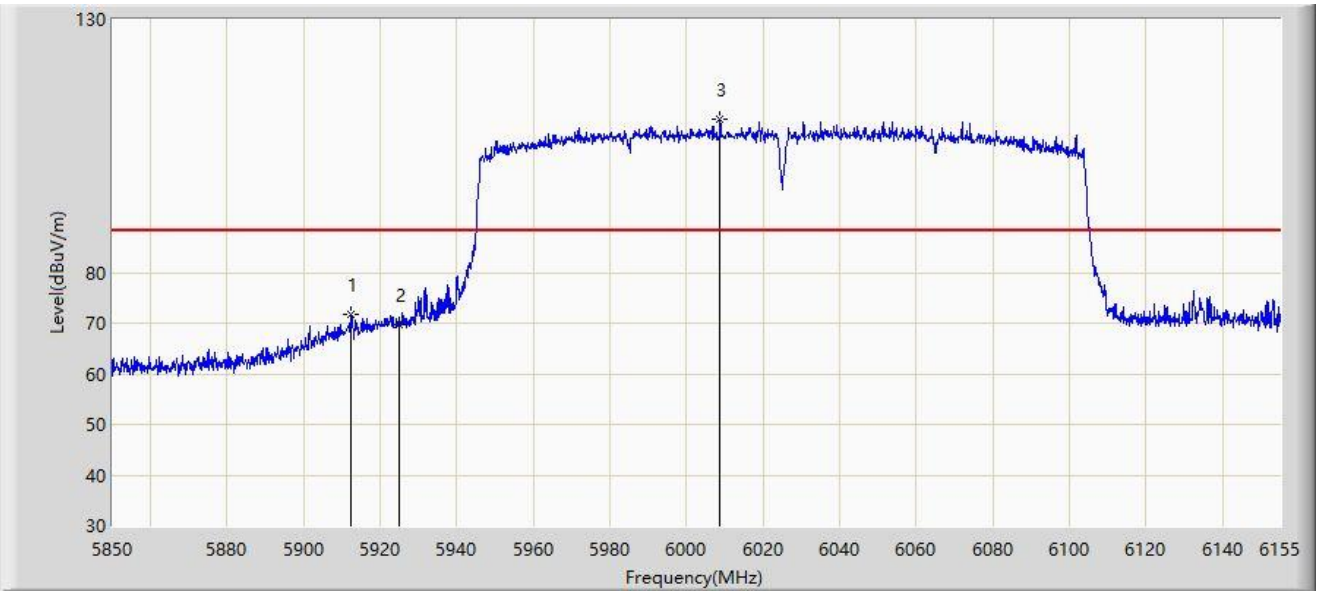
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		7026.900	99.124	57.637	N/A	N/A	41.487	AV
2		7125.000	50.126	8.423	-18.074	68.200	41.703	AV
3	*	7128.000	50.337	8.629	-17.863	68.200	41.707	AV

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6025MHz	



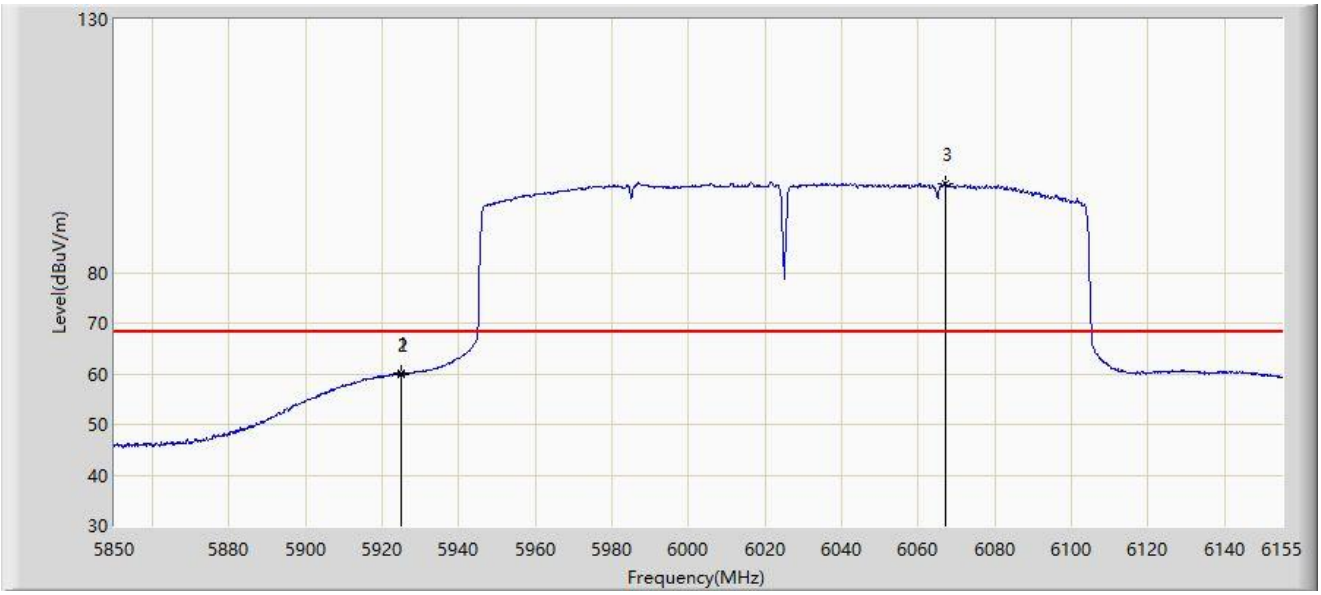
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5912.373	71.687	31.856	-16.513	88.200	39.831	PK
2		5925.000	69.619	29.758	-18.581	88.200	39.861	PK
3		6008.600	110.186	70.085	N/A	N/A	40.101	PK

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6025MHz	



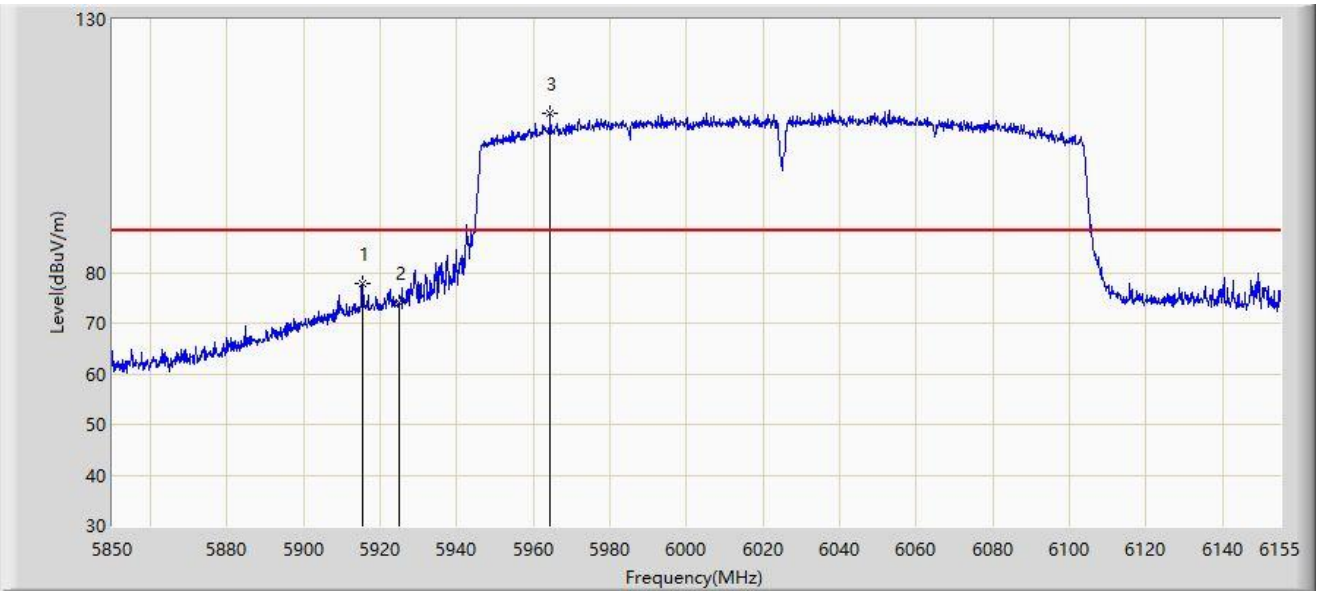
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5924.725	60.095	20.234	-8.105	68.200	39.860	AV
2		5925.000	59.955	20.094	-8.245	68.200	39.861	AV
3		6067.160	97.646	57.342	N/A	N/A	40.304	AV

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6025MHz	



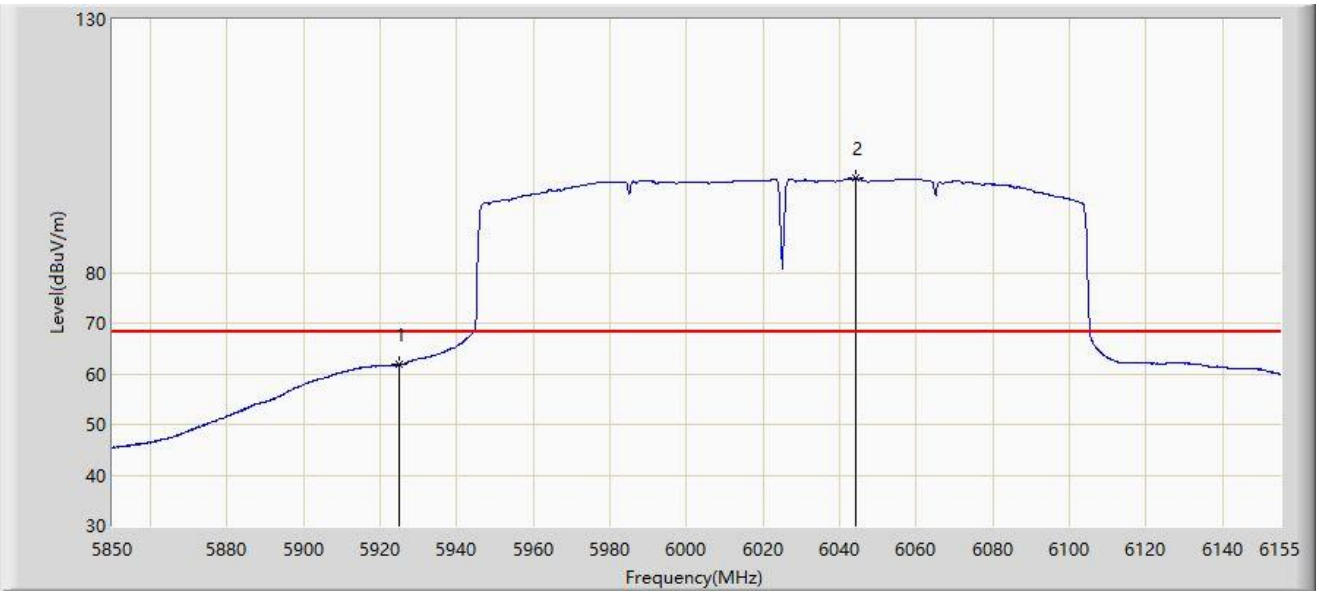
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5915.422	77.948	38.108	-10.252	88.200	39.840	PK
2		5925.000	74.050	34.189	-14.150	88.200	39.861	PK
3		5964.375	111.571	71.511	N/A	N/A	40.060	PK

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6025MHz	



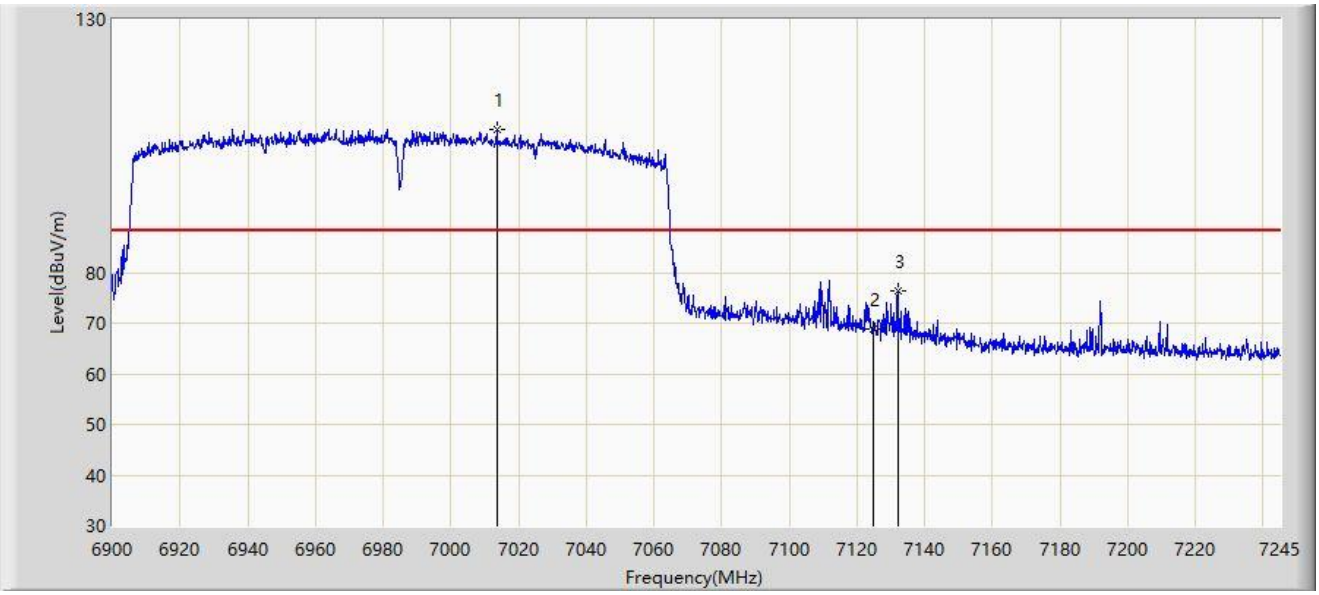
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5925.000	61.851	21.990	-6.349	68.200	39.861	AV
2		6044.285	98.766	58.519	N/A	N/A	40.246	AV

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6985MHz	



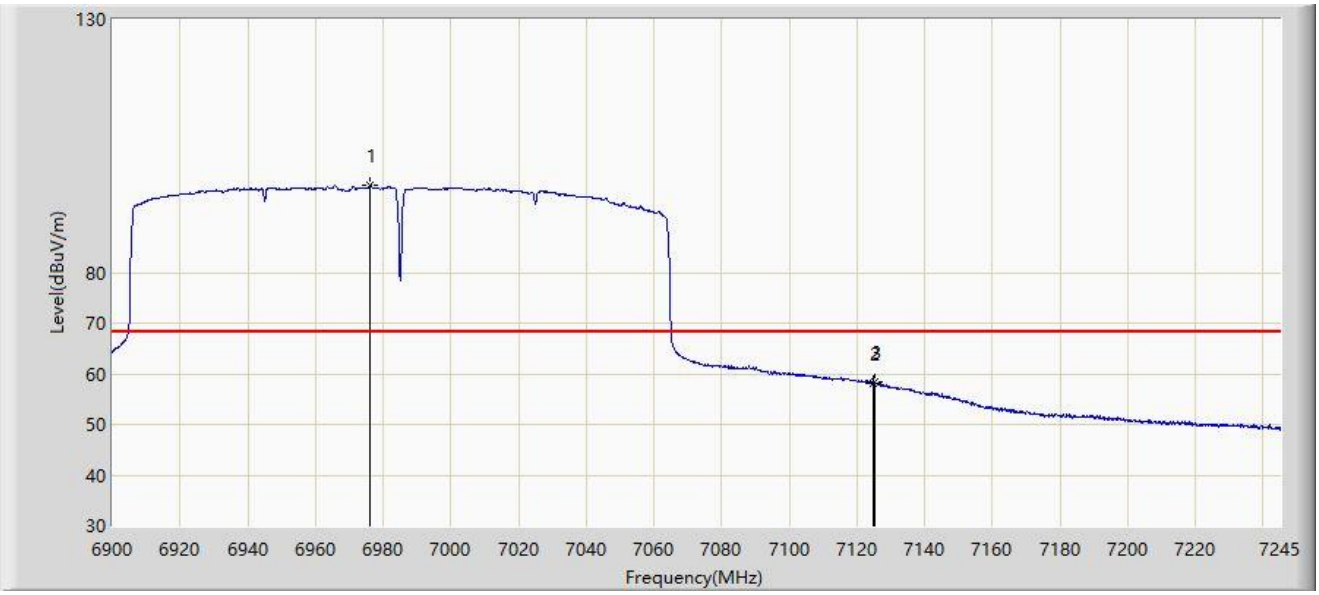
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		7013.505	108.171	66.716	N/A	N/A	41.455	PK
2		7125.000	68.908	27.205	-19.292	88.200	41.703	PK
3	*	7132.185	76.329	34.614	-11.871	88.200	41.714	PK

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6985MHz	



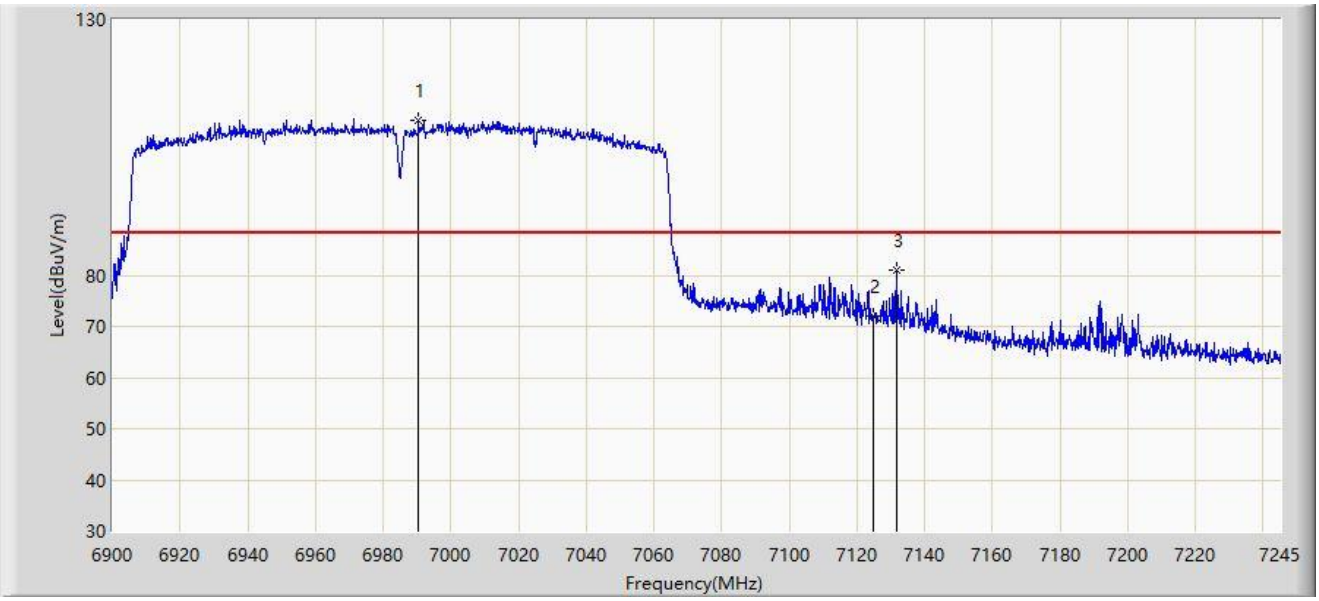
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		6976.245	97.319	55.967	N/A	N/A	41.352	AV
2		7125.000	58.246	16.543	-9.954	68.200	41.703	AV
3	*	7125.285	58.315	16.612	-9.885	68.200	41.703	AV

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6985MHz	



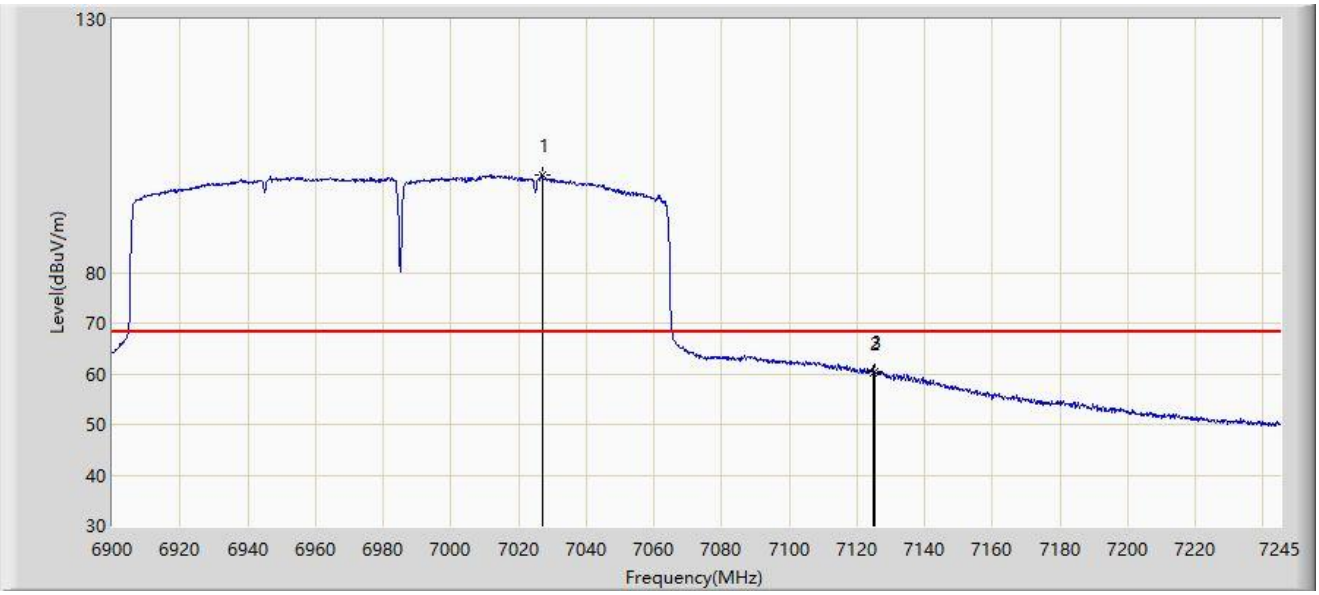
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		6990.562	110.315	68.916	N/A	N/A	41.399	PK
2		7125.000	71.975	30.272	-16.225	88.200	41.703	PK
3	*	7131.840	80.904	39.190	-7.296	88.200	41.714	PK

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) - Pre_Amplifier Gain (dB).

Site: SIP-AC3	Test Date: 2024-01-30
Limit: FCC_6G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6985MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		7026.960	99.317	57.830	N/A	N/A	41.487	AV
2		7125.000	60.023	18.320	-8.177	68.200	41.703	AV
3	*	7125.458	60.544	18.841	-7.656	68.200	41.703	AV

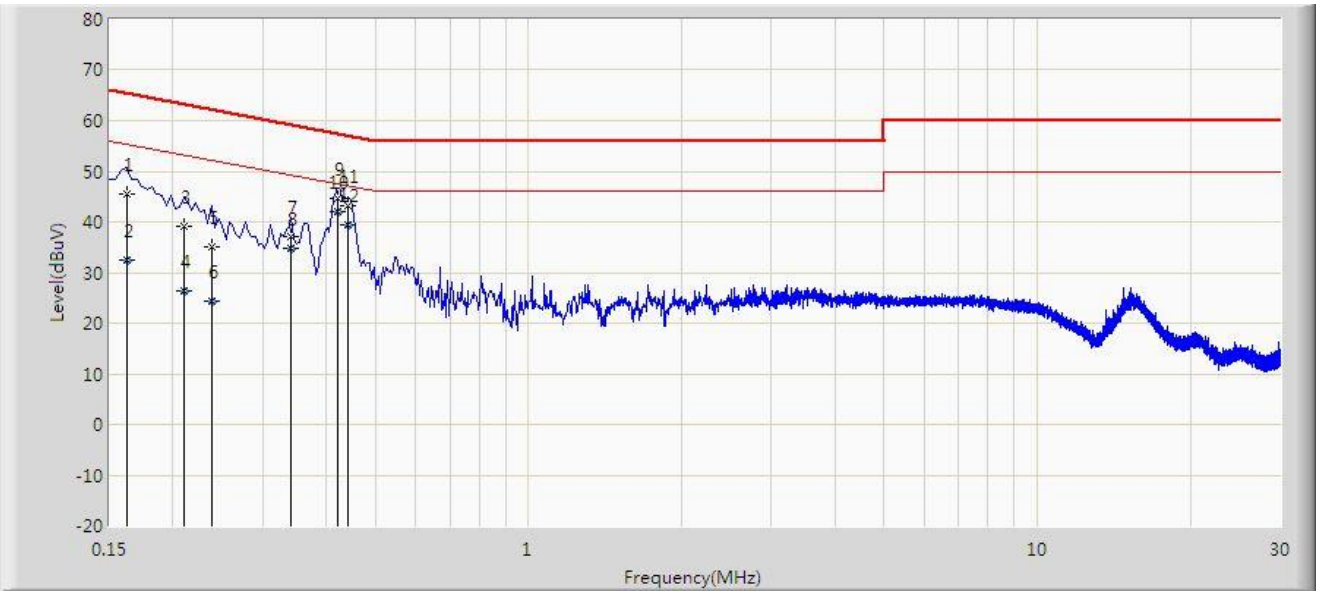
Note 1: " * ", means this data is the worst emission level.

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

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

A.10 AC Conducted Emissions Test Result

Site: SIP-SR2	Test Date: 2024-02-18
Limit: FCC_Part15.207_CE_AC Power	Engineer: Mark Long
Probe: SIP-SR2-ENV216_101684_E	Polarity: Line
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6025MHz	



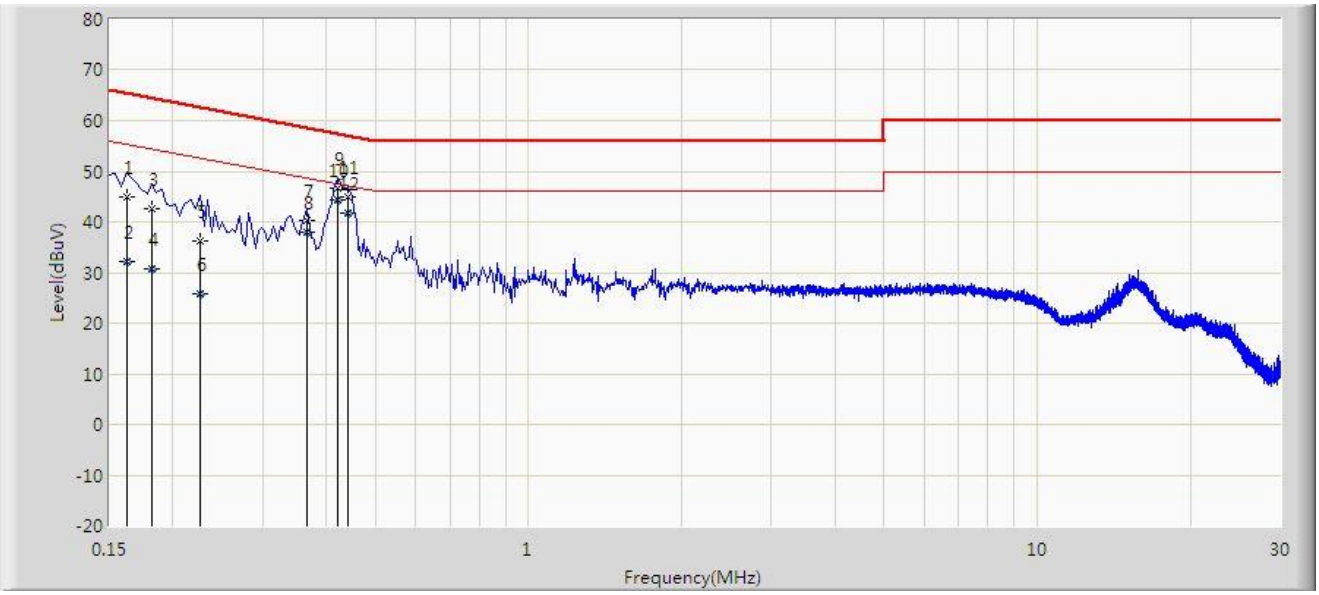
No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1		0.162	45.541	35.890	-19.820	65.361	9.651	QP
2		0.162	32.499	22.848	-22.862	55.361	9.651	AV
3		0.210	39.111	29.412	-24.094	63.205	9.699	QP
4		0.210	26.443	16.744	-26.762	53.205	9.699	AV
5		0.238	35.056	25.338	-27.109	62.166	9.719	QP
6		0.238	24.319	14.600	-27.847	52.166	9.719	AV
7		0.342	36.964	27.231	-22.191	59.155	9.734	QP
8		0.342	34.697	24.964	-14.458	49.155	9.734	AV
9		0.422	44.770	35.038	-12.638	57.409	9.732	QP
10	*	0.422	42.116	32.384	-5.293	47.409	9.732	AV
11		0.442	43.185	33.451	-13.839	57.024	9.734	QP
12		0.442	39.320	29.585	-7.704	47.024	9.734	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: 2024-02-18
Limit: FCC_Part15.207_CE_AC Power	Engineer: Mark Long
Probe: SIP-SR2-ENV216_101684_E	Polarity: Neutral
EUT: Wi-Fi 6E Mesh Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE160 at 6025MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1		0.162	44.974	35.324	-20.387	65.361	9.650	QP
2		0.162	32.161	22.511	-23.199	55.361	9.650	AV
3		0.182	42.751	33.098	-21.643	64.394	9.653	QP
4		0.182	30.737	21.084	-23.657	54.394	9.653	AV
5		0.226	36.215	26.514	-26.380	62.595	9.701	QP
6		0.226	25.670	15.969	-26.926	52.595	9.701	AV
7		0.366	40.325	30.603	-18.266	58.591	9.722	QP
8		0.366	37.863	28.140	-10.728	48.591	9.722	AV
9		0.422	46.644	36.914	-10.765	57.409	9.730	QP
10	*	0.422	44.280	34.550	-3.129	47.409	9.730	AV
11		0.442	45.031	35.301	-11.993	57.024	9.730	QP
12		0.442	41.647	31.917	-5.377	47.024	9.730	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).

Appendix B – Test Setup Photograph

Refer to “2401RSU026-UT” file.

Appendix C – EUT Photograph

Refer to “2401RSU026-UE” file.

The End