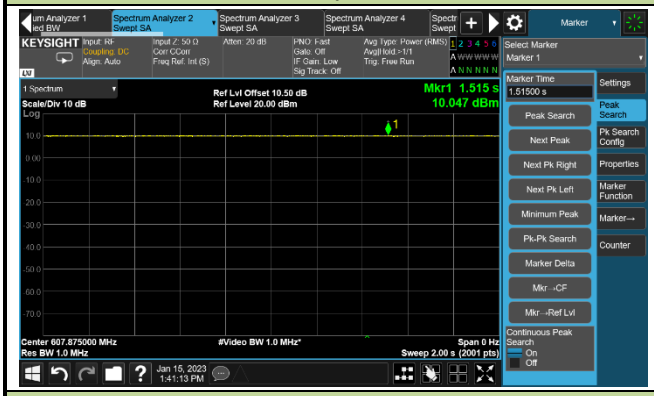
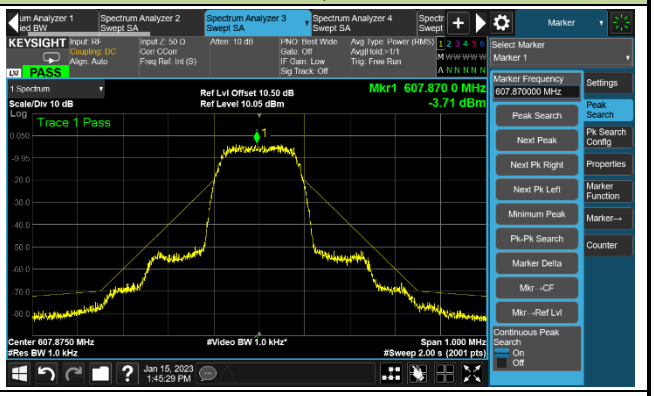
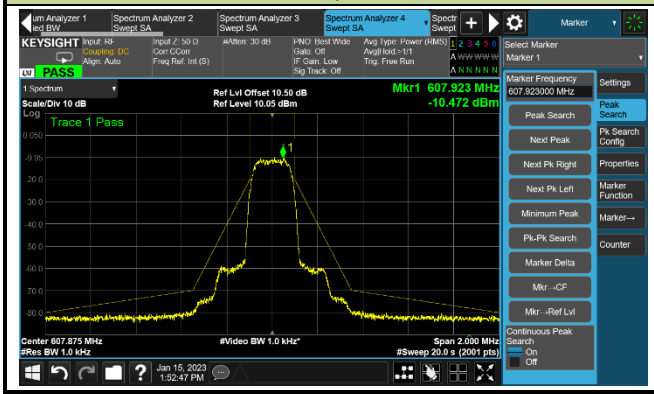
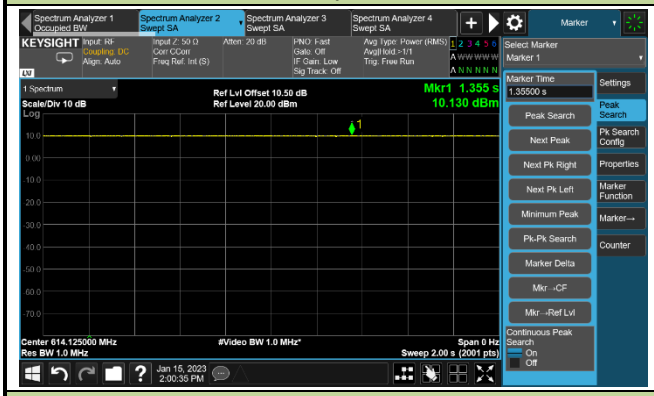
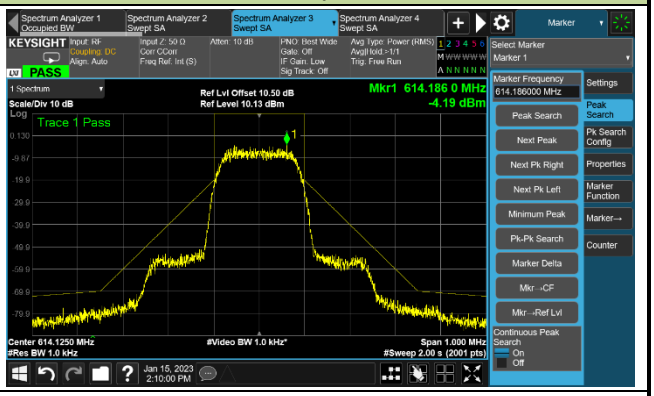
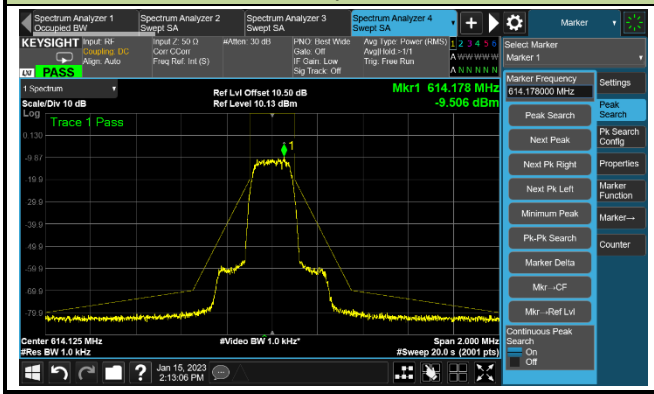
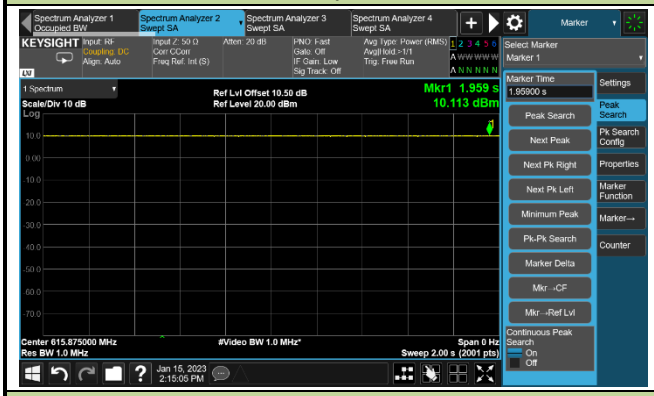
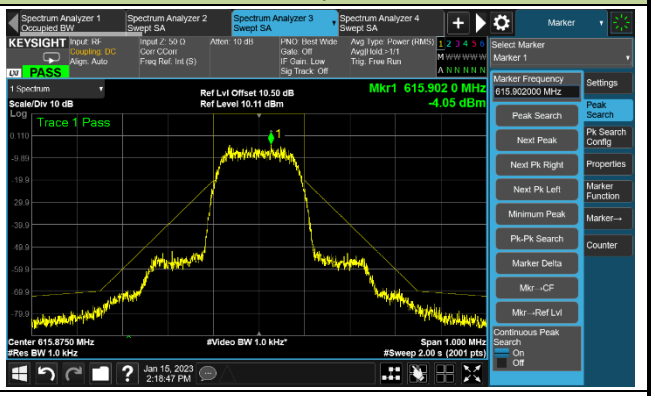
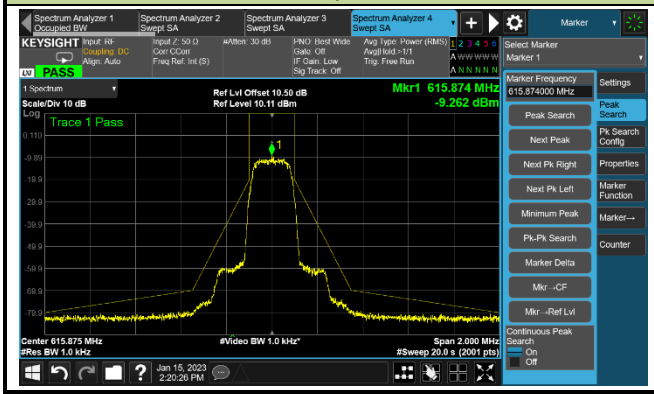
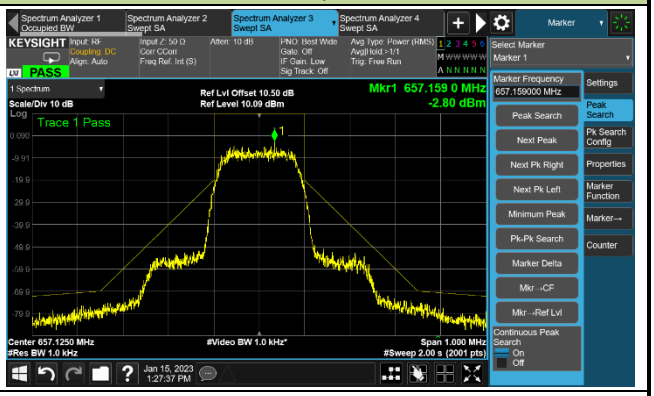
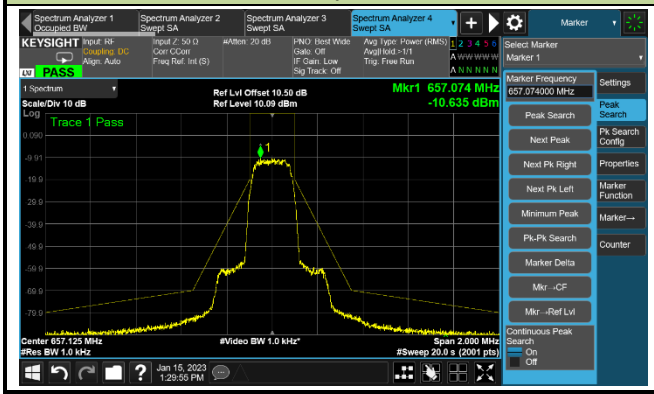
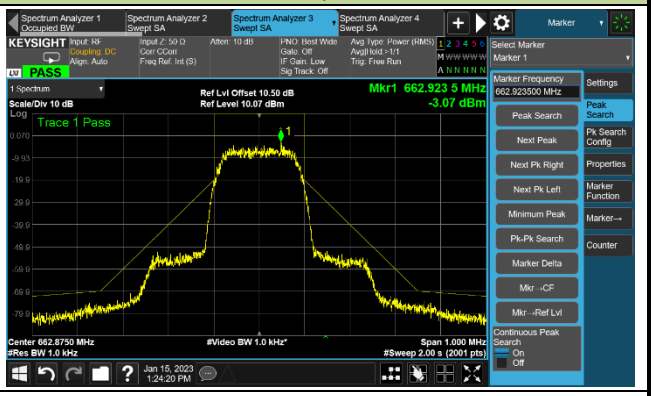
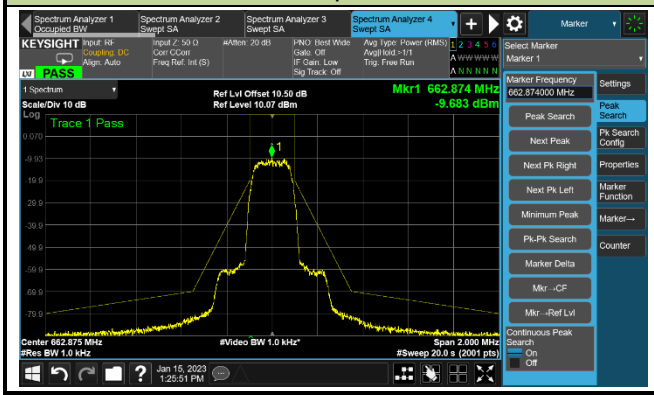
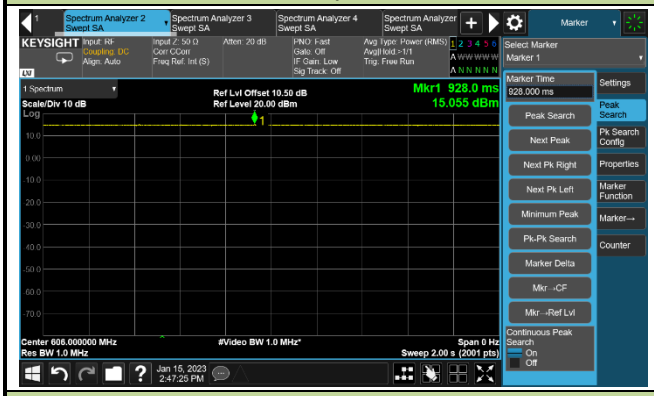
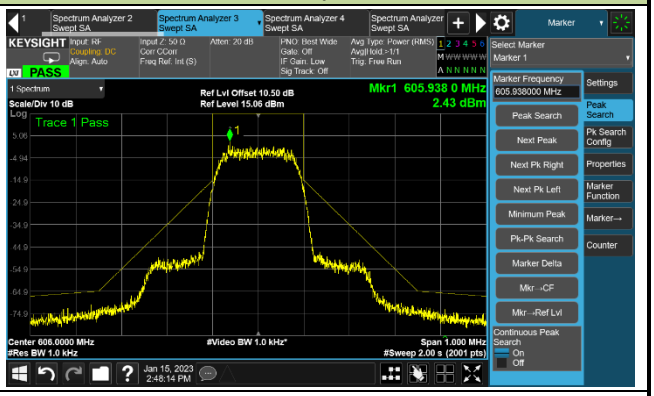
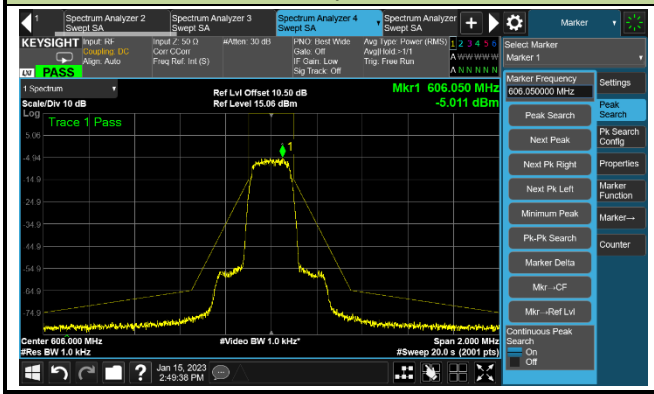
Necessary Bandwidth - STD Mode, 10mW, 607.875MHz	
Step 1	Step 2
	
Step 3	
	

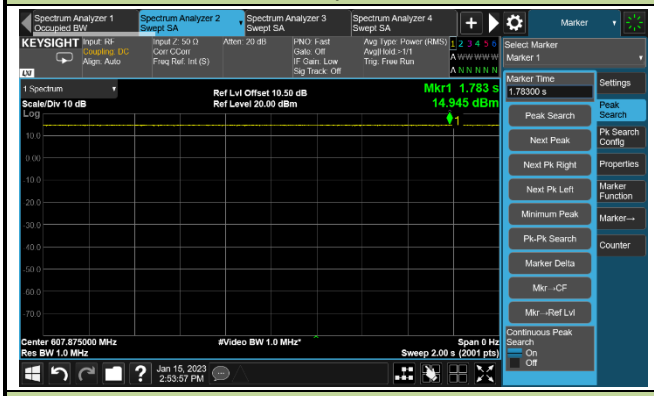
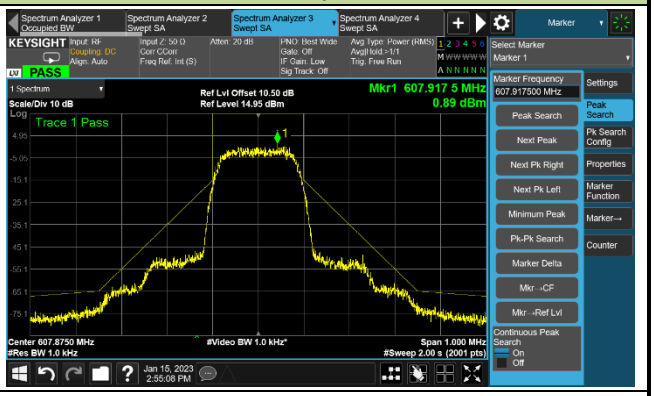
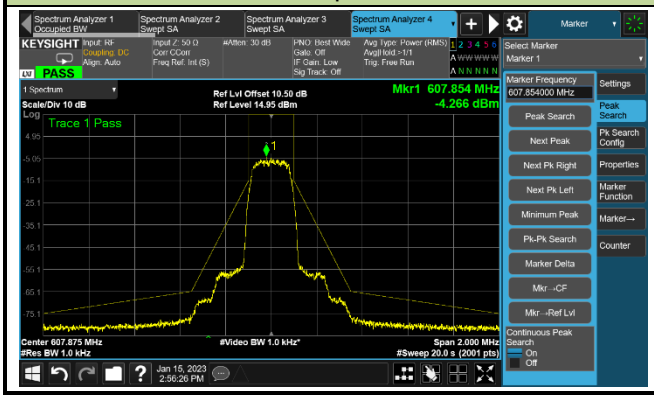
Necessary Bandwidth - STD Mode, 10mW, 614.125MHz	
Step 1	Step 2
	
Step 3	
	

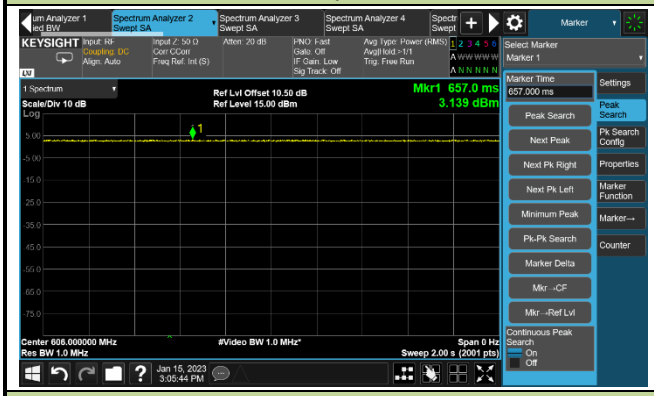
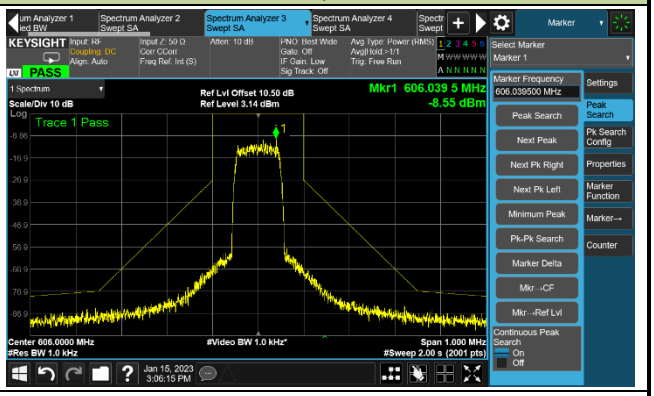
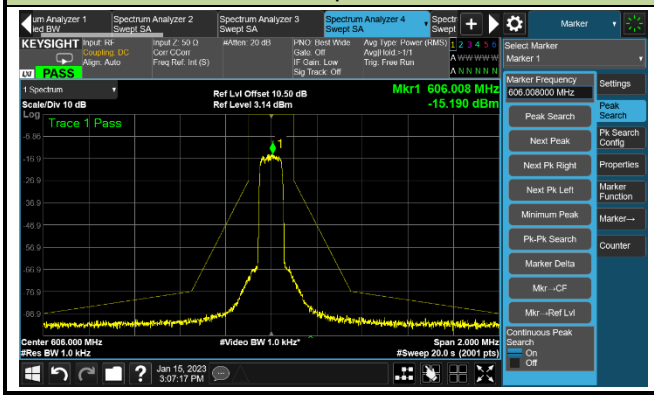
Necessary Bandwidth - STD Mode, 10mW, 615.875MHz	
Step 1	Step 2
	
Step 3	
	

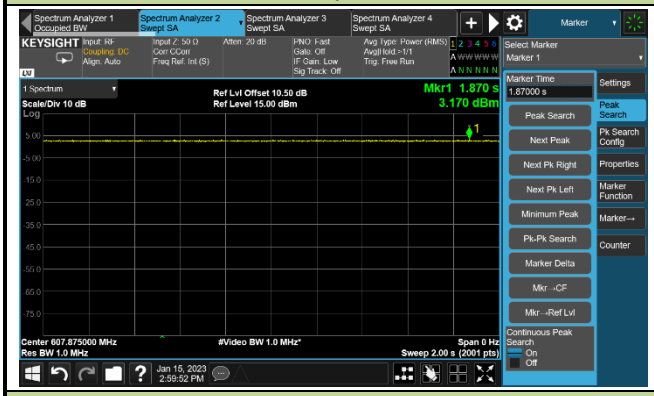
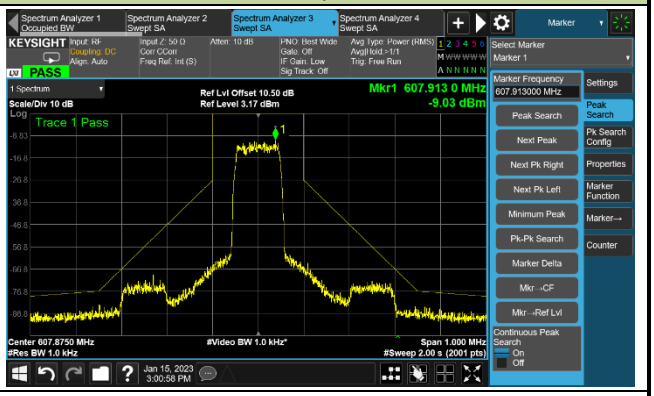
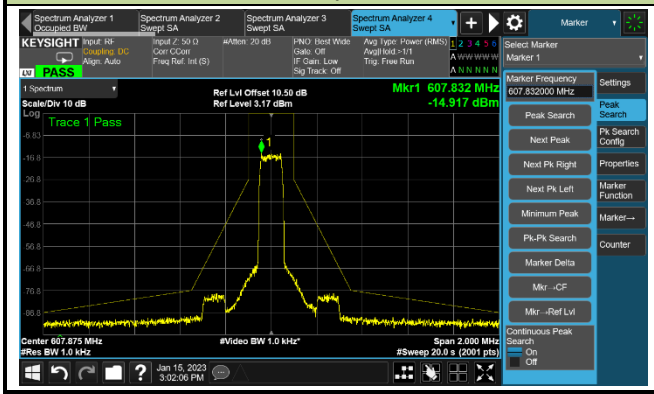
Necessary Bandwidth - STD Mode, 10mW, 657.125MHz	
Step 1	Step 2
	
Step 3	
	

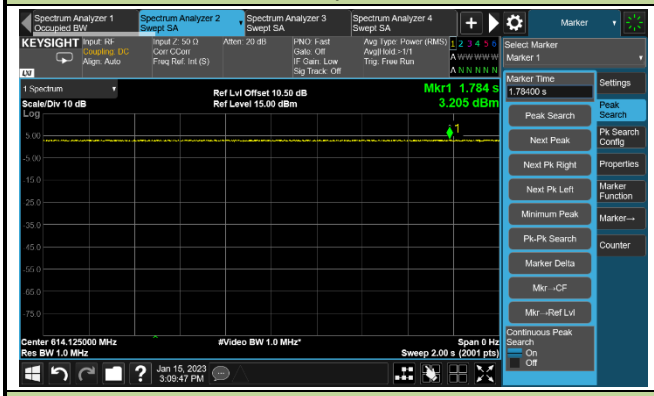
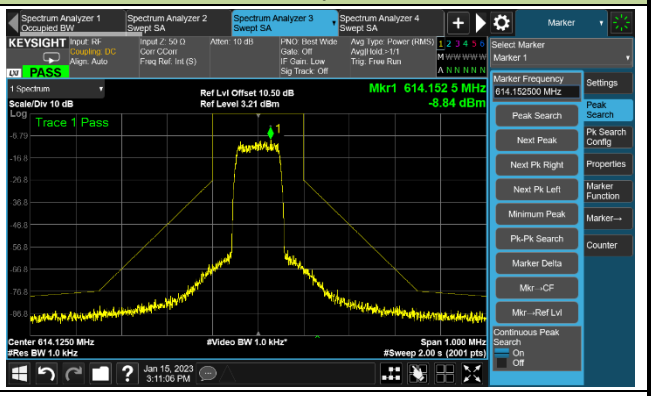
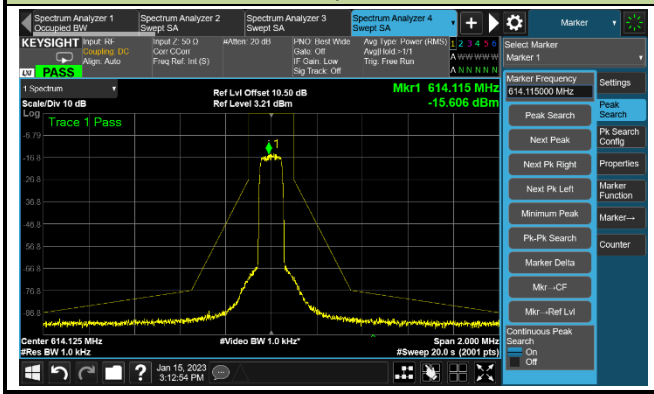
Necessary Bandwidth - STD Mode, 10mW, 662.875MHz	
Step 1	Step 2
	
Step 3	
	

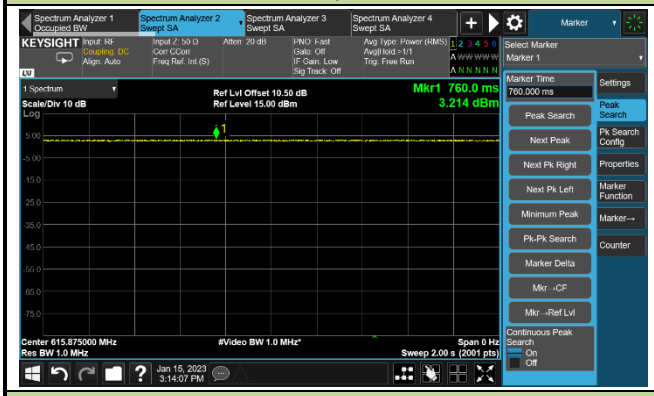
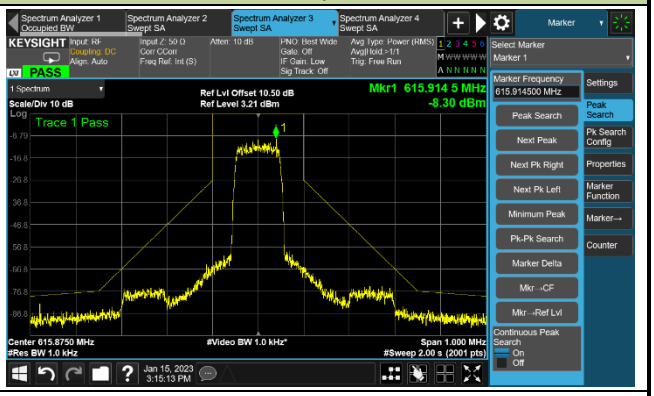
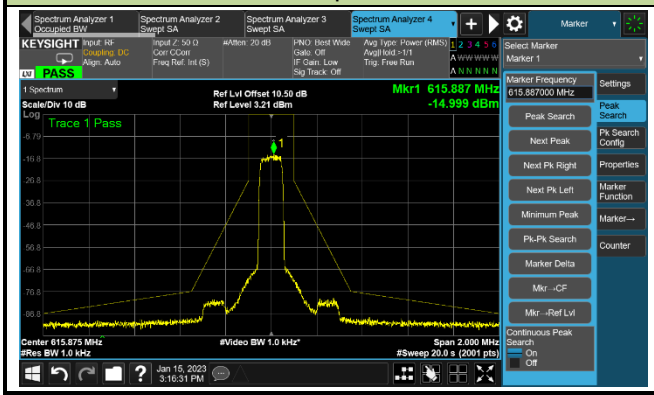
Necessary Bandwidth - STD Mode, 35mW, 606.000MHz	
Step 1	Step 2
	
Step 3	
	

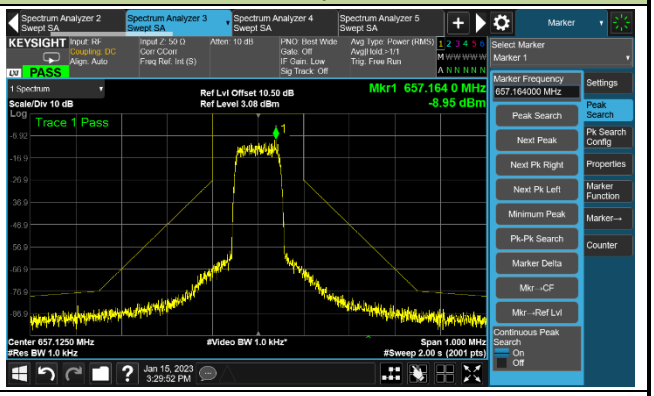
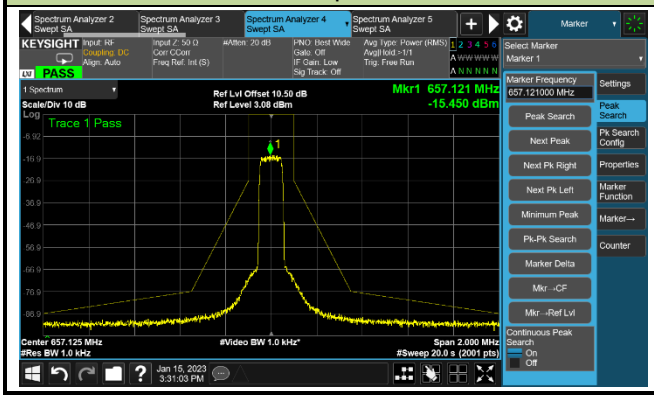
Necessary Bandwidth - STD Mode, 35mW, 607.875MHz	
Step 1	Step 2
	
Step 3	
	

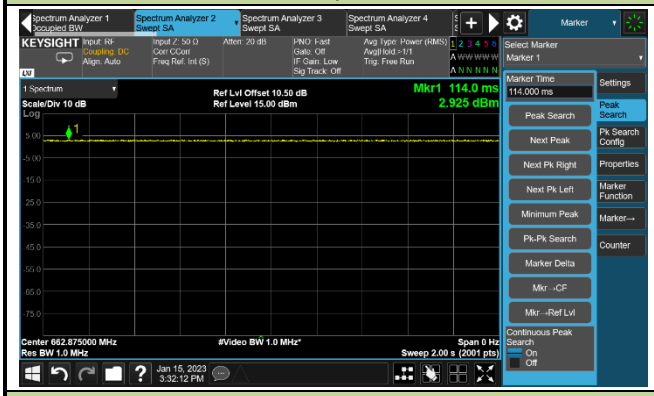
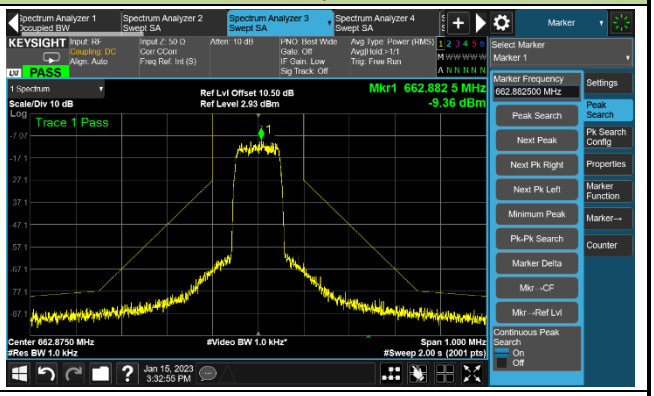
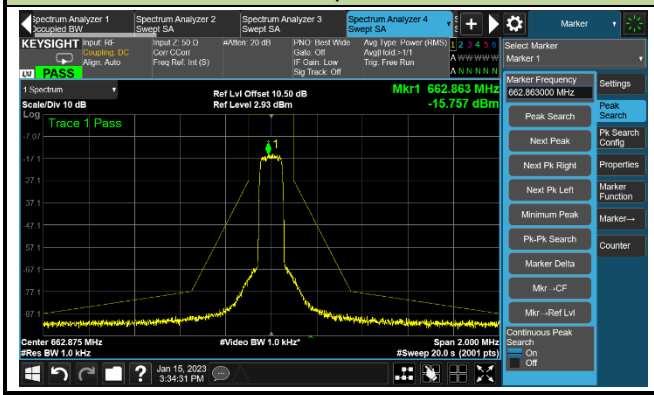
Necessary Bandwidth - HD Mode, 2mW, 606.000MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - HD Mode, 2mW, 607.875MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - HD Mode, 2mW, 614.125MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - HD Mode, 2mW, 615.875MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - HD Mode, 2mW, 657.125MHz	
Step 1	Step 2
	
Step 3	
	

Necessary Bandwidth - HD Mode, 2mW, 662.875MHz	
Step 1	Step 2
	
Step 3	
	

A.4 Output Power Test Result

Test Site	WZ-TR3	Test Engineer	Dandy Li
Test Date	2023-01-03		

Frequency (MHz)	Conducted Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Test Result
STD Mode (35mW)					
606.000	12.70	4.00	16.70	16.99	Pass
607.875	12.71	4.00	16.71	16.99	Pass
STD Mode (10mW)					
614.125	8.57	4.00	12.57	13.01	Pass
615.875	8.58	4.00	12.58	13.01	Pass
STD Mode (10mW)					
657.125	8.53	4.00	12.53	13.01	Pass
662.875	8.51	4.00	12.51	13.01	Pass
HD Mode (2mW)					
606.000	2.74	4.00	6.74	16.99	Pass
607.875	2.77	4.00	6.77	16.99	Pass
614.125	2.80	4.00	6.80	13.01	Pass
615.875	2.93	4.00	6.93	13.01	Pass
657.125	2.90	4.00	6.90	13.01	Pass
662.875	2.87	4.00	6.97	13.01	Pass

Note 1: Limit = 10*Log (50mW) = 16.99 dBm.

Note 2: Limit = 10*Log (20mW) = 13.01 dBm.

Note 3: EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi).

A.5 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-02-07	Test Mode	STD Mode - 35mW

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
606.000	125.060	-92.6	22.5	-70.1	-54.0	-16.1	Peak	Horizontal
	676.505	-97.2	36.8	-60.4	-54.0	-6.4	Peak	Horizontal
	97.900	-106.0	40.7	-65.3	-54.0	-11.3	Peak	Vertical
	761.380	-103.6	38.5	-65.1	-54.0	-11.1	Peak	Vertical
	1921.000	-63.6	8.1	-55.5	-30.0	-25.5	Peak	Horizontal
	3397.000	-67.2	11.1	-56.1	-30.0	-26.1	Peak	Horizontal
	1252.000	-66.3	9.4	-56.9	-30.0	-26.9	Peak	Vertical
	1921.000	-63.7	8.0	-55.7	-30.0	-25.7	Peak	Vertical
607.875	54.250	-103.4	30.1	-73.3	-54.0	-19.3	Peak	Horizontal
	664.865	-96.7	36.4	-60.3	-54.0	-6.3	Peak	Horizontal
	97.415	-105.5	40.6	-64.9	-54.0	-10.9	Peak	Vertical
	717.245	-102.7	37.1	-65.6	-54.0	-11.6	Peak	Vertical
	1921.000	-63.3	8.1	-55.2	-30.0	-25.2	Peak	Horizontal
	3109.000	-66.3	10.5	-55.8	-30.0	-25.8	Peak	Horizontal
	1921.000	-63.3	8.0	-55.3	-30.0	-25.3	Peak	Vertical
	6304.000	-70.9	18.0	-52.9	-30.0	-22.9	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: QP measurement was not performed when peak measure level was lower than the QP limit below 1G.

RMS measurement was not performed when peak measure level was lower than the RMS limit above 1G.

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-02-07	Test Mode	STD Mode - 10mW

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
614.125	48.915	-105.0	31.9	-73.1	-54.0	-19.1	Peak	Horizontal
	732.280	-101.2	38.1	-63.1	-54.0	-9.1	Peak	Horizontal
	97.900	-105.8	40.7	-65.1	-54.0	-11.1	Peak	Vertical
	735.190	-102.5	37.4	-65.1	-54.0	-11.1	Peak	Vertical
	1921.000	-64.6	8.1	-56.5	-30.0	-26.5	Peak	Horizontal
	4510.000	-68.7	14.4	-54.3	-30.0	-24.3	Peak	Horizontal
	1921.000	-63.9	8.0	-55.9	-30.0	-25.9	Peak	Vertical
	4852.000	-69.7	14.8	-54.9	-30.0	-24.9	Peak	Vertical
615.875	125.060	-85.8	22.5	-63.3	-54.0	-9.3	Peak	Horizontal
	736.160	-102.0	38.0	-64.0	-54.0	-10.0	Peak	Horizontal
	99.355	-104.5	38.8	-65.7	-54.0	-11.7	Peak	Vertical
	685.235	-102.9	36.9	-66.0	-54.0	-12.0	Peak	Vertical
	1363.000	-66.4	9.4	-57.0	-30.0	-27.0	Peak	Horizontal
	1921.000	-64.1	8.1	-56.0	-30.0	-26.0	Peak	Horizontal
	1921.000	-62.9	8.0	-54.9	-30.0	-24.9	Peak	Vertical
	4519.000	-69.5	14.2	-55.3	-30.0	-25.3	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: QP measurement was not performed when peak measure level was lower than the QP limit below 1G. RMS measurement was not performed when peak measure level was lower than the RMS limit above 1G.

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-02-07	Test Mode	STD Mode - 10mW

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
657.125	125.060	-92.6	22.5	-70.1	-54.0	-16.1	Peak	Horizontal
	736.645	-101.1	38.0	-63.1	-54.0	-9.1	Peak	Horizontal
	97.900	-106.0	40.7	-65.3	-54.0	-11.3	Peak	Vertical
	757.985	-103.2	38.4	-64.8	-54.0	-10.8	Peak	Vertical
	1363.000	-67.5	9.4	-58.1	-30.0	-28.1	Peak	Horizontal
	1921.000	-63.6	8.1	-55.5	-30.0	-25.5	Peak	Horizontal
	1921.000	-63.5	8.0	-55.5	-30.0	-25.5	Peak	Vertical
	3841.000	-66.8	12.1	-54.7	-30.0	-24.7	Peak	Vertical
662.875	52.795	-104.5	30.7	-73.8	-54.0	-19.8	Peak	Horizontal
	739.555	-101.9	37.8	-64.1	-54.0	-10.1	Peak	Horizontal
	95.960	-104.6	39.7	-64.9	-54.0	-10.9	Peak	Vertical
	758.955	-102.6	38.4	-64.2	-54.0	-10.2	Peak	Vertical
	1921.000	-63.9	8.1	-55.8	-30.0	-25.8	Peak	Horizontal
	4834.000	-69.0	14.5	-54.5	-30.0	-24.5	Peak	Horizontal
	1921.000	-63.3	8.0	-55.3	-30.0	-25.3	Peak	Vertical
	4489.000	-69.7	14.2	-55.5	-30.0	-25.5	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: QP measurement was not performed when peak measure level was lower than the QP limit below 1G.

RMS measurement was not performed when peak measure level was lower than the RMS limit above 1G.

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-02-07	Test Mode	HD Mode - 2mW

Test Channel (MHz)	Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Substitute Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
606.000	54.250	-104.7	30.1	-74.6	-54.0	-20.6	Peak	Horizontal
	716.760	-102.0	38.0	-64.0	-54.0	-10.0	Peak	Horizontal
	97.415	-105.8	40.6	-65.2	-54.0	-11.2	Peak	Vertical
	744.405	-102.5	37.7	-64.8	-54.0	-10.8	Peak	Vertical
	1921.000	-63.8	8.1	-55.7	-30.0	-25.7	Peak	Horizontal
	4837.000	-67.7	14.5	-53.2	-30.0	-23.2	Peak	Horizontal
	1921.000	-63.3	8.0	-55.3	-30.0	-25.3	Peak	Vertical
	3025.000	-68.0	10.3	-57.7	-30.0	-27.7	Peak	Vertical
607.875	49.400	-106.4	31.8	-74.6	-54.0	-20.6	Peak	Horizontal
	703.665	-101.5	37.7	-63.8	-54.0	-9.8	Peak	Horizontal
	97.415	-105.6	40.6	-65.0	-54.0	-11.0	Peak	Vertical
	700.755	-103.2	37.3	-65.9	-54.0	-11.9	Peak	Vertical
	1921.000	-63.9	8.1	-55.8	-30.0	-25.8	Peak	Horizontal
	3109.000	-66.7	10.5	-56.2	-30.0	-26.2	Peak	Horizontal
	1363.000	-66.6	9.0	-57.6	-30.0	-27.6	Peak	Vertical
	1921.000	-63.1	8.0	-55.1	-30.0	-25.1	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: QP measurement was not performed when peak measure level was lower than the QP limit below 1G.

RMS measurement was not performed when peak measure level was lower than the RMS limit above 1G.

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-02-07	Test Mode	HD Mode - 2mW

Test Channel (MHz)	Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Substitute Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
614.125	54.735	-104.1	29.8	-74.3	-54.0	-20.3	Peak	Horizontal
	700.270	-101.8	37.5	-64.3	-54.0	-10.3	Peak	Horizontal
	97.415	-104.7	40.6	-64.1	-54.0	-10.1	Peak	Vertical
	767.685	-102.8	38.4	-64.4	-54.0	-10.4	Peak	Vertical
	1360.000	-67.0	9.6	-57.4	-30.0	-27.4	Peak	Horizontal
	1921.000	-64.2	8.1	-56.1	-30.0	-26.1	Peak	Horizontal
	1921.000	-63.7	8.0	-55.7	-30.0	-25.7	Peak	Vertical
	3112.000	-66.7	9.9	-56.8	-30.0	-26.8	Peak	Vertical
615.875	215.755	-104.0	31.9	-72.1	-54.0	-18.1	Peak	Horizontal
	710.455	-101.7	37.7	-64.0	-54.0	-10.0	Peak	Horizontal
	96.930	-105.0	40.4	-64.6	-54.0	-10.6	Peak	Vertical
	741.495	-102.0	37.5	-64.5	-54.0	-10.5	Peak	Vertical
	1921.000	-63.8	8.1	-55.7	-30.0	-25.7	Peak	Horizontal
	3106.000	-67.1	10.5	-56.6	-30.0	-26.6	Peak	Horizontal
	1921.000	-63.5	8.0	-55.5	-30.0	-25.5	Peak	Vertical
	3178.000	-67.6	10.6	-57.0	-30.0	-27.0	Peak	Vertical

Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: QP measurement was not performed when peak measure level was lower than the QP limit below 1G. RMS measurement was not performed when peak measure level was lower than the RMS limit above 1G.

Test Site	WZ-AC2	Test Engineer	Bob Zhang
Test Date	2023-02-07	Test Mode	HD Mode - 2mW

Test Channel (MHz)	Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Substitute Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
657.125	53.280	-105.1	30.4	-74.7	-54.0	-20.7	Peak	Horizontal
	726.945	-103.0	38.0	-65.0	-54.0	-11.0	Peak	Horizontal
	97.415	-105.5	40.6	-64.9	-54.0	-10.9	Peak	Vertical
	670.685	-103.1	36.6	-66.5	-54.0	-12.5	Peak	Vertical
	1921.000	-63.9	8.1	-55.8	-30.0	-25.8	Peak	Horizontal
	3097.000	-66.5	10.4	-56.1	-30.0	-26.1	Peak	Horizontal
	1921.000	-63.6	8.0	-55.6	-30.0	-25.6	Peak	Vertical
	5923.000	-71.0	16.5	-54.5	-30.0	-24.5	Peak	Vertical
662.875	53.280	-104.7	30.4	-74.3	-54.0	-20.3	Peak	Horizontal
	704.635	-101.4	37.7	-63.7	-54.0	-9.7	Peak	Horizontal
	94.020	-104.5	39.3	-65.2	-54.0	-11.2	Peak	Vertical
	790.965	-102.6	37.9	-64.7	-54.0	-10.7	Peak	Vertical
	1921.000	-64.2	8.1	-56.1	-30.0	-26.1	Peak	Horizontal
	6730.000	-71.6	20.0	-51.6	-30.0	-21.6	Peak	Horizontal
	1921.000	-64.1	8.0	-56.1	-30.0	-26.1	Peak	Vertical
	5935.000	-71.3	16.7	-54.6	-30.0	-24.6	Peak	Vertical

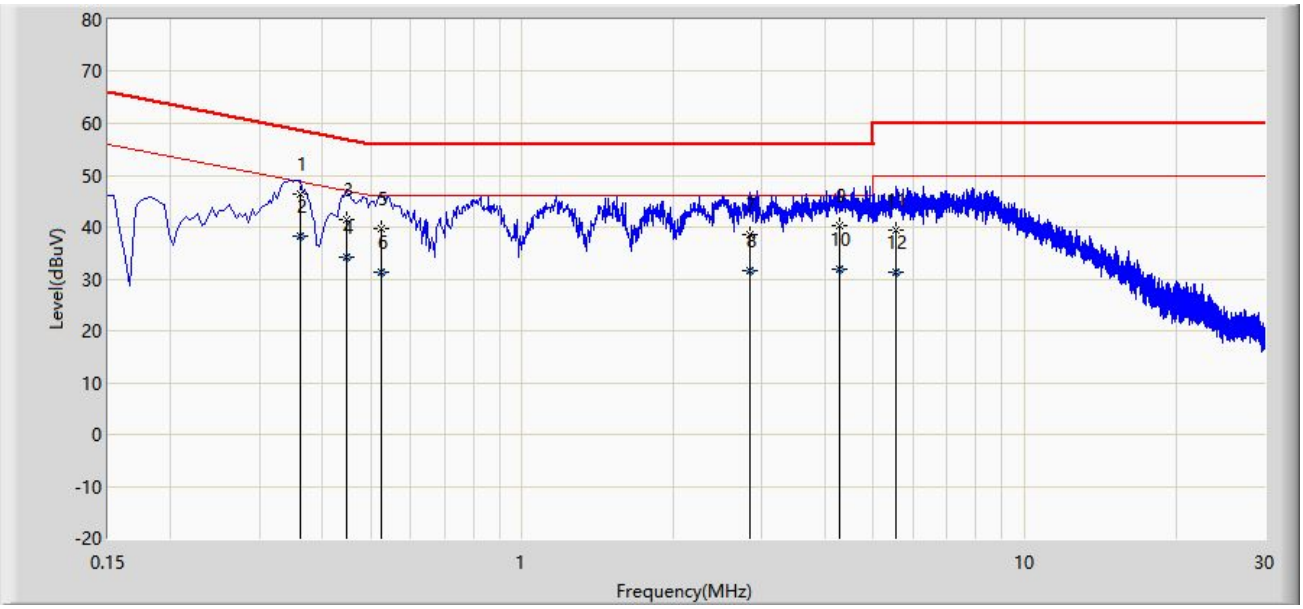
Note 1: Measure Level (dBm) = Reading Level (dBm) + Substitution Factor (dB)

Note 2: Substitution Factor (dB) = Cable Loss (dB) + Space Attenuation (dB) - Antenna Gain (dBi) - 2.15 (dB)

Note 3: QP measurement was not performed when peak measure level was lower than the QP limit below 1G. RMS measurement was not performed when peak measure level was lower than the RMS limit above 1G.

A.6 AC Conducted Emissions Test Result

Site: WZ-SR2	Test Date: 2023-02-06
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_E	Polarity: Line
EUT: Digital Plug-on Transmitter	Power: AC 120V/60Hz
Note: STD mode, 35mW, Transmit at 606.000MHz	



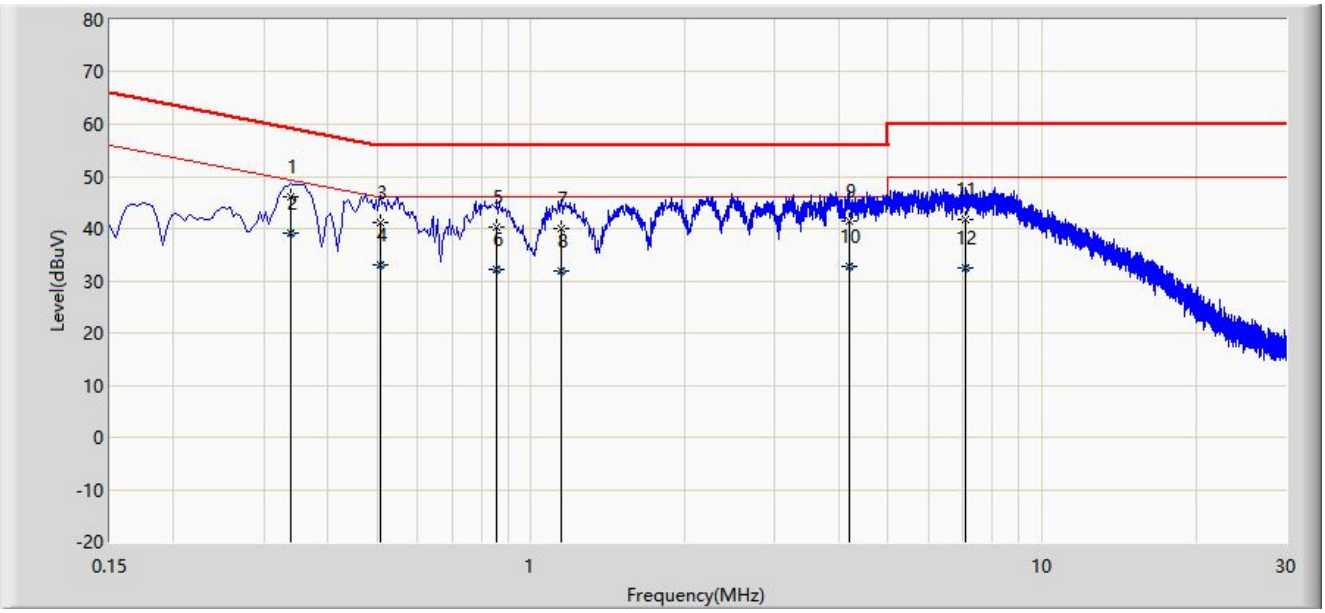
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.362	46.272	36.355	-12.410	58.682	9.918	QP
2		*	0.362	38.352	28.435	-10.330	48.682	9.918	AV
3			0.446	41.433	31.496	-15.517	56.949	9.937	QP
4			0.446	34.236	24.299	-12.713	46.949	9.937	AV
5			0.526	39.752	29.802	-16.248	56.000	9.950	QP
6			0.526	31.210	21.260	-14.790	46.000	9.950	AV
7			2.846	38.445	28.284	-17.555	56.000	10.161	QP
8			2.846	31.647	21.487	-14.353	46.000	10.161	AV
9			4.282	40.194	29.760	-15.806	56.000	10.433	QP
10			4.282	31.925	21.492	-14.075	46.000	10.433	AV
11			5.538	39.526	28.910	-20.474	60.000	10.616	QP
12			5.538	31.214	20.598	-18.786	50.000	10.616	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: WZ-SR2	Test Date: 2023-02-06
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_E	Polarity: Neutral
EUT: Digital Plug-on Transmitter	Power: AC 120V/60Hz
Note: STD mode, 35mW, Transmit at 606.000MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.338	46.145	36.213	-13.107	59.252	9.933	QP
2		*	0.338	39.174	29.241	-10.079	49.252	9.933	AV
3			0.506	41.221	31.261	-14.779	56.000	9.960	QP
4			0.506	33.046	23.086	-12.954	46.000	9.960	AV
5			0.858	40.157	30.168	-15.843	56.000	9.989	QP
6			0.858	32.102	22.112	-13.898	46.000	9.989	AV
7			1.146	39.914	29.911	-16.086	56.000	10.003	QP
8			1.146	31.740	21.737	-14.260	46.000	10.003	AV
9			4.198	41.450	30.998	-14.550	56.000	10.453	QP
10			4.198	32.784	22.331	-13.216	46.000	10.453	AV
11			7.074	41.615	30.847	-18.385	60.000	10.767	QP
12			7.074	32.556	21.789	-17.444	50.000	10.767	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 “2211RSU077-UT” file.

Appendix C - EUT Photograph

Refer to “2211RSU077-UE” file.