

A.5 Necessary Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2023-01-12		

Necessary Bandwidth - STD Mode, 2mW, 606.000MHz

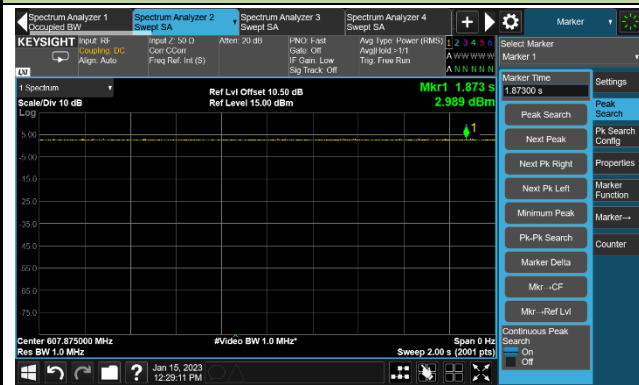
Step 1

Step 2

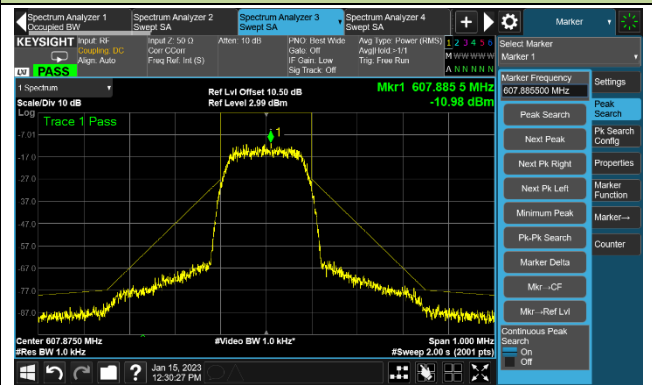
Step 3

Necessary Bandwidth - STD Mode, 2mW,607.875MHz

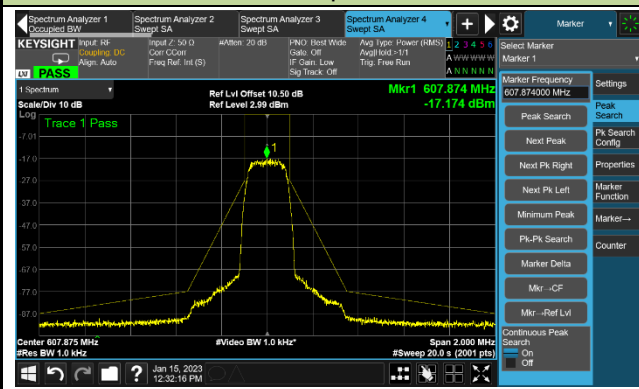
Step 1



Step 2

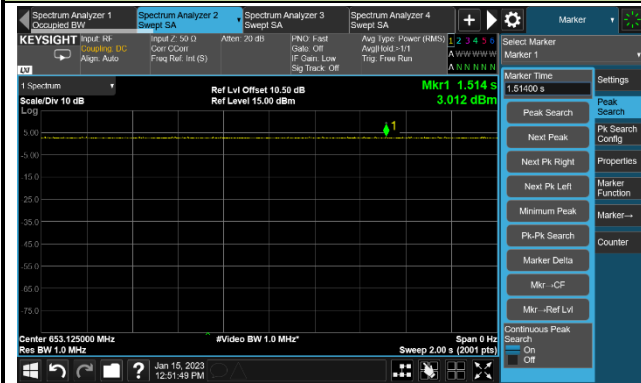


Step 3

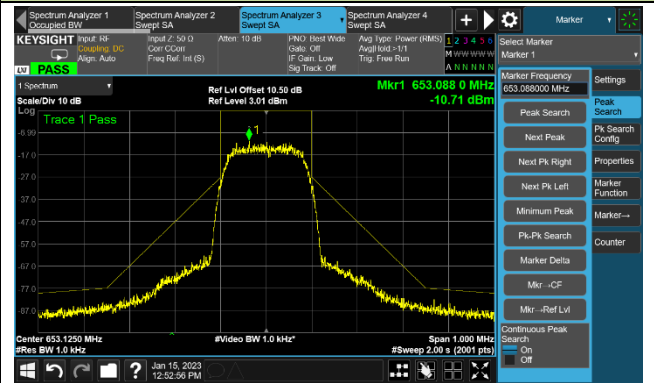


Necessary Bandwidth - STD Mode, 2mW, 653.125MHz

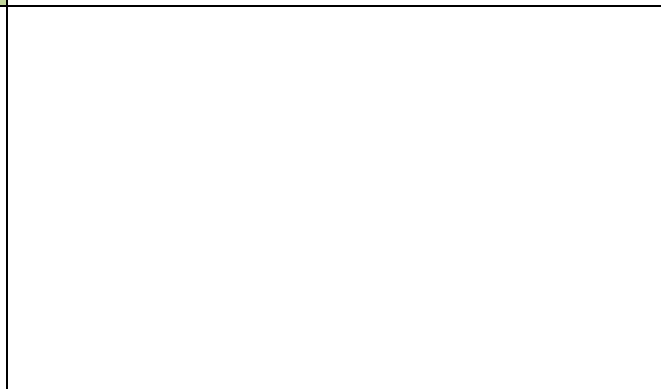
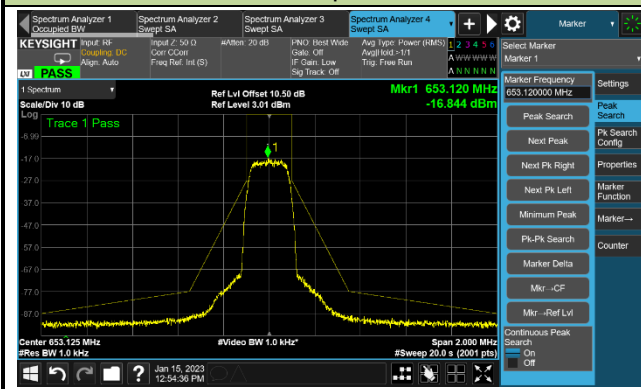
Step 1



Step 2

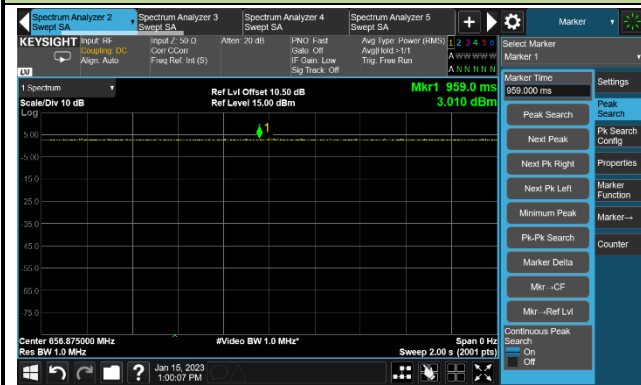


Step 3

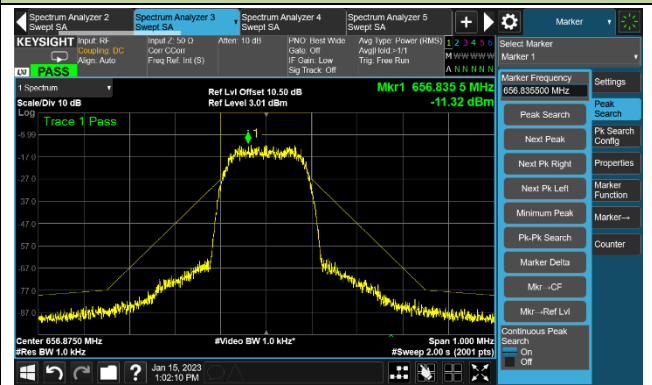


Necessary Bandwidth - STD Mode, 2mW, 656.875MHz

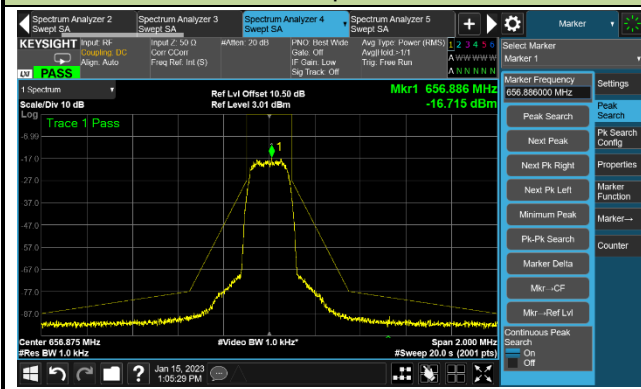
Step 1



Step 2

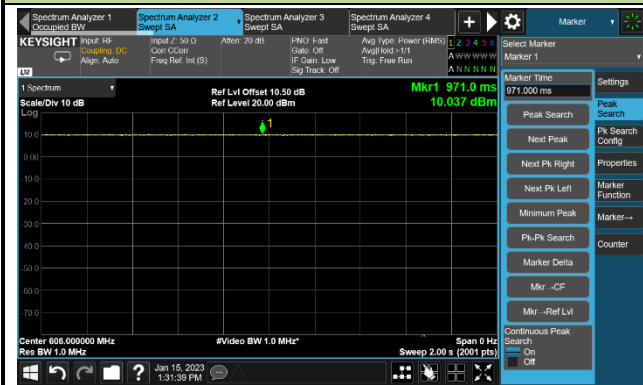


Step 3

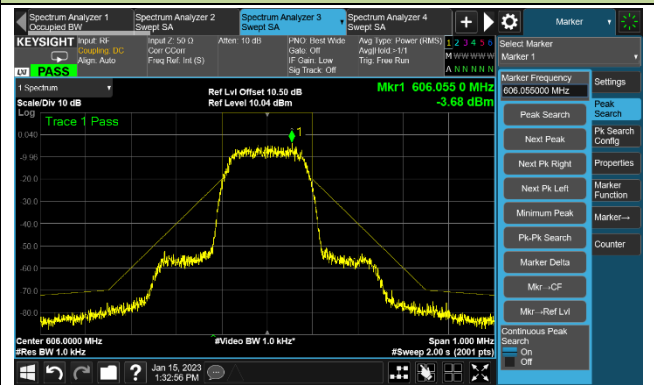


Necessary Bandwidth - STD Mode, 10mW, 606.000MHz

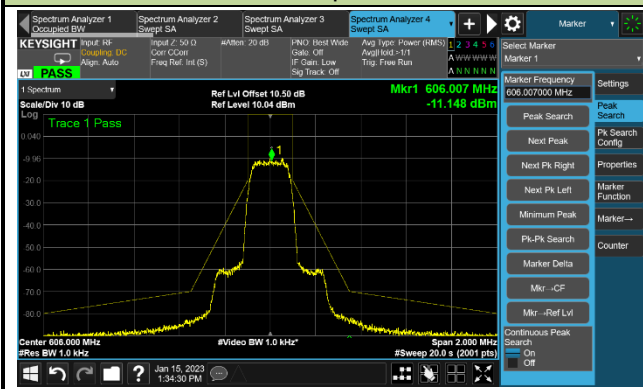
Step 1



Step 2



Step 3

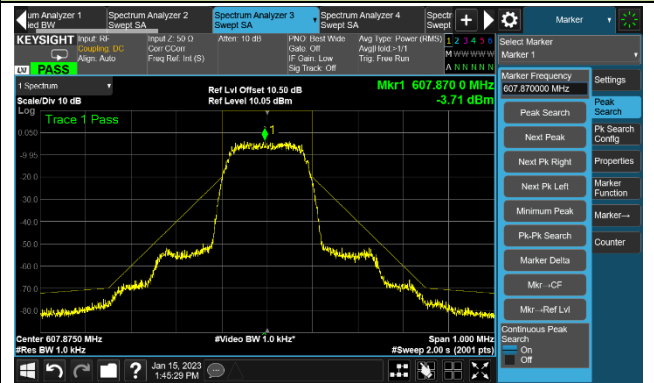


Necessary Bandwidth - STD Mode, 10mW, 607.875MHz

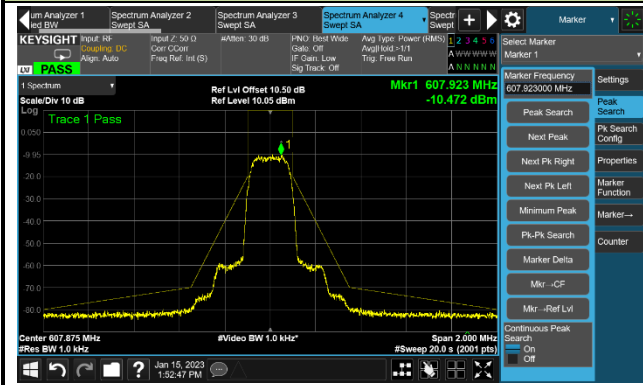
Step 1



Step 2

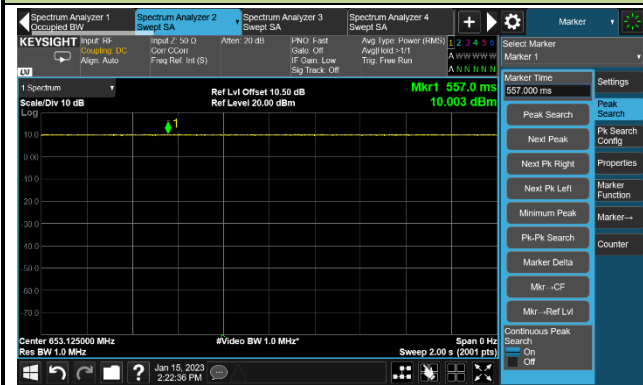


Step 3

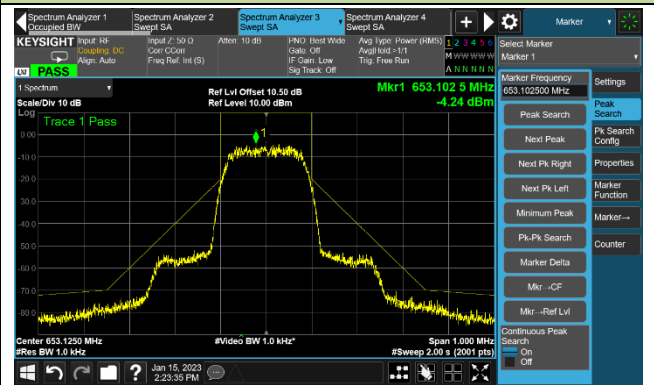


Necessary Bandwidth - STD Mode, 10mW, 653.125MHz

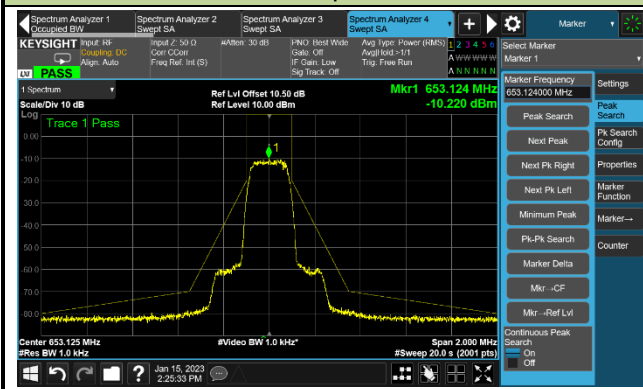
Step 1



Step 2

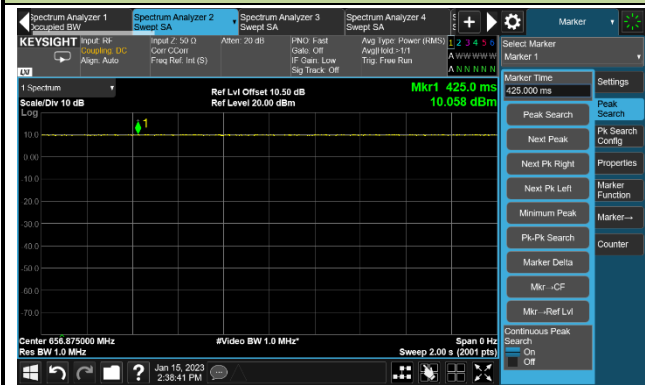


Step 3

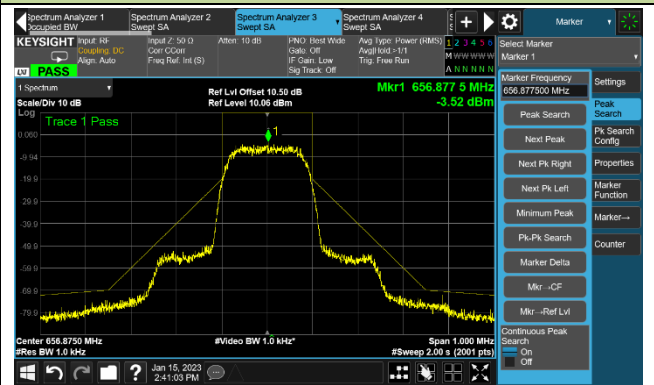


Necessary Bandwidth - STD Mode, 10mW, 656.875MHz

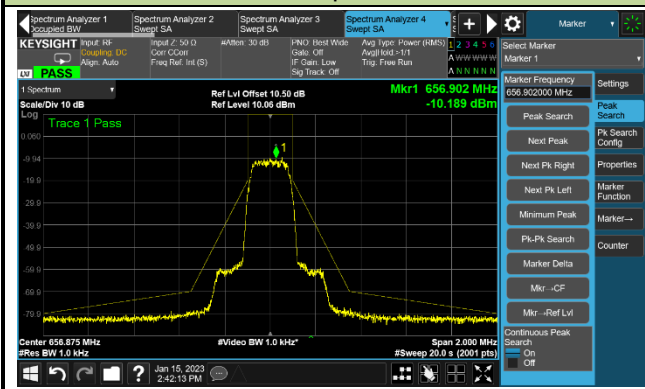
Step 1



Step 2

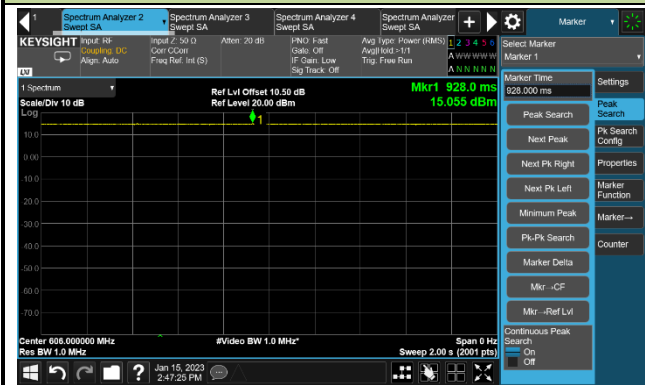


Step 3

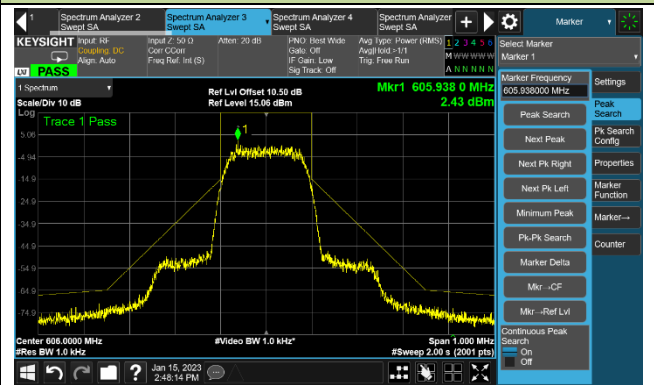


Necessary Bandwidth - STD Mode, 35mW, 606.000MHz

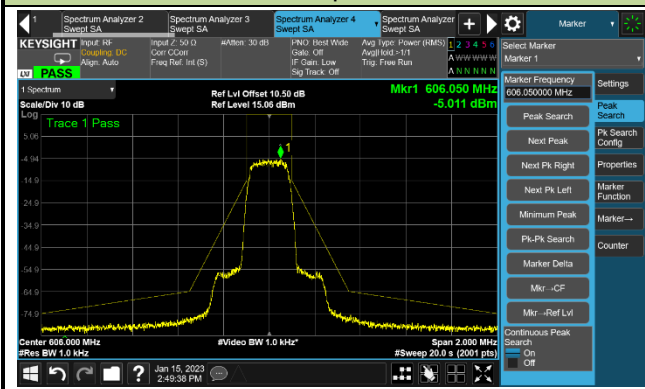
Step 1



Step 2

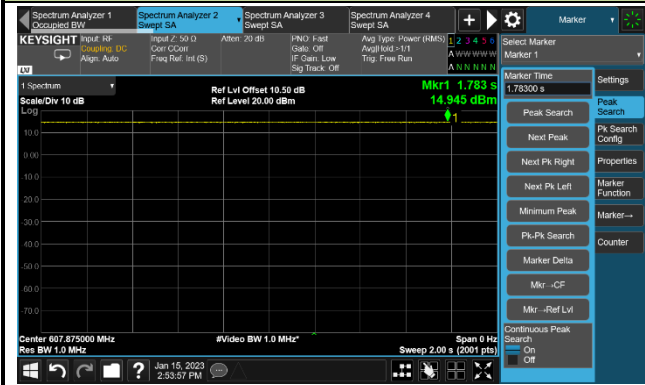


Step 3

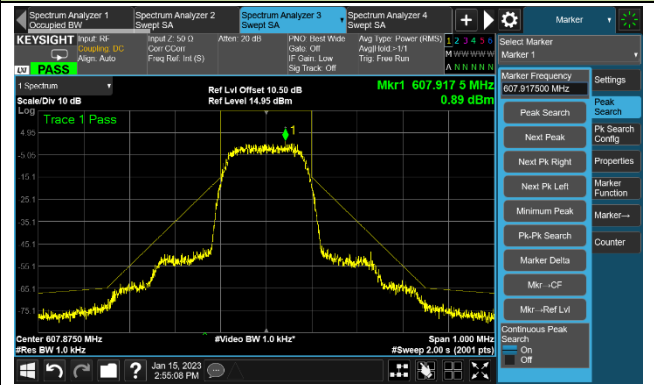


Necessary Bandwidth - STD Mode, 35mW, 607.875MHz

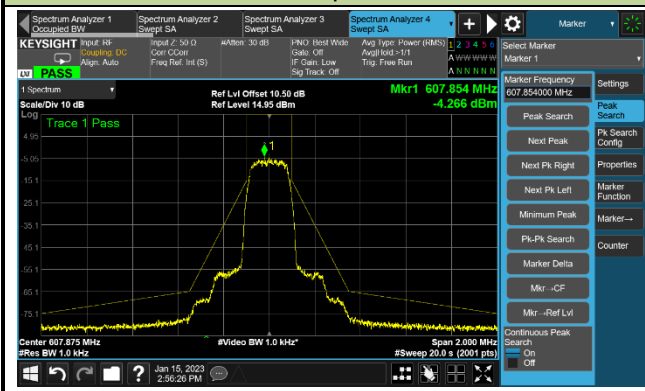
Step 1



Step 2

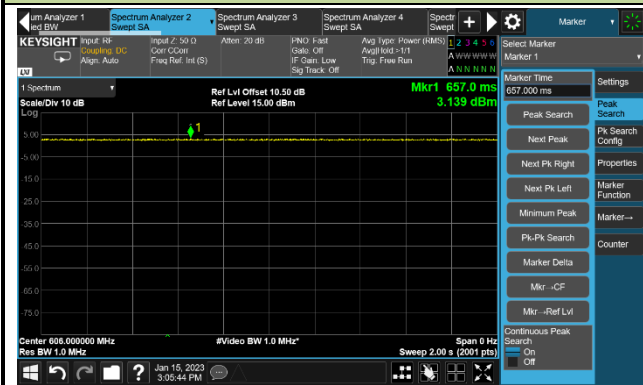


Step 3

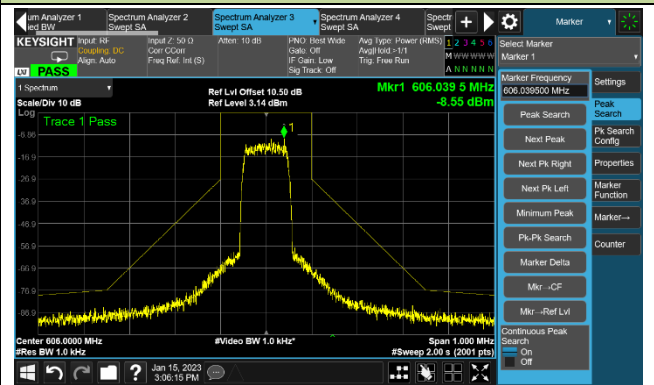


Necessary Bandwidth - HD Mode, 2mW, 606.000MHz

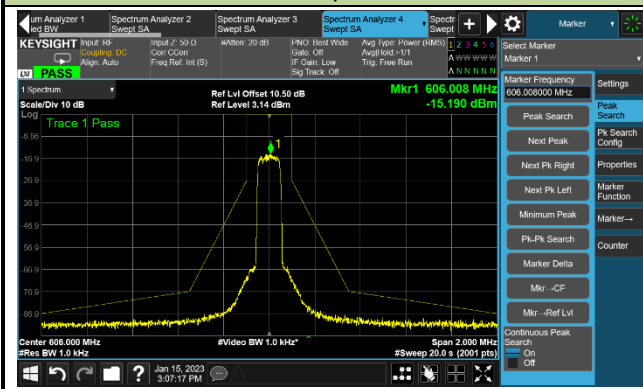
Step 1



Step 2

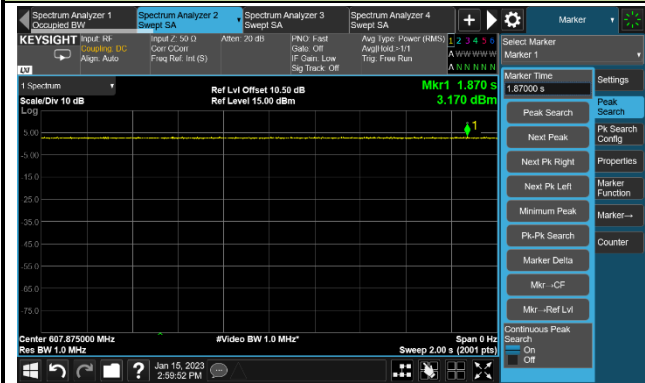


Step 3

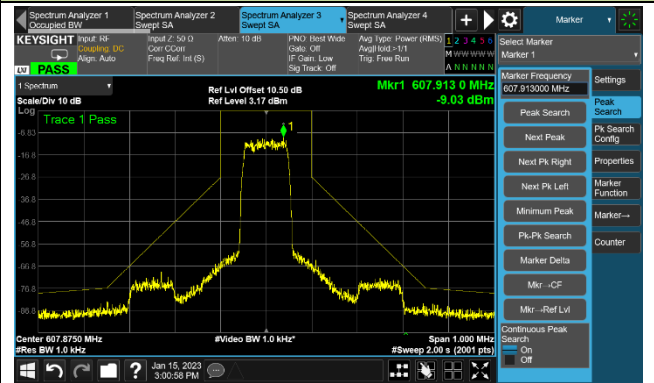


Necessary Bandwidth - HD Mode, 2mW, 607.875 MHz

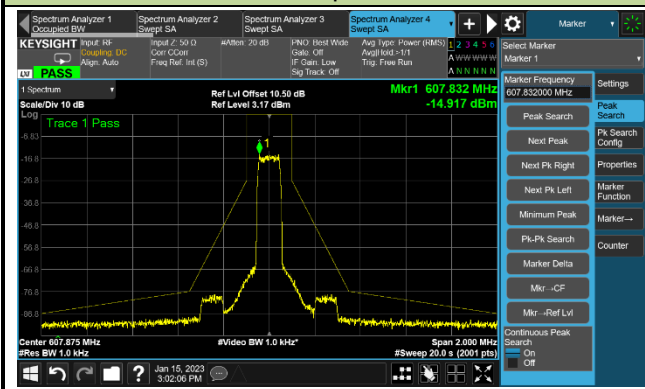
Step 1



Step 2

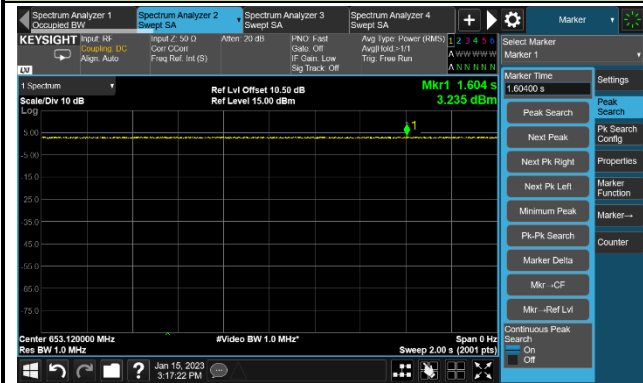


Step 3

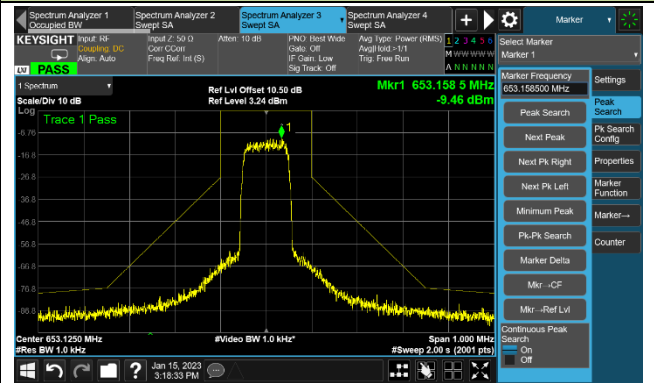


Necessary Bandwidth - HD Mode, 2mW, 653.125MHz

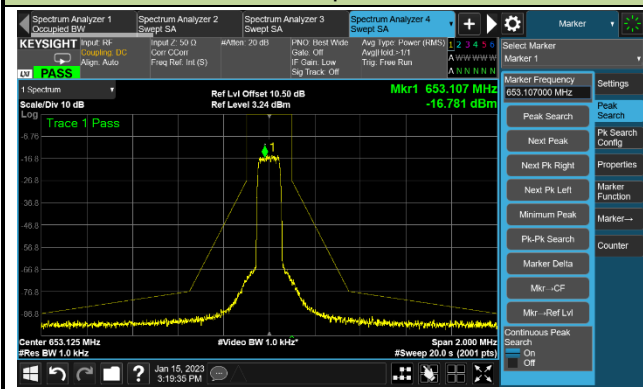
Step 1



Step 2

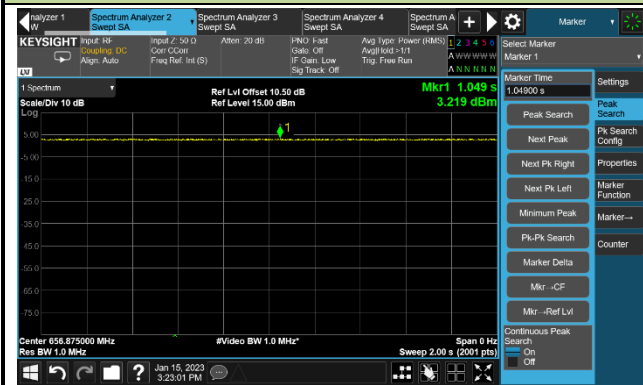


Step 3

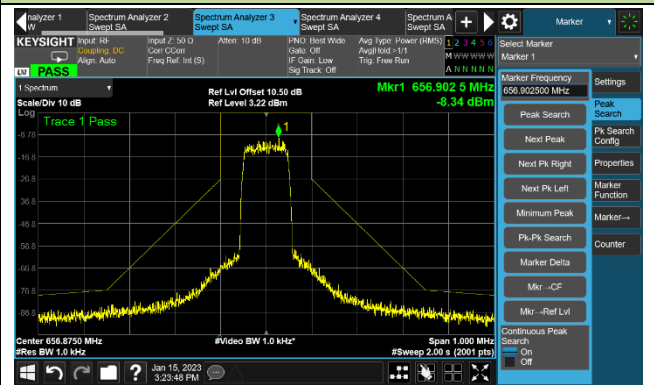


Necessary Bandwidth - HD Mode, 2mW, 656.875MHz

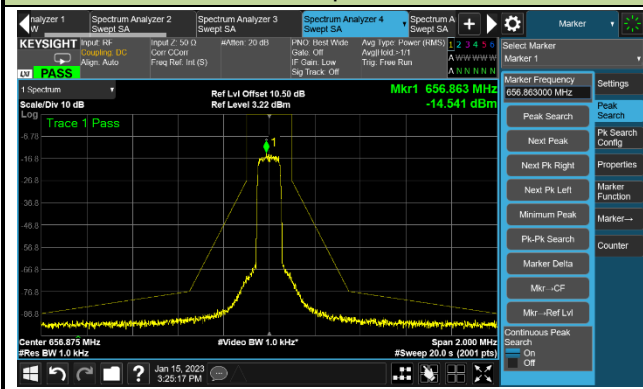
Step 1



Step 2



Step 3



A.6 Radiated Spurious Emissions 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: RMS measurement was not performed when peak measure level was lower than the RMS limit.

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
653.125	47.460	-104.7	32.1	-72.6	-54.0	-18.6	Peak	Horizontal
	721.610	-102.0	38.0	-64.0	-54.0	-10.0	Peak	Horizontal
	97.415	-105.1	40.6	-64.5	-54.0	-10.5	Peak	Vertical
	769.625	-102.5	38.1	-64.4	-54.0	-10.4	Peak	Vertical
	1921.000	-64.1	8.1	-56.0	-30.0	-26.0	Peak	Horizontal
	3097.000	-66.4	10.4	-56.0	-30.0	-26.0	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
656.875	48.915	-105.6	31.9	-73.7	-54.0	-19.7	Peak	Horizontal
	726.945	-102.1	38.0	-64.1	-54.0	-10.1	Peak	Horizontal
	96.930	-105.8	40.4	-65.4	-54.0	-11.4	Peak	Vertical
	762.350	-102.7	38.5	-64.2	-54.0	-10.2	Peak	Vertical
	1921.000	-62.9	8.1	-54.8	-30.0	-24.8	Peak	Horizontal
	3094.000	-65.7	10.3	-55.4	-30.0	-25.4	Peak	Horizontal
	1921.000	-63.3	8.0	-55.3	-30.0	-25.3	Peak	Vertical
	4054.000	-68.7	12.7	-56.0	-30.0	-26.0	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: RMS measurement was not performed when peak measure level was lower than the RMS limit.

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

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
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: RMS measurement was not performed when peak measure level was lower than the RMS limit.

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

Test Channel (MHz)	Frequency (MHz)	Reading Level (dBm)	Substitution Factor (dB)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Polarization
653.125	50.370	-104.7	31.4	-73.3	-54.0	-19.3	Peak	Horizontal
	718.700	-102.1	38.0	-64.1	-54.0	-10.1	Peak	Horizontal
	98.385	-104.9	40.2	-64.7	-54.0	-10.7	Peak	Vertical
	703.665	-103.7	37.3	-66.4	-54.0	-12.4	Peak	Vertical
	1921.000	-64.1	8.1	-56.0	-30.0	-26.0	Peak	Horizontal
	3835.000	-67.6	11.8	-55.8	-30.0	-25.8	Peak	Horizontal
	1921.000	-62.9	8.0	-54.9	-30.0	-24.9	Peak	Vertical
	4144.000	-68.9	13.3	-55.6	-30.0	-25.6	Peak	Vertical
656.875	53.765	-104.0	30.2	-73.8	-54.0	-19.8	Peak	Horizontal
	712.880	-101.8	37.9	-63.9	-54.0	-9.9	Peak	Horizontal
	97.900	-105.7	40.7	-65.0	-54.0	-11.0	Peak	Vertical
	775.445	-103.2	38.1	-65.1	-54.0	-11.1	Peak	Vertical
	1921.000	-64.2	8.1	-56.1	-30.0	-26.1	Peak	Horizontal
	3100.000	-65.5	10.4	-55.1	-30.0	-25.1	Peak	Horizontal
	1921.000	-63.5	8.0	-55.5	-30.0	-25.5	Peak	Vertical
	4831.000	-68.8	14.8	-54.0	-30.0	-24.0	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: RMS measurement was not performed when peak measure level was lower than the RMS limit.

Appendix B – Test Setup Photograph

Refer to “ 2211RSU077-UT” file.

Appendix C – EUT Photograph

Refer to “2211RSU077-UE” file.