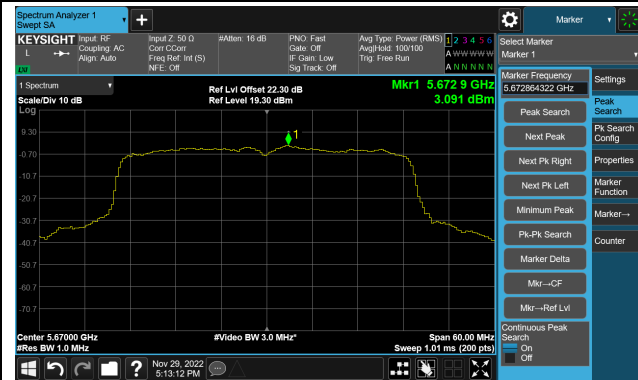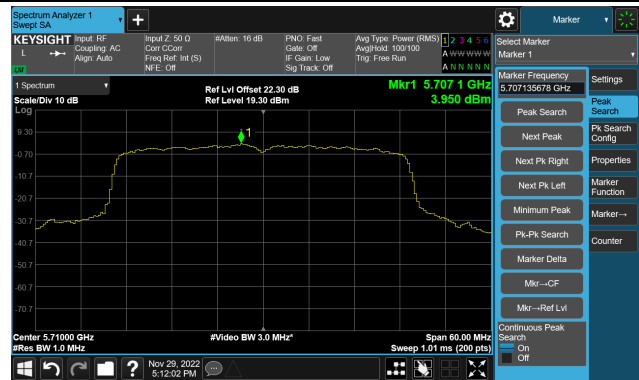## 802.11ax-HE40 Power Spectral Density- Ant 1

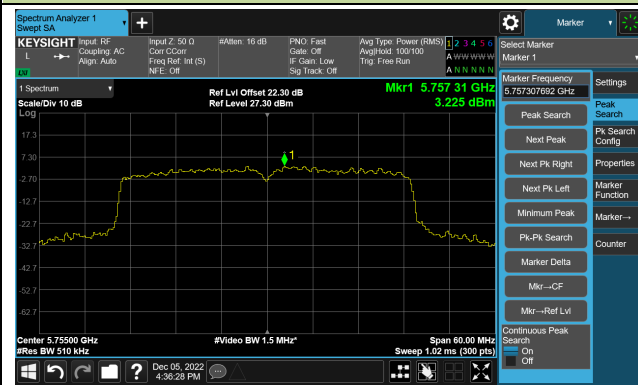### Channel 134 (5670MHz)

Channel 142(5710MHz)
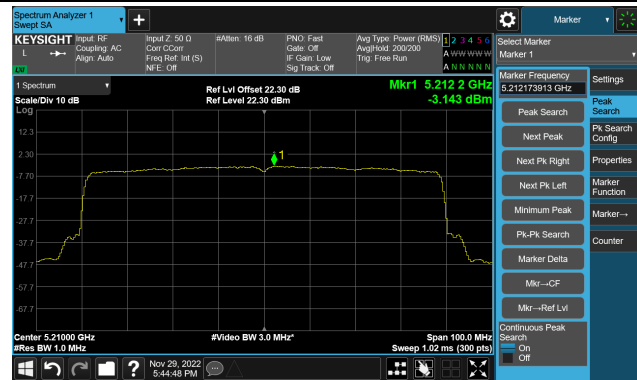

Channel 151 (5755MHz)

Channel 159 (5795MHz)
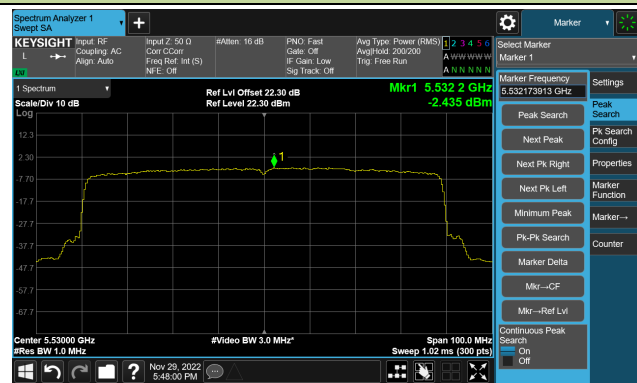
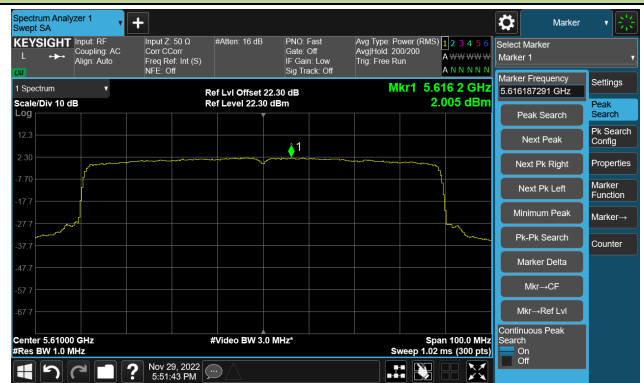## 802.11ax-HE80 Power Spectral Density- Ant 1

Channel 42 (5210MHz)	Channel 58 (5290MHz)

Channel 106 (5530MHz)	Channel 122 (5610MHz)

Channel 138 (5690MHz)	Channel 155 (5775MHz)
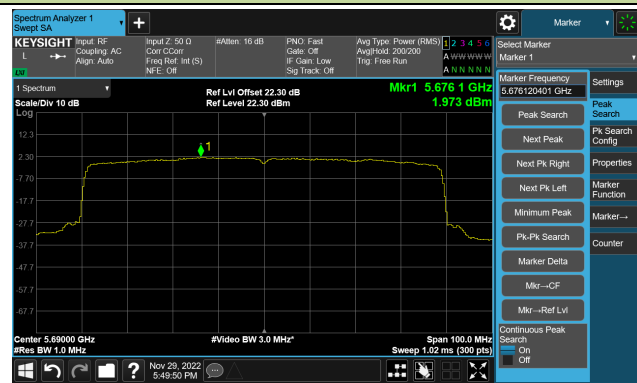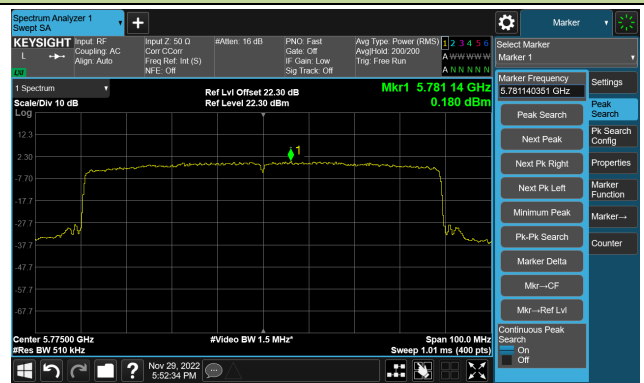
A.6   Frequency Stability Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-12-06	Test Mode	5180MHz (Carrier Mode)

Voltage	Power	Temp	Frequency Tolerance (ppm)			
(%)	(VAC)	(°C)	0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	13.35	13.69	13.64	13.60
		- 20	14.14	13.80	14.05	13.69
		- 10	12.45	11.96	12.02	12.05
		0	9.29	9.10	9.05	8.94
		+ 10	5.81	4.98	5.02	5.01
		+ 20	2.40	1.26	0.97	0.93
		+ 30	-2.24	-2.64	-2.61	-1.61
		+ 40	-4.89	-5.47	-5.44	-5.51
		+ 50	-6.73	-6.96	-6.92	-6.92
115%	138	+ 20	-2.45	-4.05	-4.43	-4.63
85%	102	+ 20	0.03	-2.39	-3.13	-3.63

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} $*10^6$.

A.7   Radiated Spurious Emission Test Result

Test Site	SIP-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11a – Channel 36
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8684.0	48.1	-5.4	42.7	68.2	-25.5	Peak	Horizontal
*	10358.5	53.7	-4.7	49.0	68.2	-19.2	Peak	Horizontal
	12449.5	46.9	-3.0	43.9	74.0	-30.1	Peak	Horizontal
	15543.5	46.9	2.1	49.0	74.0	-25.0	Peak	Horizontal
*	7018.0	50.2	-7.3	42.9	68.2	-25.3	Peak	Vertical
*	10358.5	65.9	-4.7	61.2	68.2	-7.0	Peak	Vertical
	11557.0	48.5	-3.9	44.6	74.0	-29.4	Peak	Vertical
	15535.0	57.0	2.3	59.3	74.0	-14.7	Peak	Vertical
	15535.0	43.5	2.3	45.8	54.0	-8.2	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11a – Channel 44
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)		Polarization
	8242.0	47.5	-5.7	41.8	74.0	-32.2	Peak	Horizontal
*	10435.0	56.2	-4.7	51.5	68.2	-16.7	Peak	Horizontal
	15654.0	55.9	1.8	57.7	74.0	-16.3	Peak	Horizontal
	15654.0	42.6	1.8	44.4	54.0	-9.6	Average	Horizontal
*	17337.0	43.5	6.5	50.0	68.2	-18.2	Peak	Horizontal
*	7978.5	48.5	-6.1	42.4	68.2	-25.8	Peak	Vertical
*	10435.0	69.8	-4.7	65.1	68.2	-3.1	Peak	Vertical
	11846.0	46.9	-3.5	43.4	74.0	-30.6	Peak	Vertical
	15654.0	65.4	1.8	67.2	74.0	-6.8	Peak	Vertical
	15654.0	52.1	1.8	53.9	54.0	-0.1	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11a – Channel 48
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8743.5	48.2	-5.4	42.8	68.2	-25.4	Peak	Horizontal
	9474.5	49.4	-5.0	44.4	74.0	-29.6	Peak	Horizontal
*	10477.5	58.0	-4.5	53.5	68.2	-14.7	Peak	Horizontal
	15722.0	55.2	2.4	57.6	74.0	-16.4	Peak	Horizontal
	15722.0	41.5	2.4	43.9	54.0	-10.1	Average	Horizontal
	8386.5	48.9	-5.8	43.1	74.0	-30.9	Peak	Vertical
*	10486.0	69.8	-4.3	65.5	68.2	-2.7	Peak	Vertical
*	12993.5	46.2	-2.7	43.5	68.2	-24.7	Peak	Vertical
	15722.0	63.6	2.4	66.0	74.0	-8.0	Peak	Vertical
	15722.0	50.2	2.4	52.6	54.0	-1.4	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11a – Channel 52
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8905.0	47.9	-5.4	42.5	68.2	-25.7	Peak	Horizontal
*	10520.0	50.4	-4.5	45.9	68.2	-22.3	Peak	Horizontal
	12109.5	47.0	-3.4	43.6	74.0	-30.4	Peak	Horizontal
	15883.5	44.7	2.7	47.4	74.0	-26.6	Peak	Horizontal
	8216.5	49.5	-5.7	43.8	74.0	-30.2	Peak	Vertical
*	10520.0	56.6	-4.5	52.1	68.2	-16.1	Peak	Vertical
*	13724.5	47.0	-1.1	45.9	68.2	-22.3	Peak	Vertical
	15781.5	45.2	2.1	47.3	74.0	-26.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11a – Channel 60
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8429.0	49.6	-5.8	43.8	74.0	-30.2	Peak	Horizontal
*	10596.5	48.9	-4.4	44.5	68.2	-23.7	Peak	Horizontal
*	13733.0	46.2	-0.8	45.4	68.2	-22.8	Peak	Horizontal
	15909.0	43.6	3.3	46.9	74.0	-27.1	Peak	Horizontal
	8480.0	48.6	-5.6	43.0	74.0	-31.0	Peak	Vertical
*	10596.5	56.3	-4.4	51.9	68.2	-16.3	Peak	Vertical
	11786.5	47.8	-4.1	43.7	74.0	-30.3	Peak	Vertical
*	14753.0	44.8	1.4	46.2	68.2	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11a – Channel 64
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8106.0	49.0	-6.0	43.0	74.0	-31.0	Peak	Horizontal
	10647.5	49.6	-4.7	44.9	74.0	-29.1	Peak	Horizontal
*	13061.5	46.2	-2.7	43.5	68.2	-24.7	Peak	Horizontal
*	15314.0	45.1	1.8	46.9	68.2	-21.3	Peak	Horizontal
	7681.0	49.8	-6.4	43.4	74.0	-30.6	Peak	Vertical
	10639.0	55.3	-4.8	50.5	74.0	-23.5	Peak	Vertical
*	13707.5	45.5	-1.2	44.3	68.2	-23.9	Peak	Vertical
*	17345.5	44.6	6.2	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11a – Channel 100
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	7587.5	48.7	-6.4	42.3	74.0	-31.7	Peak	Horizontal
*	8794.5	49.0	-5.1	43.9	68.2	-24.3	Peak	Horizontal
	11820.5	47.8	-3.6	44.2	74.0	-29.8	Peak	Horizontal
*	14923.0	45.5	0.8	46.3	68.2	-21.9	Peak	Horizontal
	7630.0	47.9	-6.5	41.4	74.0	-32.6	Peak	Vertical
*	8803.0	50.3	-5.2	45.1	68.2	-23.1	Peak	Vertical
	10996.0	51.2	-4.6	46.6	74.0	-27.4	Peak	Vertical
*	17362.5	44.0	5.7	49.7	68.2	-18.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11a – Channel 116
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	10996.0	48.2	-4.6	43.6	74.0	-30.4	Peak	Horizontal
*	12891.5	45.6	-2.8	42.8	68.2	-25.4	Peak	Horizontal
*	14821.0	44.9	1.1	46.0	68.2	-22.2	Peak	Horizontal
	16113.0	44.9	3.4	48.3	74.0	-25.7	Peak	Horizontal
	8165.5	48.6	-5.8	42.8	74.0	-31.2	Peak	Vertical
*	10375.5	49.6	-4.7	44.9	68.2	-23.3	Peak	Vertical
	11166.0	51.8	-4.4	47.4	74.0	-26.6	Peak	Vertical
*	14617.0	45.5	0.8	46.3	68.2	-21.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11a – Channel 140
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8616.0	48.2	-5.7	42.5	68.2	-25.7	Peak	Horizontal
*	10392.5	48.4	-4.6	43.8	68.2	-24.4	Peak	Horizontal
	12509.0	46.7	-2.7	44.0	74.0	-30.0	Peak	Horizontal
	15407.5	45.3	1.3	46.6	74.0	-27.4	Peak	Horizontal
*	7868.0	47.9	-5.9	42.0	68.2	-26.2	Peak	Vertical
	9117.5	50.7	-5.6	45.1	74.0	-28.9	Peak	Vertical
	11395.5	54.1	-4.3	49.8	74.0	-24.2	Peak	Vertical
*	14914.5	45.3	0.9	46.2	68.2	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11a – Channel 144
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8182.5	48.5	-5.8	42.7	74.0	-31.3	Peak	Horizontal
*	9636.0	48.2	-5.2	43.0	68.2	-25.2	Peak	Horizontal
	11429.5	47.7	-4.1	43.6	74.0	-30.4	Peak	Horizontal
*	13835.0	45.9	-1.0	44.9	68.2	-23.3	Peak	Horizontal
*	7919.0	48.5	-6.4	42.1	68.2	-26.1	Peak	Vertical
	11438.0	61.1	-4.2	56.9	74.0	-17.1	Peak	Vertical
	11438.0	49.0	-4.2	44.8	54.0	-9.2	Average	Vertical
*	14855.0	44.4	1.0	45.4	68.2	-22.8	Peak	Vertical
	15807.0	44.8	3.0	47.8	74.0	-26.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11a – Channel 149
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	9712.5	48.7	-5.2	43.5	68.2	-24.7	Peak	Horizontal
	11489.0	54.0	-3.8	50.2	74.0	-23.8	Peak	Horizontal
	15841.0	45.2	2.8	48.0	74.0	-26.0	Peak	Horizontal
*	17235.0	45.4	5.0	50.4	68.2	-17.8	Peak	Horizontal
	9194.0	50.1	-5.5	44.6	74.0	-29.4	Peak	Vertical
	11497.5	69.5	-3.7	65.8	74.0	-8.2	Peak	Vertical
	11497.5	57.6	-3.7	53.9	54.0	-0.1	Average	Vertical
*	13614.0	46.0	-0.8	45.2	68.2	-23.0	Peak	Vertical
*	17226.5	49.6	4.9	54.5	68.2	-13.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11a – Channel 157
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9661.5	48.2	-5.1	43.1	68.2	-25.1	Peak	Horizontal
	11574.0	60.2	-3.9	56.3	74.0	-17.7	Peak	Horizontal
	11574.0	48.6	-3.9	44.7	54.0	-9.3	Average	Horizontal
	15892.0	44.4	2.4	46.8	74.0	-27.2	Peak	Horizontal
*	17345.5	44.8	6.2	51.0	68.2	-17.2	Peak	Horizontal
	7349.5	49.8	-6.9	42.9	74.0	-31.1	Peak	Vertical
*	9253.5	50.6	-5.1	45.5	68.2	-22.7	Peak	Vertical
	11565.5	69.7	-3.9	65.8	74.0	-8.2	Peak	Vertical
	11565.5	57.7	-3.9	53.8	54.0	-0.2	Average	Vertical
*	17345.5	49.3	6.2	55.5	68.2	-12.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11a – Channel 165
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8794.5	47.8	-5.1	42.7	68.2	-25.5	Peak	Horizontal
*	9908.0	47.5	-4.8	42.7	68.2	-25.5	Peak	Horizontal
	11650.5	60.1	-4.0	56.1	74.0	-17.9	Peak	Horizontal
	11650.5	48.5	-4.0	44.5	54.0	-9.5	Average	Horizontal
	15688.0	45.0	2.4	47.4	74.0	-26.6	Peak	Horizontal
*	10018.5	48.6	-4.8	43.8	68.2	-24.4	Peak	Vertical
	11659.0	69.5	-3.9	65.6	74.0	-8.4	Peak	Vertical
	11659.0	57.7	-3.9	53.8	54.0	-0.2	Average	Vertical
	15662.5	45.3	1.8	47.1	74.0	-26.9	Peak	Vertical
*	17481.5	47.5	5.5	53.0	68.2	-15.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11ac-VHT20 – Channel 36
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8182.5	48.8	-5.8	43.0	74.0	-31.0	Peak	Horizontal
*	10358.5	52.3	-4.7	47.6	68.2	-20.6	Peak	Horizontal
	11633.5	47.4	-4.2	43.2	74.0	-30.8	Peak	Horizontal
*	17337.0	43.6	6.5	50.1	68.2	-18.1	Peak	Horizontal
*	8709.5	47.5	-5.3	42.2	68.2	-26.0	Peak	Vertical
*	10358.5	56.5	-4.7	51.8	68.2	-16.4	Peak	Vertical
	11854.5	47.3	-3.7	43.6	74.0	-30.4	Peak	Vertical
	15543.5	56.3	2.1	58.4	74.0	-15.6	Peak	Vertical
	15543.5	44.2	2.1	46.3	54.0	-7.7	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11ac-VHT20 – Channel 44
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8106.0	49.1	-6.0	43.1	74.0	-30.9	Peak	Horizontal
*	10443.5	57.9	-4.7	53.2	68.2	-15.0	Peak	Horizontal
*	13784.0	46.0	-0.9	45.1	68.2	-23.1	Peak	Horizontal
	15662.5	48.7	1.8	50.5	74.0	-23.5	Peak	Horizontal
*	8760.5	48.3	-5.3	43.0	68.2	-25.2	Peak	Vertical
*	10435.0	61.1	-4.7	56.4	68.2	-11.8	Peak	Vertical
	11633.5	47.5	-4.2	43.3	74.0	-30.7	Peak	Vertical
	15662.5	64.2	1.8	66.0	74.0	-8.0	Peak	Vertical
	15662.5	52.1	1.8	53.9	54.0	-0.1	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11ac-VHT20 – Channel 48
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8675.5	47.8	-5.5	42.3	68.2	-25.9	Peak	Horizontal
*	10486.0	55.2	-4.3	50.9	68.2	-17.3	Peak	Horizontal
	12670.5	46.9	-2.9	44.0	74.0	-30.0	Peak	Horizontal
	15713.5	48.4	2.4	50.8	74.0	-23.2	Peak	Horizontal
*	8956.0	47.6	-5.2	42.4	68.2	-25.8	Peak	Vertical
*	10477.5	61.3	-4.5	56.8	68.2	-11.4	Peak	Vertical
	12194.5	47.1	-3.3	43.8	74.0	-30.2	Peak	Vertical
	15722.0	61.6	2.4	64.0	74.0	-10.0	Peak	Vertical
	15722.0	50.4	2.4	52.8	54.0	-1.2	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11ac-VHT20 – Channel 52
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8658.5	46.2	-5.6	40.6	68.2	-27.6	Peak	Horizontal
*	10528.5	49.8	-4.4	45.4	68.2	-22.8	Peak	Horizontal
	11922.5	47.2	-3.9	43.3	74.0	-30.7	Peak	Horizontal
	15815.5	45.0	2.8	47.8	74.0	-26.2	Peak	Horizontal
*	10520.0	52.9	-4.5	48.4	68.2	-19.8	Peak	Vertical
	12220.0	47.4	-3.2	44.2	74.0	-29.8	Peak	Vertical
	15662.5	44.5	1.8	46.3	74.0	-27.7	Peak	Vertical
*	17371.0	44.0	5.6	49.6	68.2	-18.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11ac-VHT20 – Channel 60
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8896.5	48.6	-5.4	43.2	68.2	-25.0	Peak	Horizontal
	10605.0	49.3	-4.4	44.9	74.0	-29.1	Peak	Horizontal
*	12781.0	46.8	-2.4	44.4	68.2	-23.8	Peak	Horizontal
	15807.0	44.3	3.0	47.3	74.0	-26.7	Peak	Horizontal
	8480.0	48.0	-5.6	42.4	74.0	-31.6	Peak	Vertical
	10605.0	52.9	-4.4	48.5	74.0	-25.5	Peak	Vertical
*	12798.0	45.6	-2.3	43.3	68.2	-24.9	Peak	Vertical
*	14914.5	45.2	0.9	46.1	68.2	-22.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11ac-VHT20 – Channel 64
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8208.0	48.1	-5.8	42.3	74.0	-31.7	Peak	Horizontal
*	10129.0	48.4	-4.6	43.8	68.2	-24.4	Peak	Horizontal
	11489.0	47.6	-3.8	43.8	74.0	-30.2	Peak	Horizontal
*	13724.5	45.7	-1.1	44.6	68.2	-23.6	Peak	Horizontal
	8216.5	48.9	-5.7	43.2	74.0	-30.8	Peak	Vertical
	10630.5	52.4	-4.6	47.8	74.0	-26.2	Peak	Vertical
*	13979.5	46.2	-0.9	45.3	68.2	-22.9	Peak	Vertical
*	17337.0	43.0	6.5	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11ac-VHT20 – Channel 100
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	7621.5	48.4	-6.6	41.8	74.0	-32.2	Peak	Horizontal
*	8981.5	48.0	-5.2	42.8	68.2	-25.4	Peak	Horizontal
	10979.0	47.7	-4.3	43.4	74.0	-30.6	Peak	Horizontal
*	13614.0	46.7	-0.8	45.9	68.2	-22.3	Peak	Horizontal
	8165.5	47.8	-5.8	42.0	74.0	-32.0	Peak	Vertical
	11004.5	49.8	-4.5	45.3	74.0	-28.7	Peak	Vertical
*	12721.5	47.4	-3.2	44.2	68.2	-24.0	Peak	Vertical
*	15101.5	45.5	1.1	46.6	68.2	-21.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11ac-VHT20 – Channel 116
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9925.0	47.9	-4.9	43.0	68.2	-25.2	Peak	Horizontal
	11115.0	47.6	-4.3	43.3	74.0	-30.7	Peak	Horizontal
*	13741.5	46.0	-1.1	44.9	68.2	-23.3	Peak	Horizontal
	15696.5	44.6	2.4	47.0	74.0	-27.0	Peak	Horizontal
*	8930.5	49.9	-5.6	44.3	68.2	-23.9	Peak	Vertical
	11157.5	52.0	-4.4	47.6	74.0	-26.4	Peak	Vertical
*	14251.5	46.9	-1.0	45.9	68.2	-22.3	Peak	Vertical
	15926.0	43.9	3.5	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11ac-VHT20 – Channel 140
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	9058.0	48.2	-5.2	43.0	74.0	-31.0	Peak	Horizontal
	12169.0	47.5	-3.2	44.3	74.0	-29.7	Peak	Horizontal
*	14404.5	45.7	0.2	45.9	68.2	-22.3	Peak	Horizontal
*	17345.5	43.6	6.2	49.8	68.2	-18.4	Peak	Horizontal
	9117.5	50.3	-5.6	44.7	74.0	-29.3	Peak	Vertical
	11395.5	53.9	-4.3	49.6	74.0	-24.4	Peak	Vertical
*	13733.0	45.2	-0.8	44.4	68.2	-23.8	Peak	Vertical
*	16538.0	43.3	3.9	47.2	68.2	-21.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11ac-VHT20 – Channel 144
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	7630.0	49.2	-6.5	42.7	74.0	-31.3	Peak	Horizontal
*	10205.5	48.0	-4.7	43.3	68.2	-24.9	Peak	Horizontal
*	13435.5	46.3	-2.2	44.1	68.2	-24.1	Peak	Horizontal
	15569.0	42.4	2.4	44.8	74.0	-29.2	Peak	Horizontal
*	8701.0	48.3	-5.3	43.0	68.2	-25.2	Peak	Vertical
	11438.0	54.0	-4.2	49.8	74.0	-24.2	Peak	Vertical
*	13699.0	45.9	-1.1	44.8	68.2	-23.4	Peak	Vertical
	16198.0	45.6	3.0	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-11-30	Test Mode	802.11ac-VHT20 – Channel 149
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8692.5	48.1	-5.4	42.7	68.2	-25.5	Peak	Horizontal
	11497.5	52.2	-3.7	48.5	74.0	-25.5	Peak	Horizontal
*	13767.0	45.5	-0.8	44.7	68.2	-23.5	Peak	Horizontal
	15875.0	44.4	3.0	47.4	74.0	-26.6	Peak	Horizontal
	9194.0	50.5	-5.5	45.0	74.0	-29.0	Peak	Vertical
	11489.0	65.8	-3.8	62.0	74.0	-12.0	Peak	Vertical
	11489.0	57.3	-3.8	53.5	54.0	-0.5	Average	Vertical
*	13724.5	45.6	-1.1	44.5	68.2	-23.7	Peak	Vertical
*	17235.0	47.7	5.0	52.7	68.2	-15.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11ac-VHT20 – Channel 157
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8242.0	47.8	-5.7	42.1	74.0	-31.9	Peak	Horizontal
	11574.0	58.4	-3.9	54.5	74.0	-19.5	Peak	Horizontal
	11574.0	49.2	-3.9	45.3	54.0	-8.7	Average	Horizontal
*	14396.0	44.3	0.4	44.7	68.2	-23.5	Peak	Horizontal
*	17354.0	44.6	5.8	50.4	68.2	-17.8	Peak	Horizontal
	8293.0	47.9	-5.7	42.2	74.0	-31.8	Peak	Vertical
*	9253.5	50.3	-5.1	45.2	68.2	-23.0	Peak	Vertical
	11565.5	65.4	-3.9	61.5	74.0	-12.5	Peak	Vertical
	11565.5	57.4	-3.9	53.5	54.0	-0.5	Average	Vertical
*	17354.0	48.4	5.8	54.2	68.2	-14.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-11-30		Test Mode	802.11ac-VHT20 – Channel 165
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	9491.5	47.9	-4.8	43.1	74.0	-30.9	Peak	Horizontal
	11650.5	58.1	-4.0	54.1	74.0	-19.9	Peak	Horizontal
	11650.5	49.8	-4.0	45.8	54.0	-8.2	Average	Horizontal
*	13699.0	45.6	-1.1	44.5	68.2	-23.7	Peak	Horizontal
*	16742.0	44.4	3.9	48.3	68.2	-19.9	Peak	Horizontal
	9321.5	50.0	-5.3	44.7	74.0	-29.3	Peak	Vertical
	11650.5	65.7	-4.0	61.7	74.0	-12.3	Peak	Vertical
	11650.5	57.3	-4.0	53.3	54.0	-0.7	Average	Vertical
*	14277.0	45.2	-0.3	44.9	68.2	-23.3	Peak	Vertical
*	17473.0	49.2	5.4	54.6	68.2	-13.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT40 – Channel 38
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8769.0	47.9	-5.1	42.8	68.2	-25.4	Peak	Horizontal
*	10384.0	48.0	-4.6	43.4	68.2	-24.8	Peak	Horizontal
	11242.5	48.1	-4.2	43.9	74.0	-30.1	Peak	Horizontal
	16121.5	44.1	3.6	47.7	74.0	-26.3	Peak	Horizontal
*	8879.5	48.4	-5.4	43.0	68.2	-25.2	Peak	Vertical
*	10375.5	50.7	-4.7	46.0	68.2	-22.2	Peak	Vertical
	12492.0	46.0	-2.7	43.3	74.0	-30.7	Peak	Vertical
	15917.5	43.6	3.4	47.0	74.0	-27.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ac-VHT40 – Channel 46
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8174.0	48.8	-5.9	42.9	74.0	-31.1	Peak	Horizontal
*	10460.5	55.0	-4.7	50.3	68.2	-17.9	Peak	Horizontal
	15696.5	47.4	2.4	49.8	74.0	-24.2	Peak	Horizontal
*	17337.0	43.4	6.5	49.9	68.2	-18.3	Peak	Horizontal
*	10460.5	58.9	-4.7	54.2	68.2	-14.0	Peak	Vertical
	12322.0	47.3	-3.4	43.9	74.0	-30.1	Peak	Vertical
*	14005.0	45.8	-0.8	45.0	68.2	-23.2	Peak	Vertical
	15679.5	59.2	2.1	61.3	74.0	-12.7	Peak	Vertical
	15679.5	50.3	2.1	52.4	54.0	-1.6	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT40 – Channel 54
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8412.0	48.7	-5.9	42.8	74.0	-31.2	Peak	Horizontal
*	10545.5	50.7	-4.4	46.3	68.2	-21.9	Peak	Horizontal
*	12857.5	46.7	-2.7	44.0	68.2	-24.2	Peak	Horizontal
	15807.0	44.0	3.0	47.0	74.0	-27.0	Peak	Horizontal
*	8769.0	47.4	-5.1	42.3	68.2	-25.9	Peak	Vertical
*	10537.0	56.2	-4.2	52.0	68.2	-16.2	Peak	Vertical
	12177.5	46.5	-3.2	43.3	74.0	-30.7	Peak	Vertical
	15815.5	47.1	2.8	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1			Test Engineer	Arvin Ding	
Test Date	2022-12-01			Test Mode	802.11ac-VHT40 – Channel 62	
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.					

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8225.0	48.1	-5.7	42.4	74.0	-31.6	Peak	Horizontal
*	10520.0	48.1	-4.5	43.6	68.2	-24.6	Peak	Horizontal
	12288.0	46.3	-3.3	43.0	74.0	-31.0	Peak	Horizontal
*	17337.0	43.3	6.5	49.8	68.2	-18.4	Peak	Horizontal
	8259.0	48.0	-5.5	42.5	74.0	-31.5	Peak	Vertical
	10613.5	49.9	-4.4	45.5	74.0	-28.5	Peak	Vertical
*	14719.0	45.3	0.6	45.9	68.2	-22.3	Peak	Vertical
*	17609.0	43.9	5.6	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ac-VHT40 – Channel 102
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8327.0	48.5	-5.8	42.7	74.0	-31.3	Peak	Horizontal
*	10010.0	48.3	-4.6	43.7	68.2	-24.5	Peak	Horizontal
	11599.5	47.8	-3.8	44.0	74.0	-30.0	Peak	Horizontal
*	14821.0	45.1	1.1	46.2	68.2	-22.0	Peak	Horizontal
	8335.5	48.3	-5.7	42.6	74.0	-31.4	Peak	Vertical
	11013.0	49.4	-4.4	45.0	74.0	-29.0	Peak	Vertical
*	13818.0	45.5	-1.3	44.2	68.2	-24.0	Peak	Vertical
*	17379.5	44.0	5.5	49.5	68.2	-18.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT40 – Channel 110
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	7868.0	48.1	-5.9	42.2	68.2	-26.0	Peak	Horizontal
*	9653.0	47.4	-5.0	42.4	68.2	-25.8	Peak	Horizontal
	11778.0	47.3	-4.0	43.3	74.0	-30.7	Peak	Horizontal
	15688.0	44.9	2.4	47.3	74.0	-26.7	Peak	Horizontal
*	7936.0	48.0	-6.0	42.0	68.2	-26.2	Peak	Vertical
*	8879.5	49.5	-5.4	44.1	68.2	-24.1	Peak	Vertical
	11098.0	52.2	-4.4	47.8	74.0	-26.2	Peak	Vertical
	15909.0	43.7	3.3	47.0	74.0	-27.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT40 – Channel 134
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	7519.5	48.6	-7.0	41.6	74.0	-32.4	Peak	Horizontal
*	8786.0	48.5	-5.0	43.5	68.2	-24.7	Peak	Horizontal
	11336.0	47.9	-4.3	43.6	74.0	-30.4	Peak	Horizontal
*	14812.5	45.1	0.8	45.9	68.2	-22.3	Peak	Horizontal
*	7902.0	46.6	-6.5	40.1	68.2	-28.1	Peak	Vertical
	11344.5	60.8	-3.9	56.9	74.0	-17.1	Peak	Vertical
	11344.5	52.7	-3.9	48.8	54.0	-5.2	Average	Vertical
*	13869.0	44.0	-0.5	43.5	68.2	-24.7	Peak	Vertical
	15926.0	44.6	3.5	48.1	74.0	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ac-VHT40 – Channel 142
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	7936.0	47.3	-6.0	41.3	68.2	-26.9	Peak	Horizontal
	9483.0	48.7	-5.0	43.7	74.0	-30.3	Peak	Horizontal
	11429.5	48.7	-4.1	44.6	74.0	-29.4	Peak	Horizontal
*	16334.0	45.0	3.0	48.0	68.2	-20.2	Peak	Horizontal
*	8794.5	48.1	-5.1	43.0	68.2	-25.2	Peak	Vertical
*	10103.5	47.3	-4.6	42.7	68.2	-25.5	Peak	Vertical
	11412.5	61.8	-4.1	57.7	74.0	-16.3	Peak	Vertical
	11412.5	53.7	-4.1	49.6	54.0	-4.4	Average	Vertical
	15790.0	45.0	2.4	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ac-VHT40 – Channel 151
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	7961.5	48.8	-5.9	42.9	68.2	-25.3	Peak	Horizontal
*	10180.0	47.5	-4.7	42.8	68.2	-25.4	Peak	Horizontal
	11514.5	53.0	-3.8	49.2	74.0	-24.8	Peak	Horizontal
	15688.0	44.3	2.4	46.7	74.0	-27.3	Peak	Horizontal
	7706.5	50.2	-6.3	43.9	74.0	-30.1	Peak	Vertical
*	9211.0	51.6	-5.5	46.1	68.2	-22.1	Peak	Vertical
	11506.0	66.2	-3.7	62.5	74.0	-11.5	Peak	Vertical
	11506.0	57.3	-3.7	53.6	54.0	-0.4	Average	Vertical
*	17260.5	46.6	5.2	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT40 – Channel 159
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	7222.0	48.5	-7.1	41.4	68.2	-26.8	Peak	Horizontal
*	8769.0	47.6	-5.1	42.5	68.2	-25.7	Peak	Horizontal
	11582.5	53.7	-3.9	49.8	74.0	-24.2	Peak	Horizontal
	16079.0	44.8	3.0	47.8	74.0	-26.2	Peak	Horizontal
	8318.5	47.8	-5.7	42.1	74.0	-31.9	Peak	Vertical
*	9270.5	50.8	-4.9	45.9	68.2	-22.3	Peak	Vertical
	11591.0	65.7	-3.9	61.8	74.0	-12.2	Peak	Vertical
	11591.0	57.4	-3.9	53.5	54.0	-0.5	Average	Vertical
*	17388.0	47.0	5.3	52.3	68.2	-15.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT80 – Channel 42
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	10129.0	47.8	-4.6	43.2	68.2	-25.0	Peak	Horizontal
	11081.0	47.5	-4.3	43.2	74.0	-30.8	Peak	Horizontal
*	13869.0	45.1	-0.5	44.6	68.2	-23.6	Peak	Horizontal
	15756.0	44.9	1.9	46.8	74.0	-27.2	Peak	Horizontal
	8352.5	46.7	-5.6	41.1	74.0	-32.9	Peak	Vertical
*	10443.5	49.1	-4.7	44.4	68.2	-23.8	Peak	Vertical
*	13605.5	45.2	-1.1	44.1	68.2	-24.1	Peak	Vertical
	15382.0	44.8	1.5	46.3	74.0	-27.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT80 – Channel 58
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8777.5	47.1	-5.1	42.0	68.2	-26.2	Peak	Horizontal
*	10256.5	47.9	-4.9	43.0	68.2	-25.2	Peak	Horizontal
	11820.5	47.0	-3.6	43.4	74.0	-30.6	Peak	Horizontal
	15484.0	45.2	1.7	46.9	74.0	-27.1	Peak	Horizontal
	7698.0	48.5	-6.3	42.2	74.0	-31.8	Peak	Vertical
*	8854.0	47.9	-5.2	42.7	68.2	-25.5	Peak	Vertical
*	10596.5	49.5	-4.4	45.1	68.2	-23.1	Peak	Vertical
	11880.0	47.4	-3.8	43.6	74.0	-30.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT80 – Channel 106
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8786.0	47.3	-5.0	42.3	68.2	-25.9	Peak	Horizontal
*	9933.5	47.9	-5.1	42.8	68.2	-25.4	Peak	Horizontal
	11591.0	47.9	-3.9	44.0	74.0	-30.0	Peak	Horizontal
	15875.0	43.8	3.0	46.8	74.0	-27.2	Peak	Horizontal
	8284.5	47.3	-5.6	41.7	74.0	-32.3	Peak	Vertical
	12092.5	46.9	-3.3	43.6	74.0	-30.4	Peak	Vertical
*	14268.5	45.4	-0.4	45.0	68.2	-23.2	Peak	Vertical
*	17294.5	44.2	5.1	49.3	68.2	-18.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT80 – Channel 122
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8352.5	48.4	-5.6	42.8	74.0	-31.2	Peak	Horizontal
*	10001.5	47.5	-4.8	42.7	68.2	-25.5	Peak	Horizontal
	11701.5	47.6	-4.0	43.6	74.0	-30.4	Peak	Horizontal
*	16614.5	45.3	4.1	49.4	68.2	-18.8	Peak	Horizontal
*	7944.5	48.8	-6.0	42.8	68.2	-25.4	Peak	Vertical
*	8973.0	50.4	-5.3	45.1	68.2	-23.1	Peak	Vertical
	11234.0	53.7	-4.1	49.6	74.0	-24.4	Peak	Vertical
	15382.0	45.2	1.5	46.7	74.0	-27.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT80 – Channel 138
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8463.0	48.9	-5.8	43.1	74.0	-30.9	Peak	Horizontal
	12330.5	47.8	-3.4	44.4	74.0	-29.6	Peak	Horizontal
*	15008.0	46.3	0.9	47.2	68.2	-21.0	Peak	Horizontal
*	17354.0	44.1	5.8	49.9	68.2	-18.3	Peak	Horizontal
*	7868.0	48.5	-5.9	42.6	68.2	-25.6	Peak	Vertical
	9100.5	50.4	-5.3	45.1	74.0	-28.9	Peak	Vertical
	11361.5	54.2	-3.6	50.6	74.0	-23.4	Peak	Vertical
*	17337.0	43.4	6.5	49.9	68.2	-18.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ac-VHT80 – Channel 155
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8879.5	48.4	-5.4	43.0	68.2	-25.2	Peak	Horizontal
*	10205.5	47.4	-4.7	42.7	68.2	-25.5	Peak	Horizontal
	11574.0	49.4	-3.9	45.5	74.0	-28.5	Peak	Horizontal
	15781.5	45.9	2.1	48.0	74.0	-26.0	Peak	Horizontal
	8344.0	48.2	-5.7	42.5	74.0	-31.5	Peak	Vertical
*	9236.5	51.3	-5.4	45.9	68.2	-22.3	Peak	Vertical
	11582.5	65.6	-3.9	61.7	74.0	-12.3	Peak	Vertical
	11582.5	52.9	-3.9	49.0	54.0	-5.0	Average	Vertical
*	17337.0	45.2	6.5	51.7	68.2	-16.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE20 – Channel 36
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8429.0	48.5	-5.8	42.7	74.0	-31.3	Peak	Horizontal
*	10367.0	52.5	-4.8	47.7	68.2	-20.5	Peak	Horizontal
*	12857.5	46.4	-2.7	43.7	68.2	-24.5	Peak	Horizontal
	15535.0	45.1	2.3	47.4	74.0	-26.6	Peak	Horizontal
	8259.0	47.8	-5.5	42.3	74.0	-31.7	Peak	Vertical
*	10367.0	54.7	-4.8	49.9	68.2	-18.3	Peak	Vertical
	15543.5	55.1	2.1	57.2	74.0	-16.8	Peak	Vertical
	15543.5	41.1	2.1	43.2	54.0	-10.8	Average	Vertical
*	17243.5	43.5	5.1	48.6	68.2	-19.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE20 – Channel 44
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8361.0	48.0	-5.5	42.5	74.0	-31.5	Peak	Horizontal
*	10435.0	55.4	-4.7	50.7	68.2	-17.5	Peak	Horizontal
*	12823.5	45.8	-2.8	43.0	68.2	-25.2	Peak	Horizontal
	15654.0	53.6	1.8	55.4	74.0	-18.6	Peak	Horizontal
	15654.0	41.9	1.8	43.7	54.0	-10.3	Average	Horizontal
*	8777.5	46.7	-5.1	41.6	68.2	-26.6	Peak	Vertical
*	10435.0	58.5	-4.7	53.8	68.2	-14.4	Peak	Vertical
	12492.0	45.7	-2.7	43.0	74.0	-31.0	Peak	Vertical
	15662.5	63.8	1.8	65.6	74.0	-8.4	Peak	Vertical
	15662.5	51.6	1.8	53.4	54.0	-0.6	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE20 – Channel 48
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8794.5	48.0	-5.1	42.9	68.2	-25.3	Peak	Horizontal
*	10477.5	53.8	-4.5	49.3	68.2	-18.9	Peak	Horizontal
	11897.0	45.8	-3.5	42.3	74.0	-31.7	Peak	Horizontal
	15730.5	52.7	2.2	54.9	74.0	-19.1	Peak	Horizontal
	15730.5	39.7	2.2	41.9	54.0	-12.1	Average	Horizontal
*	8692.5	47.3	-5.4	41.9	68.2	-26.3	Peak	Vertical
*	10477.5	59.6	-4.5	55.1	68.2	-13.1	Peak	Vertical
	12492.0	45.4	-2.7	42.7	74.0	-31.3	Peak	Vertical
	15713.5	63.1	2.4	65.5	74.0	-8.5	Peak	Vertical
	15713.5	51.1	2.4	53.5	54.0	-0.5	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE20 – Channel 52
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8165.5	48.7	-5.8	42.9	74.0	-31.1	Peak	Horizontal
*	10511.5	48.5	-4.3	44.2	68.2	-24.0	Peak	Horizontal
*	12789.5	46.1	-2.4	43.7	68.2	-24.5	Peak	Horizontal
	15926.0	43.2	3.5	46.7	74.0	-27.3	Peak	Horizontal
	8412.0	49.6	-5.9	43.7	74.0	-30.3	Peak	Vertical
*	10520.0	52.9	-4.5	48.4	68.2	-19.8	Peak	Vertical
*	13733.0	45.9	-0.8	45.1	68.2	-23.1	Peak	Vertical
	15764.5	45.8	1.9	47.7	74.0	-26.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE20 – Channel 60
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8267.5	47.6	-5.4	42.2	74.0	-31.8	Peak	Horizontal
*	10596.5	48.6	-4.4	44.2	68.2	-24.0	Peak	Horizontal
*	14736.0	44.9	1.1	46.0	68.2	-22.2	Peak	Horizontal
	15985.5	42.9	2.5	45.4	74.0	-28.6	Peak	Horizontal
	8216.5	47.9	-5.7	42.2	74.0	-31.8	Peak	Vertical
	10605.0	52.6	-4.4	48.2	74.0	-25.8	Peak	Vertical
*	13027.5	46.0	-2.5	43.5	68.2	-24.7	Peak	Vertical
*	17345.5	42.5	6.2	48.7	68.2	-19.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE20 – Channel 64
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8225.0	47.5	-5.7	41.8	74.0	-32.2	Peak	Horizontal
*	9916.5	47.4	-4.8	42.6	68.2	-25.6	Peak	Horizontal
	11523.0	46.9	-3.9	43.0	74.0	-31.0	Peak	Horizontal
*	16733.5	43.8	4.0	47.8	68.2	-20.4	Peak	Horizontal
	7460.0	48.3	-6.6	41.7	74.0	-32.3	Peak	Vertical
*	8573.5	48.4	-5.4	43.0	68.2	-25.2	Peak	Vertical
	10639.0	52.8	-4.8	48.0	74.0	-26.0	Peak	Vertical
*	14685.0	45.6	0.8	46.4	68.2	-21.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE20 – Channel 100
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	7035.0	48.1	-7.2	40.9	68.2	-27.3	Peak	Horizontal
*	9253.5	47.8	-5.1	42.7	68.2	-25.5	Peak	Horizontal
	10945.0	47.7	-4.3	43.4	74.0	-30.6	Peak	Horizontal
	16121.5	43.7	3.6	47.3	74.0	-26.7	Peak	Horizontal
	7341.0	49.0	-6.8	42.2	74.0	-31.8	Peak	Vertical
*	8803.0	49.3	-5.2	44.1	68.2	-24.1	Peak	Vertical
	10996.0	48.9	-4.6	44.3	74.0	-29.7	Peak	Vertical
*	17337.0	42.9	6.5	49.4	68.2	-18.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1				Test Engineer	Arvin Ding		
Test Date	2022-12-01				Test Mode	802.11ax-HE20 – Channel 116		
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.							

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8947.5	47.9	-5.4	42.5	68.2	-25.7	Peak	Horizontal
*	9636.0	48.1	-5.2	42.9	68.2	-25.3	Peak	Horizontal
	11565.5	47.2	-3.9	43.3	74.0	-30.7	Peak	Horizontal
	15611.5	45.2	2.1	47.3	74.0	-26.7	Peak	Horizontal
*	8930.5	49.2	-5.6	43.6	68.2	-24.6	Peak	Vertical
*	9772.0	48.6	-5.1	43.5	68.2	-24.7	Peak	Vertical
	11166.0	49.9	-4.4	45.5	74.0	-28.5	Peak	Vertical
	15577.5	43.6	2.6	46.2	74.0	-27.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1			Test Engineer	Arvin Ding		
Test Date	2022-12-01			Test Mode	802.11ax-HE20 – Channel 140		
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.						

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8259.0	47.5	-5.5	42.0	74.0	-32.0	Peak	Horizontal
*	10214.0	48.2	-4.7	43.5	68.2	-24.7	Peak	Horizontal
	11395.5	47.5	-4.3	43.2	74.0	-30.8	Peak	Horizontal
*	15220.5	44.9	1.4	46.3	68.2	-21.9	Peak	Horizontal
*	8012.5	48.1	-6.5	41.6	68.2	-26.6	Peak	Vertical
	9117.5	52.1	-5.6	46.5	74.0	-27.5	Peak	Vertical
	11404.0	53.4	-4.3	49.1	74.0	-24.9	Peak	Vertical
*	16376.5	43.6	3.2	46.8	68.2	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE20 – Channel 144
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8582.0	47.7	-5.5	42.2	68.2	-26.0	Peak	Horizontal
*	10384.0	47.4	-4.6	42.8	68.2	-25.4	Peak	Horizontal
	11684.5	46.7	-4.1	42.6	74.0	-31.4	Peak	Horizontal
	15577.5	43.8	2.6	46.4	74.0	-27.6	Peak	Horizontal
	9151.5	50.6	-5.5	45.1	74.0	-28.9	Peak	Vertical
	11438.0	52.6	-4.2	48.4	74.0	-25.6	Peak	Vertical
*	14107.0	43.9	-0.7	43.2	68.2	-25.0	Peak	Vertical
*	16895.0	42.8	4.2	47.0	68.2	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE20 – Channel 149
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8760.5	47.3	-5.3	42.0	68.2	-26.2	Peak	Horizontal
*	10010.0	47.0	-4.6	42.4	68.2	-25.8	Peak	Horizontal
	11489.0	53.8	-3.8	50.0	74.0	-24.0	Peak	Horizontal
	15577.5	43.8	2.6	46.4	74.0	-27.6	Peak	Horizontal
*	7902.0	48.6	-6.5	42.1	68.2	-26.1	Peak	Vertical
	9194.0	50.3	-5.5	44.8	74.0	-29.2	Peak	Vertical
	11489.0	65.1	-3.8	61.3	74.0	-12.7	Peak	Vertical
	11489.0	57.4	-3.8	53.6	54.0	-0.4	Average	Vertical
*	17243.5	50.8	5.1	55.9	68.2	-12.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE20 – Channel 157
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	7460.0	48.3	-6.6	41.7	74.0	-32.3	Peak	Horizontal
	11574.0	58.6	-3.9	54.7	74.0	-19.3	Peak	Horizontal
	11574.0	48.6	-3.9	44.7	54.0	-9.3	Average	Horizontal
*	13733.0	47.4	-0.8	46.6	68.2	-21.6	Peak	Horizontal
*	16937.5	43.9	4.7	48.6	68.2	-19.6	Peak	Horizontal
	8259.0	47.3	-5.5	41.8	74.0	-32.2	Peak	Vertical
*	9253.5	50.2	-5.1	45.1	68.2	-23.1	Peak	Vertical
	11574.0	64.4	-3.9	60.5	74.0	-13.5	Peak	Vertical
	11574.0	57.1	-3.9	53.2	54.0	-0.8	Average	Vertical
*	17354.0	49.1	5.8	54.9	68.2	-13.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE20 – Channel 165
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8259.0	47.8	-5.5	42.3	74.0	-31.7	Peak	Horizontal
	11659.0	53.2	-3.9	49.3	74.0	-24.7	Peak	Horizontal
*	13027.5	46.1	-2.5	43.6	68.2	-24.6	Peak	Horizontal
*	16946.0	43.5	4.8	48.3	68.2	-19.9	Peak	Horizontal
*	7919.0	46.6	-6.4	40.2	68.2	-28.0	Peak	Vertical
	9321.5	52.0	-5.3	46.7	74.0	-27.3	Peak	Vertical
	11650.5	66.9	-4.0	62.9	74.0	-11.1	Peak	Vertical
	11650.5	57.4	-4.0	53.4	54.0	-0.6	Average	Vertical
*	17473.0	49.0	5.4	54.4	68.2	-13.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE40 – Channel 38
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8786.0	47.1	-5.0	42.1	68.2	-26.1	Peak	Horizontal
*	10392.5	47.9	-4.6	43.3	68.2	-24.9	Peak	Horizontal
	11489.0	47.6	-3.8	43.8	74.0	-30.2	Peak	Horizontal
	15586.0	44.0	2.8	46.8	74.0	-27.2	Peak	Horizontal
	8310.0	47.8	-5.7	42.1	74.0	-31.9	Peak	Vertical
*	10384.0	51.2	-4.6	46.6	68.2	-21.6	Peak	Vertical
*	13869.0	44.9	-0.5	44.4	68.2	-23.8	Peak	Vertical
	15586.0	43.8	2.8	46.6	74.0	-27.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE40 – Channel 46
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8182.5	48.0	-5.8	42.2	74.0	-31.8	Peak	Horizontal
*	10452.0	53.2	-4.6	48.6	68.2	-19.6	Peak	Horizontal
*	13792.5	45.4	-0.8	44.6	68.2	-23.6	Peak	Horizontal
	15688.0	50.4	2.4	52.8	74.0	-21.2	Peak	Horizontal
	15688.0	40.7	2.4	43.1	54.0	-10.9	Average	Horizontal
	8378.0	47.6	-5.5	42.1	74.0	-31.9	Peak	Vertical
*	10452.0	57.9	-4.6	53.3	68.2	-14.9	Peak	Vertical
*	13707.5	46.1	-1.2	44.9	68.2	-23.3	Peak	Vertical
	15688.0	61.6	2.4	64.0	74.0	-10.0	Peak	Vertical
	15688.0	51.4	2.4	53.8	54.0	-0.2	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE40 – Channel 54
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8276.0	46.5	-5.4	41.1	74.0	-32.9	Peak	Horizontal
*	10537.0	50.0	-4.2	45.8	68.2	-22.4	Peak	Horizontal
*	13758.5	46.1	-1.1	45.0	68.2	-23.2	Peak	Horizontal
	16130.0	43.3	3.8	47.1	74.0	-26.9	Peak	Horizontal
	8301.5	47.2	-5.7	41.5	74.0	-32.5	Peak	Vertical
*	10537.0	54.3	-4.2	50.1	68.2	-18.1	Peak	Vertical
*	13792.5	45.5	-0.8	44.7	68.2	-23.5	Peak	Vertical
	15807.0	57.5	3.0	60.5	74.0	-13.5	Peak	Vertical
	15807.0	44.4	3.0	47.4	54.0	-6.6	Average	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE40 – Channel 62
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8352.5	48.4	-5.6	42.8	74.0	-31.2	Peak	Horizontal
	11310.5	46.5	-4.1	42.4	74.0	-31.6	Peak	Horizontal
*	14736.0	45.3	1.1	46.4	68.2	-21.8	Peak	Horizontal
*	17583.5	44.0	6.2	50.2	68.2	-18.0	Peak	Horizontal
*	8735.0	47.1	-5.4	41.7	68.2	-26.5	Peak	Vertical
	10622.0	52.1	-4.4	47.7	74.0	-26.3	Peak	Vertical
*	13801.0	45.3	-0.7	44.6	68.2	-23.6	Peak	Vertical
	15586.0	44.0	2.8	46.8	74.0	-27.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE40 – Channel 102
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	8633.0	47.1	-5.6	41.5	68.2	-26.7	Peak	Horizontal
*	9993.0	45.6	-4.9	40.7	68.2	-27.5	Peak	Horizontal
	11472.0	46.4	-3.8	42.6	74.0	-31.4	Peak	Horizontal
	15960.0	44.4	2.4	46.8	74.0	-27.2	Peak	Horizontal
*	7876.5	45.7	-6.1	39.6	68.2	-28.6	Peak	Vertical
*	9721.0	45.5	-5.2	40.3	68.2	-27.9	Peak	Vertical
	11021.5	50.1	-4.5	45.6	74.0	-28.4	Peak	Vertical
	15577.5	43.8	2.6	46.4	74.0	-27.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE40 – Channel 110
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	9874.0	47.0	-5.0	42.0	68.2	-26.2	Peak	Horizontal
	11098.0	47.8	-4.4	43.4	74.0	-30.6	Peak	Horizontal
*	13775.5	45.4	-0.9	44.5	68.2	-23.7	Peak	Horizontal
	15577.5	44.0	2.6	46.6	74.0	-27.4	Peak	Horizontal
*	7060.5	47.4	-7.1	40.3	68.2	-27.9	Peak	Vertical
*	8879.5	48.4	-5.4	43.0	68.2	-25.2	Peak	Vertical
	11098.0	52.1	-4.4	47.7	74.0	-26.3	Peak	Vertical
	15535.0	43.3	2.3	45.6	74.0	-28.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE40 – Channel 134
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8378.0	47.7	-5.5	42.2	74.0	-31.8	Peak	Horizontal
*	9814.5	47.8	-5.2	42.6	68.2	-25.6	Peak	Horizontal
	12296.5	46.7	-3.4	43.3	74.0	-30.7	Peak	Horizontal
*	14931.5	45.6	0.5	46.1	68.2	-22.1	Peak	Horizontal
*	7936.0	47.5	-6.0	41.5	68.2	-26.7	Peak	Vertical
	9075.0	49.7	-5.0	44.7	74.0	-29.3	Peak	Vertical
	11336.0	53.6	-4.3	49.3	74.0	-24.7	Peak	Vertical
*	15212.0	43.5	1.5	45.0	68.2	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE40 – Channel 142
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.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8369.5	47.3	-5.5	41.8	74.0	-32.2	Peak	Horizontal
*	10078.0	47.7	-4.6	43.1	68.2	-25.1	Peak	Horizontal
	11412.5	49.1	-4.1	45.0	74.0	-29.0	Peak	Horizontal
*	14906.0	45.2	1.0	46.2	68.2	-22.0	Peak	Horizontal
	9134.5	50.3	-5.7	44.6	74.0	-29.4	Peak	Vertical
	11421.0	61.6	-4.0	57.6	74.0	-16.4	Peak	Vertical
	11421.0	52.2	-4.0	48.2	54.0	-5.8	Average	Vertical
*	13869.0	45.3	-0.5	44.8	68.2	-23.4	Peak	Vertical
*	17099.0	43.3	4.8	48.1	68.2	-20.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE40 – Channel 151
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8777.5	47.6	-5.1	42.5	68.2	-25.7	Peak	Horizontal
*	10316.0	48.1	-5.1	43.0	68.2	-25.2	Peak	Horizontal
	11506.0	53.4	-3.7	49.7	74.0	-24.3	Peak	Horizontal
	15713.5	44.4	2.4	46.8	74.0	-27.2	Peak	Horizontal
	8199.5	45.9	-5.7	40.2	74.0	-33.8	Peak	Vertical
*	9211.0	50.1	-5.5	44.6	68.2	-23.6	Peak	Vertical
	11506.0	65.4	-3.7	61.7	74.0	-12.3	Peak	Vertical
	11506.0	57.3	-3.7	53.6	54.0	-0.4	Average	Vertical
*	17277.5	47.6	5.2	52.8	68.2	-15.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1	Test Engineer	Arvin Ding
Test Date	2022-12-01	Test Mode	802.11ax-HE40 – Channel 159
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	8811.5	48.8	-5.3	43.5	68.2	-24.7	Peak	Horizontal
*	10120.5	47.3	-4.7	42.6	68.2	-25.6	Peak	Horizontal
	11599.5	51.9	-3.8	48.1	74.0	-25.9	Peak	Horizontal
	15756.0	45.5	1.9	47.4	74.0	-26.6	Peak	Horizontal
	8429.0	47.8	-5.8	42.0	74.0	-32.0	Peak	Vertical
	11591.0	66.2	-3.9	62.3	74.0	-11.7	Peak	Vertical
	11591.0	56.9	-3.9	53.0	54.0	-1.0	Average	Vertical
*	14770.0	45.1	0.4	45.5	68.2	-22.7	Peak	Vertical
*	17371.0	47.5	5.6	53.1	68.2	-15.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE80 – Channel 42
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
*	7910.5	48.3	-6.4	41.9	68.2	-26.3	Peak	Horizontal
*	10103.5	47.7	-4.6	43.1	68.2	-25.1	Peak	Horizontal
	11565.5	47.4	-3.9	43.5	74.0	-30.5	Peak	Horizontal
	15917.5	43.2	3.4	46.6	74.0	-27.4	Peak	Horizontal
*	8582.0	48.5	-5.5	43.0	68.2	-25.2	Peak	Vertical
*	10375.5	48.7	-4.7	44.0	68.2	-24.2	Peak	Vertical
	11871.5	47.5	-3.9	43.6	74.0	-30.4	Peak	Vertical
	16121.5	45.1	3.6	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE80 – Channel 58
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.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB/m)	Detector	Polarization
	8276.0	47.6	-5.4	42.2	74.0	-31.8	Peak	Horizontal
	9364.0	48.4	-5.1	43.3	74.0	-30.7	Peak	Horizontal
*	13733.0	46.0	-0.8	45.2	68.2	-23.0	Peak	Horizontal
*	16614.5	44.3	4.1	48.4	68.2	-19.8	Peak	Horizontal
	7715.0	48.9	-6.4	42.5	74.0	-31.5	Peak	Vertical
	8463.0	49.8	-5.8	44.0	74.0	-30.0	Peak	Vertical
*	10588.0	49.3	-4.5	44.8	68.2	-23.4	Peak	Vertical
*	16538.0	45.1	3.9	49.0	68.2	-19.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1			Test Engineer	Arvin Ding			
Test Date	2022-12-01			Test Mode	802.11ax-HE80 – Channel 106			
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.							

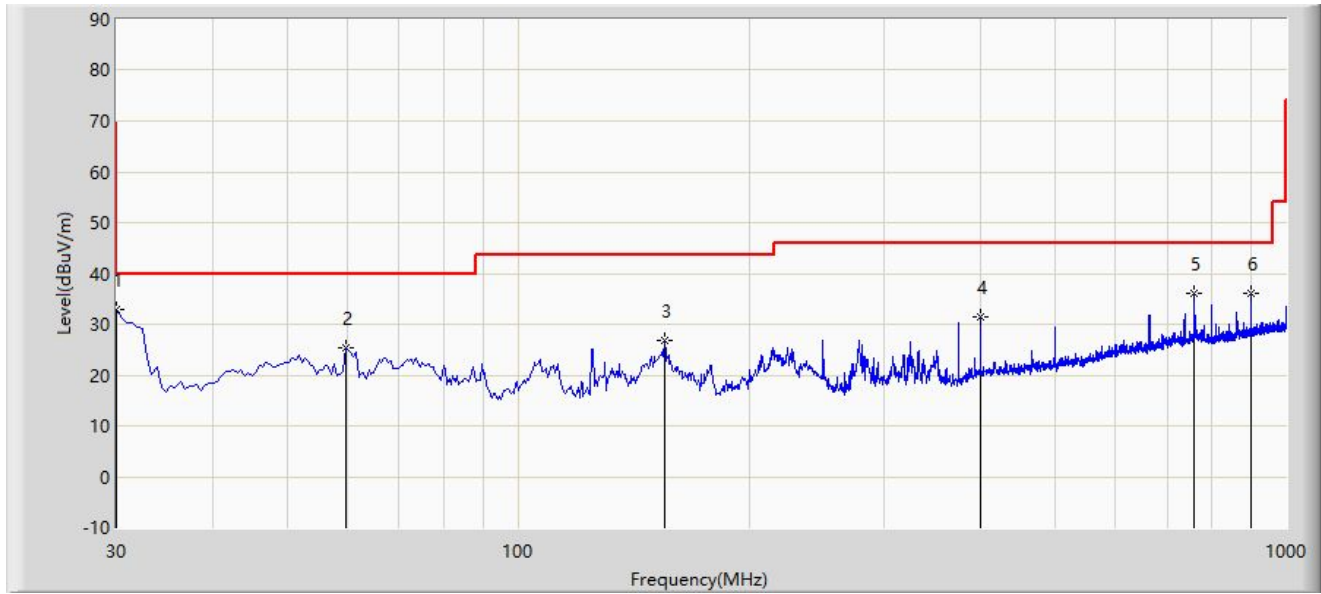| Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
*	7859.5	48.8	-6.1	42.7	68.2	-25.5	Peak	Horizontal
	9483.0	48.5	-5.0	43.5	74.0	-30.5	Peak	Horizontal
*	13699.0	46.0	-1.1	44.9	68.2	-23.3	Peak	Horizontal
	15909.0	43.7	3.3	47.0	74.0	-27.0	Peak	Horizontal
	8327.0	48.8	-5.8	43.0	74.0	-31.0	Peak	Vertical
*	9976.0	48.1	-4.9	43.2	68.2	-25.0	Peak	Vertical
	11752.5	48.1	-4.0	44.1	74.0	-29.9	Peak	Vertical
*	14838.0	45.8	1.0	46.8	68.2	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE80 – Channel 122
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8318.5	49.5	-5.7	43.8	74.0	-30.2	Peak	Horizontal
	11251.0	48.8	-4.3	44.5	74.0	-29.5	Peak	Horizontal
*	14260.0	45.4	-0.5	44.9	68.2	-23.3	Peak	Horizontal
*	17345.5	43.7	6.2	49.9	68.2	-18.3	Peak	Horizontal
*	7978.5	49.0	-6.1	42.9	68.2	-25.3	Peak	Vertical
*	8973.0	49.9	-5.3	44.6	68.2	-23.6	Peak	Vertical
	11234.0	54.3	-4.1	50.2	74.0	-23.8	Peak	Vertical
	15688.0	44.7	2.4	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE80 – Channel 138
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	7494.0	49.2	-7.0	42.2	74.0	-31.8	Peak	Horizontal
*	8803.0	48.3	-5.2	43.1	68.2	-25.1	Peak	Horizontal
	11361.5	47.8	-3.6	44.2	74.0	-29.8	Peak	Horizontal
*	14013.5	45.7	-1.0	44.7	68.2	-23.5	Peak	Horizontal
	9100.5	51.4	-5.3	46.1	74.0	-27.9	Peak	Vertical
	11395.5	63.2	-4.3	58.9	74.0	-15.1	Peak	Vertical
	11395.5	49.5	-4.3	45.2	54.0	-8.8	Average	Vertical
*	14098.5	45.8	-0.7	45.1	68.2	-23.1	Peak	Vertical
*	17107.5	45.1	4.8	49.9	68.2	-18.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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-AC1		Test Engineer	Arvin Ding
Test Date	2022-12-01		Test Mode	802.11ax-HE80 – Channel 155
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.			

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB/m)	Detector	Polarization
	8165.5	48.5	-5.8	42.7	74.0	-31.3	Peak	Horizontal
	11565.5	51.3	-3.9	47.4	74.0	-26.6	Peak	Horizontal
*	14702.0	44.8	0.7	45.5	68.2	-22.7	Peak	Horizontal
*	16538.0	44.8	3.9	48.7	68.2	-19.5	Peak	Horizontal
	7358.0	49.0	-6.9	42.1	74.0	-31.9	Peak	Vertical
*	9236.5	51.7	-5.4	46.3	68.2	-21.9	Peak	Vertical
	11582.5	63.2	-3.9	59.3	74.0	-14.7	Peak	Vertical
	11582.5	51.5	-3.9	47.6	54.0	-6.4	Average	Vertical
*	17362.5	44.7	5.7	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: 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	Test Date: 2022-11-30
Limit: FCC_Part15.209_RSE(3m)	Engineer: Wayne Wang
Probe: VULB 9168_00999_25-2000MHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5220MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	30.000	32.767	15.834	-7.233	40.000	16.932	PK
2		59.585	25.429	7.469	-14.571	40.000	17.960	PK
3		155.130	26.800	8.757	-16.700	43.500	18.044	PK
4		400.055	31.404	10.363	-14.596	46.000	21.041	PK
5		757.985	36.043	7.375	-9.957	46.000	28.667	PK
6		900.090	36.050	6.085	-9.950	46.000	29.965	PK

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

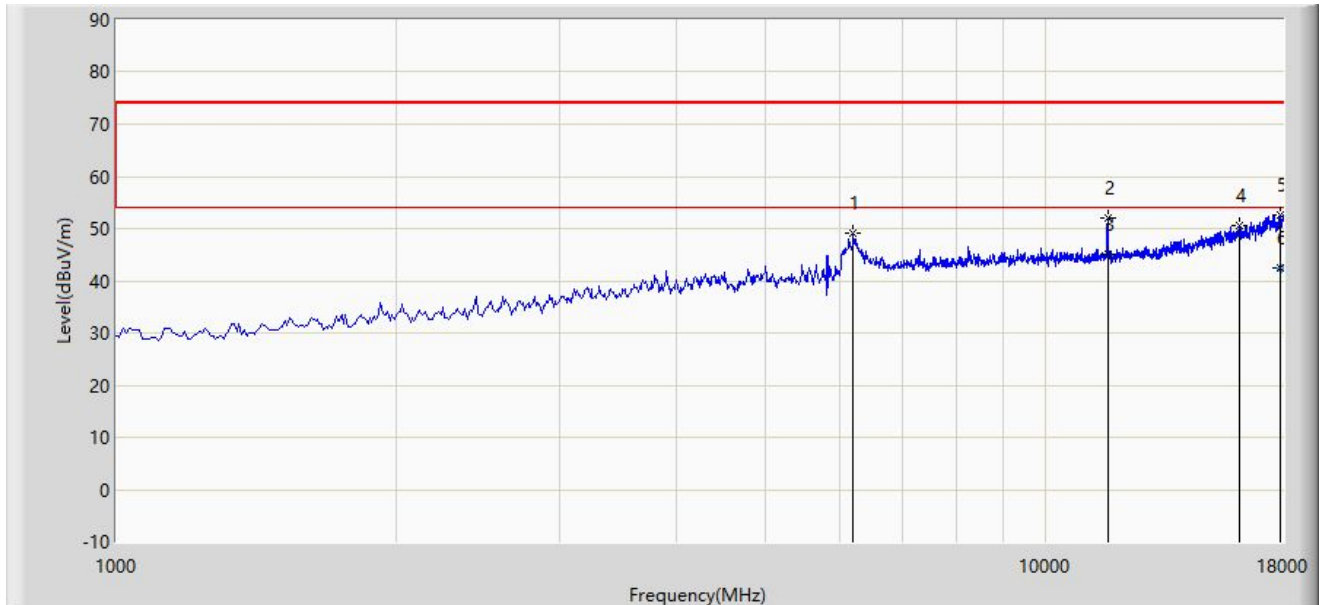Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) 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	Test Date: 2022-11-30
Limit: FCC_Part15.209_RSE(3m)	Engineer: Wayne Wang
Probe: VULB 9168_00999_25-2000MHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5220MHz	
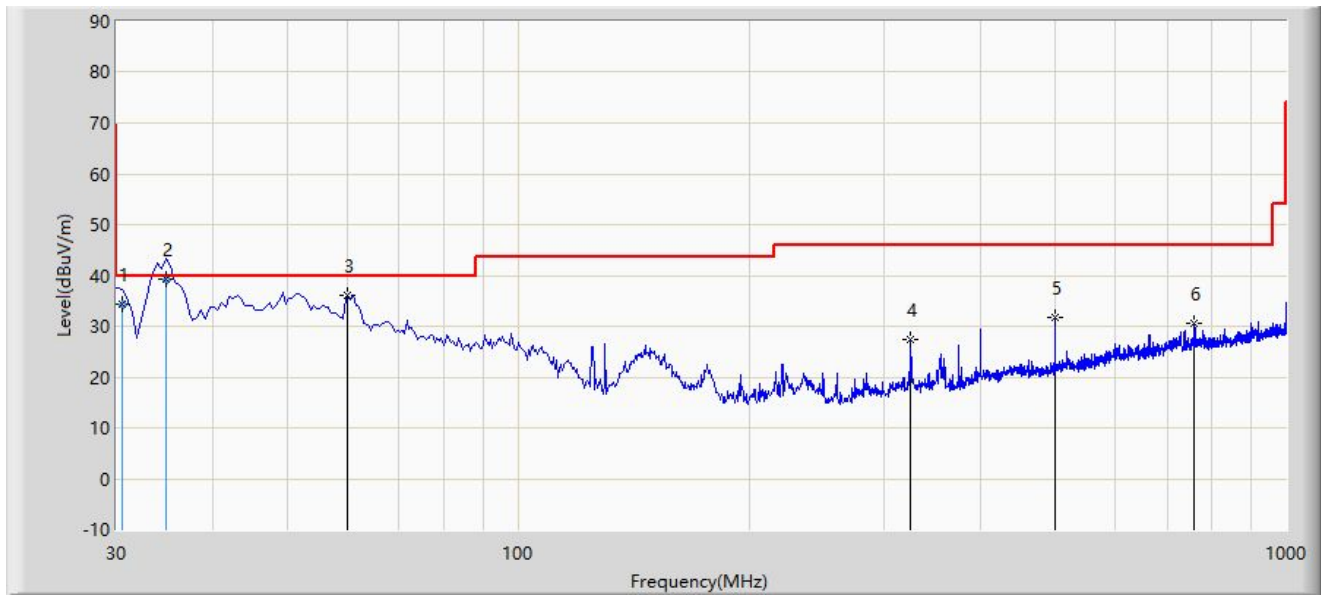
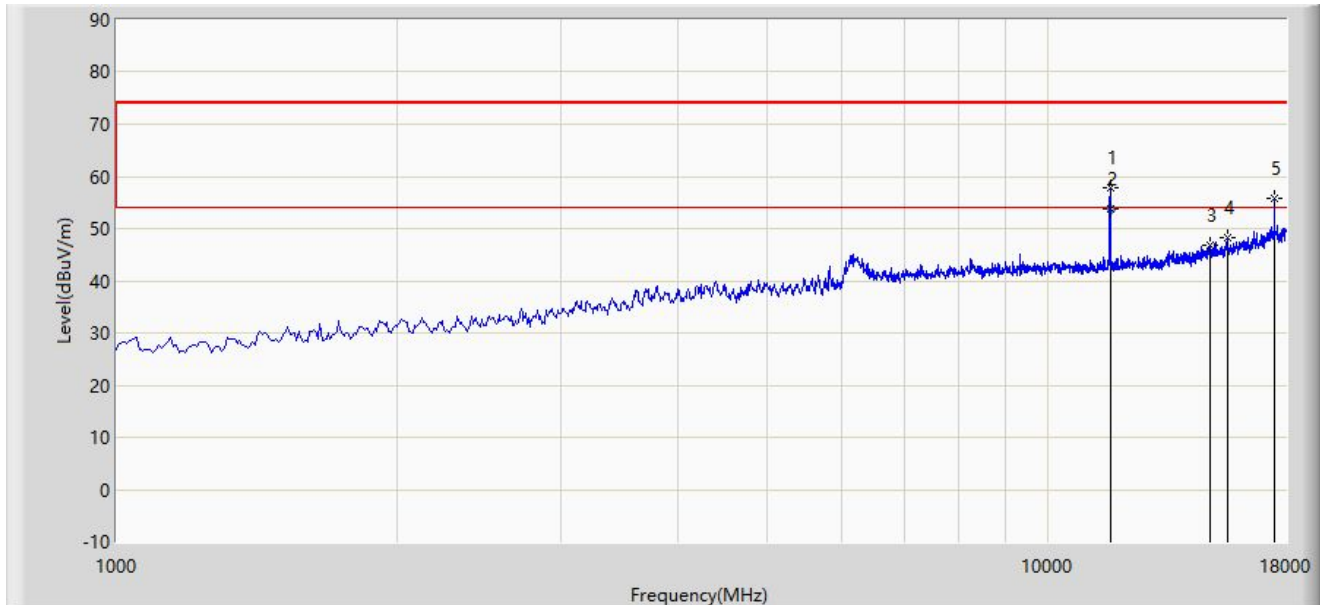| No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		30.485	34.316	17.400	-5.684	40.000	16.915	QP
2	*	34.850	39.293	22.170	-0.707	40.000	17.124	QP
3		60.070	36.143	18.234	-3.857	40.000	17.909	PK
4		324.880	27.519	8.133	-18.481	46.000	19.386	PK
5		499.965	31.720	8.284	-14.280	46.000	23.436	PK
6		757.985	30.545	1.877	-15.455	46.000	28.667	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).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) 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.

The Result of Co-location Radiated Emission

Site: SIP-AC1	Time: 2023/02/03 - 10:19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Barry Wu
Probe: VULB 9168_00998_25-2000MHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz and Transmit by 802.11a at 5825MHz	
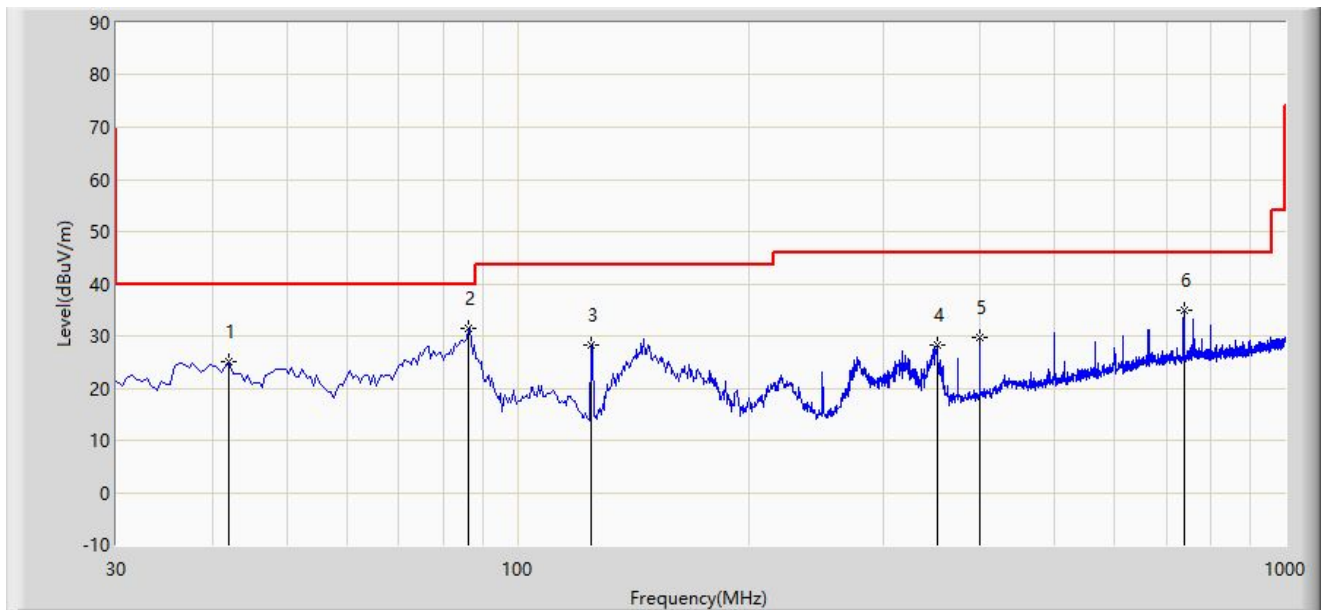
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		42.125	25.089	7.545	-14.911	40.000	17.544	PK
2	*	86.260	31.387	18.984	-8.613	40.000	12.402	PK
3		124.575	28.184	12.281	-15.316	43.500	15.903	PK
4		351.555	28.152	8.736	-17.848	46.000	19.417	PK
5		400.055	29.621	8.891	-16.379	46.000	20.729	PK
6		737.615	35.053	7.428	-10.947	46.000	27.625	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).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) 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-AC1	Time: 2023/02/03 - 10:33
Limit: FCC_Part15.209_RSE(3m)	Engineer: Barry Wu
Probe: VULB 9168_00998_25-2000MHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz and Transmit by 802.11a at 5825MHz	
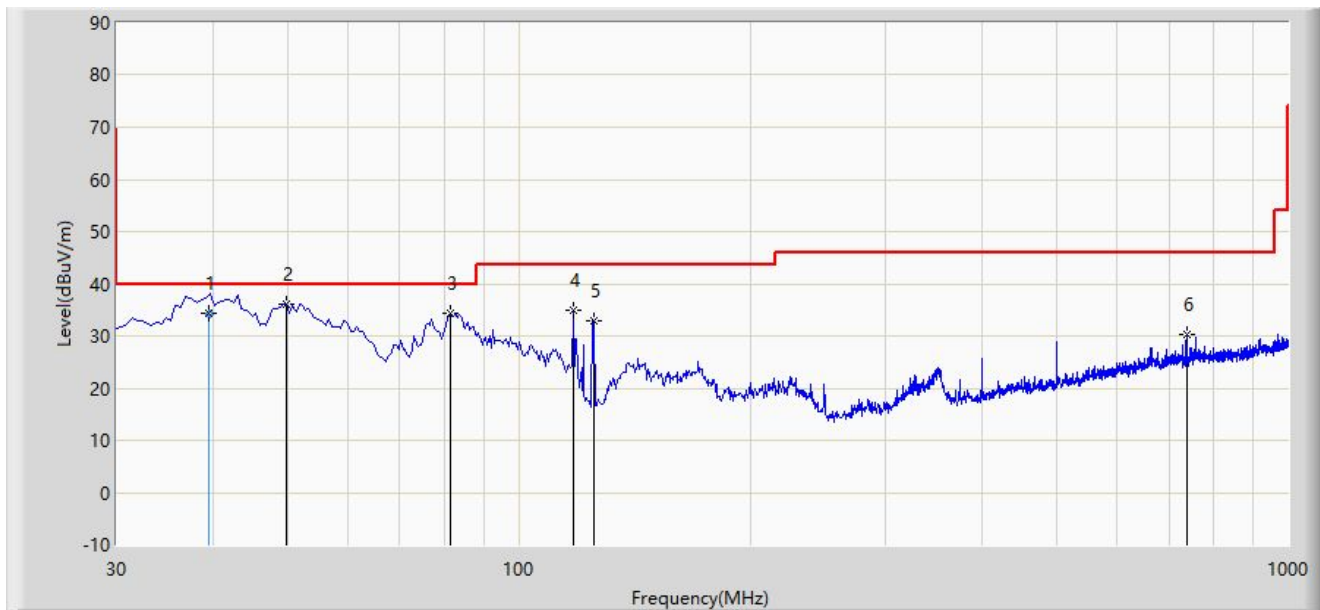
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		39.490	34.424	17.100	-5.576	40.000	17.324	QP
2	*	49.885	35.958	18.058	-4.042	40.000	17.900	PK
3		81.410	34.260	21.078	-5.740	40.000	13.182	PK
4		117.785	34.885	19.411	-8.615	43.500	15.475	PK
5		125.060	32.871	16.956	-10.629	43.500	15.915	PK
6		737.615	30.423	2.798	-15.577	46.000	27.625	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).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) 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-AC1	Time: 2023/02/03 - 17:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Barry Wu
Probe: HF907_102862_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz and Transmit by 802.11a at 5825MHz,	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		6210.500	48.999	57.559	-25.001	74.000	-8.559	PK
2		11650.500	52.070	56.117	-21.930	74.000	-4.047	PK
3	*	11650.500	45.033	49.080	-8.967	54.000	-4.047	AV
4		16138.500	50.488	46.863	-23.512	74.000	3.625	PK
5		17872.500	52.614	46.179	-21.386	74.000	6.434	PK
6		17872.500	42.562	36.127	-11.438	54.000	6.434	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).

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

Site: SIP-AC1	Time: 2023/02/03 - 17:27
Limit: FCC_Part15.209_RSE(3m)	Engineer: Barry Wu
Probe: HF907_102862_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at 2437MHz and Transmit by 802.11a at 5825MHz,	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		11650.500	57.856	61.903	-16.144	74.000	-4.047	PK
2	*	11650.500	53.773	57.820	-0.227	54.000	-4.047	AV
3		14923.000	46.801	45.954	-27.199	74.000	0.847	PK
4		15577.500	48.281	45.670	-25.719	74.000	2.611	PK
5		17473.000	55.661	50.306	-12.539	68.200	5.355	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).

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

Note 5: Point(5) is the third harmonics of 5GHz Wi-Fi fundamental frequency and satisfy the limit of FCC Part 15.407(68.2dBµV/m).

A.8   Radiated Restricted Band Edge Test Result

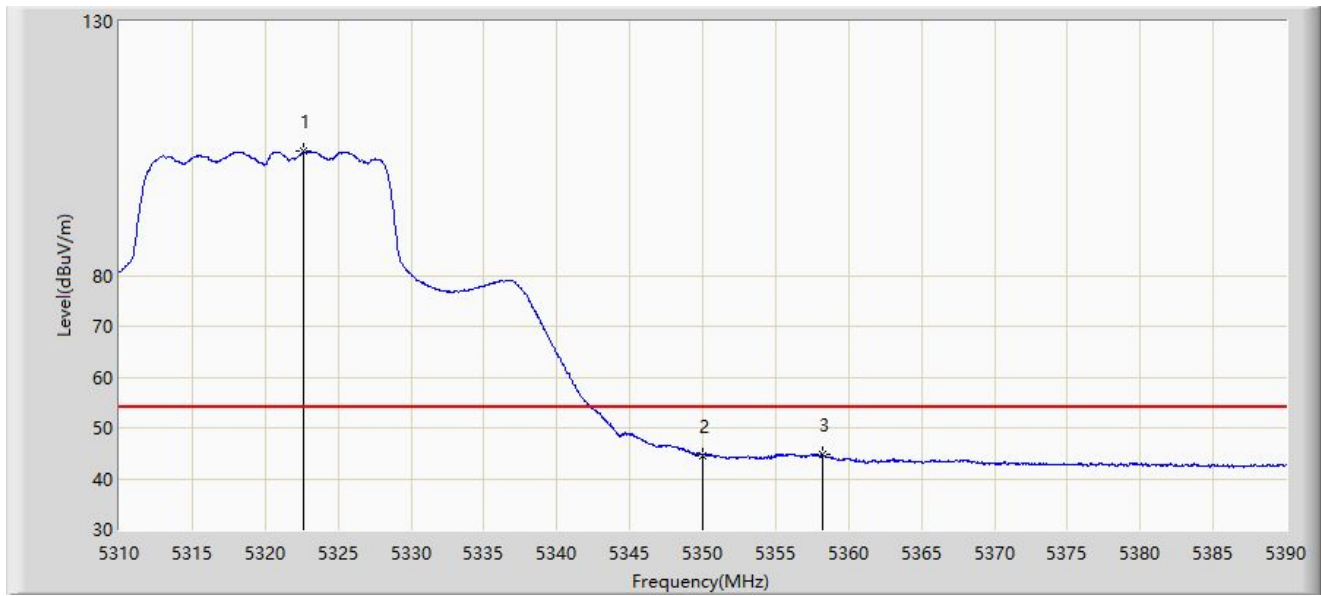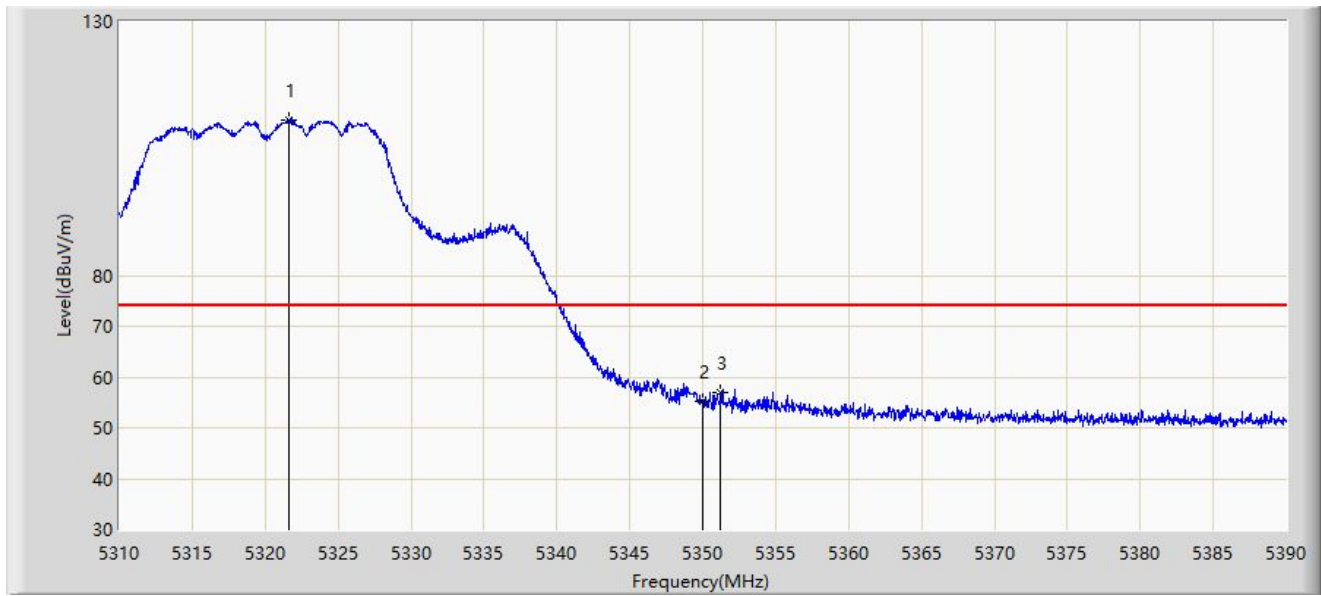|	
Site: SIP-AC3	Test Date: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.920	72.599	75.651	-1.401	74.000	-3.052	PK
2		5150.000	72.441	75.466	-1.559	74.000	-3.026	PK
3		5182.400	116.541	77.526	N/A	N/A	39.015	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).

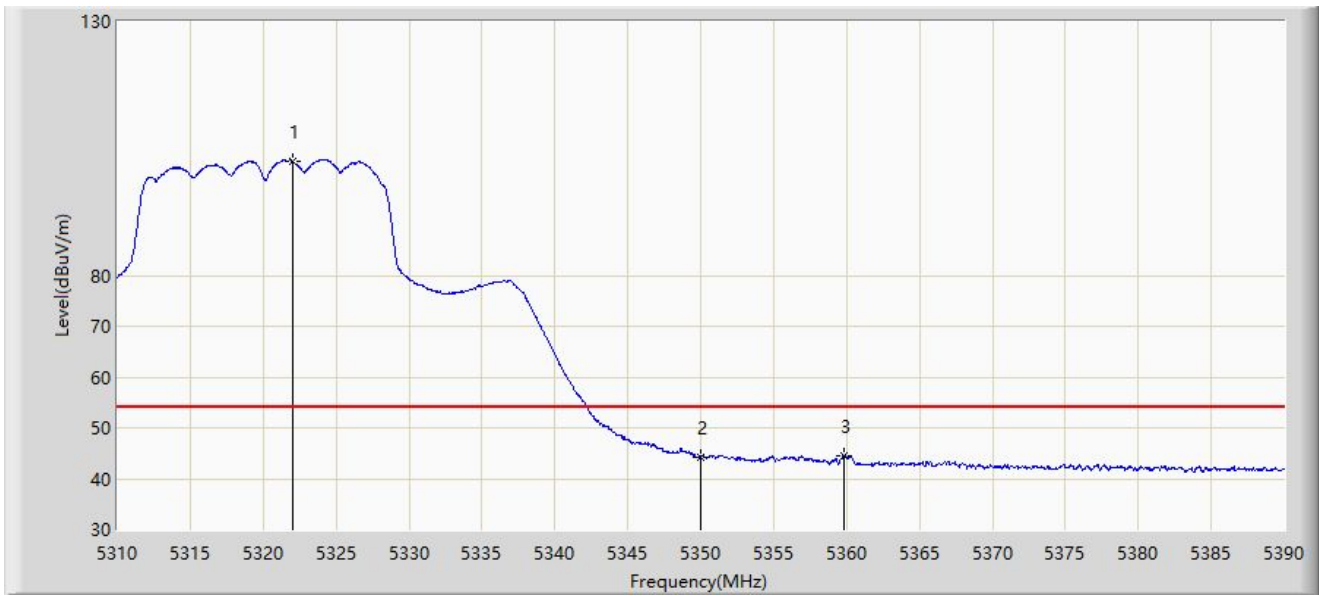| Site: SIP-AC3	Test Date: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5150.000	53.608	56.633	-0.392	54.000	-3.026	AV
2		5182.360	108.746	69.648	N/A	N/A	39.097	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: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	

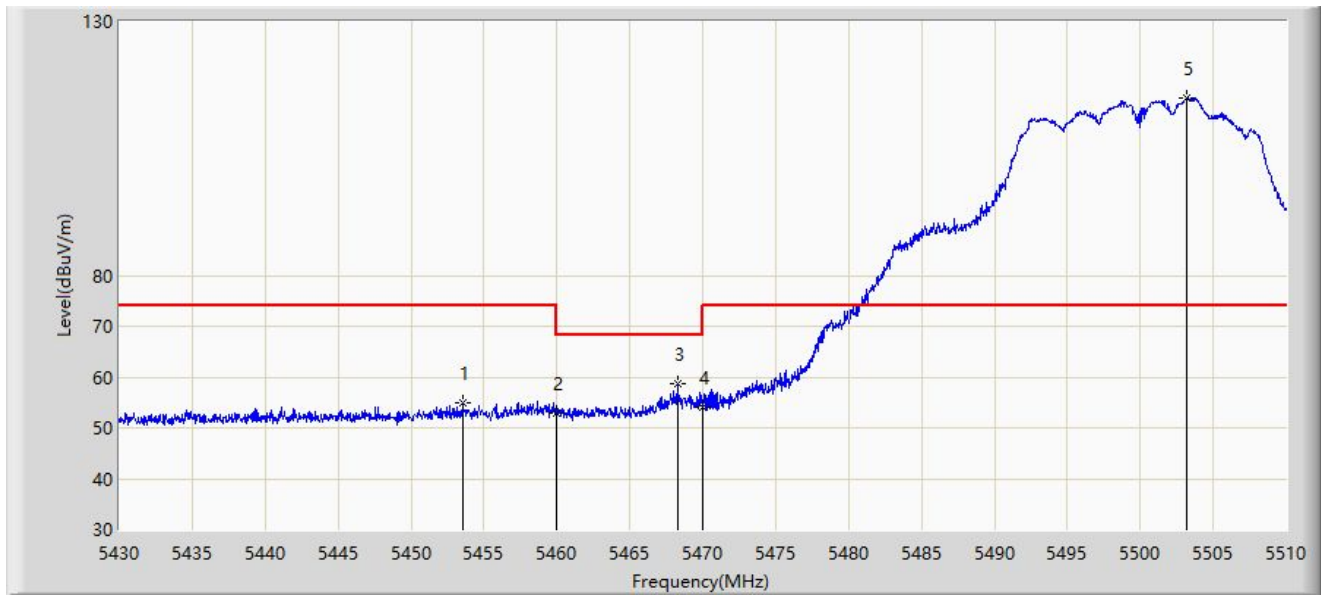| No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5150.000	67.231	70.256	-6.769	74.000	-3.026	PK
2		5181.720	111.651	71.372	N/A	N/A	40.279	PK

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: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.760	48.132	51.230	-5.868	54.000	-3.098	AV
2		5150.000	47.587	50.612	-6.413	54.000	-3.026	AV
3		5181.520	103.189	62.554	N/A	N/A	40.635	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).

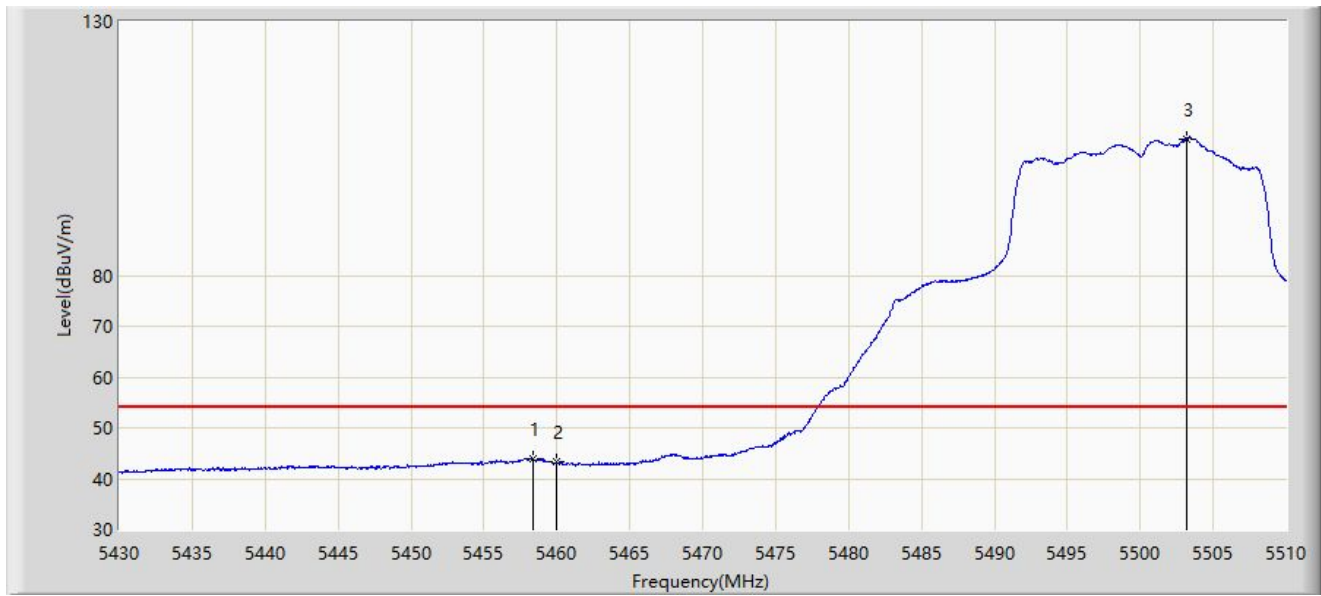| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5325.600	112.774	74.149	N/A	N/A	38.626	PK
2		5350.000	56.915	58.365	-17.085	74.000	-1.451	PK
3	*	5352.040	59.762	62.112	-14.238	74.000	-2.350	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).

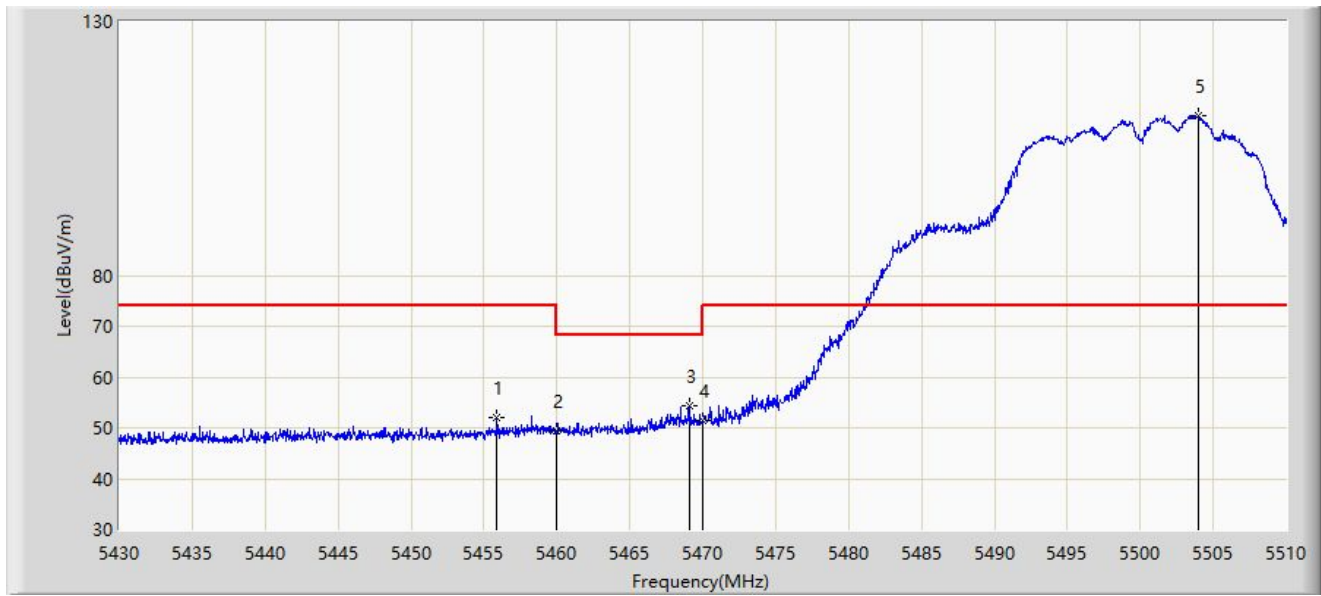| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5322.680	104.384	64.889	N/A	N/A	39.496	AV
2		5350.000	44.600	46.050	-9.400	54.000	-1.451	AV
3	*	5358.240	44.780	48.654	-9.220	54.000	-3.874	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).

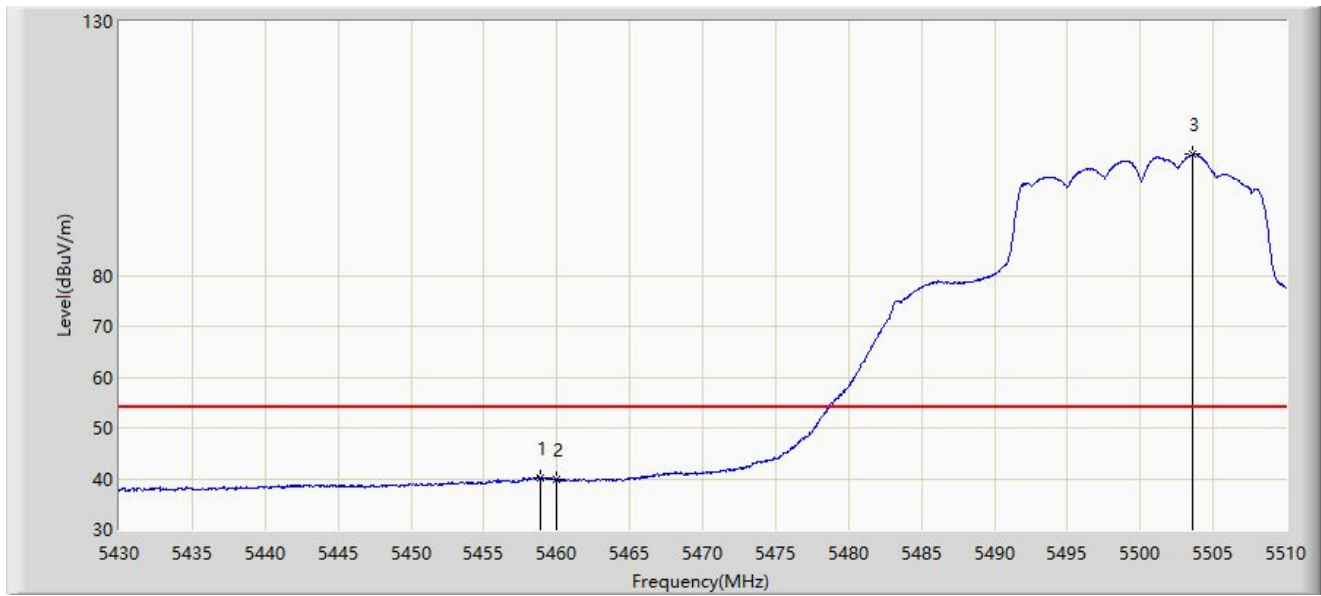| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5321.600	110.619	71.453	N/A	N/A	39.166	PK
2		5350.000	55.326	56.776	-18.674	74.000	-1.451	PK
3	*	5351.240	56.986	59.063	-17.014	74.000	-2.078	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).

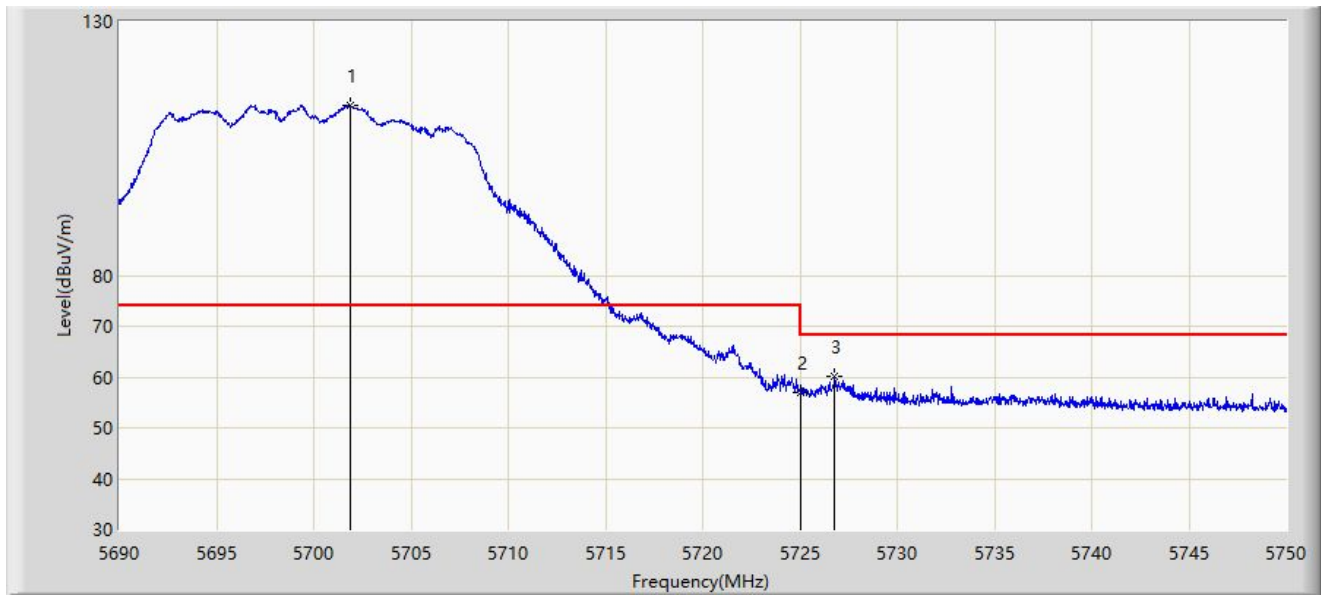| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5322.040	102.544	63.256	N/A	N/A	39.289	AV
2		5350.000	44.299	45.749	-9.701	54.000	-1.451	AV
3	*	5359.840	44.597	48.687	-9.403	54.000	-4.091	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).

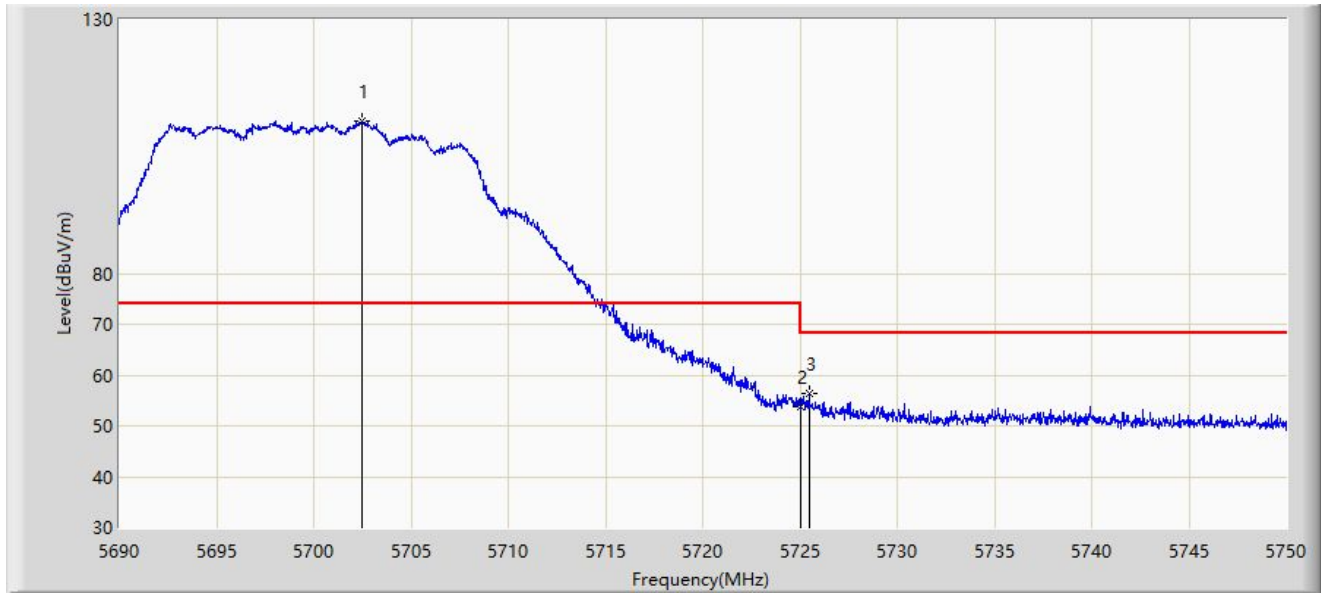| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5453.520	54.909	59.013	-19.091	74.000	-4.103	PK
2		5460.000	53.012	56.687	-15.188	68.200	-3.675	PK
3	*	5468.280	58.627	61.110	-9.573	68.200	-2.484	PK
4		5470.000	54.043	55.975	-14.157	68.200	-1.932	PK
5		5503.200	114.986	72.781	N/A	N/A	42.205	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: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5458.360	43.894	47.674	-10.106	54.000	-3.780	AV
2		5460.000	43.206	46.881	-10.794	54.000	-3.675	AV
3		5503.160	106.895	64.776	N/A	N/A	42.119	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: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5455.880	52.062	56.045	-21.938	74.000	-3.983	PK
2		5460.000	49.350	53.025	-18.850	68.200	-3.675	PK
3	*	5469.080	54.447	56.663	-13.753	68.200	-2.216	PK
4		5470.000	51.386	53.318	-16.814	68.200	-1.932	PK
5		5503.960	111.316	68.038	N/A	N/A	43.278	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).

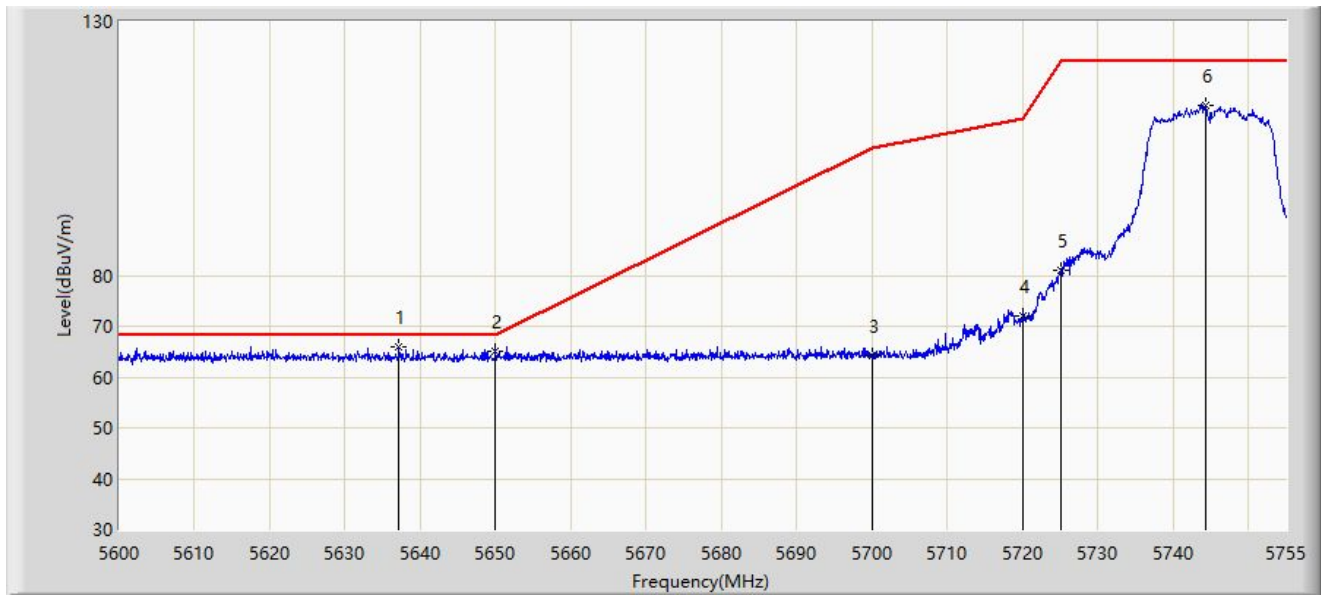| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5458.840	40.222	44.030	-13.778	54.000	-3.808	AV
2		5460.000	39.900	43.575	-14.100	54.000	-3.675	AV
3		5503.600	103.779	60.918	N/A	N/A	42.861	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: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	

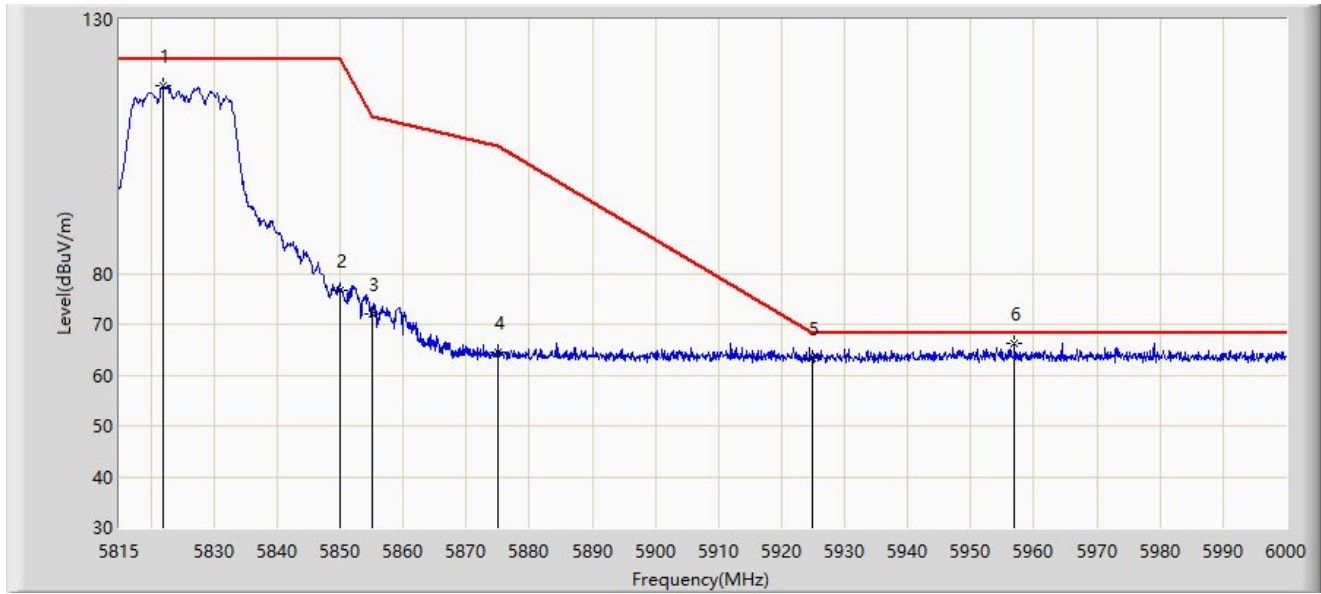| No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5701.880	113.431	76.523	N/A	N/A	36.908	PK
2		5725.000	56.985	58.580	-11.215	68.200	-1.596	PK
3	*	5726.780	60.011	62.469	-8.189	68.200	-2.457	PK

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).

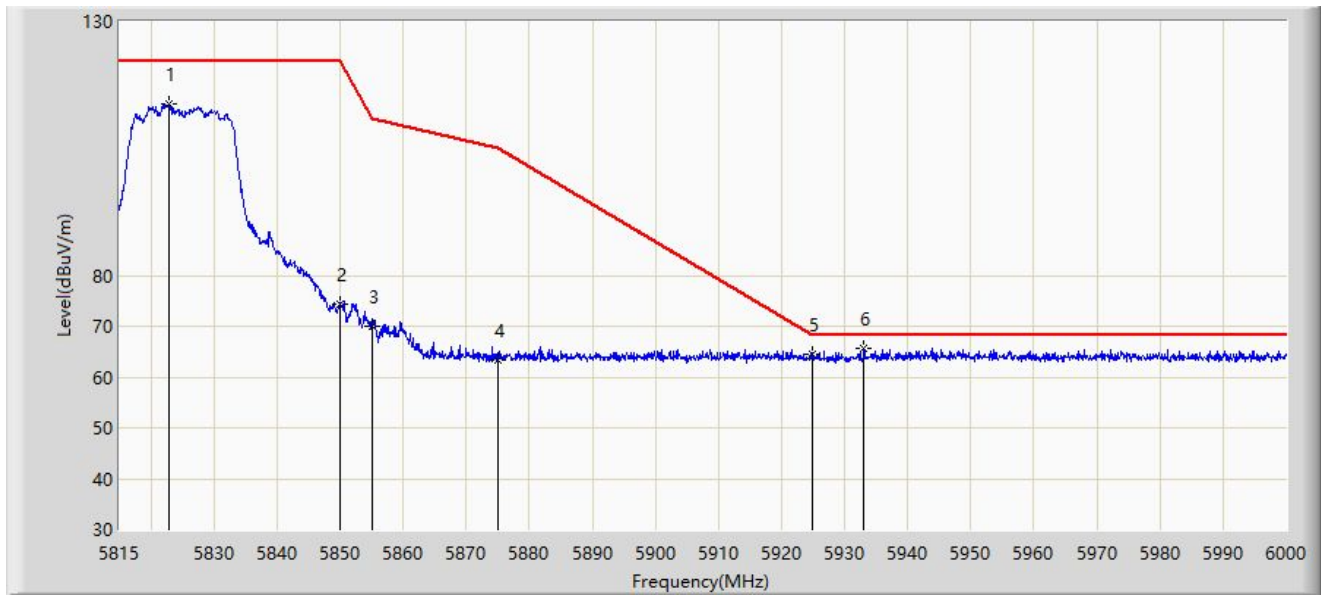| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5700MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5702.510	110.071	72.591	N/A	N/A	37.480	PK
2		5725.000	53.903	55.498	-14.297	68.200	-1.596	PK
3	*	5725.460	56.283	58.130	-11.917	68.200	-1.846	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: 2022-11-27
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	
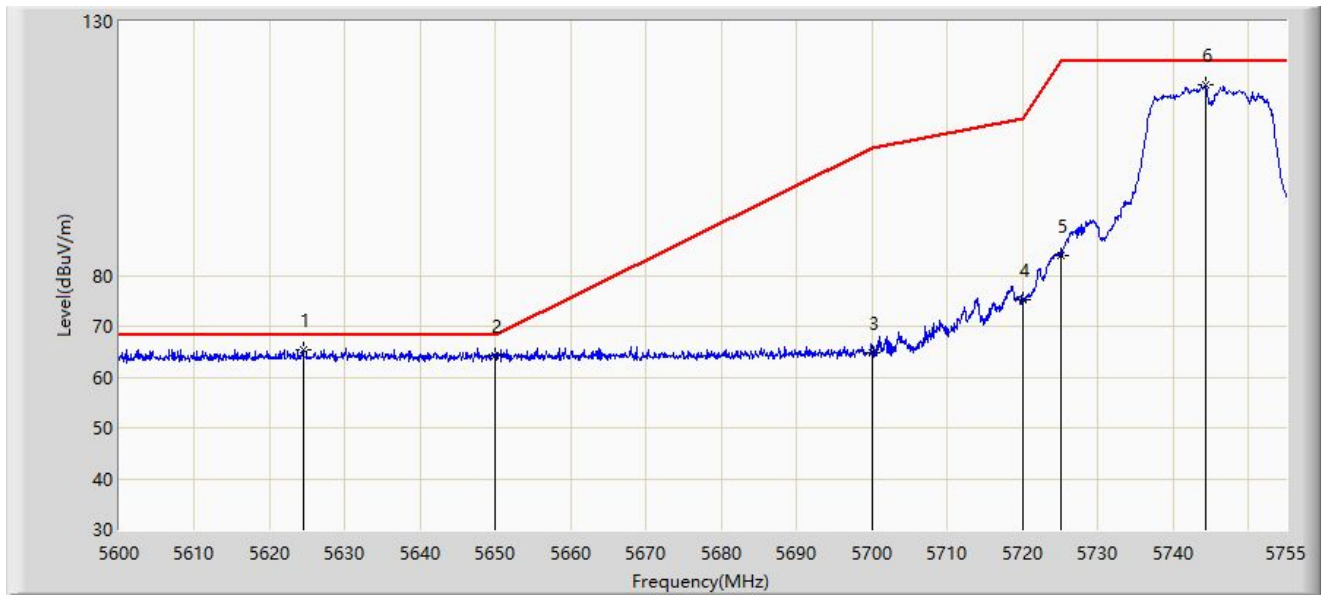
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5624.413	65.393	73.447	-2.807	68.200	-8.054	PK
2		5650.000	64.127	72.232	-4.073	68.200	-8.105	PK
3		5700.000	64.913	72.808	-40.287	105.200	-7.895	PK
4		5720.000	75.158	83.153	-35.642	110.800	-7.996	PK
5		5725.000	84.049	92.030	-38.151	122.200	-7.982	PK
6		5744.305	117.469	125.503	N/A	N/A	-8.034	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).

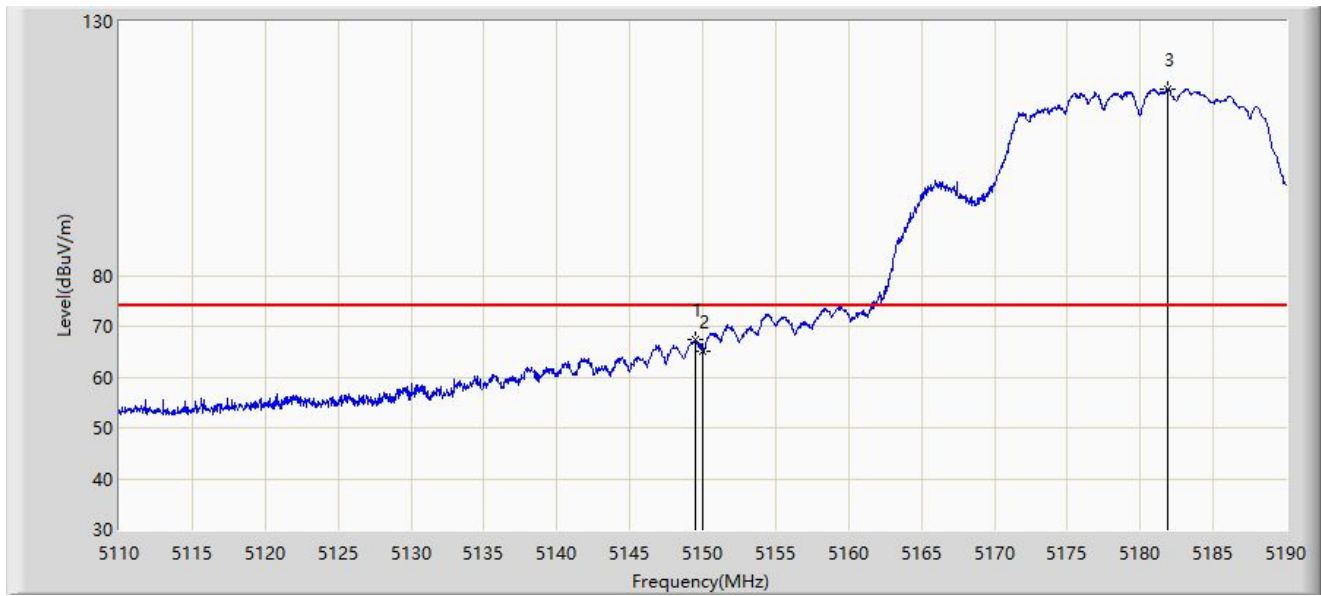| Site: SIP-AC3	Test Date: 2022-11-28
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5745MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5637.123	65.896	73.998	-2.304	68.200	-8.101	PK
2		5650.000	65.194	73.299	-3.006	68.200	-8.105	PK
3		5700.000	64.269	72.164	-40.931	105.200	-7.895	PK
4		5720.000	72.123	80.118	-38.677	110.800	-7.996	PK
5		5725.000	81.075	89.056	-41.125	122.200	-7.982	PK
6		5744.228	113.470	121.503	N/A	N/A	-8.033	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).

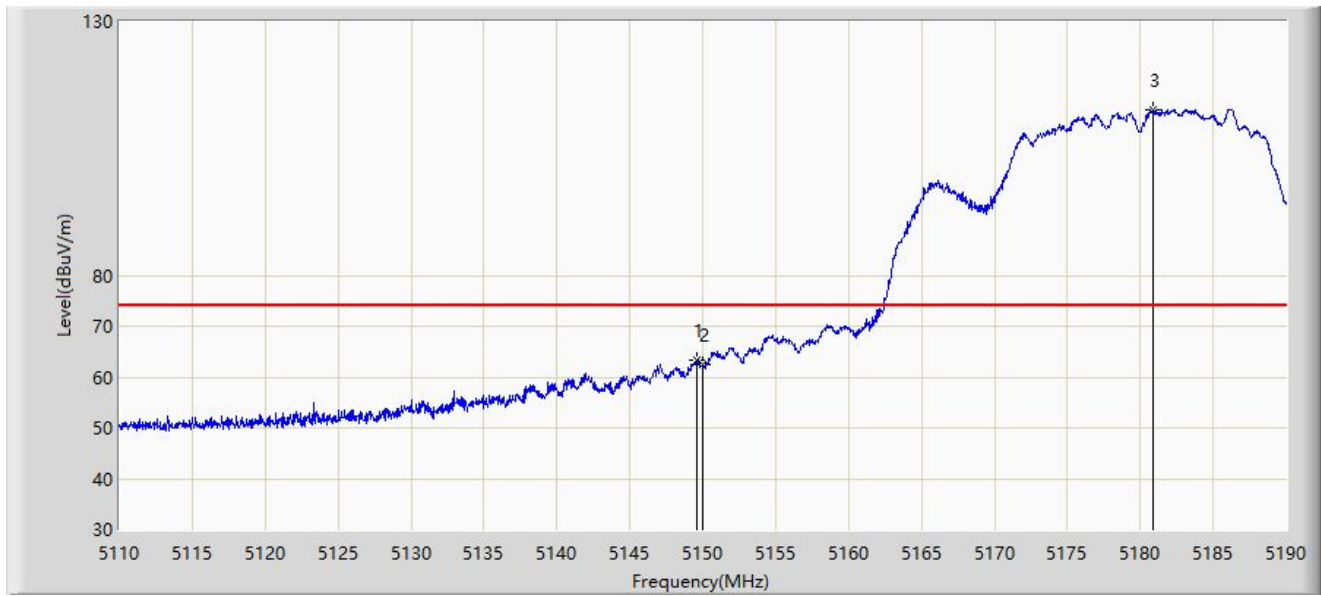| Site: SIP-AC3	Test Date: 2022-11-28
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5821.845	117.012	124.888	N/A	N/A	-7.876	PK
2		5850.000	76.607	84.494	-45.593	122.200	-7.887	PK
3		5855.000	71.893	79.791	-38.907	110.800	-7.898	PK
4		5875.000	64.455	72.366	-40.745	105.200	-7.911	PK
5		5925.000	63.338	71.375	-4.862	68.200	-8.038	PK
6	*	5956.987	66.349	74.170	-1.851	68.200	-7.821	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).

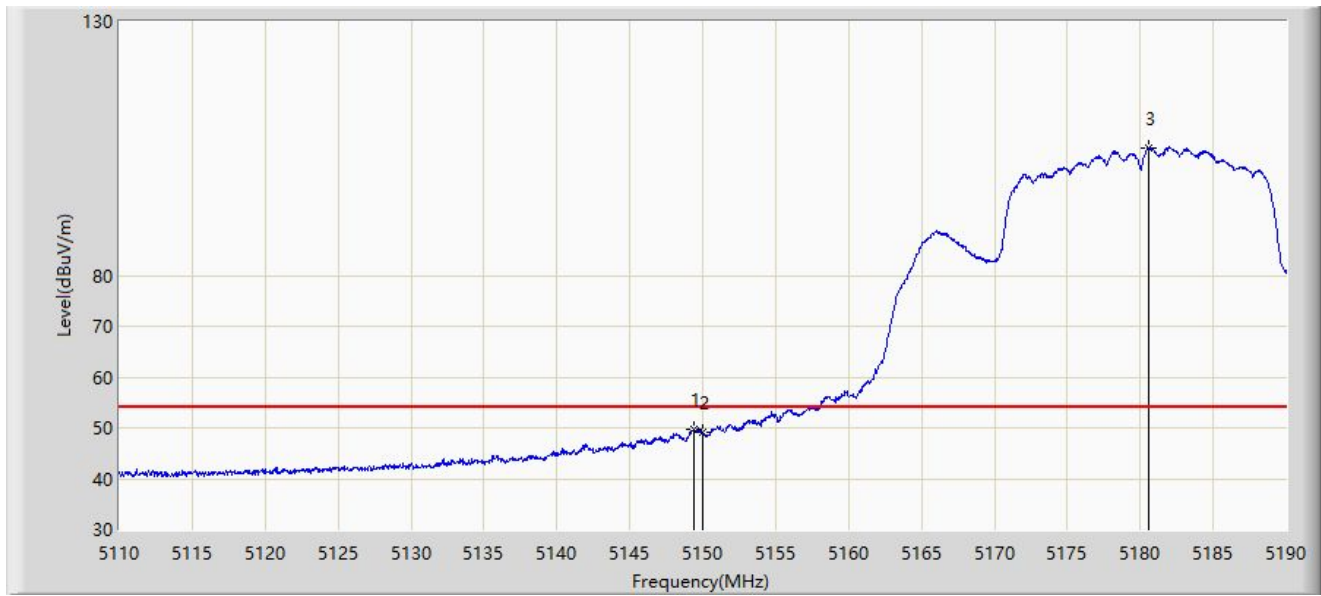| Site: SIP-AC3	Test Date: 2022-11-28
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5825MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5822.955	113.865	121.746	N/A	N/A	-7.881	PK
2		5850.000	74.462	82.349	-47.738	122.200	-7.887	PK
3		5855.000	70.129	78.027	-40.671	110.800	-7.898	PK
4		5875.000	63.403	71.314	-41.797	105.200	-7.911	PK
5		5925.000	64.562	72.599	-3.638	68.200	-8.038	PK
6	*	5933.030	65.788	73.832	-2.412	68.200	-8.043	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).

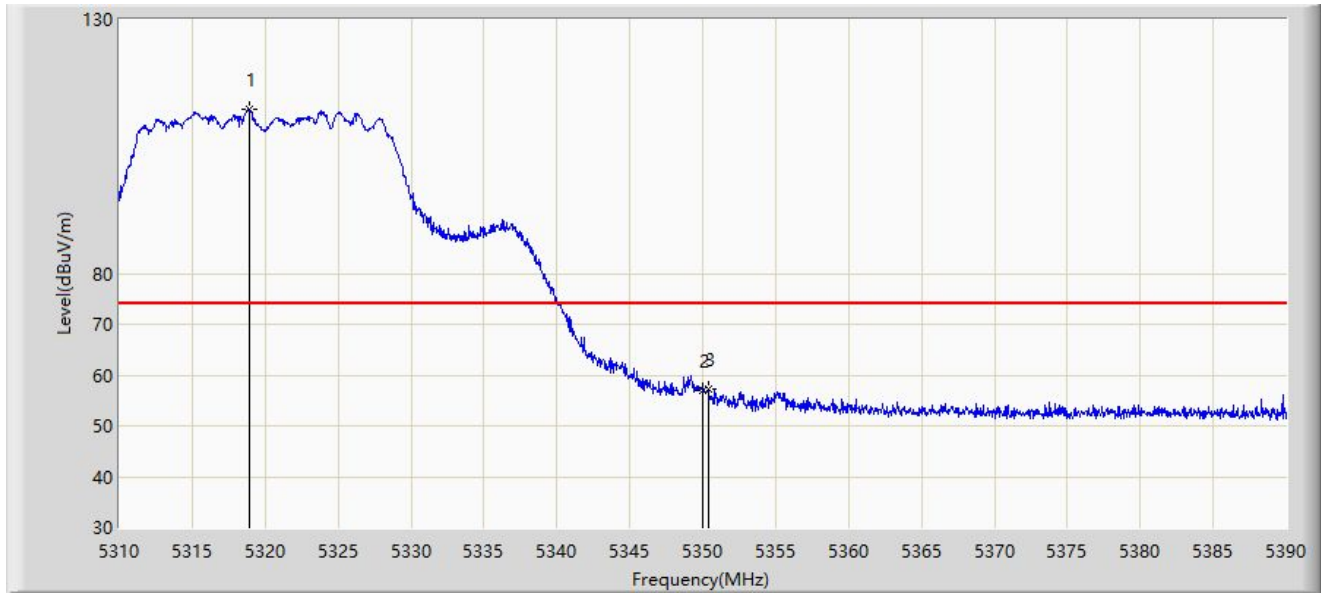| Site: SIP-AC3	Test Date: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.480	67.249	70.397	-6.751	74.000	-3.148	PK
2		5150.000	64.951	67.976	-9.049	74.000	-3.026	PK
3		5181.880	116.655	76.660	N/A	N/A	39.995	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: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.360	53.692	56.862	-0.308	54.000	-3.169	AV
2		5150.000	52.595	55.620	-1.405	54.000	-3.026	AV
3		5181.920	109.356	69.433	N/A	N/A	39.923	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).

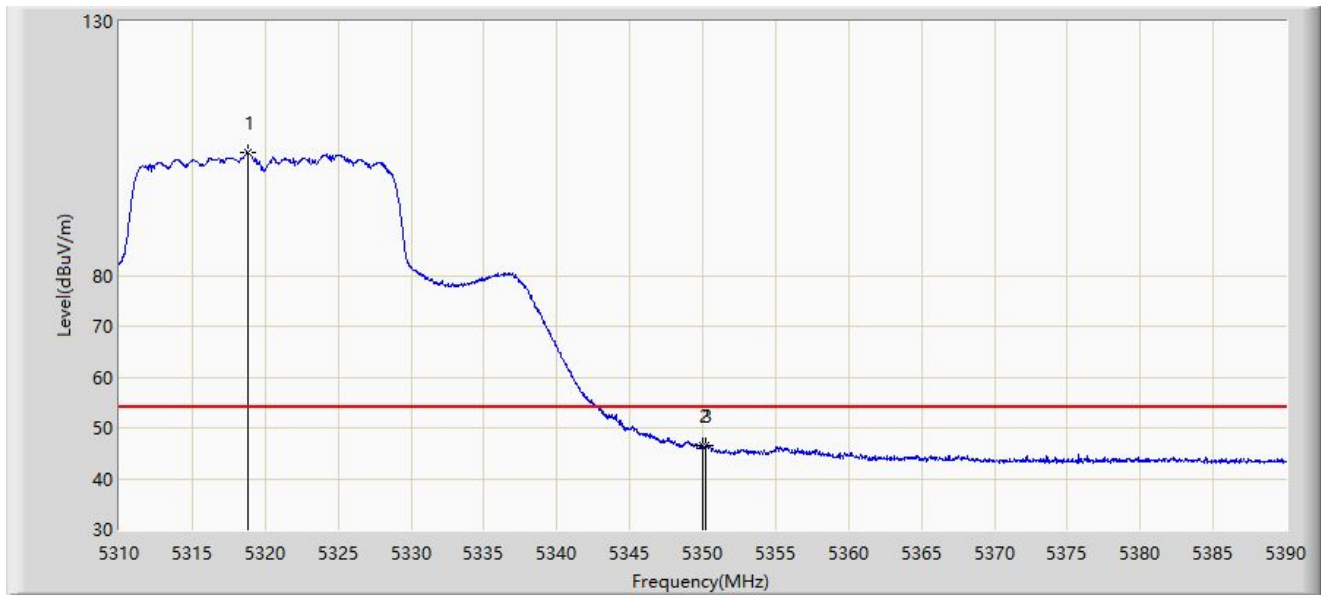| Site: SIP-AC3	Test Date: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

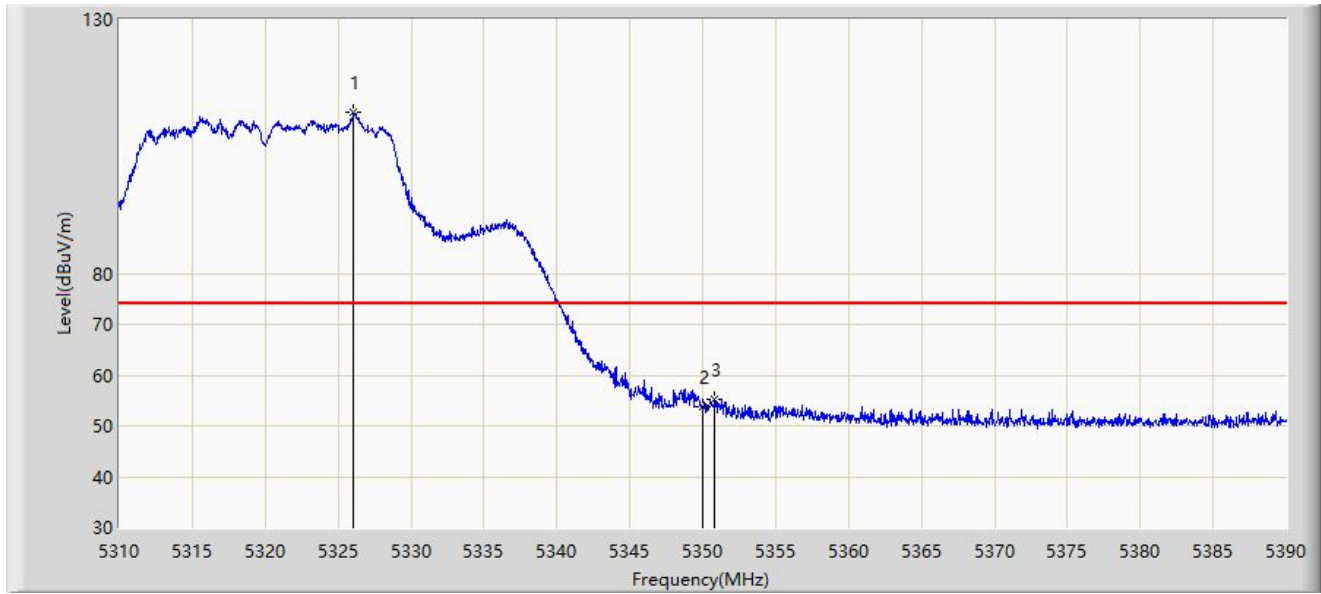| No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.560	63.292	66.426	-10.708	74.000	-3.134	PK
2		5150.000	62.364	65.389	-11.636	74.000	-3.026	PK
3		5180.840	112.476	71.171	N/A	N/A	41.305	PK

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: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5180MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.400	49.725	52.888	-4.275	54.000	-3.162	AV
2		5150.000	49.156	52.181	-4.844	54.000	-3.026	AV
3		5180.600	105.138	63.688	N/A	N/A	41.449	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).

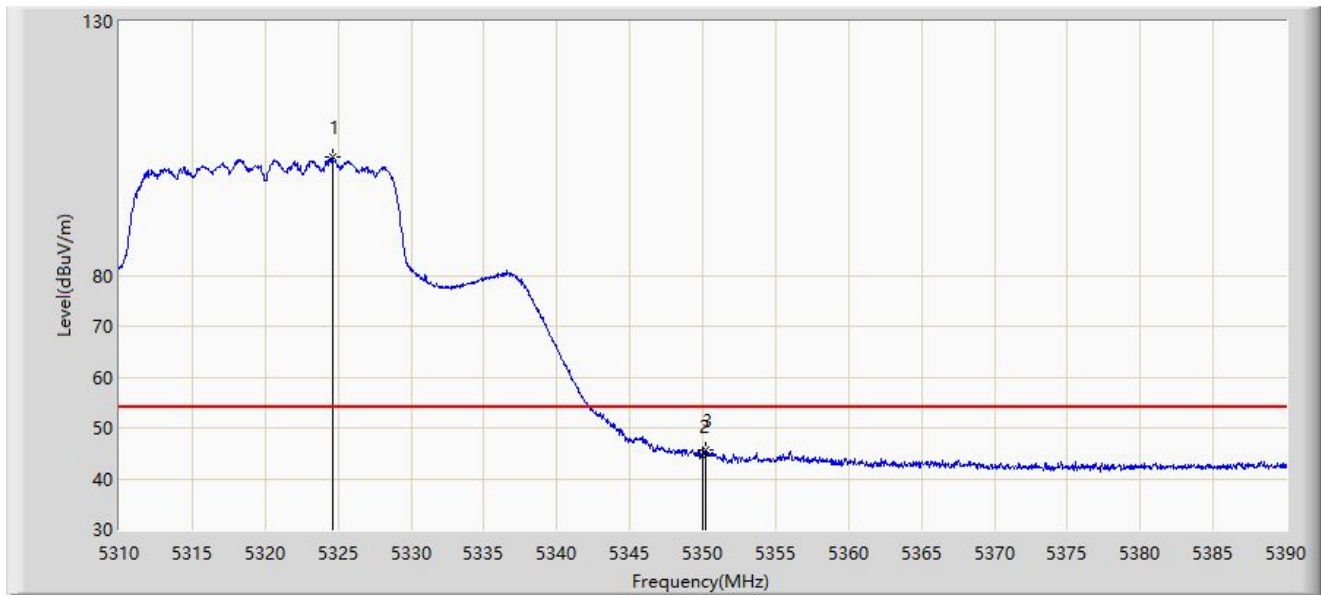| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5318.920	112.342	72.549	N/A	N/A	39.793	PK
2		5350.000	56.932	58.382	-17.068	74.000	-1.451	PK
3	*	5350.400	57.382	59.046	-16.618	74.000	-1.665	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).

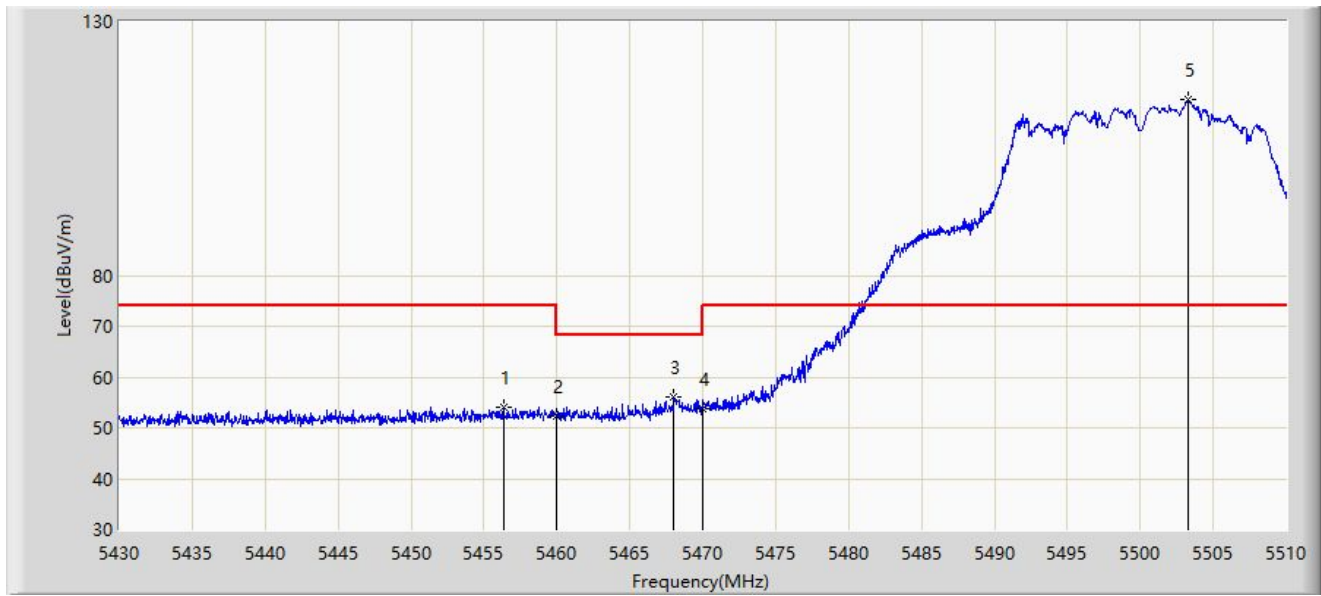| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5318.840	104.075	64.215	N/A	N/A	39.860	AV
2		5350.000	46.494	47.944	-7.506	54.000	-1.451	AV
3	*	5350.240	46.568	48.146	-7.432	54.000	-1.579	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).

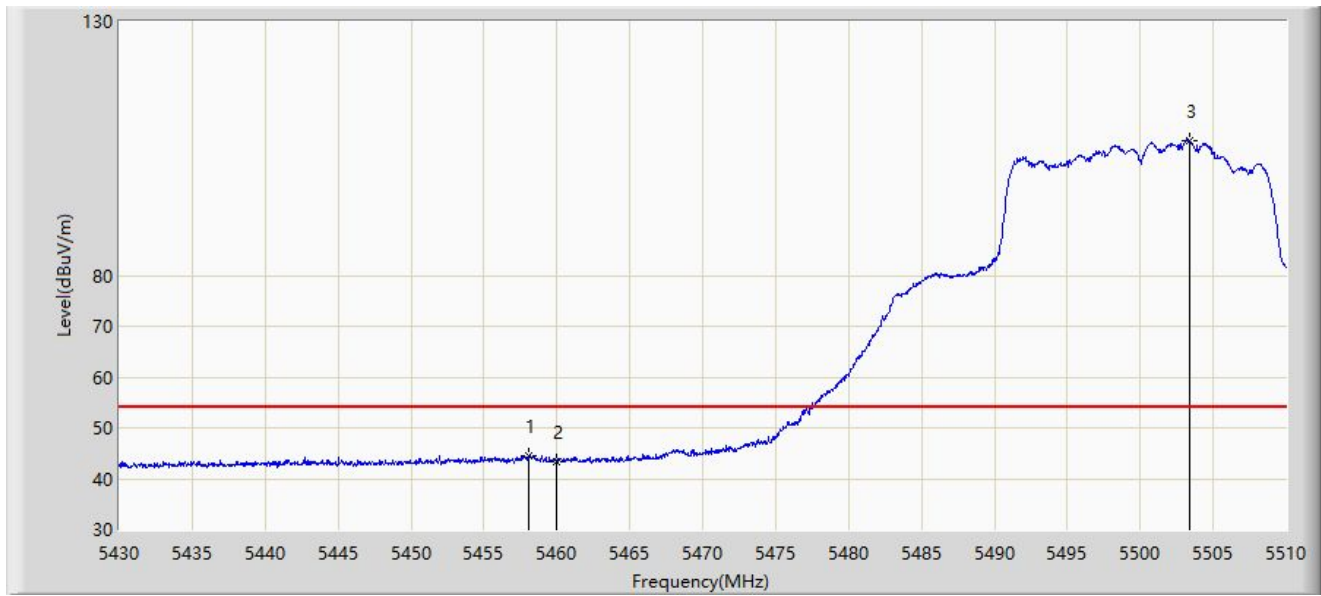| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5326.080	111.640	73.100	N/A	N/A	38.540	PK
2		5350.000	53.797	55.247	-20.203	74.000	-1.451	PK
3	*	5350.800	55.252	57.115	-18.748	74.000	-1.863	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: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5320MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5324.640	103.212	63.976	N/A	N/A	39.236	AV
2		5350.000	44.611	46.061	-9.389	54.000	-1.451	AV
3	*	5350.160	45.531	47.067	-8.469	54.000	-1.536	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).

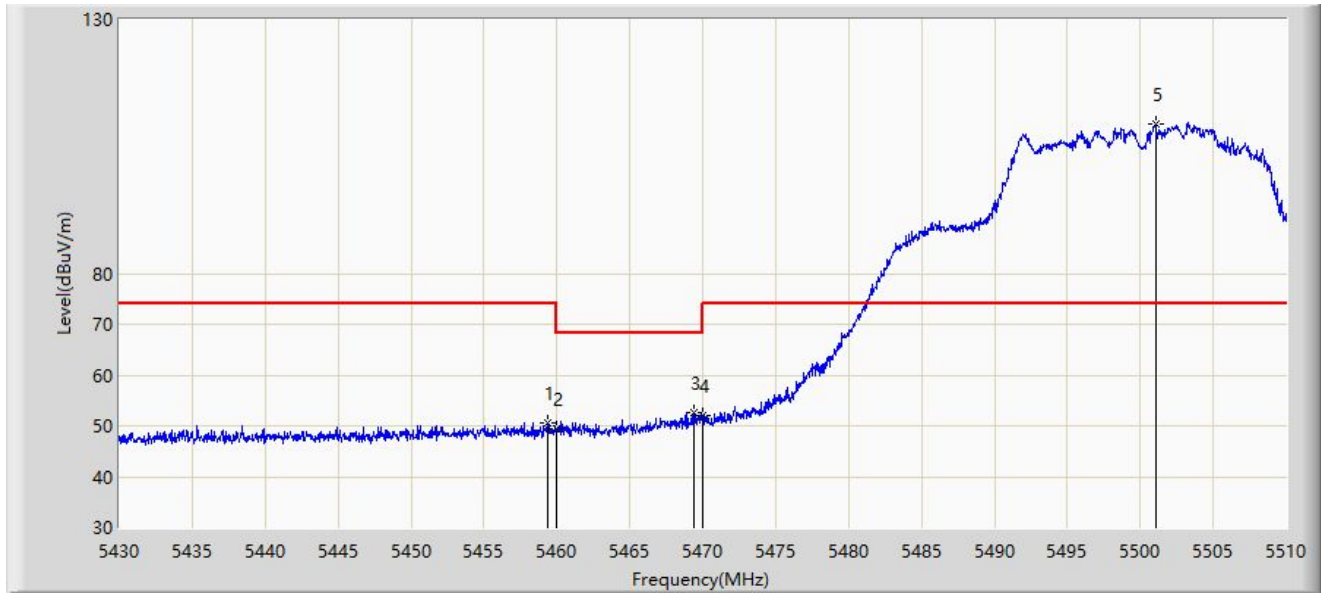| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5456.360	54.122	58.118	-19.878	74.000	-3.995	PK
2		5460.000	52.353	56.028	-15.847	68.200	-3.675	PK
3	*	5468.040	56.165	58.743	-12.035	68.200	-2.577	PK
4		5470.000	53.629	55.561	-14.571	68.200	-1.932	PK
5		5503.280	114.493	72.157	N/A	N/A	42.336	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).

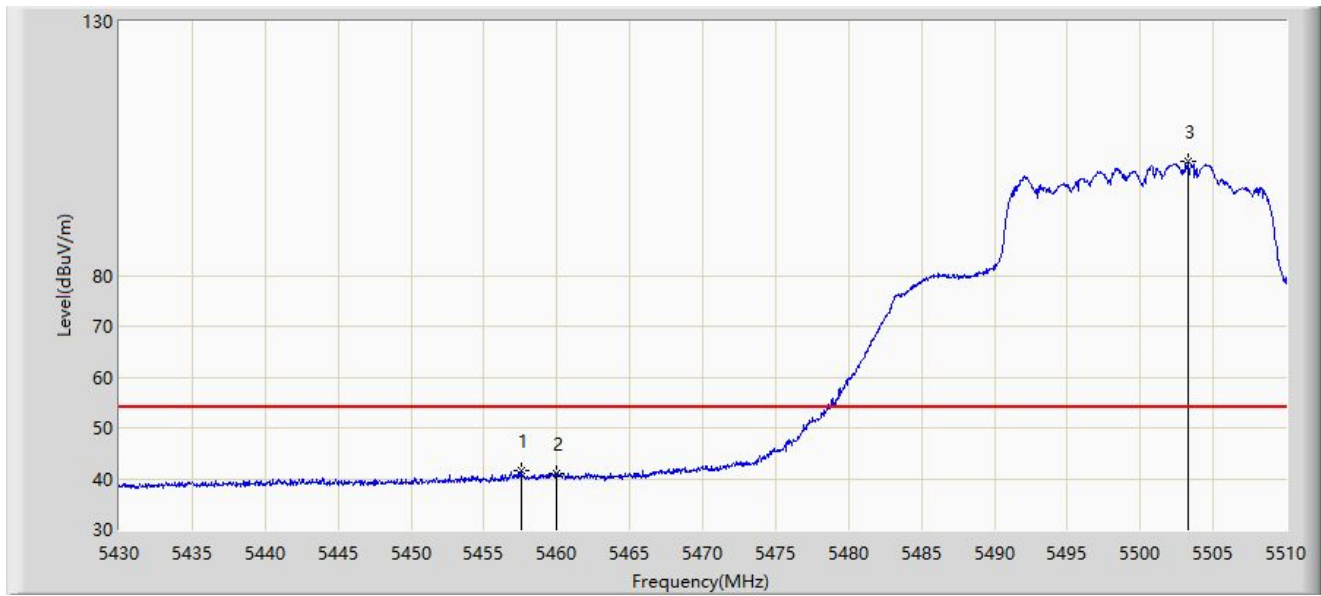| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5458.120	44.539	48.357	-9.461	54.000	-3.817	AV
2		5460.000	43.391	47.066	-10.609	54.000	-3.675	AV
3		5503.360	106.565	64.097	N/A	N/A	42.467	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).

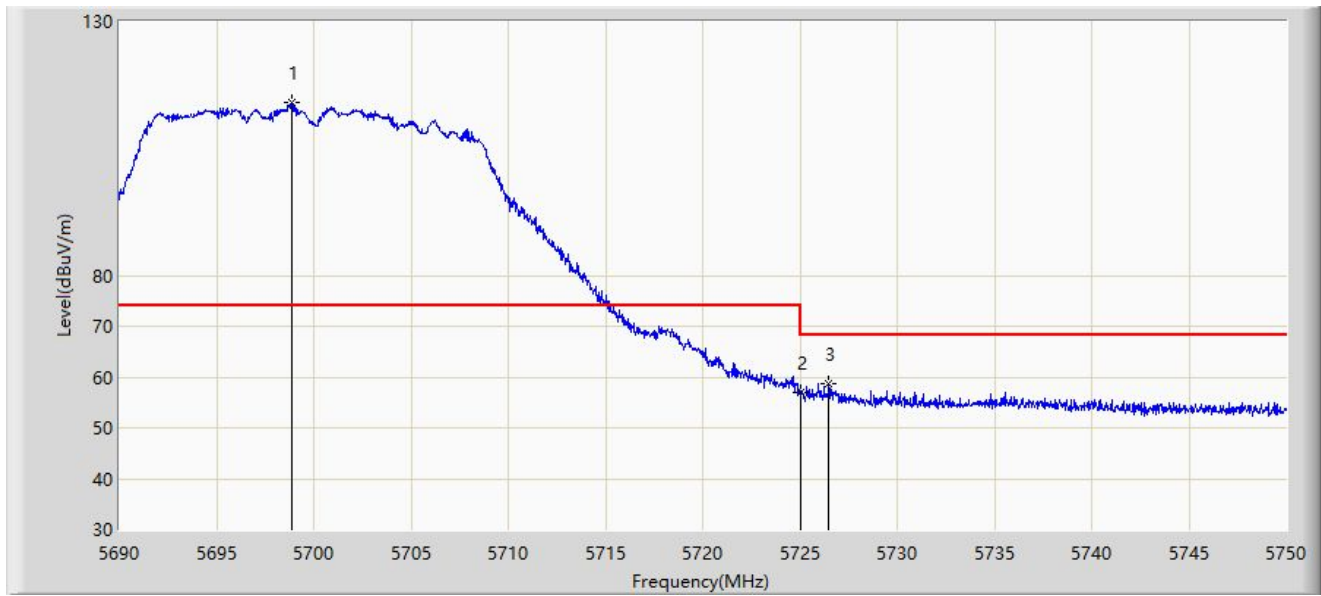| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5459.400	50.656	54.409	-23.344	74.000	-3.753	PK
2		5460.000	49.447	53.122	-18.753	68.200	-3.675	PK
3	*	5469.360	52.616	54.736	-15.584	68.200	-2.120	PK
4		5470.000	52.111	54.043	-16.089	68.200	-1.932	PK
5		5501.040	109.285	70.462	N/A	N/A	38.823	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).

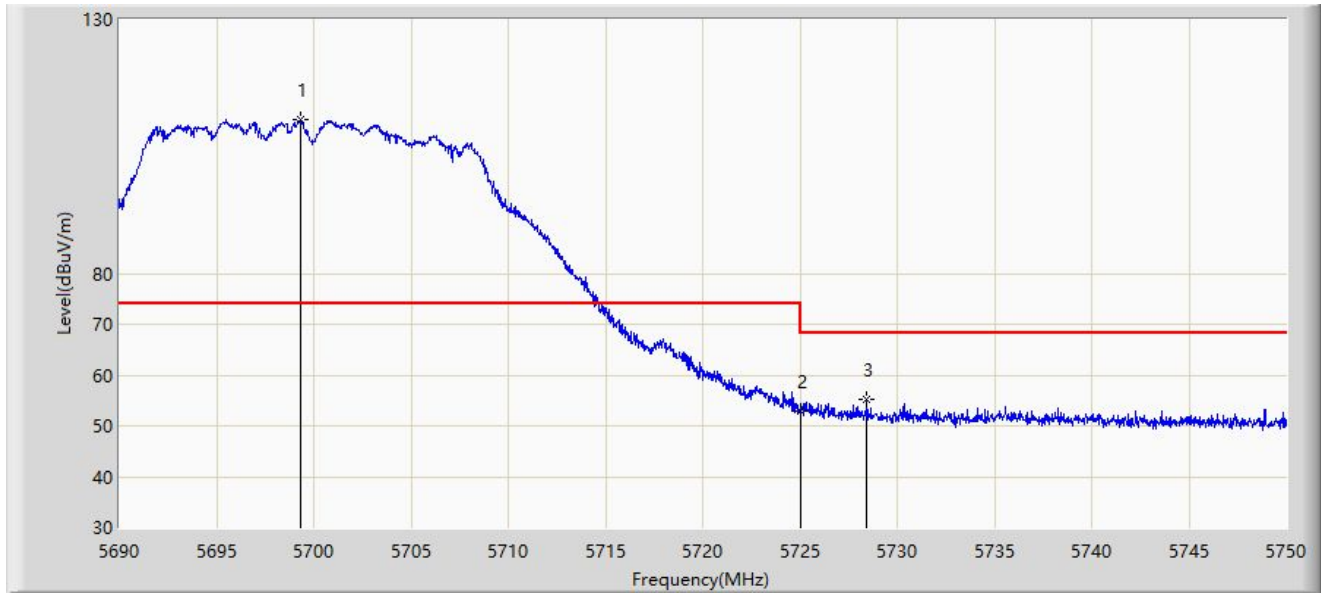| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5500MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5457.520	41.656	45.565	-12.344	54.000	-3.909	AV
2		5460.000	40.893	44.568	-13.107	54.000	-3.675	AV
3		5503.240	102.346	60.075	N/A	N/A	42.271	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: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	

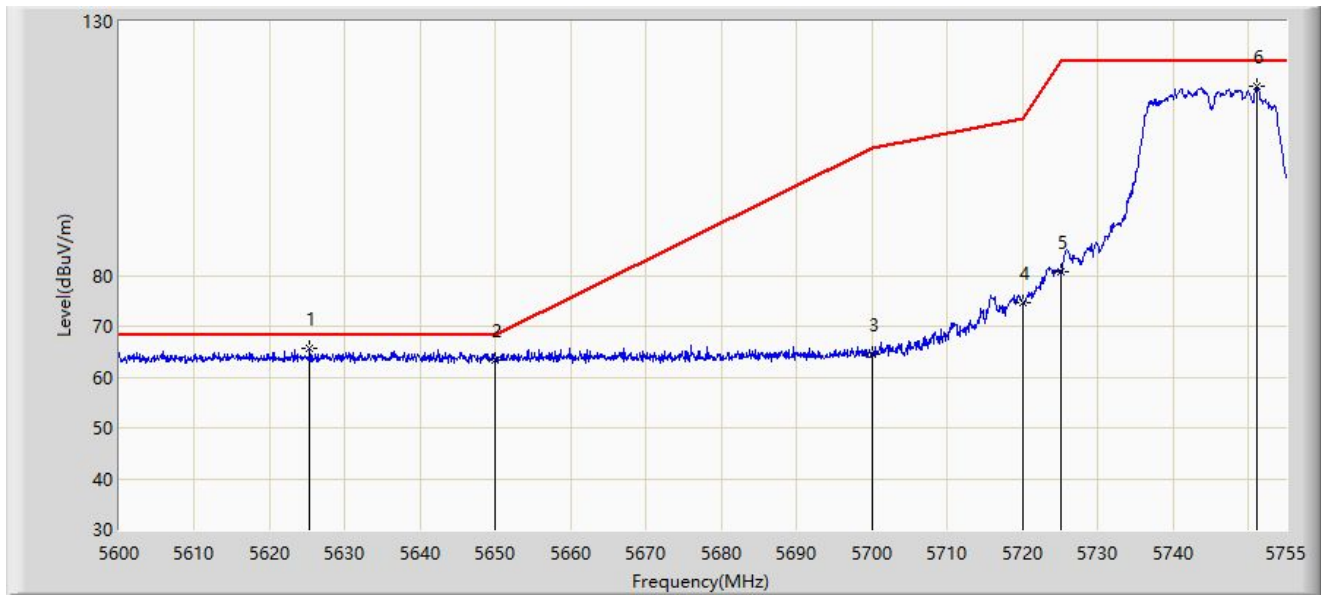| No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5698.880	114.041	78.243	N/A	N/A	35.798	PK
2		5725.000	57.085	58.680	-11.115	68.200	-1.596	PK
3	*	5726.480	58.787	61.106	-9.413	68.200	-2.320	PK

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).

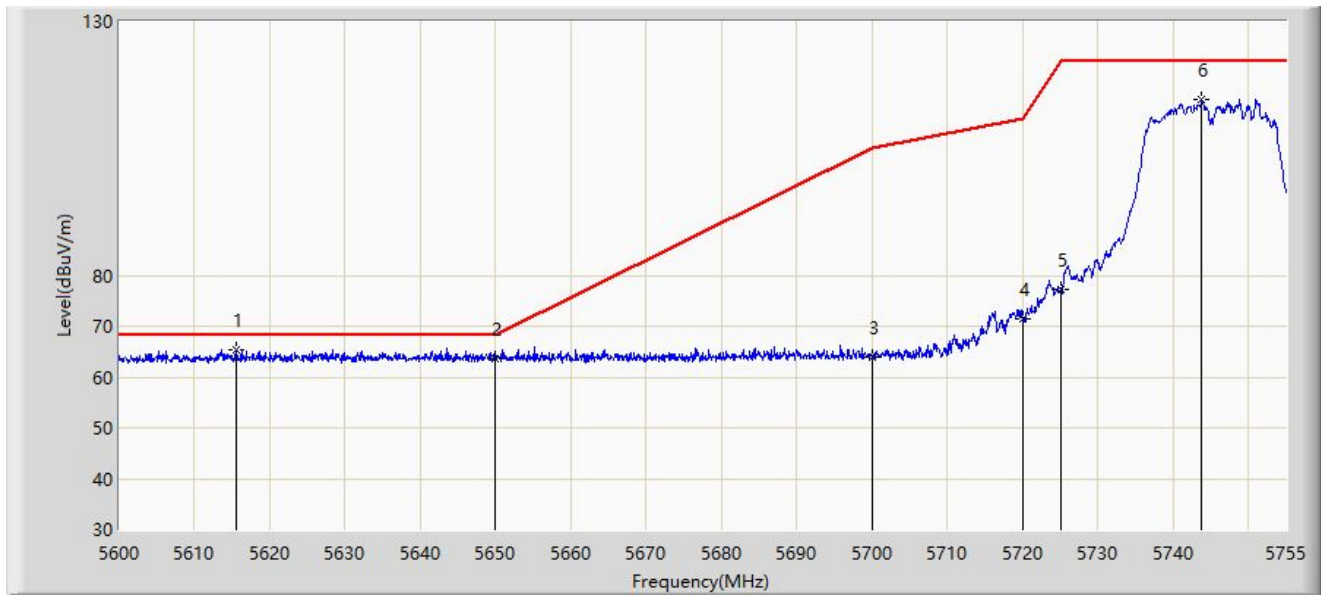| Site: SIP-AC3	Test Date: 2022-11-29
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5700MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5699.330	110.243	74.615	N/A	N/A	35.628	PK
2		5725.000	52.764	54.359	-15.436	68.200	-1.596	PK
3	*	5728.430	55.141	58.127	-13.059	68.200	-2.987	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: 2022-11-28
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5625.265	65.583	73.640	-2.617	68.200	-8.057	PK
2		5650.000	63.200	71.305	-5.000	68.200	-8.105	PK
3		5700.000	64.408	72.303	-40.792	105.200	-7.895	PK
4		5720.000	74.520	82.515	-36.280	110.800	-7.996	PK
5		5725.000	80.856	88.837	-41.344	122.200	-7.982	PK
6		5751.047	117.301	125.396	N/A	N/A	-8.094	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).

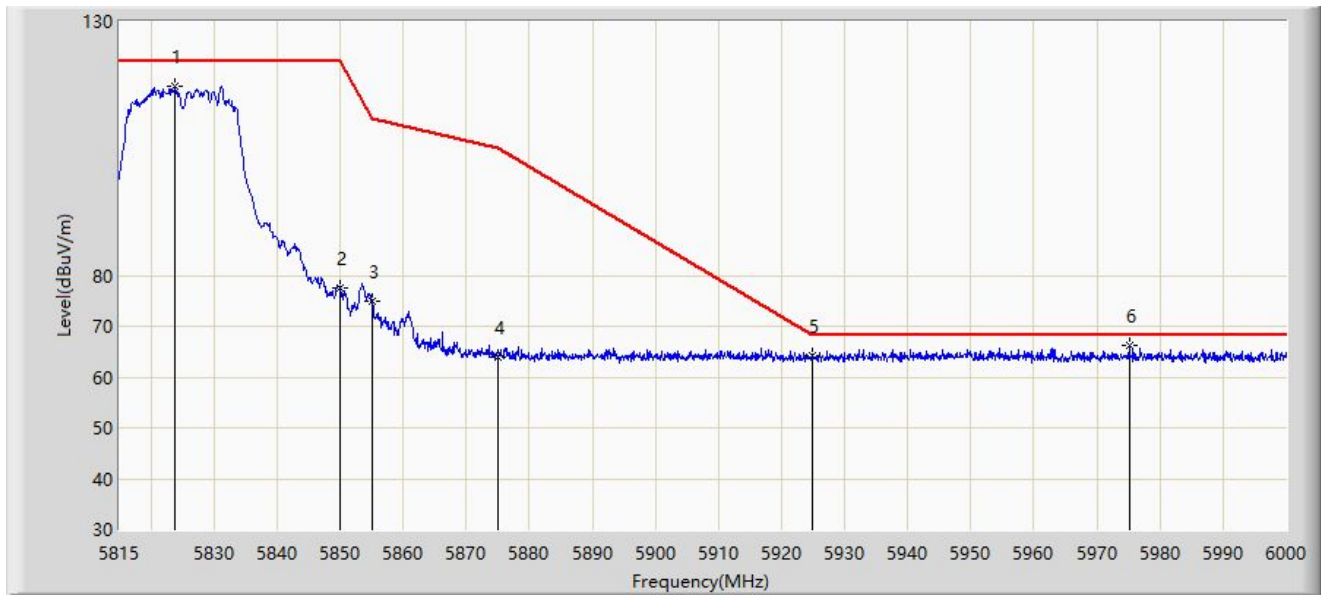| Site: SIP-AC3	Test Date: 2022-11-28
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5745MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5615.500	65.383	73.508	-2.817	68.200	-8.126	PK
2		5650.000	63.641	71.746	-4.559	68.200	-8.105	PK
3		5700.000	63.981	71.876	-41.219	105.200	-7.895	PK
4		5720.000	71.558	79.553	-39.242	110.800	-7.996	PK
5		5725.000	77.368	85.349	-44.832	122.200	-7.982	PK
6		5743.763	114.537	122.566	N/A	N/A	-8.029	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).

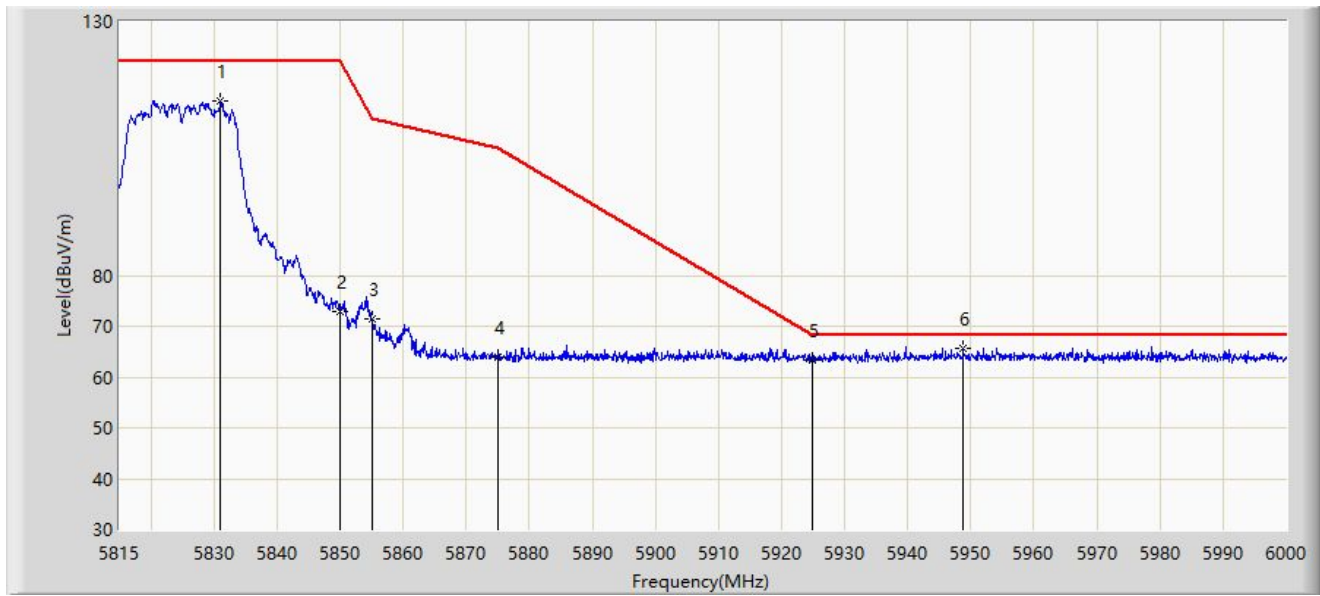| Site: SIP-AC3	Test Date: 2022-11-28
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		5823.788	117.119	125.005	N/A	N/A	-7.885	PK
2		5850.000	77.448	85.335	-44.752	122.200	-7.887	PK
3		5855.000	74.879	82.777	-35.921	110.800	-7.898	PK
4		5875.000	63.869	71.780	-41.331	105.200	-7.911	PK
5		5925.000	64.263	72.300	-3.937	68.200	-8.038	PK
6	*	5975.118	66.194	74.057	-2.006	68.200	-7.863	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).

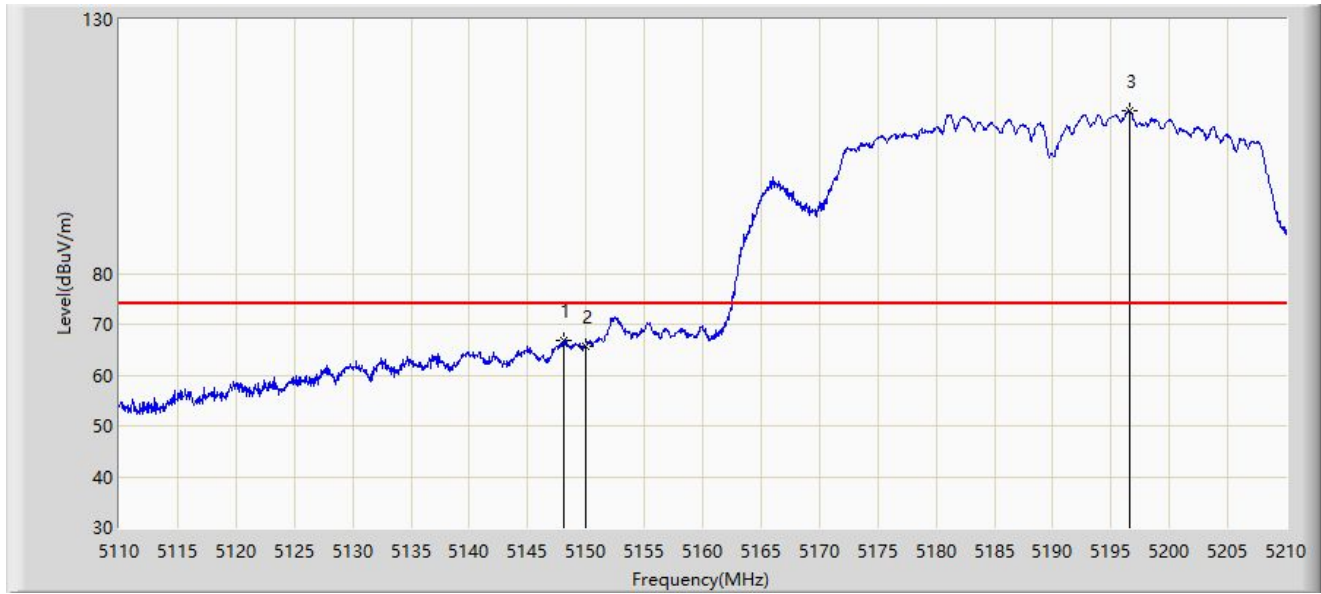| Site: SIP-AC3	Test Date: 2022-11-28
Limit: FCC_5.8G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5831.095	114.390	122.290	N/A	N/A	-7.901	PK
2		5850.000	72.846	80.733	-49.354	122.200	-7.887	PK
3		5855.000	71.572	79.470	-39.228	110.800	-7.898	PK
4		5875.000	63.898	71.809	-41.302	105.200	-7.911	PK
5		5925.000	63.309	71.346	-4.891	68.200	-8.038	PK
6	*	5948.755	65.579	73.305	-2.621	68.200	-7.727	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).

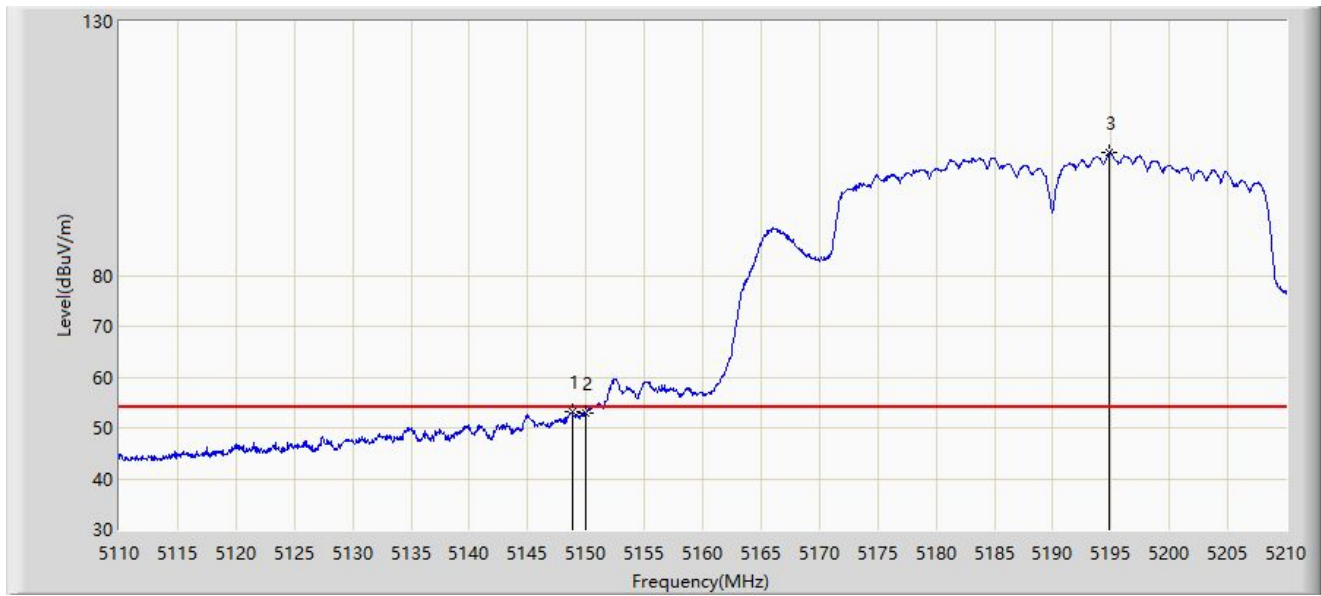| Site: SIP-AC3	Test Date: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5148.050	66.699	70.115	-7.301	74.000	-3.415	PK
2		5150.000	65.593	68.618	-8.407	74.000	-3.026	PK
3		5196.550	112.168	76.563	N/A	N/A	35.606	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).

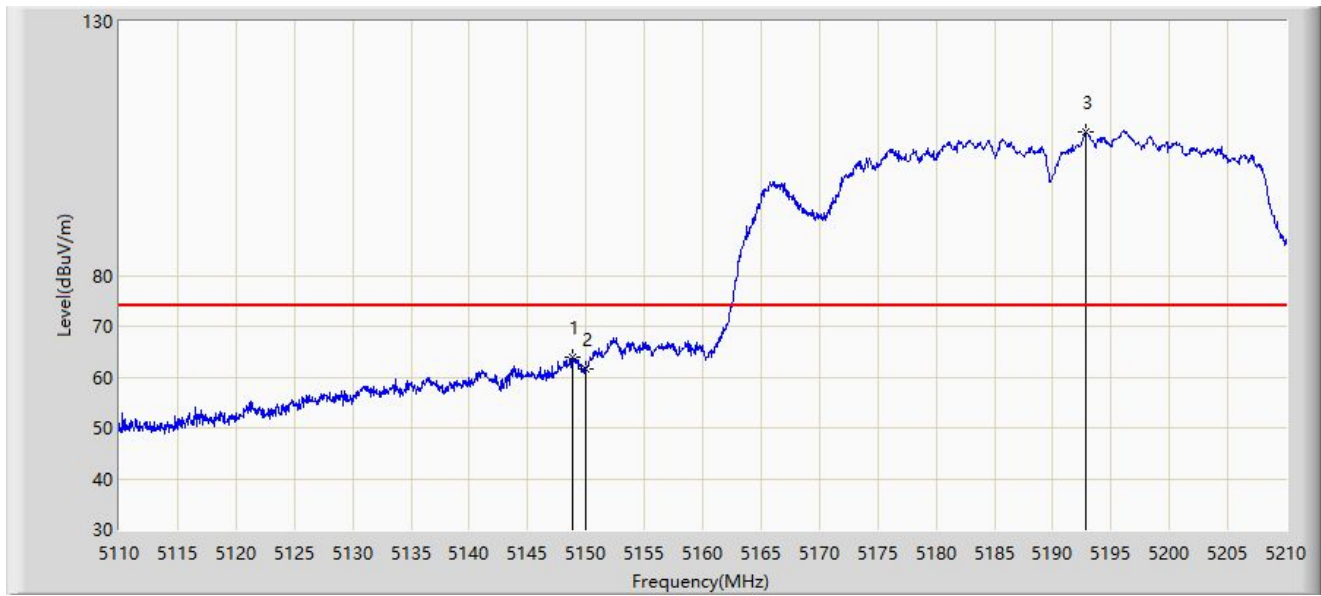| Site: SIP-AC3	Test Date: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5148.850	53.123	56.385	-0.877	54.000	-3.262	AV
2		5150.000	52.938	55.963	-1.062	54.000	-3.026	AV
3		5194.850	104.131	68.668	N/A	N/A	35.463	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).

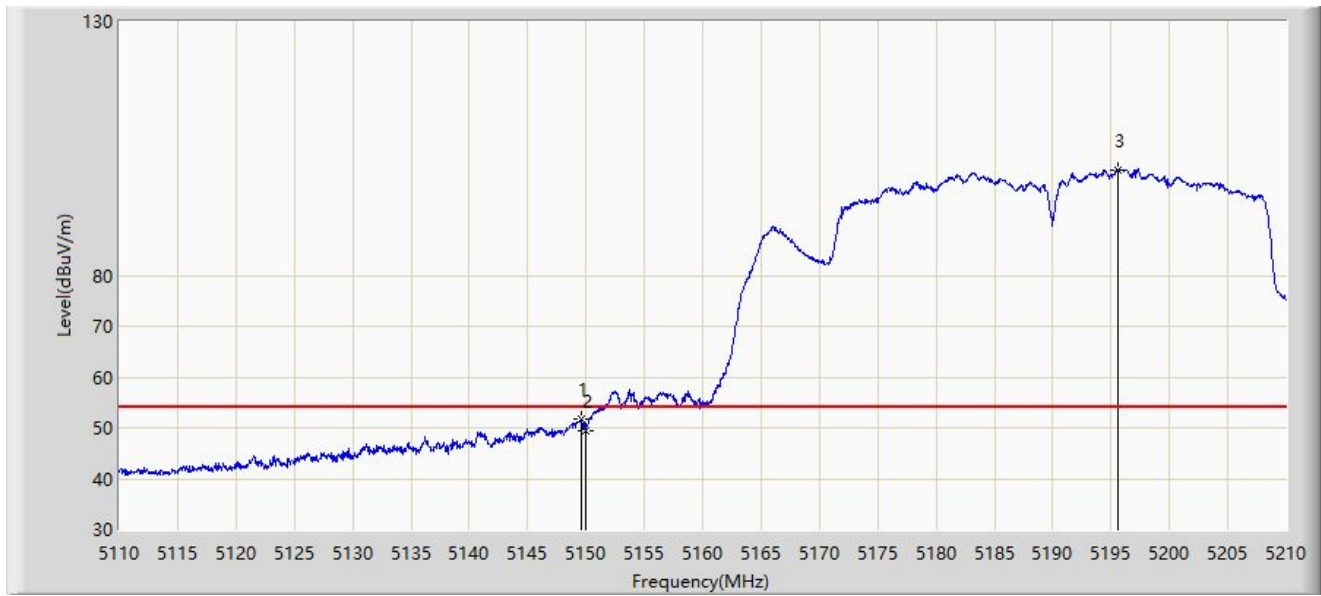| Site: SIP-AC3	Test Date: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5148.850	63.817	67.079	-10.183	74.000	-3.262	PK
2		5150.000	61.537	64.562	-12.463	74.000	-3.026	PK
3		5192.800	108.215	71.679	N/A	N/A	36.536	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: 2022-11-27
Limit: FCC_5G_RE(3m)	Engineer: Arvin Ding
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: GPON HGU	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	

No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	5149.550	51.671	54.807	-2.329	54.000	-3.135	AV
2		5150.000	49.559	52.584	-4.441	54.000	-3.026	AV
3		5195.600	100.760	65.318	N/A	N/A	35.442	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).