

A.4 TIME OF OCCUPANCY

Test Date	2024/10/14~17	Temp./Hum.	23°C/58~61%
Cable Loss	0.90 dB	Tested By	Brian Hsieh
Test Voltage	DC 6V (Via Battery)		

A.4.1 Time of Occupancy

Mode	Centre Frequency (MHz)	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
FASSTest (ANT A)	2405.376	3	1.500	20.700	<400
	2439.168	3	1.500	20.700	<400
	2472.960	3	1.500	20.700	<400

Observation Period:

23 channels* 0.4 seconds= 9.2 seconds

Centre Frequency: 2405.376MHz

For each second of 3 transmission appearance,the longest time of occupancy is
3 channels* 9.2 /2* 1.500 ms= 20.700 ms (<400ms)

Centre Frequency: 2439.168MHz

For each second of 3 transmission appearance,the longest time of occupancy is
3 channels* 9.2 /2* 1.500 ms= 20.700 ms (<400ms)

Centre Frequency: 2472.960MHz

For each second of 3 transmission appearance,the longest time of occupancy is
3 channels* 9.2 /2* 1.500 ms= 20.700 ms (<400ms)

Mode	Centre Frequency (MHz)	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
FASSTest (ANT B)	2405.376	3	1.500	20.700	<400
	2439.168	3	1.500	20.700	<400
	2472.960	3	1.500	20.700	<400

Observation Period:

23 channels* 0.4 seconds= 9.2 seconds

Centre Frequency: 2405.376MHz

For each second of 3 transmission appearance,the longest time of occupancy is
3 channels* 9.2 /2* 1.500 ms= 20.700 ms (<400ms)

Centre Frequency: 2439.168MHz

For each second of 3 transmission appearance,the longest time of occupancy is
3 channels* 9.2 /2* 1.500 ms= 20.700 ms (<400ms)

Centre Frequency: 2472.960MHz

For each second of 3 transmission appearance,the longest time of occupancy is
3 channels* 9.2 /2* 1.500 ms= 20.700 ms (<400ms)

Mode	Centre Frequency (MHz)	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
T-FHSS (ANT A)	2407.50	1	1.400	17.3600	<400
	2437.50	1	1.400	17.3600	<400
	2467.50	1	1.400	17.3600	<400

Observation Period:

31 channels* 0.4 seconds= 12.4 seconds

Centre Frequency: 2407.50MHzFor each second of 1 transmission appearance,the longest time of occupancy is
1 channels* 12.4 /1* 1.4000 ms= 17.3600 ms (<400ms)**Centre Frequency: 2437.50MHz**For each second of 1 transmission appearance,the longest time of occupancy is
1 channels* 12.4 /1* 1.4000 ms= 17.3600 ms (<400ms)**Centre Frequency: 2467.50MHz**For each second of 1 transmission appearance,the longest time of occupancy is
1 channels* 12.4 /1* 1.4000 ms= 17.3600 ms (<400ms)

Mode	Centre Frequency (MHz)	Each second appearance transmission	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
T-FHSS (ANT B)	2407.50	1	1.500	18.6000	<400
	2437.50	1	1.500	18.6000	<400
	2467.50	1	1.500	18.6000	<400

Observation Period:

31 channels* 0.4 seconds= 12.4 seconds

Centre Frequency: 2407.50MHzFor each second of 1 transmission appearance,the longest time of occupancy is
1 channels* 12.4 /1* 1.5000 ms= 18.6000 ms (<400ms)**Centre Frequency: 2437.50MHz**For each second of 1 transmission appearance,the longest time of occupancy is
1 channels* 12.4 /1* 1.5000 ms= 18.6000 ms (<400ms)**Centre Frequency: 2467.50MHz**For each second of 1 transmission appearance,the longest time of occupancy is
1 channels* 12.4 /1* 1.5000 ms= 18.6000 ms (<400ms)

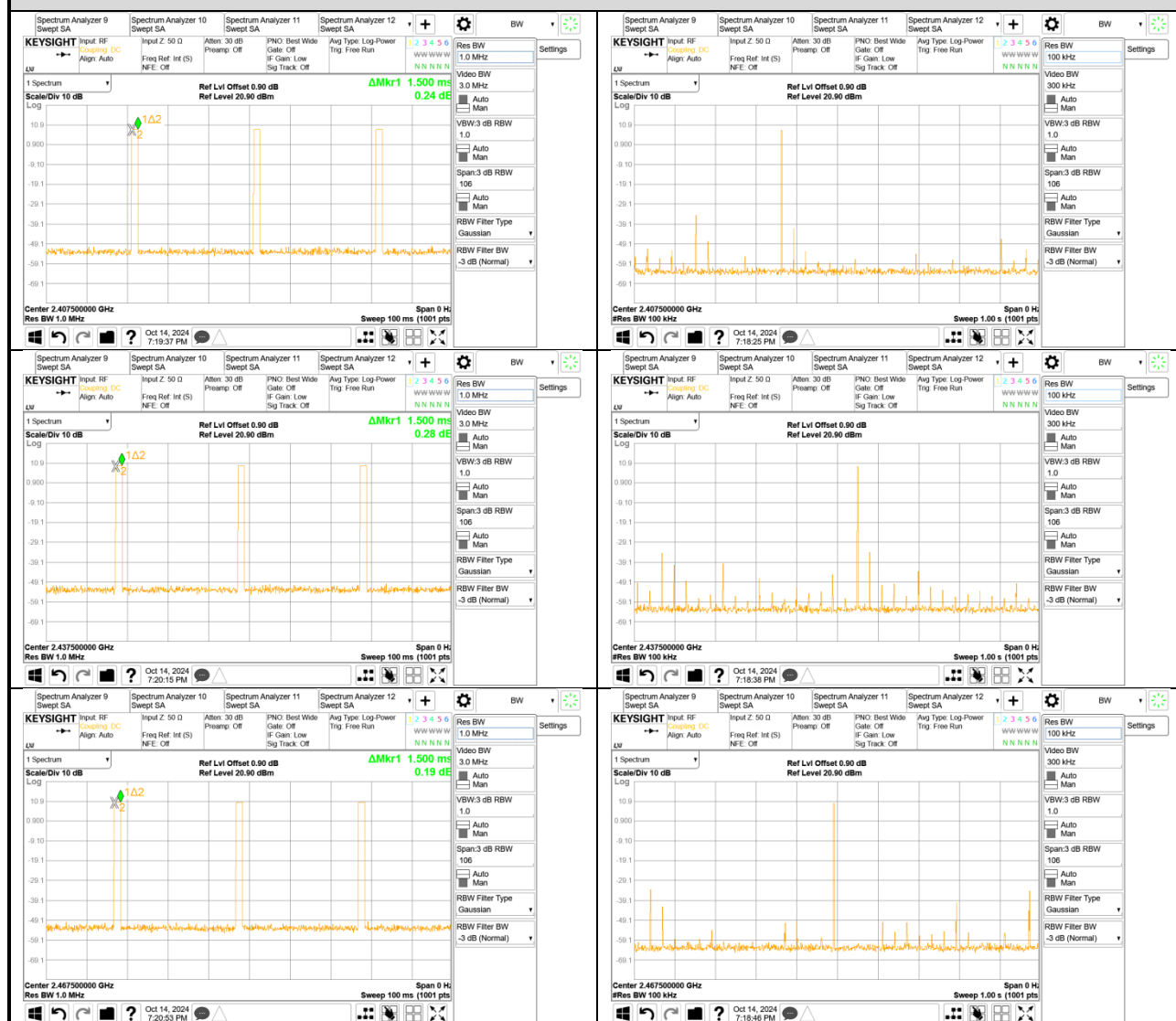
T-FHSS

ANT A



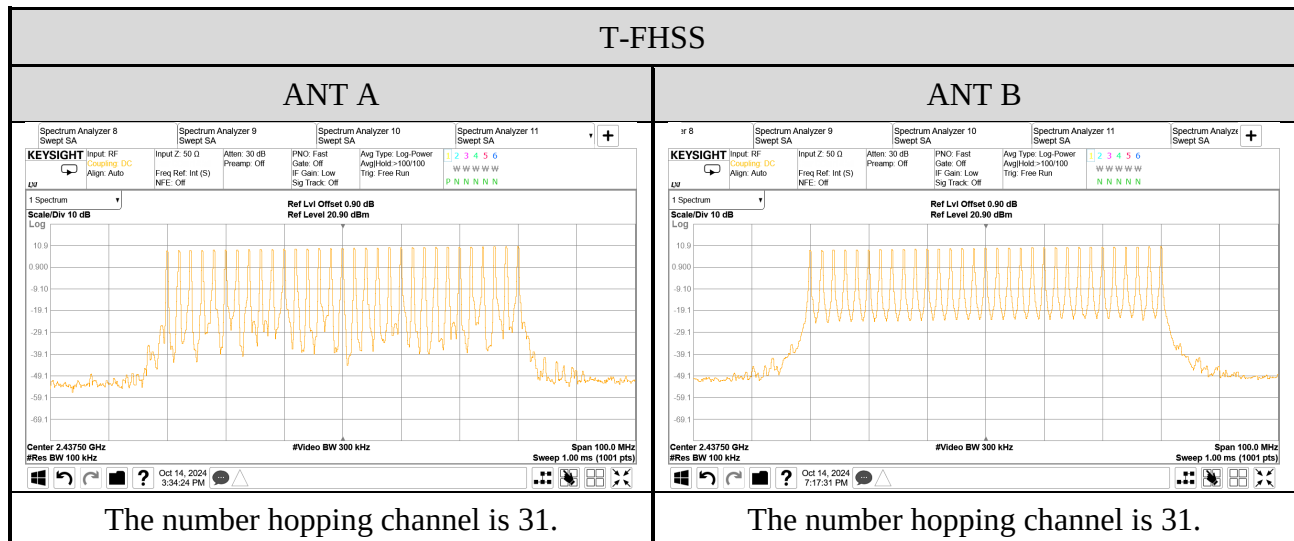
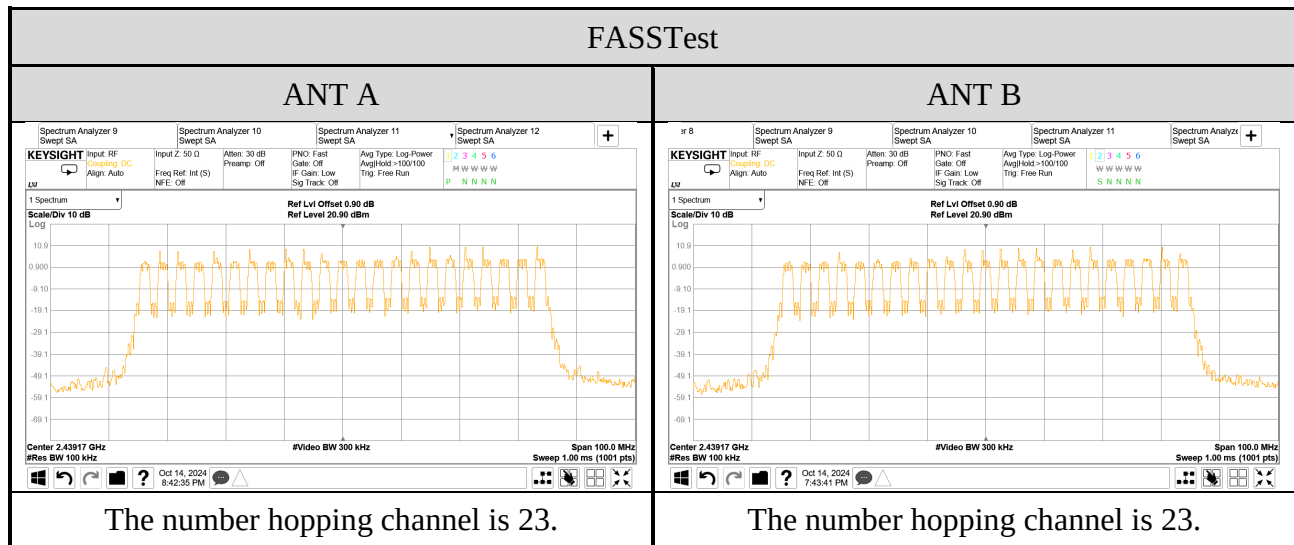
T-FHSS

ANT B



A.5 NUMBER OF HOPPING CHANNELS

Test Date	2024/10/14	Temp./Hum.	24°C/54%
Cable Loss	0.90 dB	Tested By	Brian Hsieh
Test Voltage	DC 6V (Via Battery)		



A.6 MAXIMUM PEAK OUTPUT POWER

Test Date	2024/10/14	Temp./Hum.	24°C/54%
Cable Loss	0.90 dB	Tested By	Brian Hsieh
Test Voltage	DC 6V (Via Battery)		

A.6.1 Maximum Peak Output Power

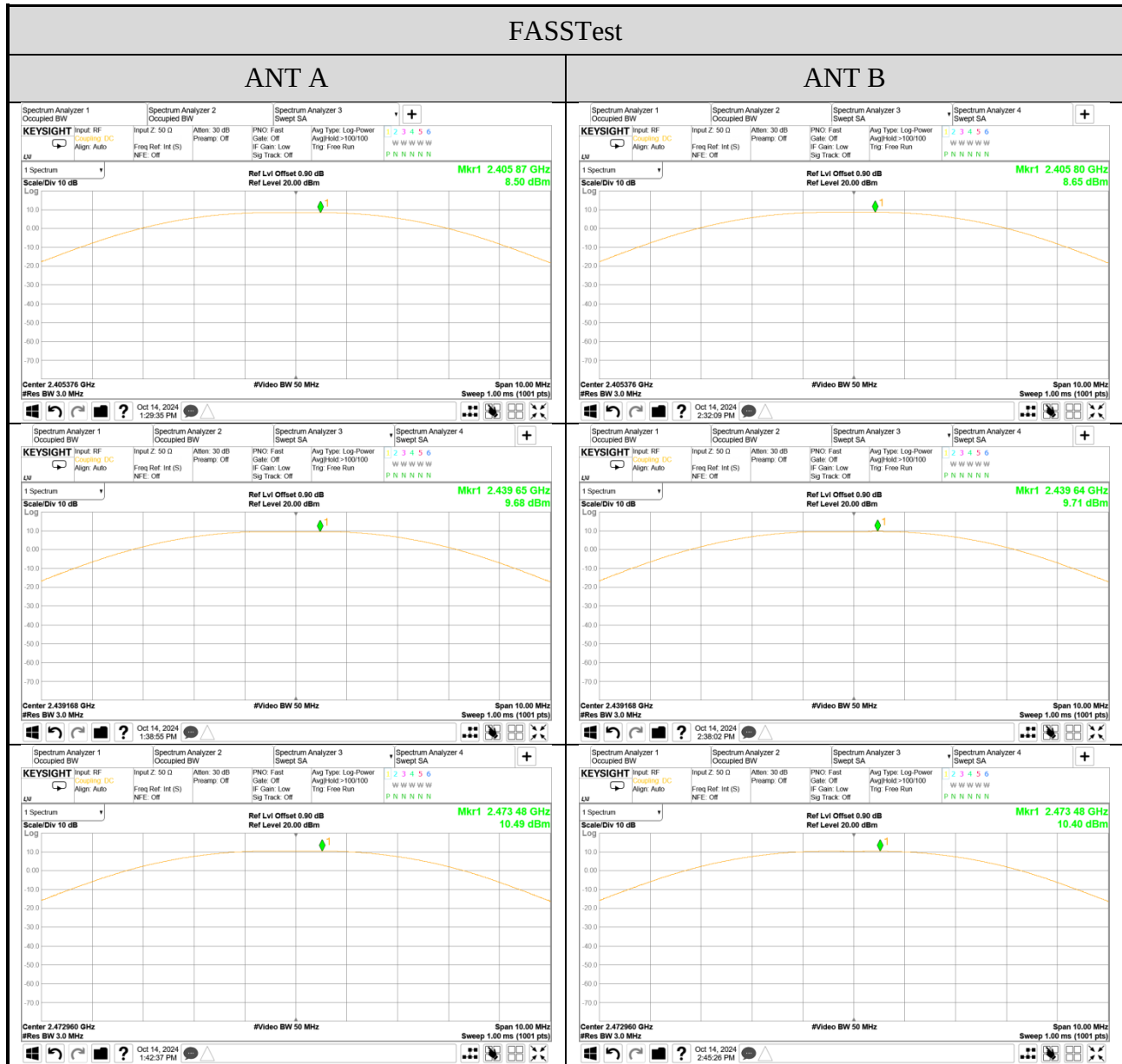
Mode	Centre Frequency (MHz)	Peak Output Power		Limit
		dBm	W	
FASSTest (ANT A)	2405.376	8.50	0.007	21dBm (0.125W)
	2439.168	9.68	0.009	
	2472.960	10.49	0.011	
FASSTest (ANT B)	2405.376	8.65	0.007	
	2439.168	9.71	0.009	
	2472.960	10.40	0.011	

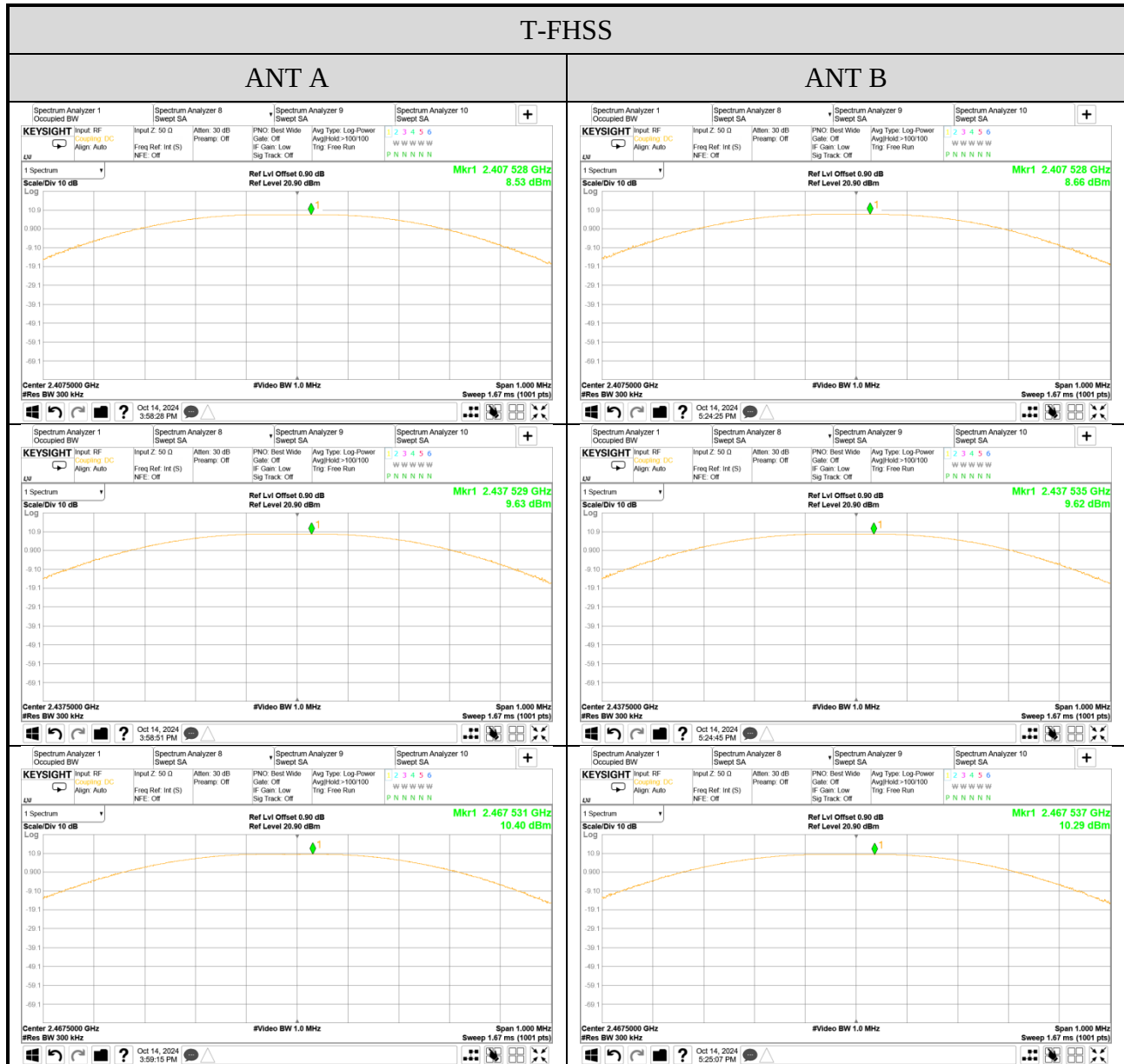
Mode	Centre Frequency (MHz)	Peak Output Power		Limit
		dBm	W	
T-FHSS (ANT A)	2407.500	8.53	0.007	21dBm (0.125W)
	2437.500	9.63	0.009	
	2467.500	10.40	0.011	
T-FHSS (ANT B)	2407.500	8.66	0.007	
	2437.500	9.62	0.009	
	2467.500	10.29	0.011	

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A.6.2 Measurement Plots

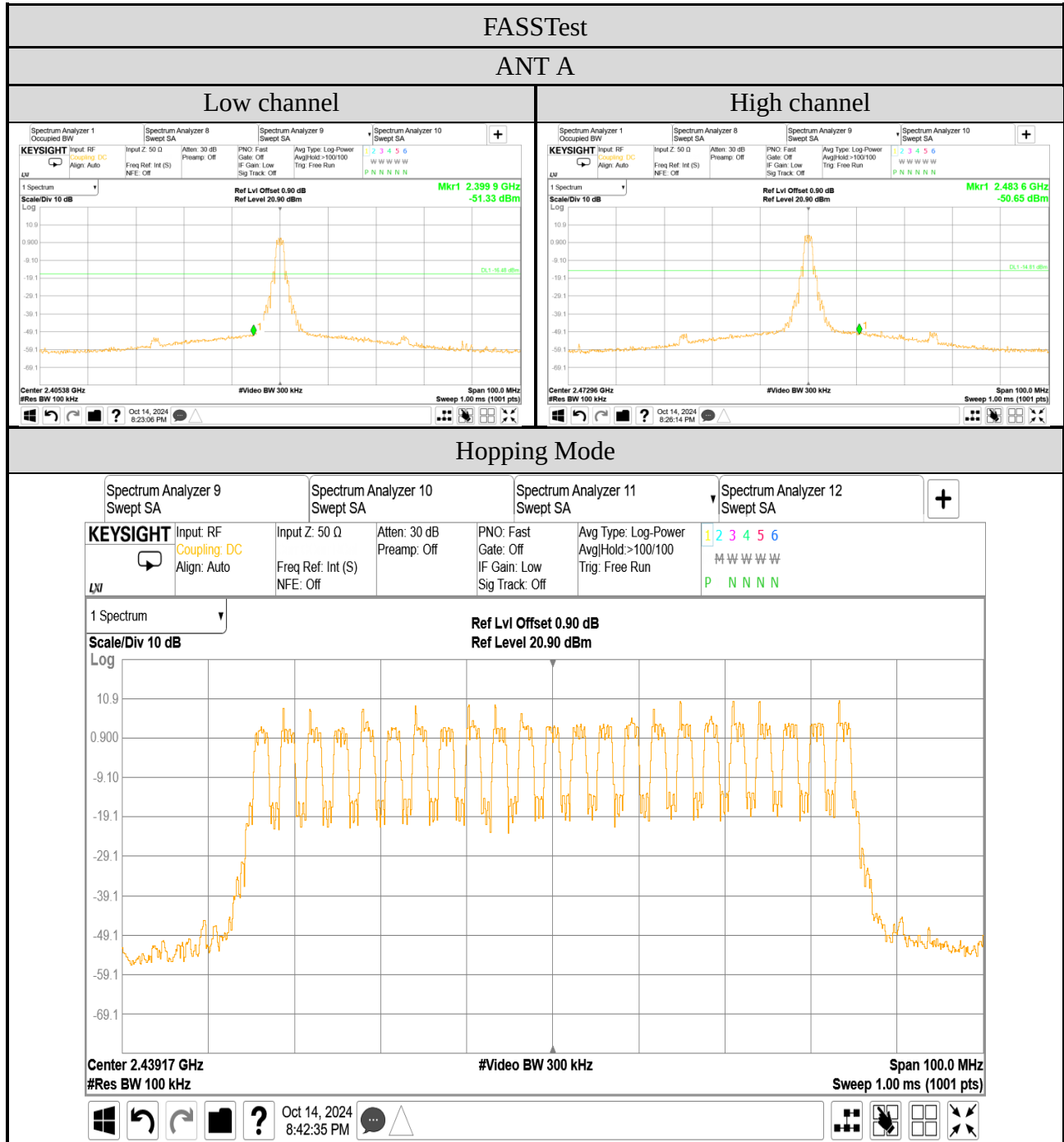


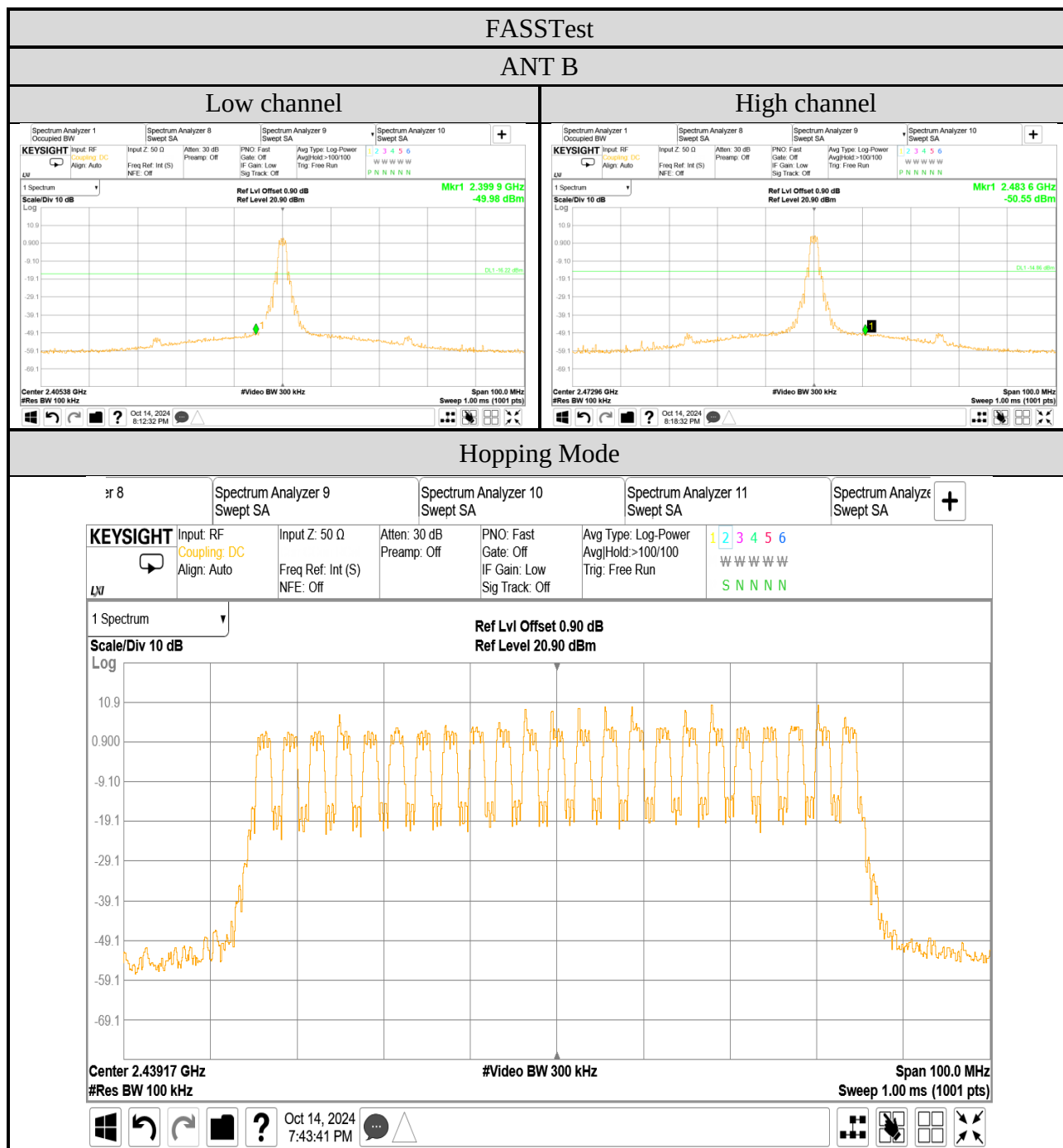


A.7 EMISSION LIMITATIONS MEASUREMENT

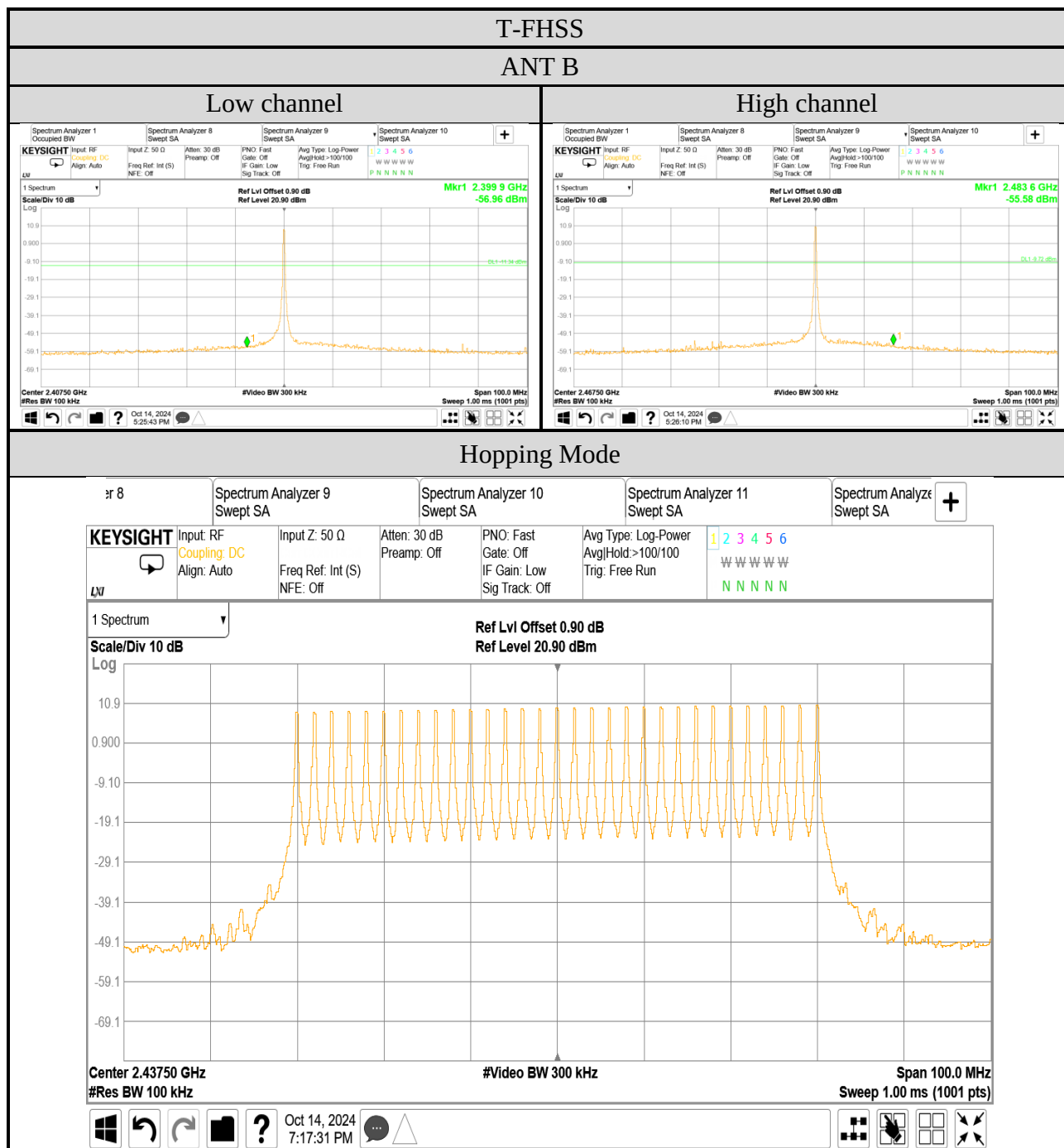
Test Date	2024/10/14	Temp./Hum.	24°C/54%
Cable Loss	0.90 dB	Tested By	Brian Hsieh
Test Voltage	DC 6V (Via Battery)		

A.7.1 Band Edge

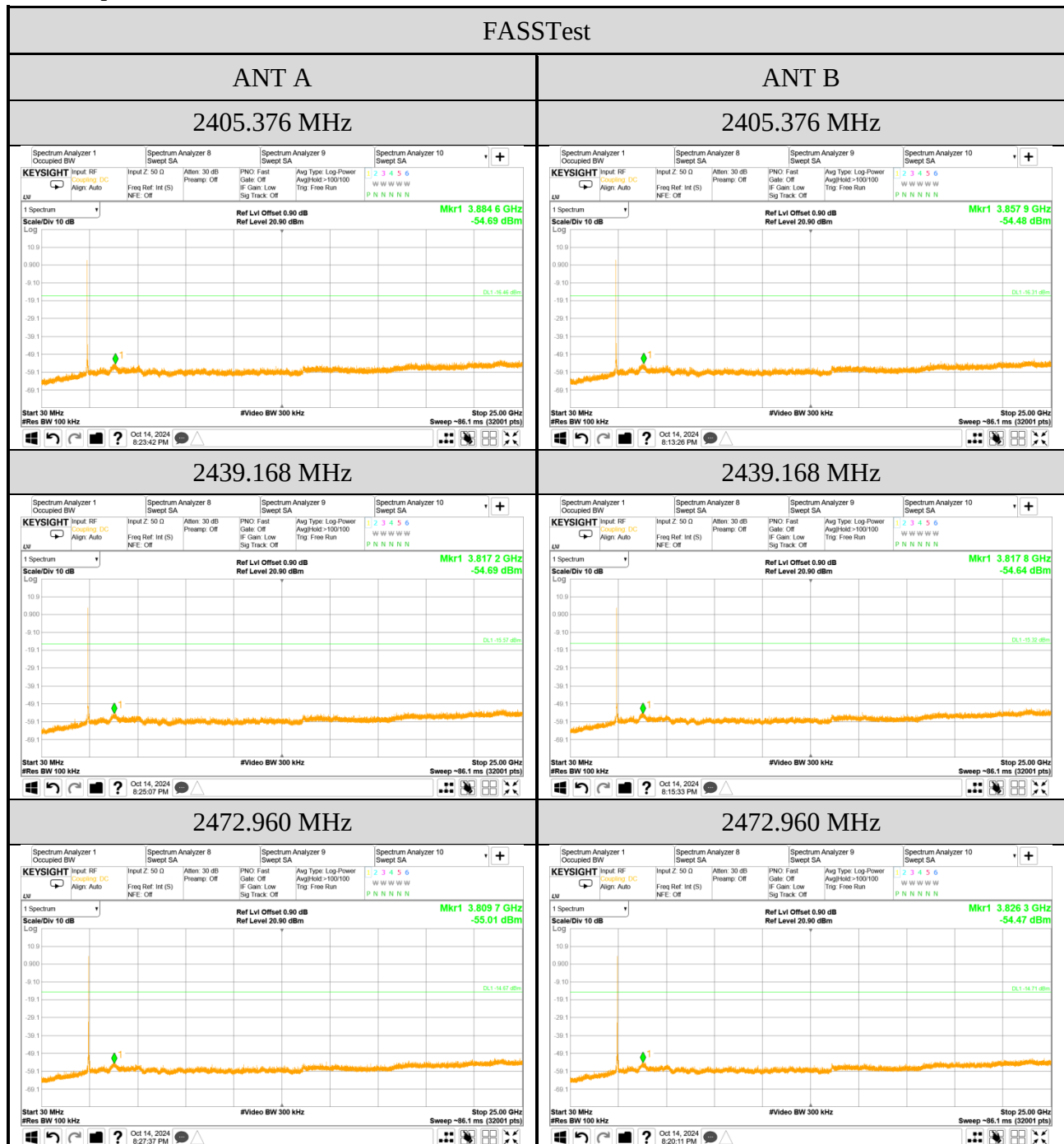








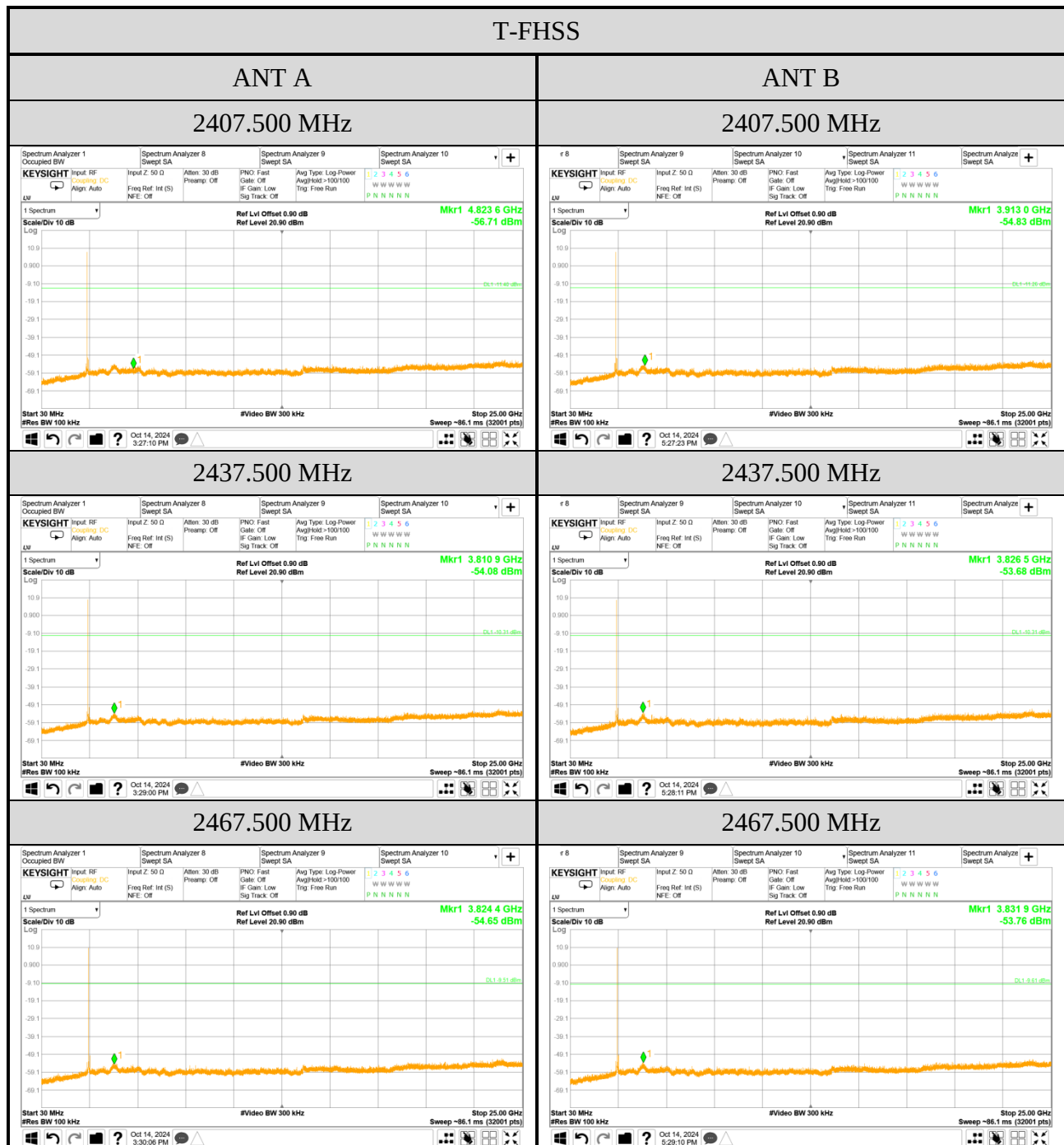
A.7.2 Spurious Emission



Note: All results have been included cable loss.

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Note: All results have been included cable loss.

A.8 DTS/Occupied Bandwidth

Test Date	2024/10/14	Temp./Hum.	24°C/54%
Cable Loss	0.90 dB	Tested By	Brian Hsieh
Test Voltage	DC 6V (Via Battery)		

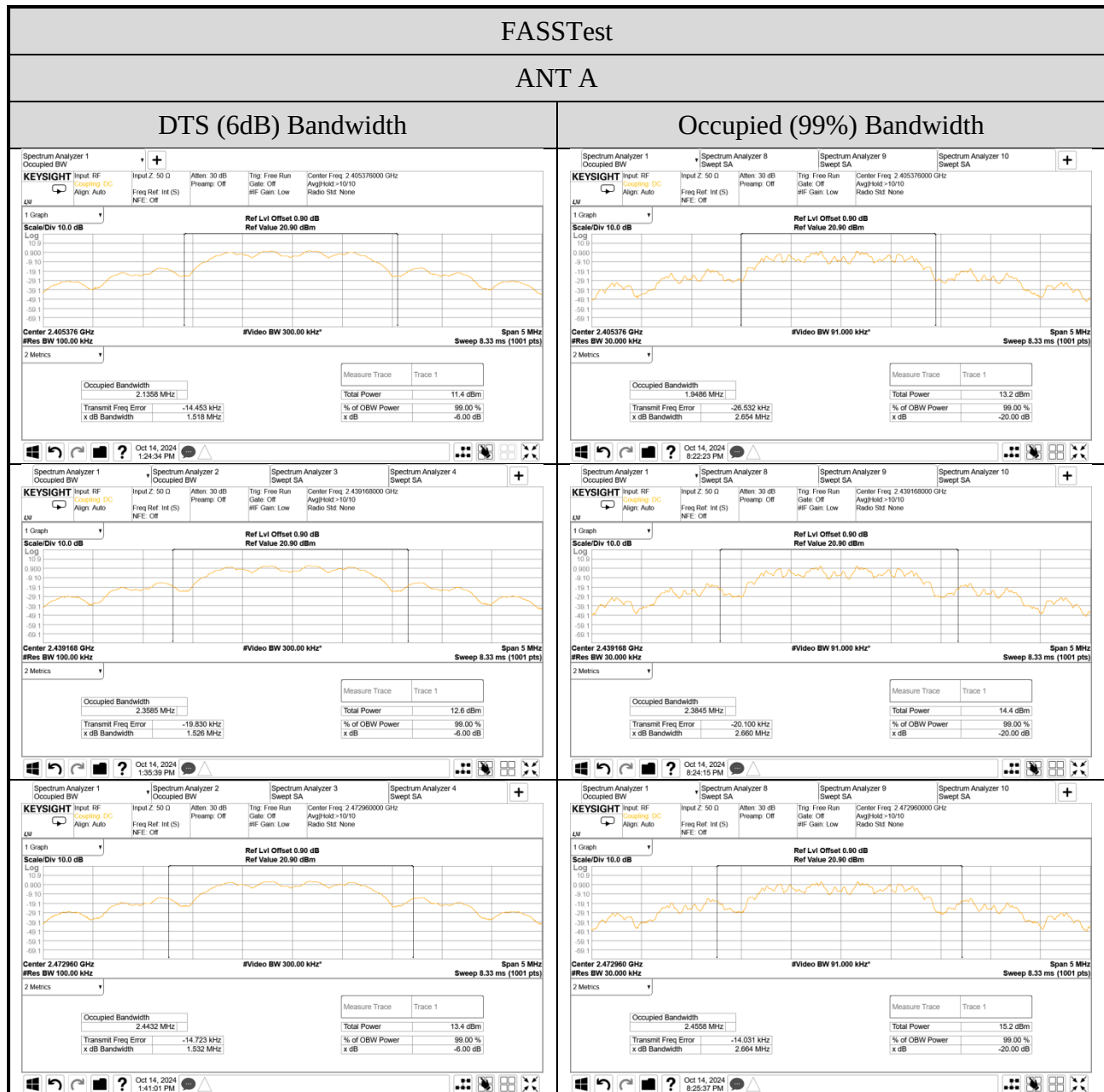
A.8.1 DTS/Occupied Bandwidth Result

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
FASSTest (ANT A)	2405.376	1.518	1.9486	>500kHz
	2439.168	1.526	2.3845	
	2472.960	1.532	2.4558	
FASSTest (ANT B)	2405.376	1.515	2.0721	>500kHz
	2439.168	1.522	2.3948	
	2472.960	1.533	2.4643	

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A.8.2 Measurement Plots



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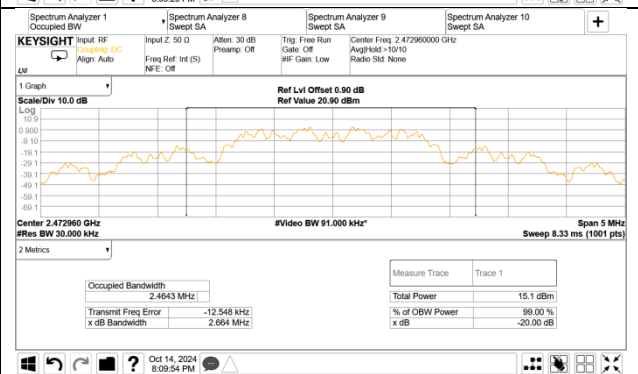
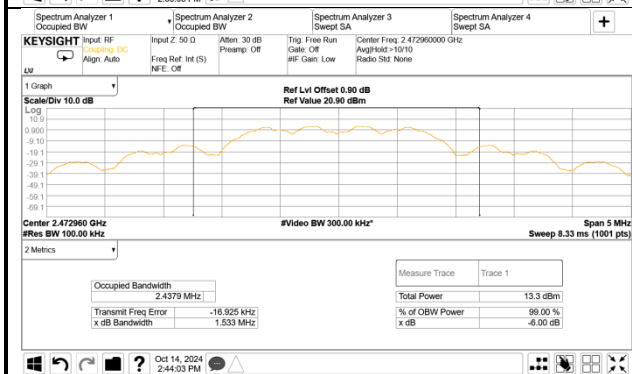
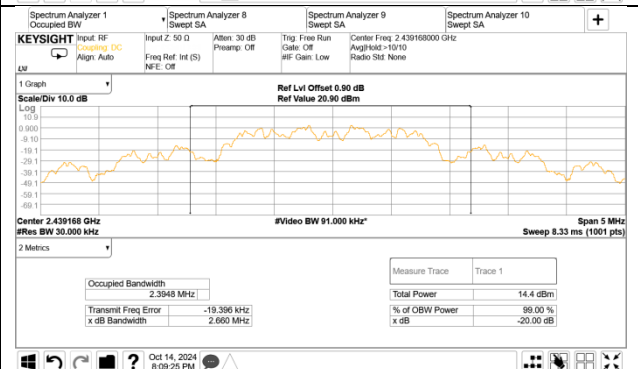
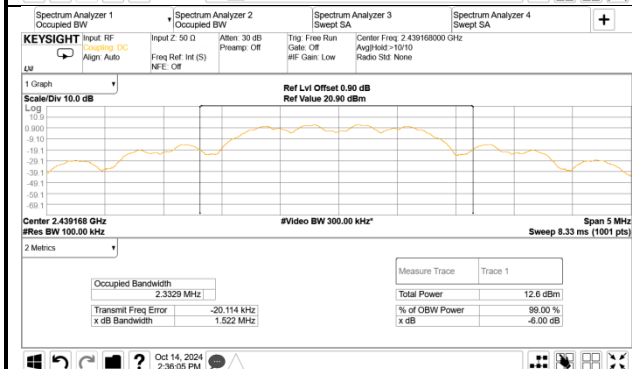
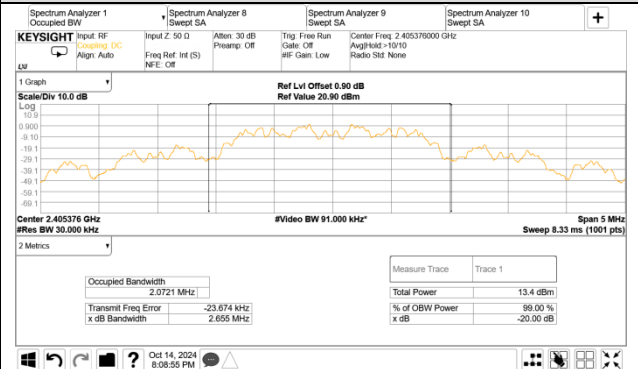
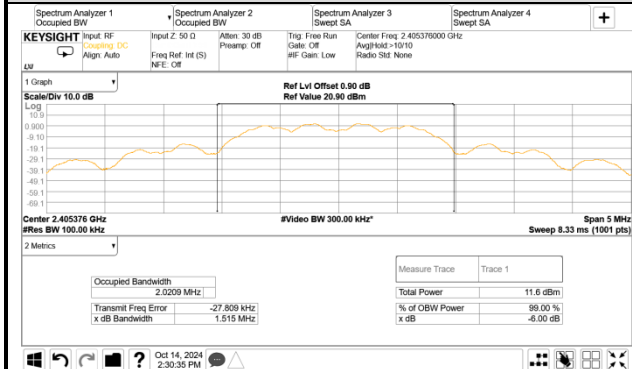
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FASSTest

ANT B

DTS (6dB) Bandwidth

Occupied (99%) Bandwidth



A.9 POWER SPECTRAL DENSITY

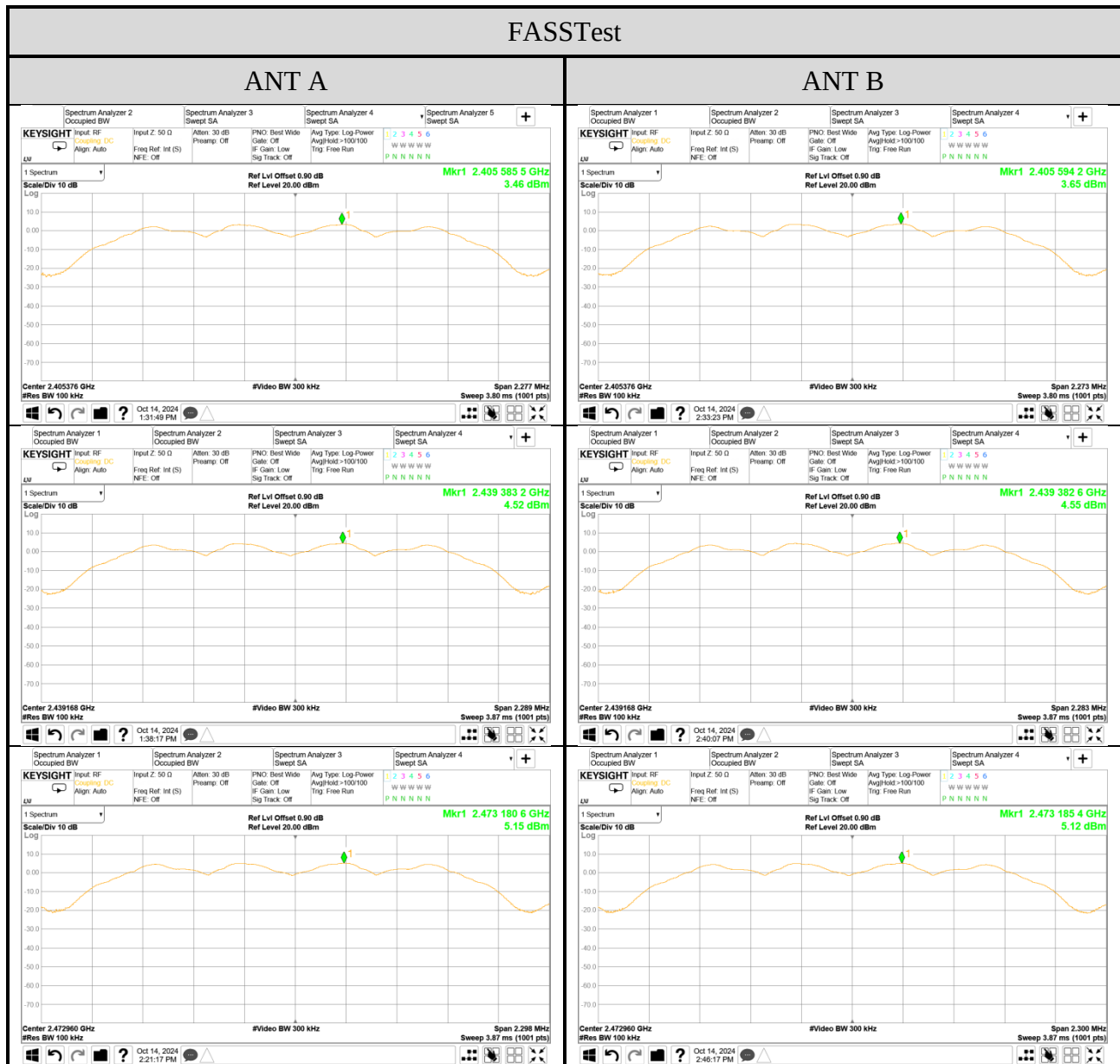
Test Date	2024/10/14	Temp./Hum.	24°C/54%
Cable Loss	0.90 dB	Tested By	Brian Hsieh
Test Voltage	DC 6V (Via Battery)		

A.9.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
T-FHSS (ANT A)	2405.376	3.46	<8 dBm/3kHz
	2439.168	4.52	
	2472.960	5.15	
T-FHSS (ANT B)	2405.376	3.65	<8 dBm/3kHz
	2439.168	4.55	
	2472.960	5.12	

Note: According to FCC announcement KDB558074 D01V04, and the resolution bandwidth is measured at 100kHz, the test results are stricter than 3kHz.

A.9.2 Measurement Plots



Note: All results have been included cable loss.