UNII 2a

Antennas Combined							
Mode	**Power Level**	**Data Rate (Mbps)/**	**Frequency (MHz)**	**T_on (ms)**	**T_on + T_off (ms)**	**Duty Cycle (%)**	**Duty Cycle Correction Factor (dB)**
802.11a NOHT	15	6	5260	2.064	2.1	98.29	0.00
	15	9	5280	1.384	1.42	97.46	0.11
	15	6	5320	2.064	2.1	98.29	0.00
802.11 n20	15	mcs0	5260	1.924	1.96	98.16	0.00
	15	mcs9	5280	0.512	0.548	93.43	0.30
	15	mcs0	5320	1.924	1.96	98.16	0.00
802.11 n40	13	mcs1	5270	0.492	0.528	93.18	0.31
	13	mcs1	5310	0.492	0.528	93.18	0.31
802.11 ac20	15	mcs0	5260	0.992	1.028	96.5	0.15
	15	mcs0	5280	0.992	1.028	96.5	0.15
	15	mcs0	5320	0.992	1.028	96.5	0.15
802.11 ac40	13	mcs0	5270	0.502	0.536	93.66	0.28
	13	mcs0	5310	0.5	0.536	93.28	0.30
802.11 ac80	13	mcs0	5290	0.256	0.292	87.67	0.57

UNII 2c

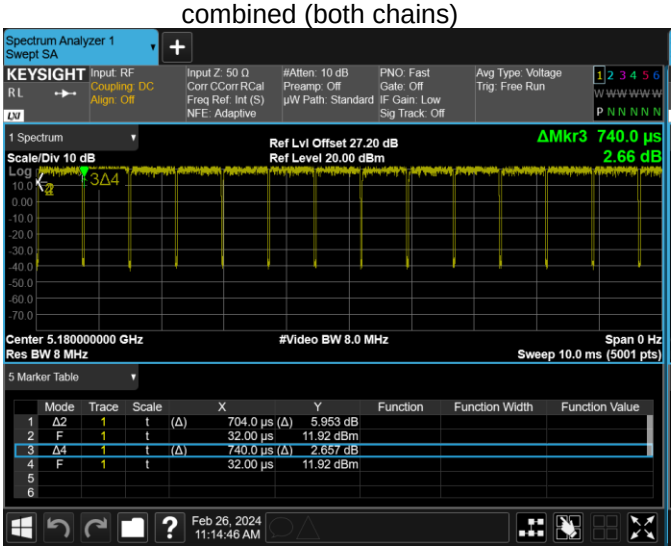
Antennas Combined							
Mode	**Power Level**	**Data Rate (Mbps)/**	**Frequency (MHz)**	**T_on (ms)**	**T_on + T_off (ms)**	**Duty Cycle (%)**	**Duty Cycle Correction Factor (dB)**
802.11a NOHT	15	18	5500	0.704	0.74	95.14	0.22
	15	9	5600	1.384	1.42	97.46	0.11
	15	9	5700	1.384	1.42	97.46	0.11
802.11 n20	13	mcs0	5500	1.922	1.958	98.16	0.00
	13	mcs0	5600	1.924	1.96	98.16	0.00
	13	mcs8	5700	0.984	1.02	96.47	0.16
802.11 n40	13	mcs8	5510	0.496	0.532	93.23	0.30
	13	mcs1	5590	0.492	0.528	93.18	0.31
802.11 ac20	13	mcs0	5500	0.99	1.026	96.49	0.16
	13	mcs0	5600	0.99	1.026	96.49	0.16
	13	mcs0	5700	0.992	1.028	96.49	0.16
802.11 ac40	13	mcs0	5510	0.5	0.536	93.28	0.30
	13	mcs0	5590	0.502	0.536	93.66	0.28
	13	mcs0	5670	0.5	0.536	93.28	0.30
802.11 ac80	13	mcs0	5530	0.256	0.292	87.67	0.57
	13	mcs0	5610	0.256	0.292	87.67	0.57

UNII 3

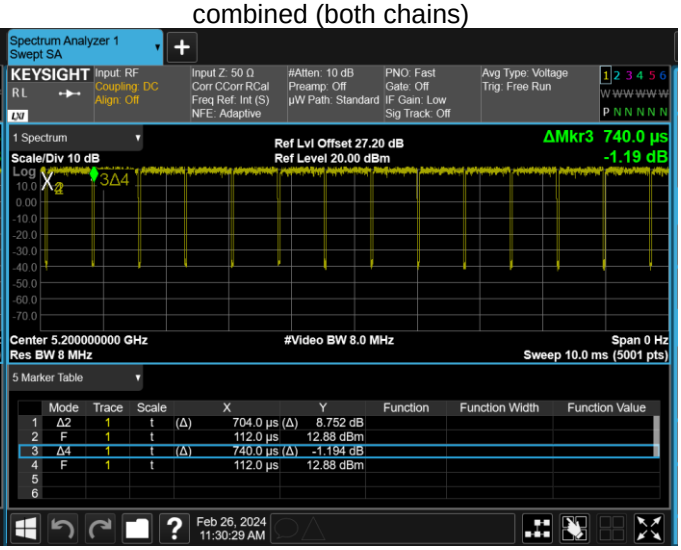
Antennas Combined							
Mode	**Power Level**	**Data Rate (Mbps)/**	**Frequency (MHz)**	**T_on (ms)**	**T_on + T_off (ms)**	**Duty Cycle (%)**	**Duty Cycle Correction Factor (dB)**
802.11a NOHT	15	6	5745	2.064	2.1	98.29	0.00
	15	6	5785	2.064	2.1	98.29	0.00
	15	6	5825	2.064	2.1	98.29	0.00
802.11 n20	15	mcs0	5745	1.924	1.96	98.16	0.00
	15	mcs0	5785	1.922	1.958	98.16	0.00
	15	mcs0	5825	1.924	1.96	98.16	0.00
802.11 n40	15	mcs0	5755	0.948	0.984	96.34	0.16
	15	mcs0	5795	0.948	0.984	96.34	0.16
802.11 ac20	15	mcs0	5745	0.992	1.028	96.5	0.15
	15	mcs0	5785	0.992	1.028	96.5	0.15
	15	mcs1	5825	0.52	0.556	93.53	0.29
802.11 ac40	15	mcs0	5755	0.5	0.536	93.28	0.30
	15	mcs0	5795	0.5	0.536	93.28	0.30
802.11 ac80	15	mcs0	5775	0.256	0.292	87.67	0.57

UNII1:

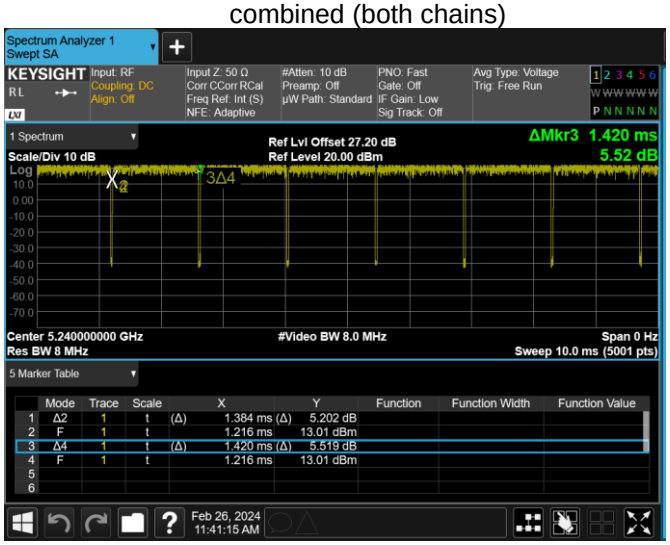
Low Channel – 802.11a NOHT, (5180MHz)
combined (both chains)



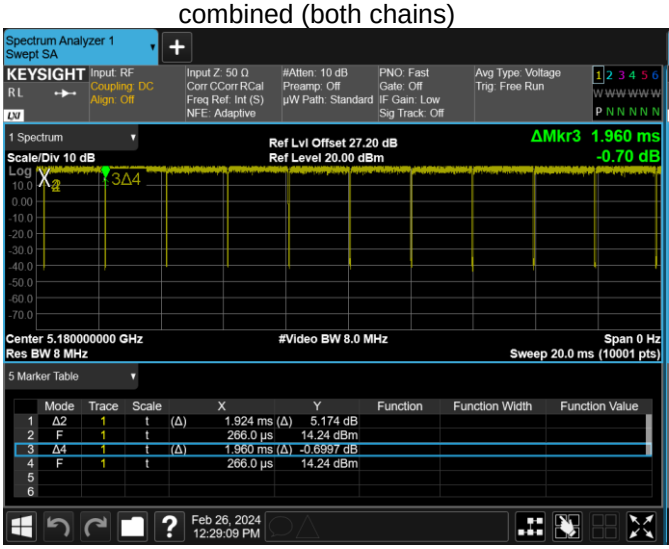
Mid Channel – 802.11a NOHT, (5200MHz)
combined (both chains)



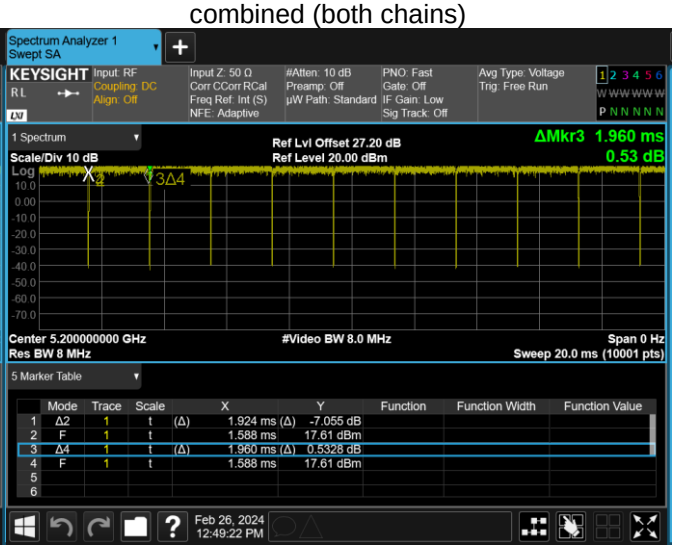
High Channel – 802.11a NOHT, (5240MHz)
combined (both chains)



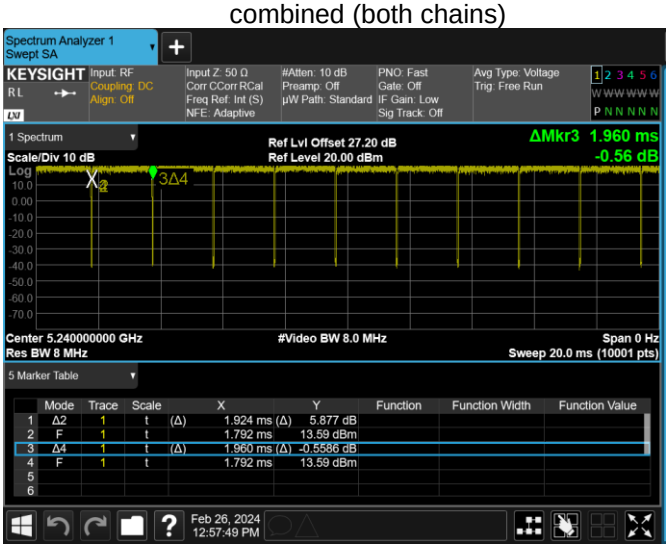
Low Channel – 802.11n20, (5180MHz)
combined (both chains)



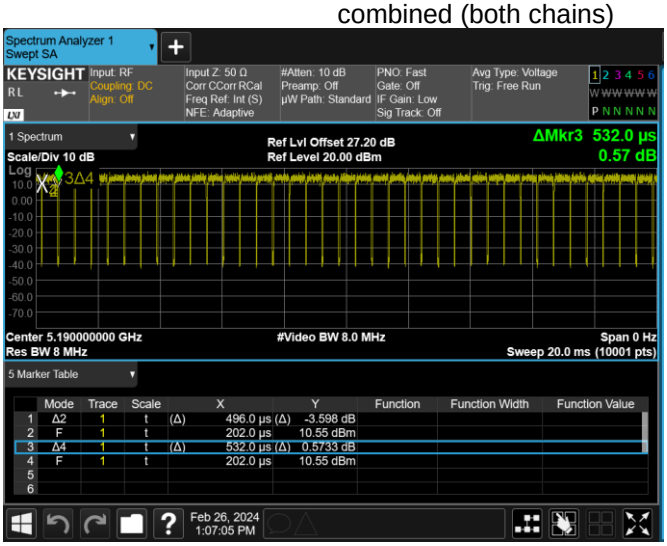
Mid Channel – 802.11n20, (5200MHz)
combined (both chains)



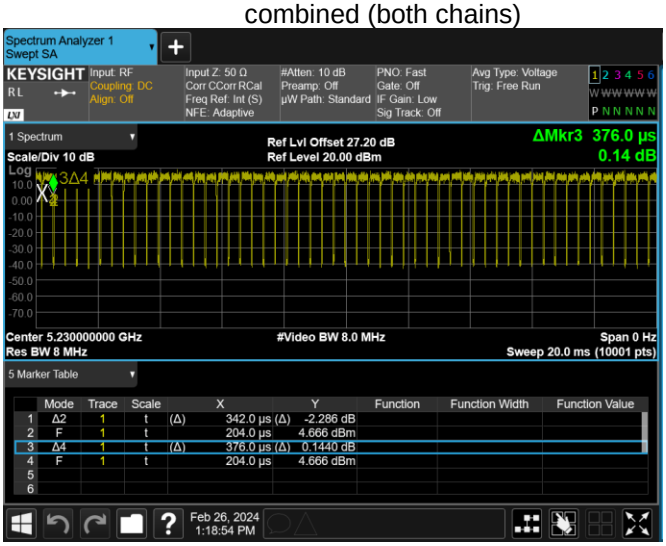
High Channel – 802.11n20, (5240MHz)
combined (both chains)



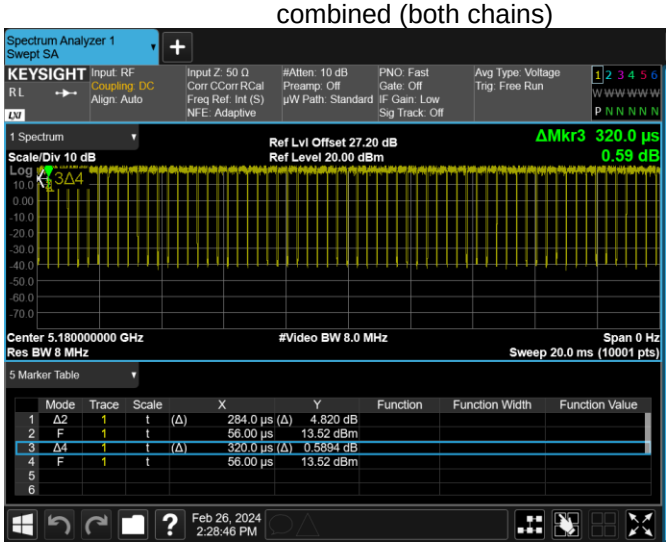
Low Channel – 802.11n40, (5190MHz)
combined (both chains)



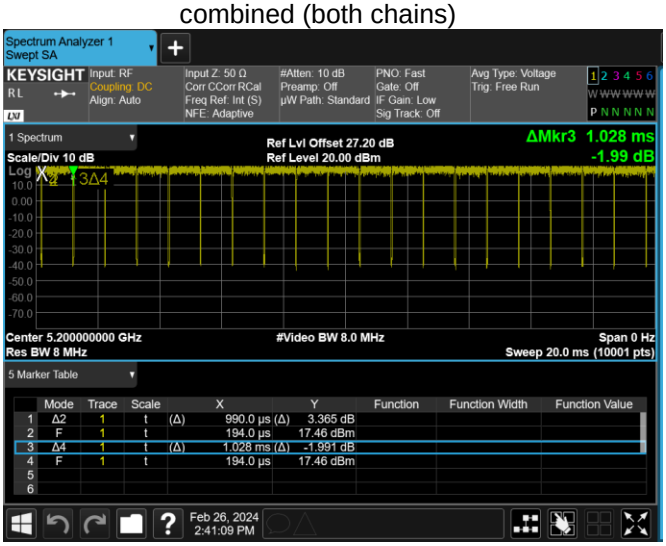
High Channel – 802.11n40, (5230MHz)
combined (both chains)



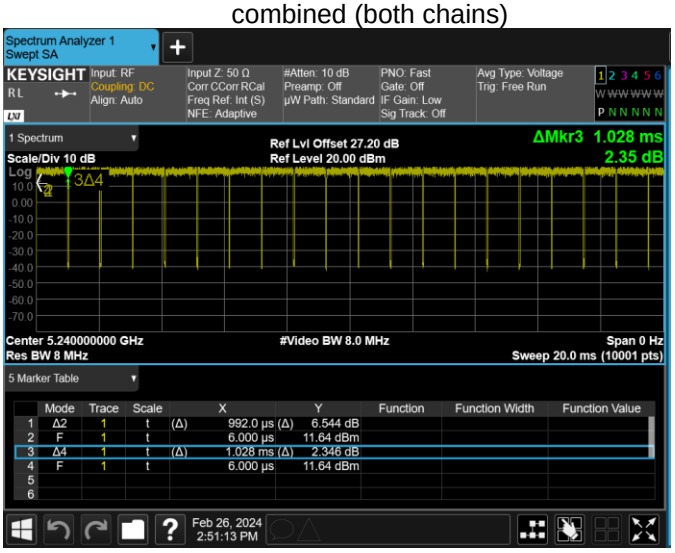
Low Channel – 802.11ac20, (5180MHz)
combined (both chains)



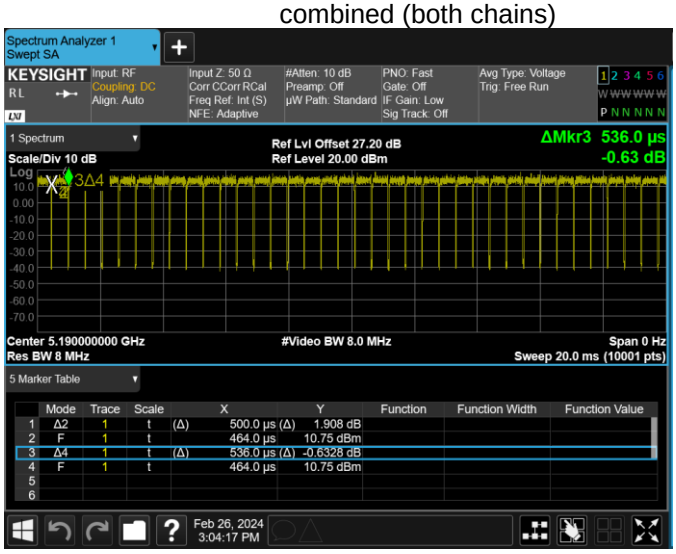
Mid Channel – 802.11ac20, (5200MHz)
combined (both chains)



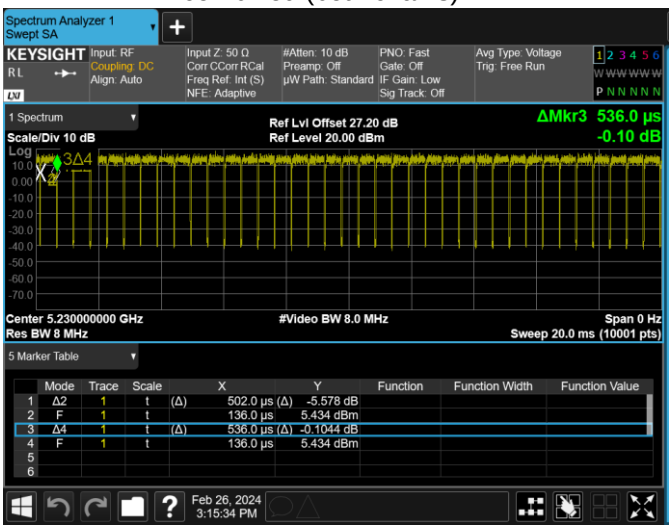
High Channel – 802.11ac20, (5240MHz)
combined (both chains)



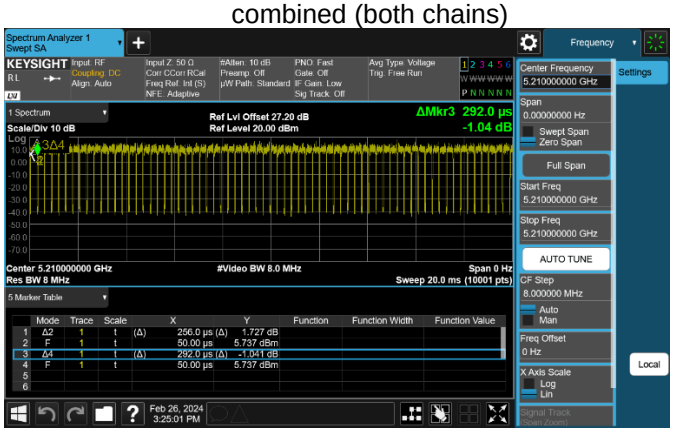
Low Channel – 802.11ac40, (5190MHz)
combined (both chains)



High Channel – 802.11ac40, (5230MHz)
combined (both chains)

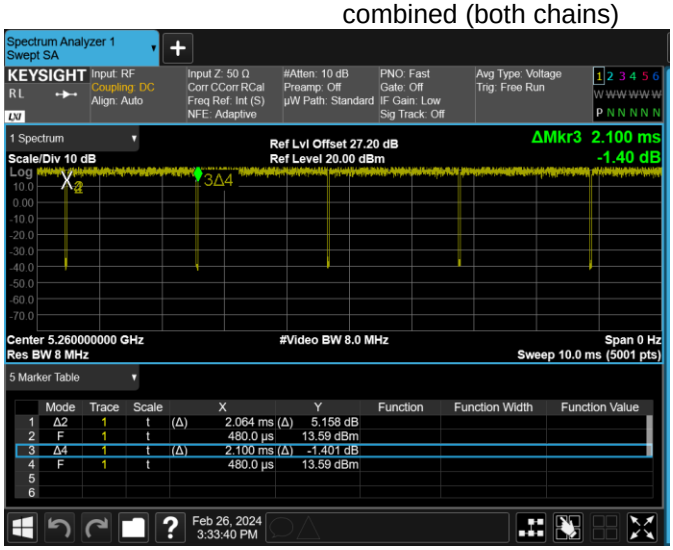


Mid Channel – 802.11ac80, (5210MHz)
combined (both chains)

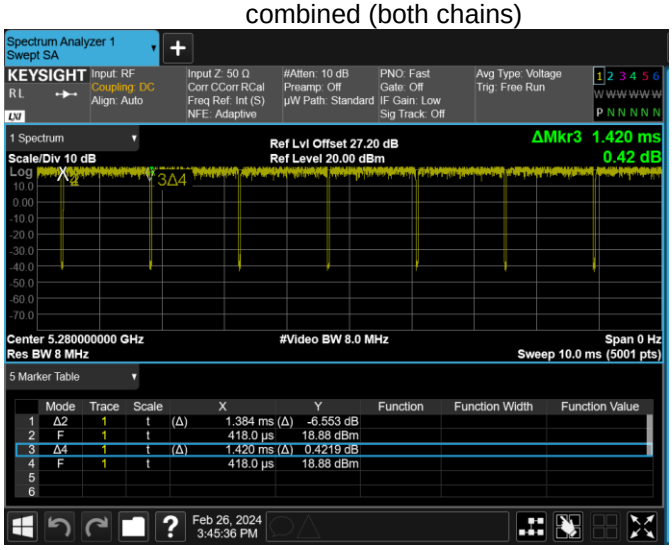


UNII2a:

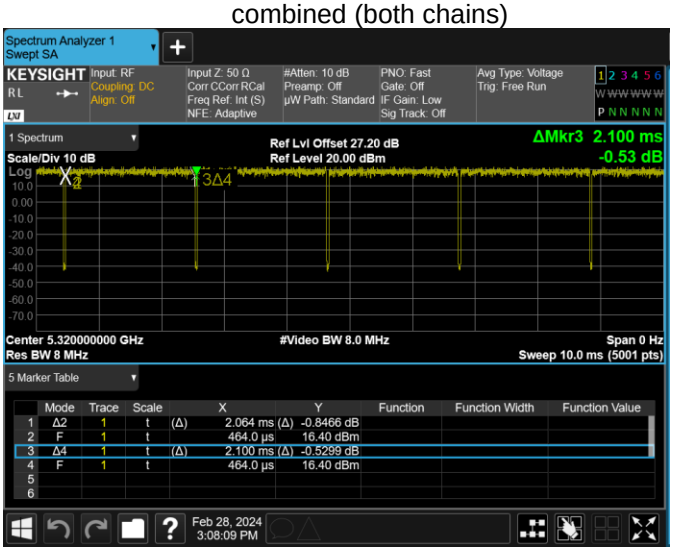
Low Channel – 802.11a NOHT, (5260MHz)
combined (both chains)



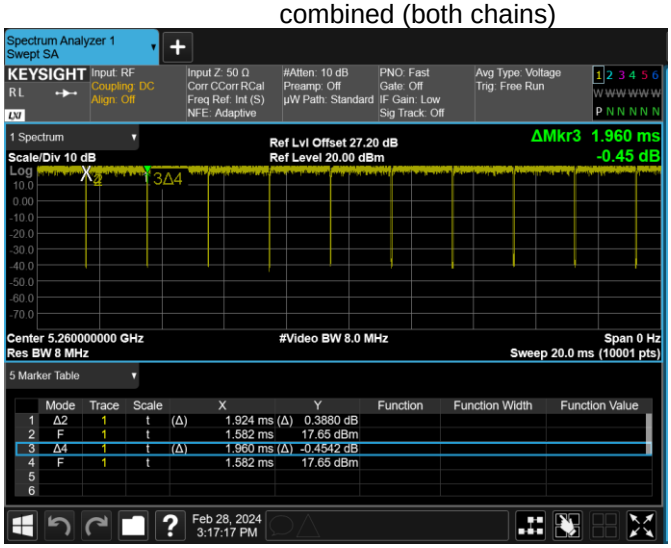
Mid Channel – 802.11a NOHT, (5280MHz)
combined (both chains)



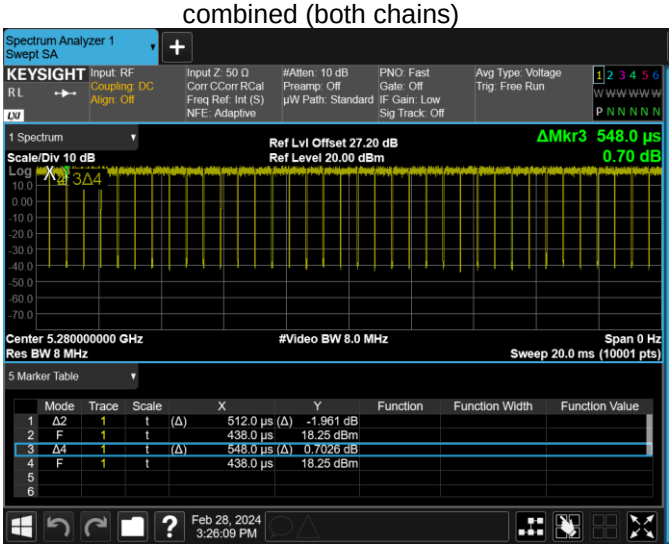
High Channel – 802.11a NOHT, (5320MHz)
combined (both chains)



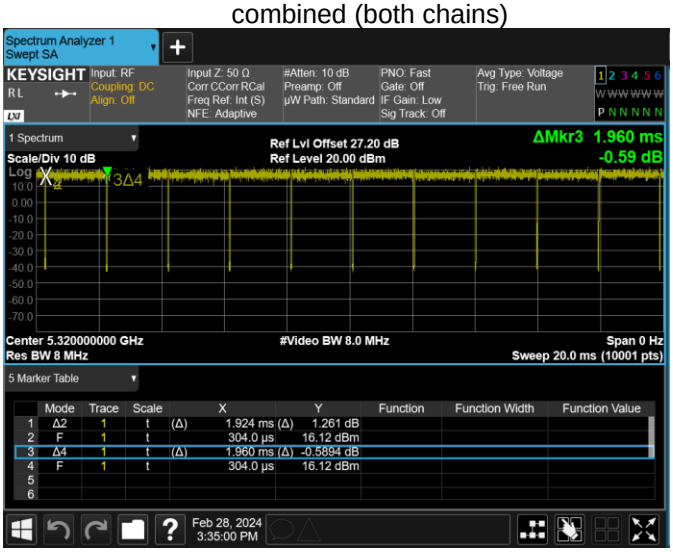
Low Channel – 802.11n20, (5260MHz)
combined (both chains)



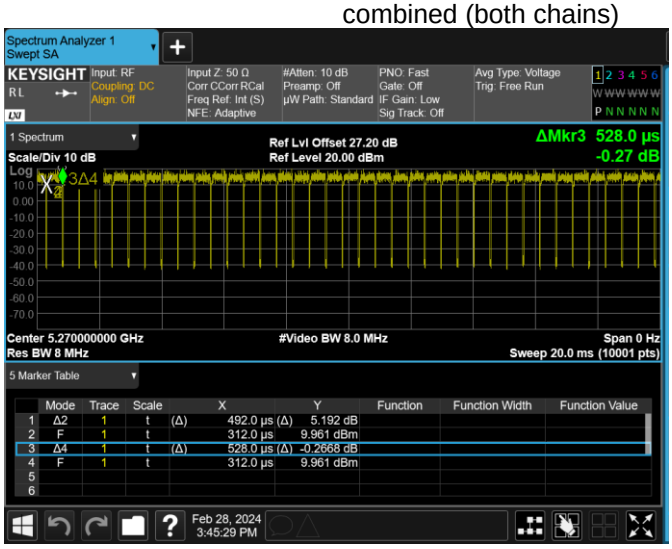
Mid Channel – 802.11n20, (5280MHz)
combined (both chains)



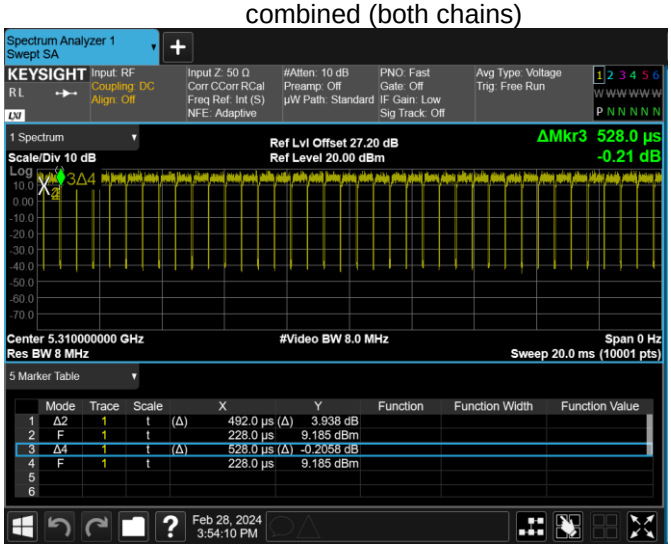
High Channel – 802.11n20, (5320MHz)
combined (both chains)



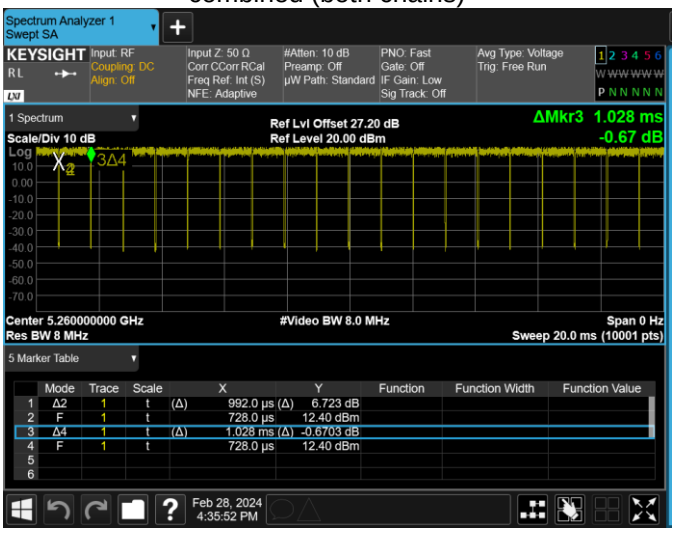
Low Channel – 802.11n40, (5270MHz)
combined (both chains)



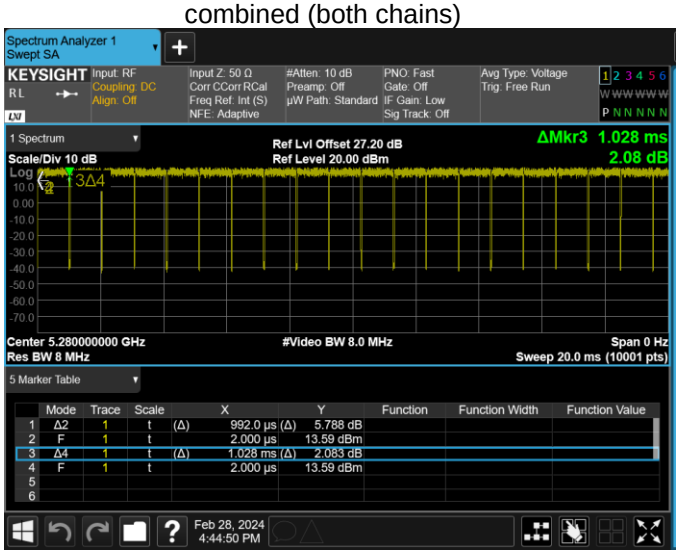
High Channel – 802.11n40, (5310MHz)
combined (both chains)



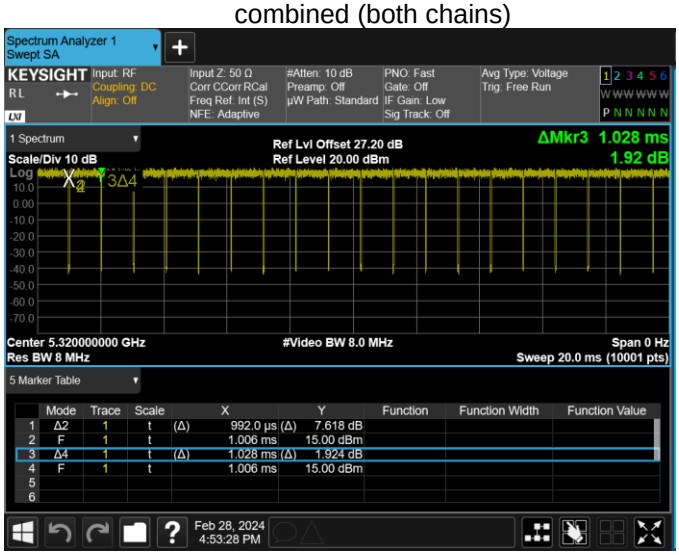
Low Channel – 802.11ac20, (5260MHz)
combined (both chains)



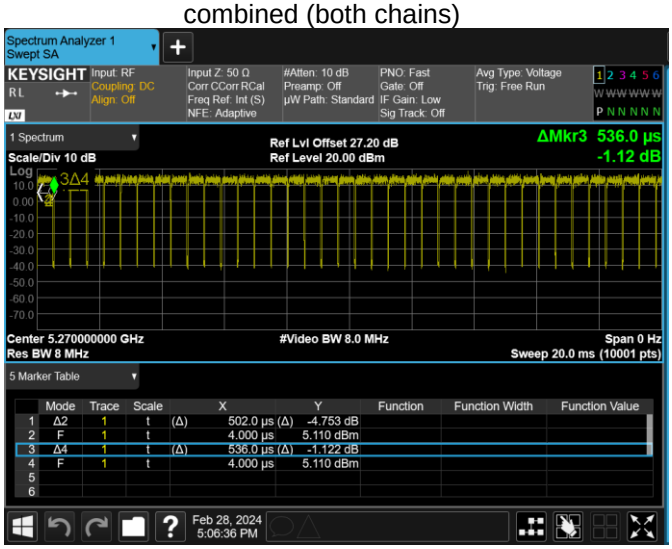
Mid Channel – 802.11ac20, (5280MHz)
combined (both chains)



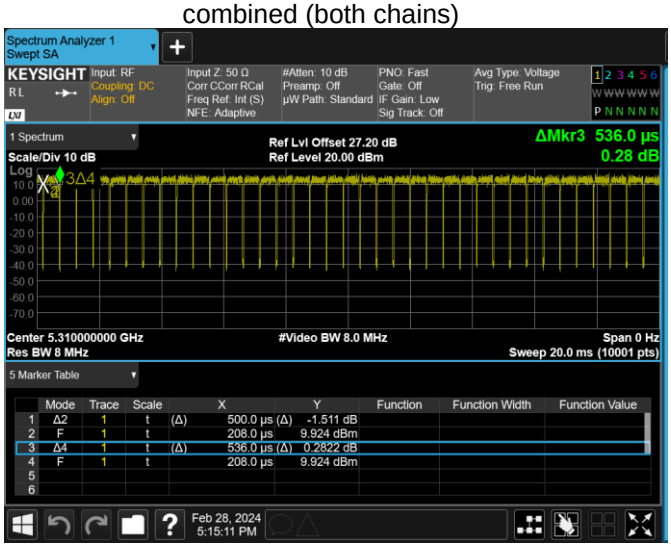
High Channel – 802.11ac20, (5320MHz)
combined (both chains)



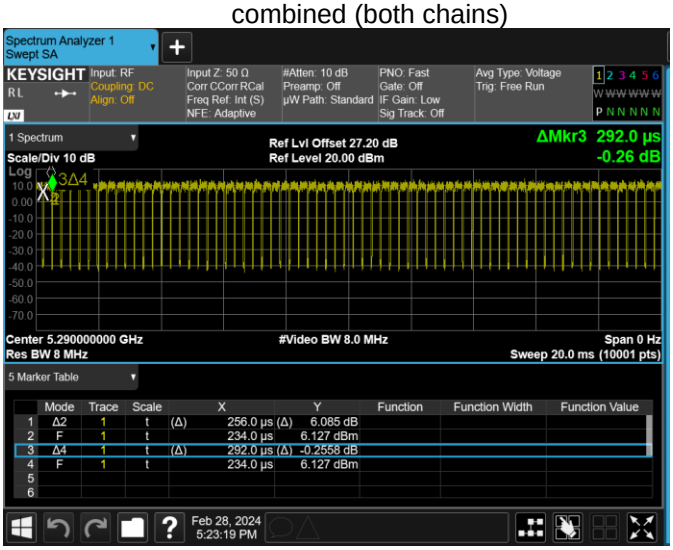
Low Channel – 802.11ac40, (5270MHz)
combined (both chains)



High Channel – 802.11ac40, (5310MHz)
combined (both chains)

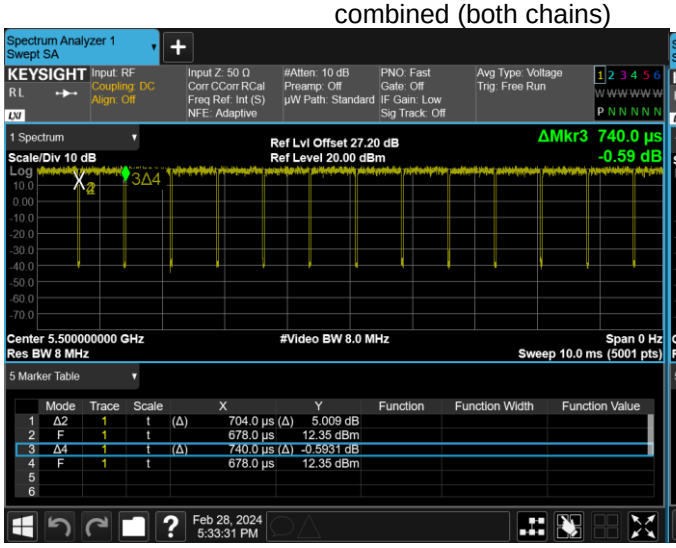


Mid Channel – 802.11ac80, (5290MHz)
combined (both chains)

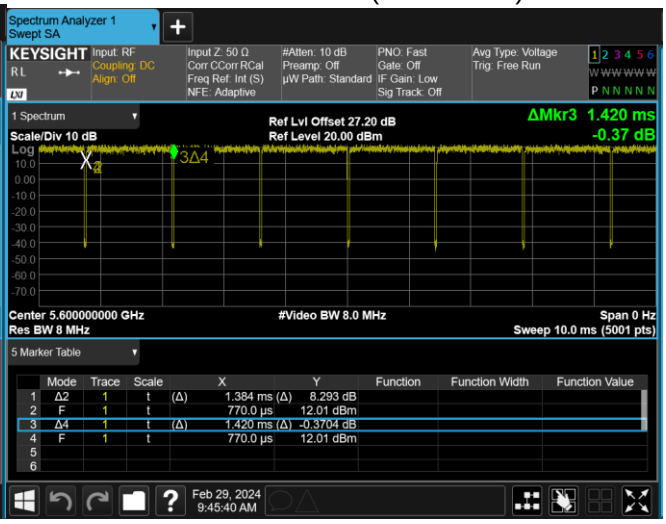


UNII2c:

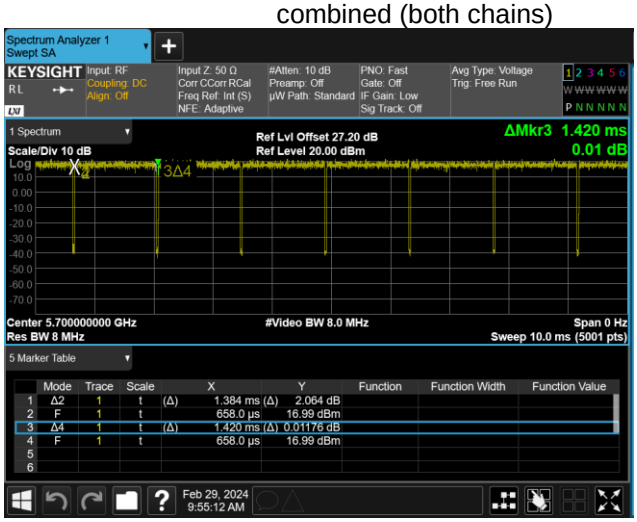
Low Channel – 802.11a NOHT, (5500MHz)
combined (both chains)



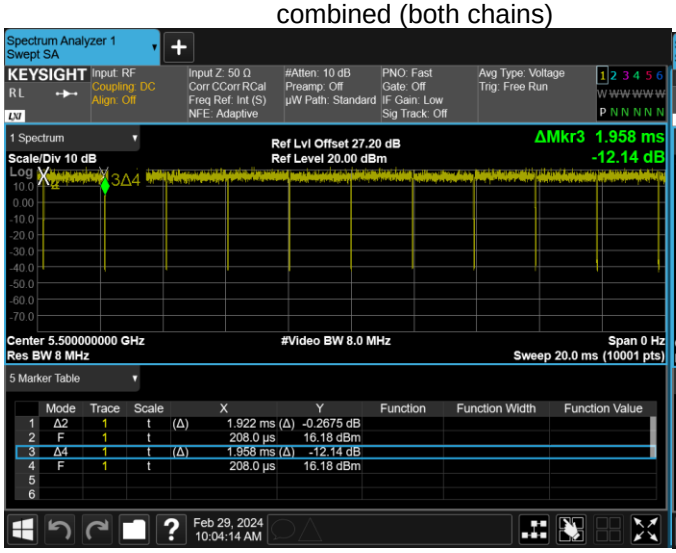
Mid Channel – 802.11a NOHT, (5600MHz)
combined (both chains)



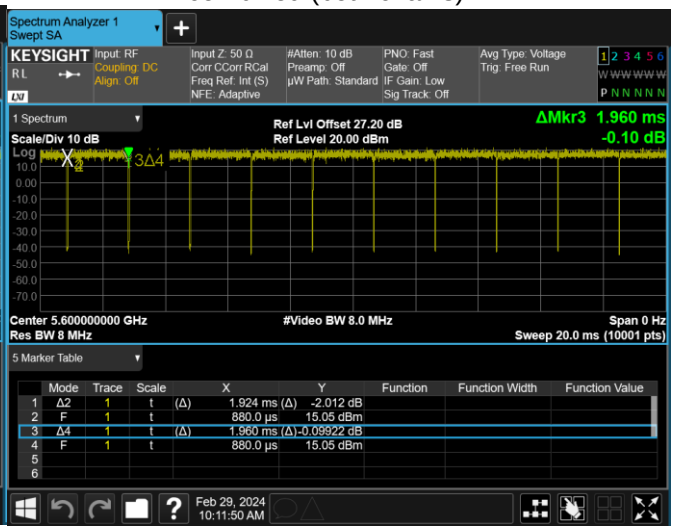
High Channel – 802.11a NOHT, (5700MHz)
combined (both chains)



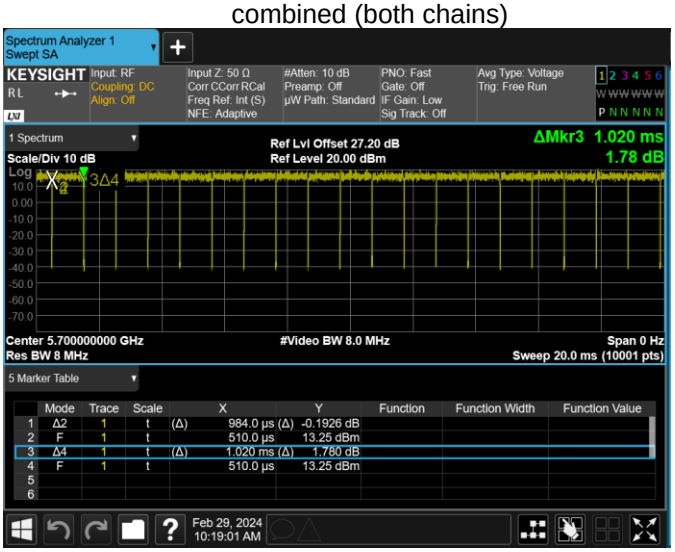
Low Channel – 802.11n20, (5500MHz)
combined (both chains)



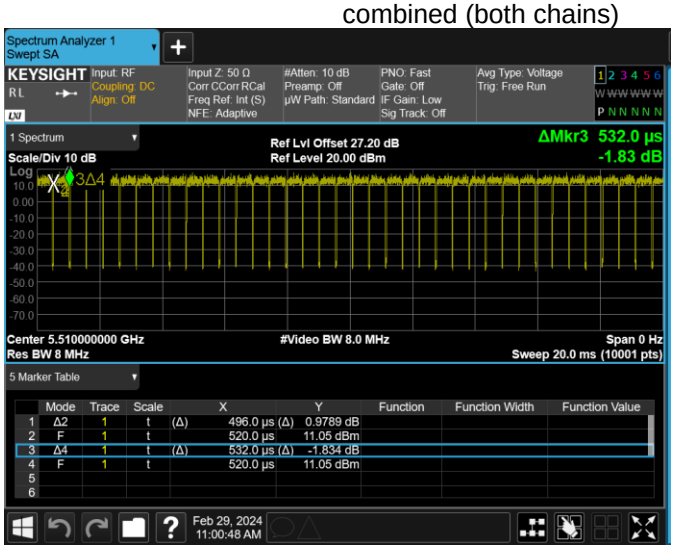
Mid Channel – 802.11n20, (5600MHz)
combined (both chains)



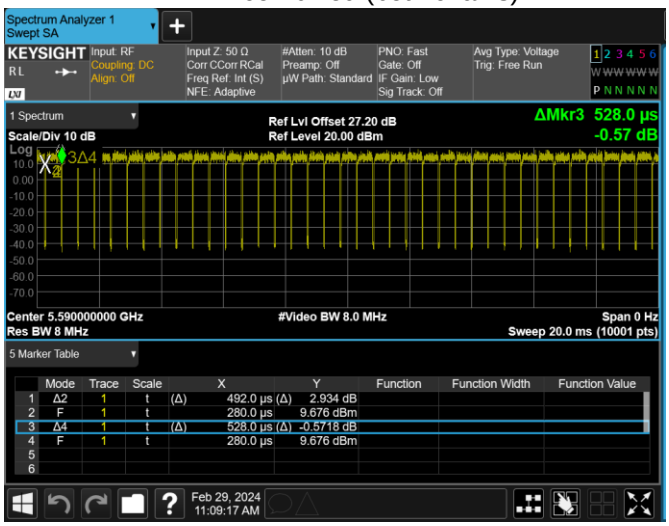
High Channel – 802.11n20, (5700MHz)
combined (both chains)



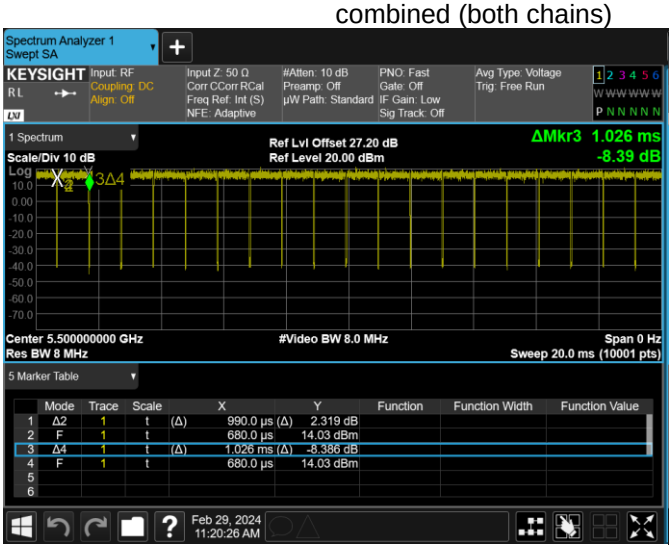
Low Channel – 802.11n40, (5510MHz)
combined (both chains)



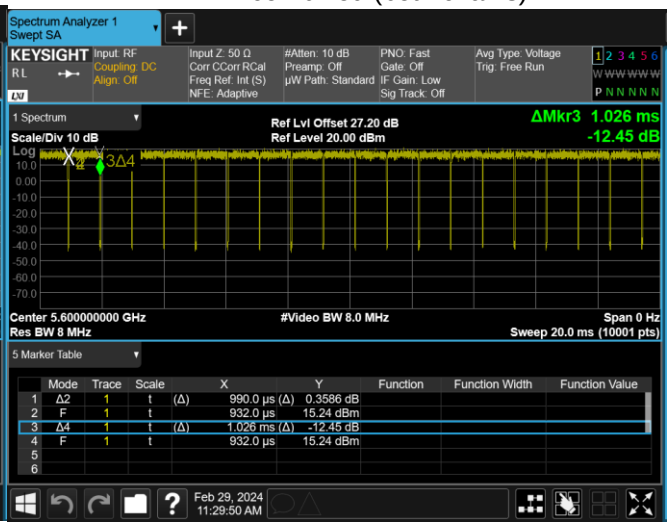
High Channel – 802.11n40, (5590MHz)
combined (both chains)



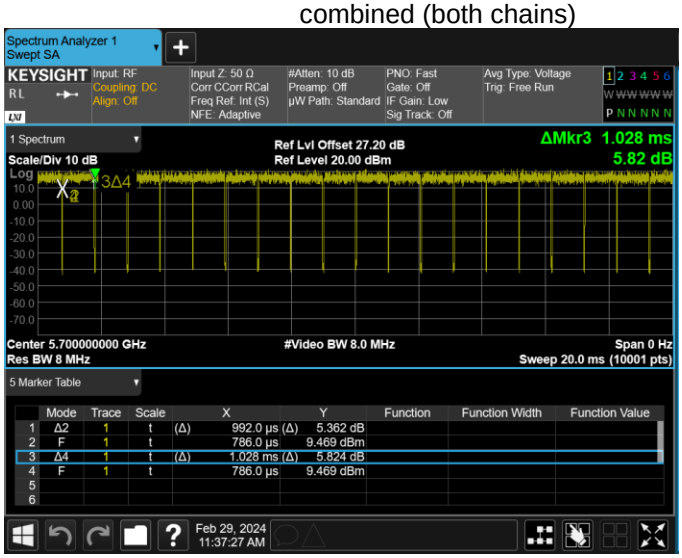
Low Channel – 802.11ac20, (5500MHz)
combined (both chains)



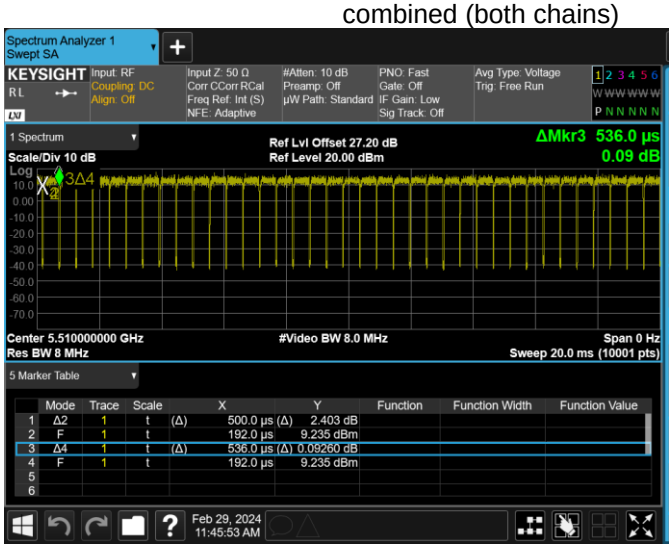
Mid Channel – 802.11ac20, (5600MHz)
combined (both chains)



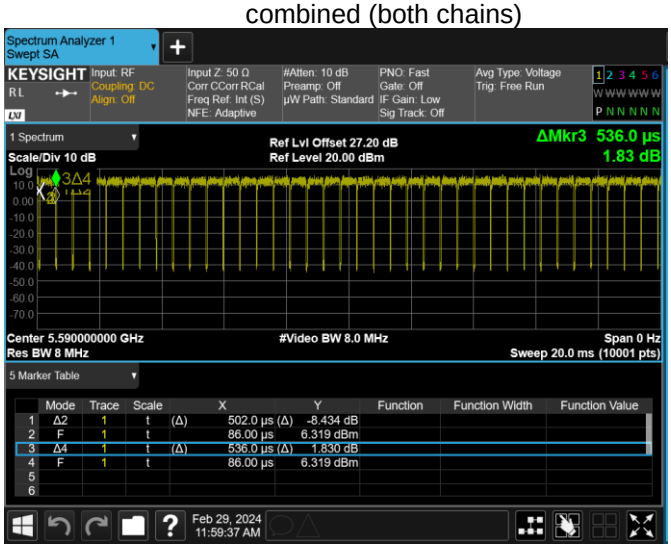
High Channel – 802.11ac20, (5700MHz)
combined (both chains)



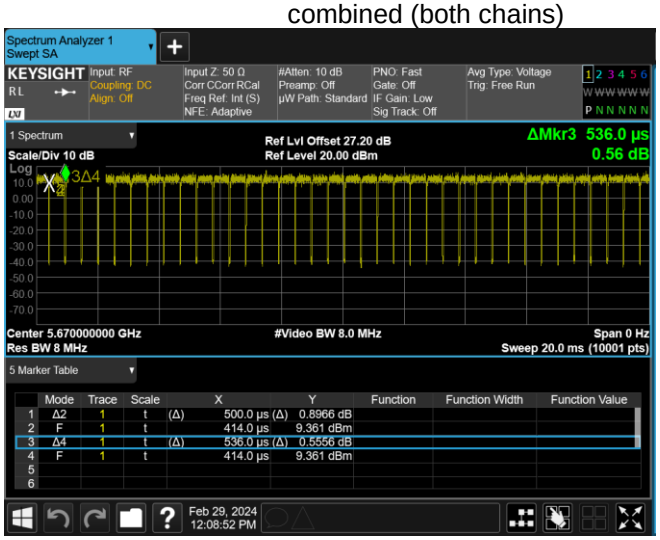
Low Channel – 802.11ac40, (5510MHz)
combined (both chains)



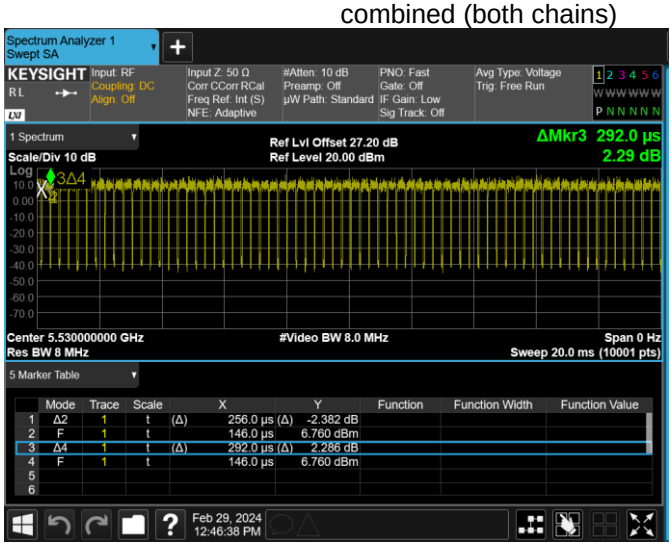
Mid Channel – 802.11ac40, (5590MHz)
combined (both chains)



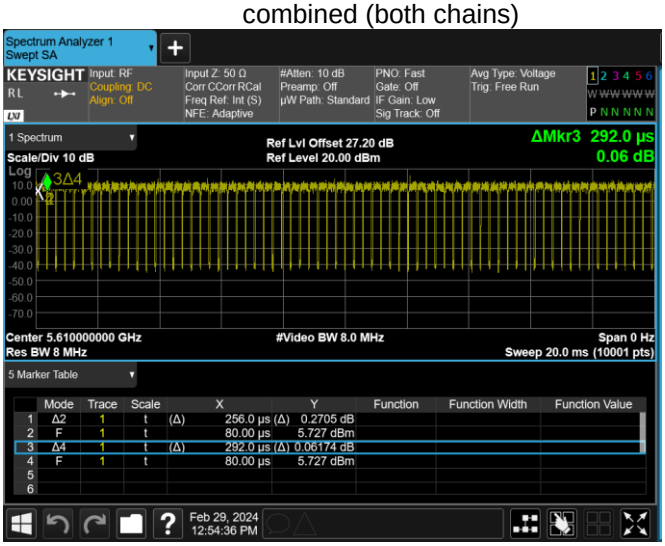
High Channel – 802.11ac40, (5670MHz)
combined (both chains)



Low Channel – 802.11ac80, (5530MHz)
combined (both chains)

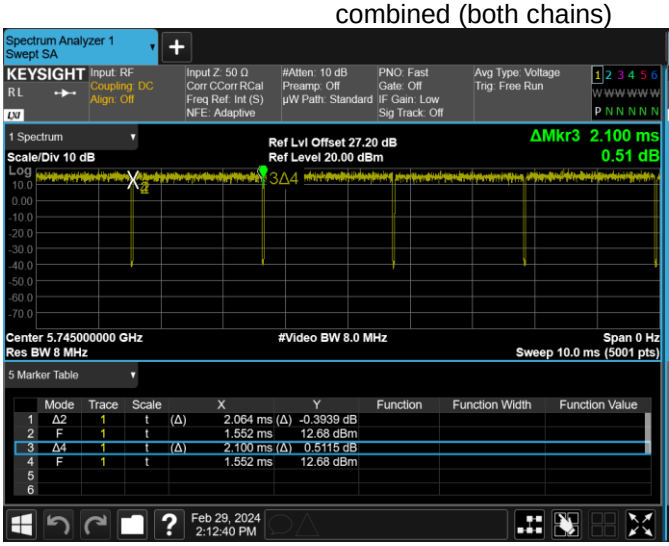


High Channel – 802.11ac80, (5610MHz)
combined (both chains)

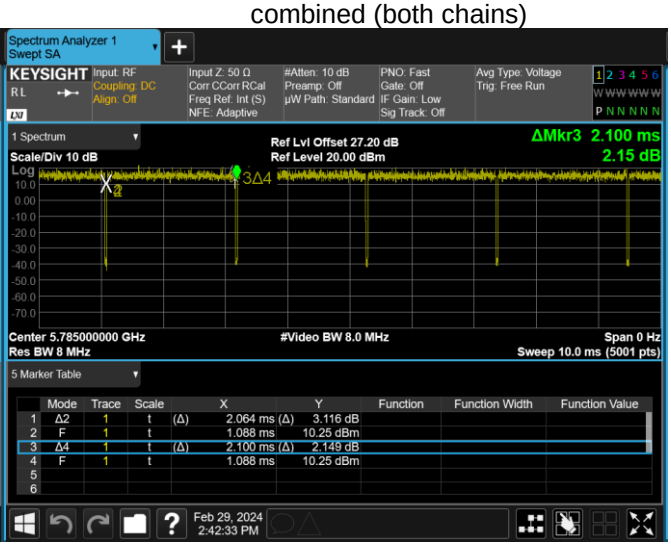


UNII3:

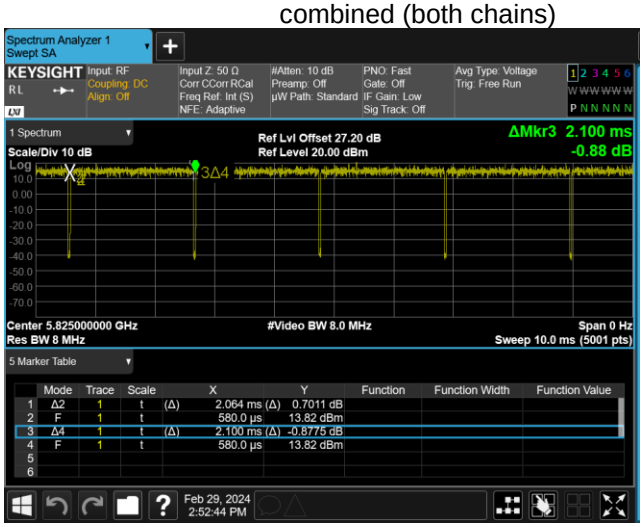
Low Channel – 802.11a NOHT, (5745MHz)
combined (both chains)



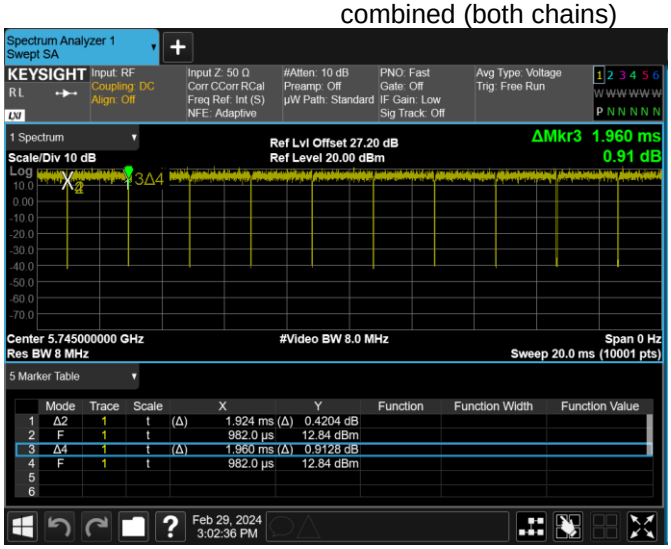
Mid Channel – 802.11a NOHT, (5785MHz)
combined (both chains)



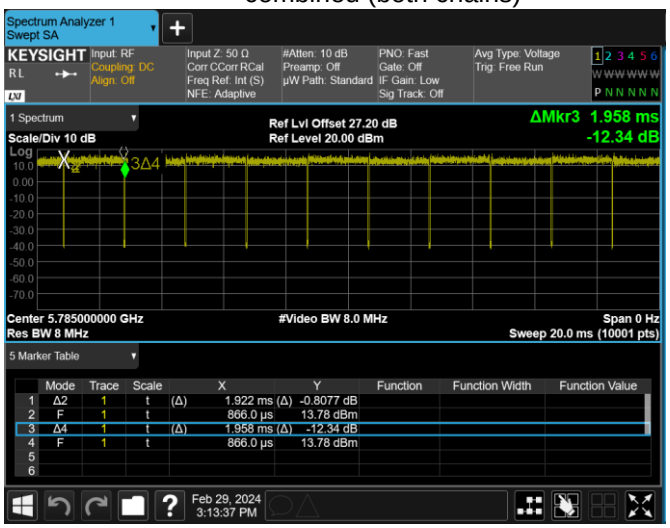
High Channel – 802.11a NOHT, (5825MHz)
combined (both chains)



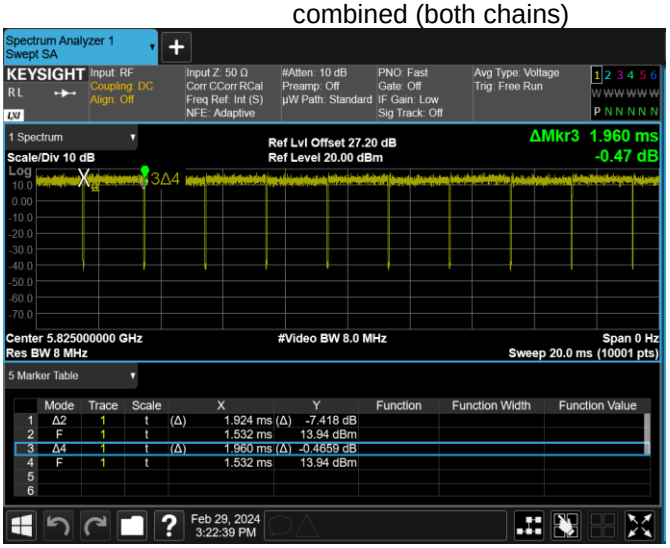
Low Channel – 802.11n20, (5745MHz)
combined (both chains)



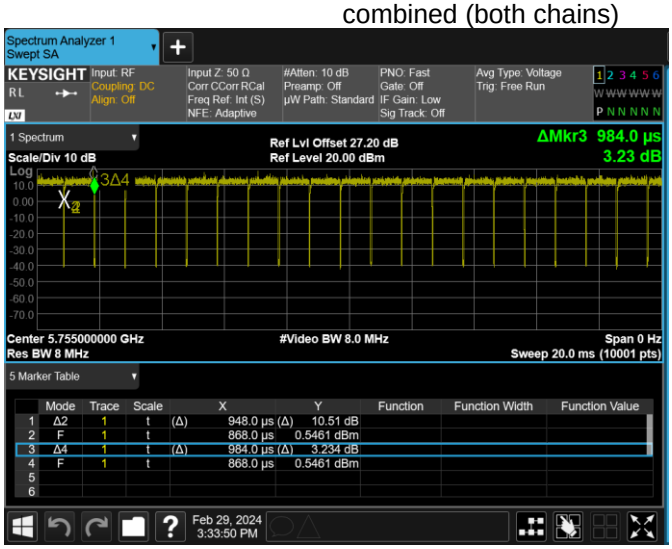
Mid Channel – 802.11n20, (5785MHz)
combined (both chains)



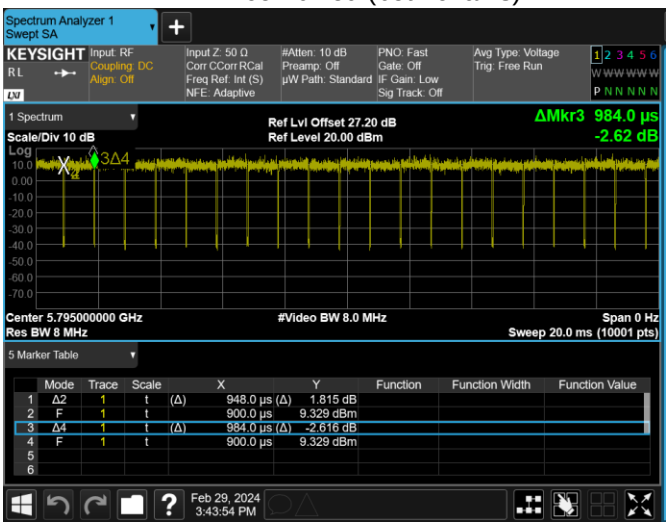
High Channel – 802.11n20, (5825MHz)
combined (both chains)



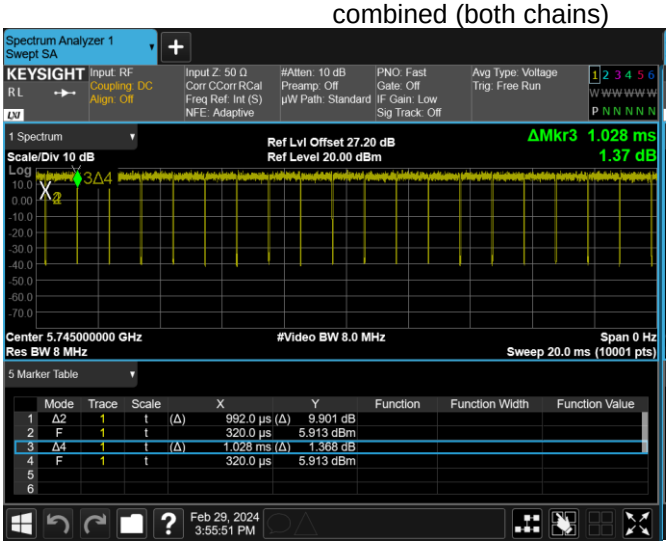
Low Channel – 802.11n40, (5755MHz)
combined (both chains)



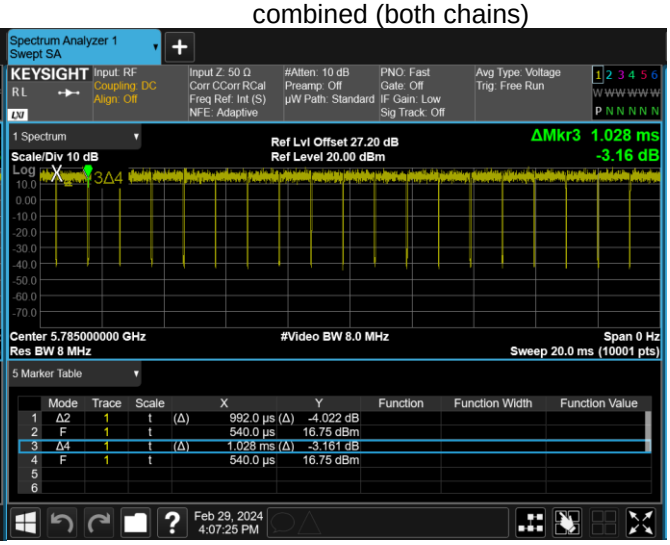
High Channel – 802.11n40, (5795MHz)
combined (both chains)



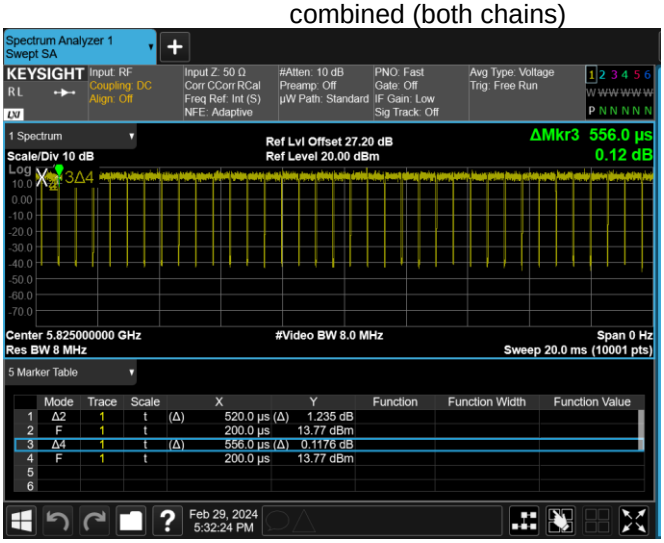
Low Channel – 802.11ac20, (5745MHz)
combined (both chains)



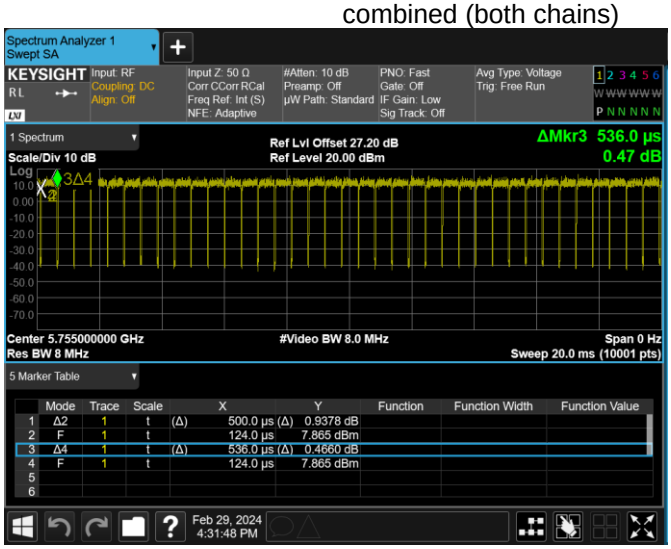
Mid Channel – 802.11ac20, (5785MHz)
combined (both chains)



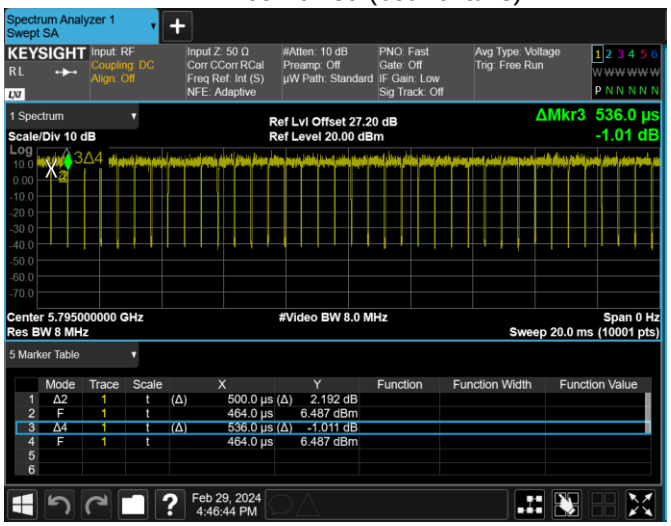
High Channel – 802.11ac20, (5825MHz)
combined (both chains)



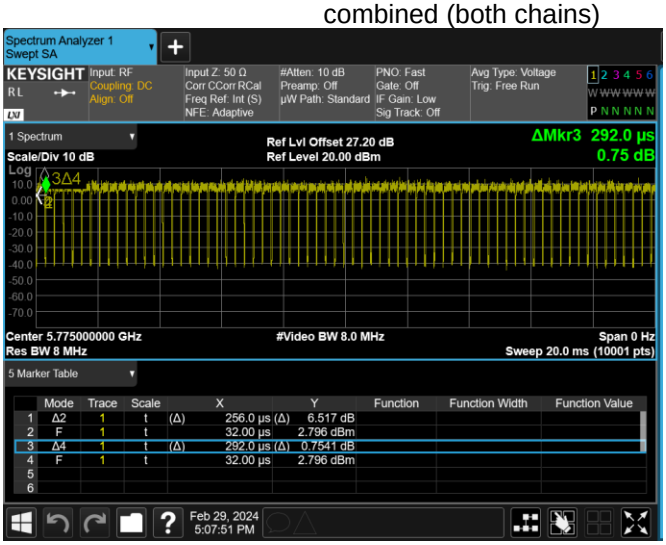
Low Channel – 802.11ac40, (5755MHz)
combined (both chains)



High Channel – 802.11ac40, (5795MHz)
combined (both chains)



Mid Channel – 802.11ac80, (5775MHz)
combined (both chains)



4.7 *Conducted Power Test Data*

		Data Rate	Power Level	Duty Cycle Correction (dB)	Cond. Power (dBm) combined		Antenna Gain (max.) (dBi)	Calculated EIRP (dBm)	Limit EIRP (dBm)
					AVG	Pk			
802.11a UNII1 NOHT	5180 MHz	6	15	16.45	16.45	26.32	5.7	22.15	26
		9	15	16.47	16.47	25.94	5.7	22.17	26
		12	15	16.89	16.89	26.02	5.7	22.59	26
		18	**15**	**16.9**	**16.9**	26.29	5.7	22.6	26
		24	15	16.75	16.75	26.34	5.7	22.45	26
	5200 MHz	6	15	16.5	16.5	26.36	5.7	22.2	26
		9	15	16.85	16.85	25.91	5.7	22.55	26
		12	15	16.92	16.92	26.16	5.7	22.62	26
		18	**15**	**16.96**	**16.96**	25.85	5.7	22.66	26
		24	15	16.85	16.85	26.47	5.7	22.55	26
	5240 MHz	6	15	16.41	16.41	26.23	5.7	22.11	26
		9	15	16.9	16.9	25.94	5.7	22.6	26
		12	15	16.97	16.97	26.2	5.7	22.67	26
		18	**15**	**16.99**	**16.99**	26.58	5.7	22.69	26
		24	15	16.87	16.87	26.46	5.7	22.57	26
802.11 n20 UNII1	5180 MHz	mcs0	15	16.85	16.85	26.76	5.7	22.55	26
		mcs1	15	16.94	16.94	26.09	5.7	22.64	26
		mcs2	15	17.18	17.18	26.1	5.7	22.88	26
		mcs3	15	17.18	17.18	25.74	5.7	22.88	26
		mcs4	**15**	**17.22**	**17.22**	26.15	5.7	22.92	26
		mcs5	15	17.19	17.19	26.23	5.7	22.89	26
		mcs6	15	17.21	17.21	26.38	5.7	22.91	26
		mcs7	15	17.17	17.17	26.35	5.7	22.87	26
		mcs8	15	16.88	16.88	25.89	5.7	22.58	26
		mcs9	15	16.87	16.87	25.85	5.7	22.57	26