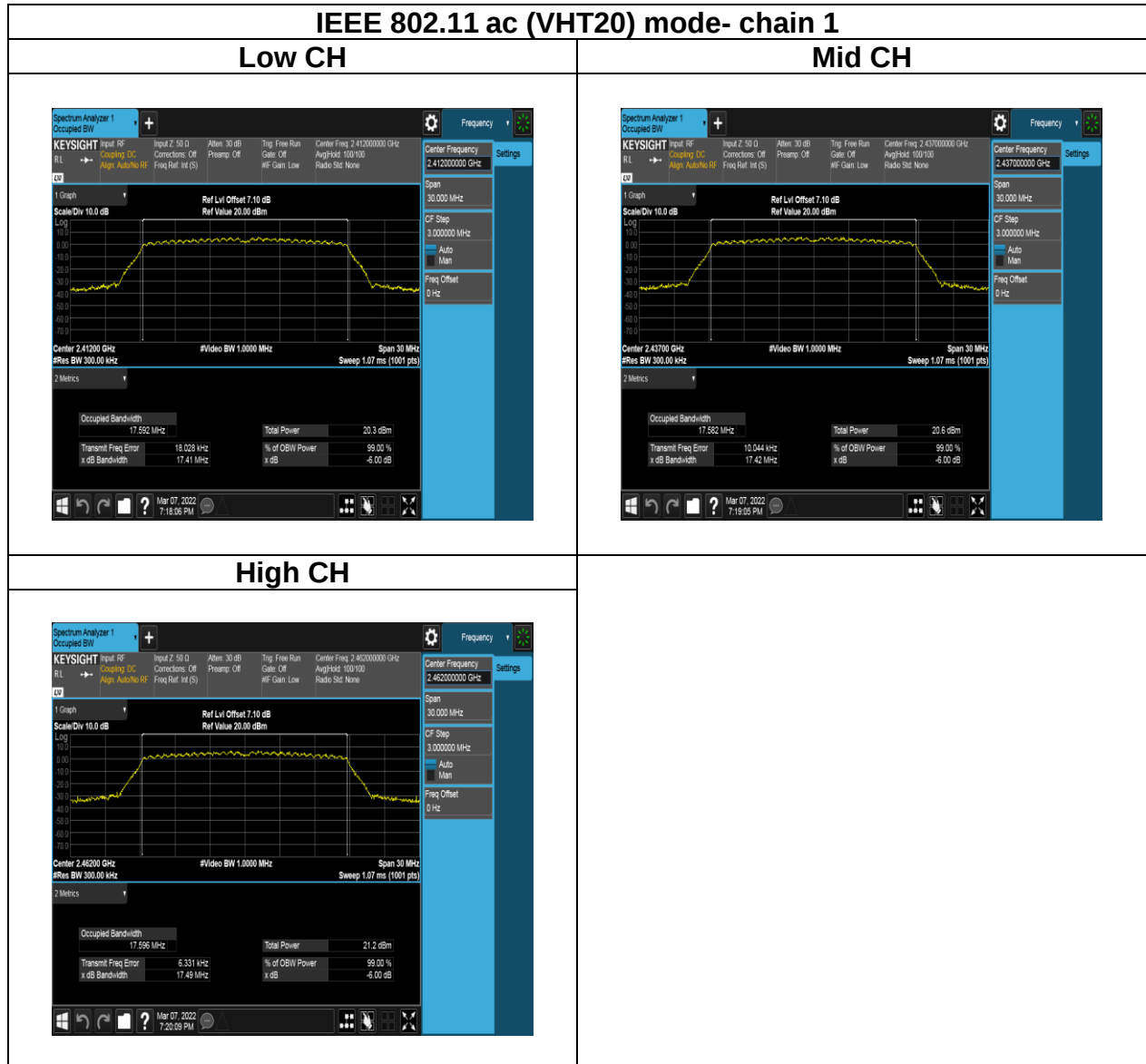
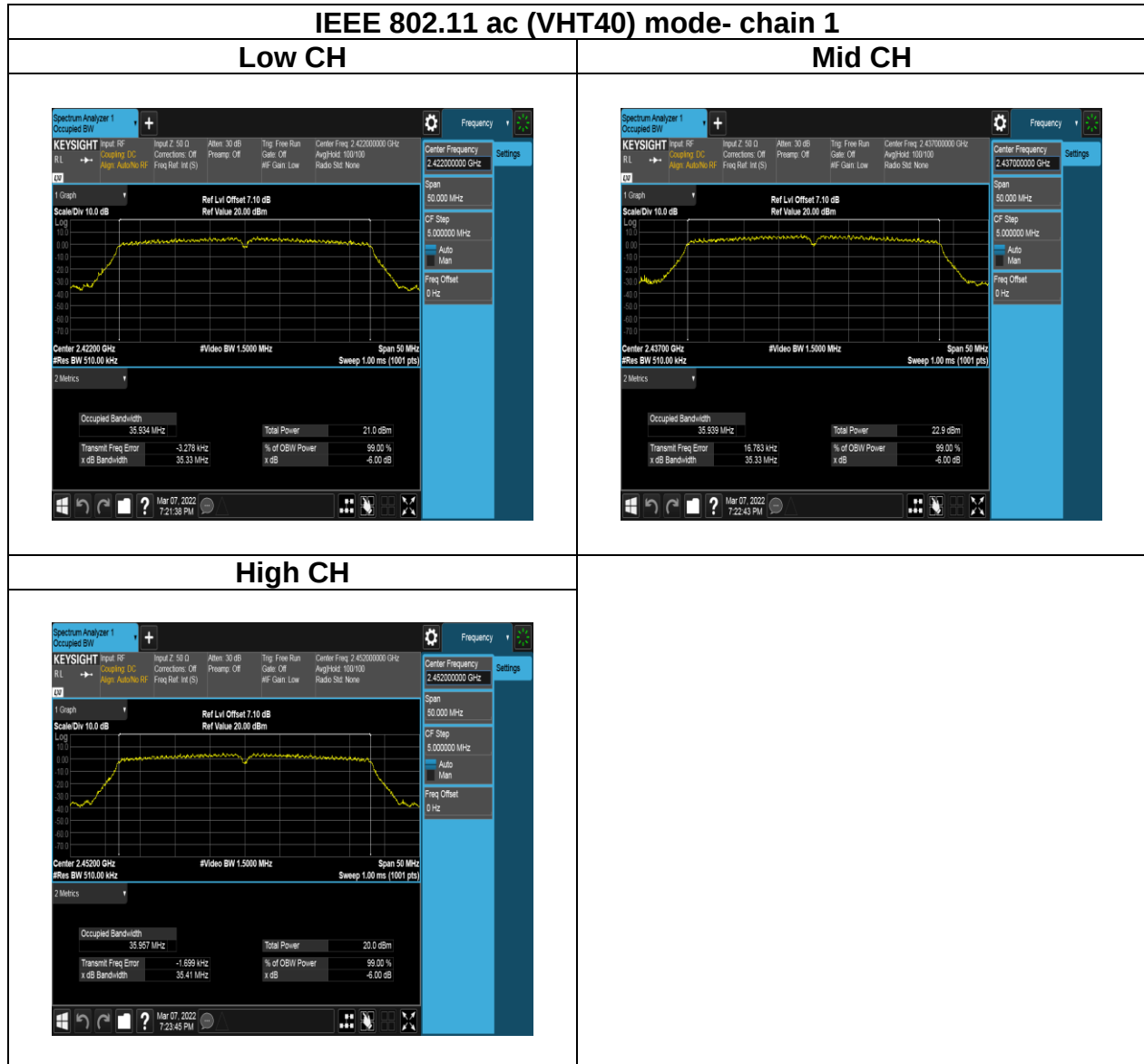


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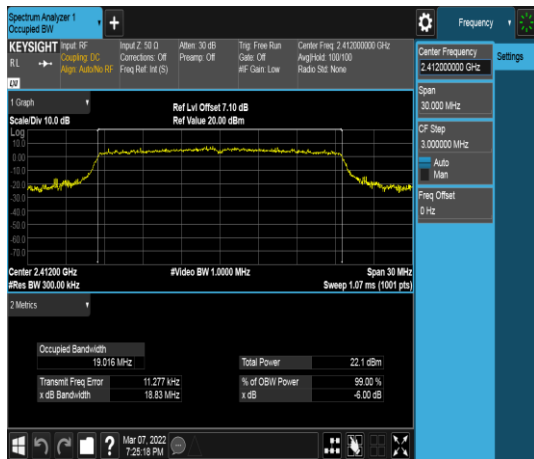
Report No.: TMWK2201000140KR



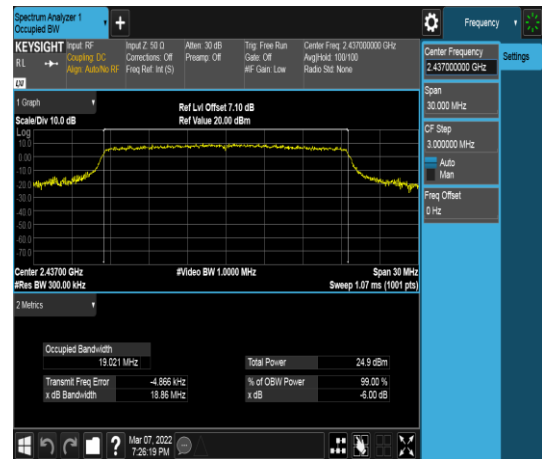
Report No.: TMWK2201000140KR

IEEE 802.11 ax (HE20) mode- chain 1

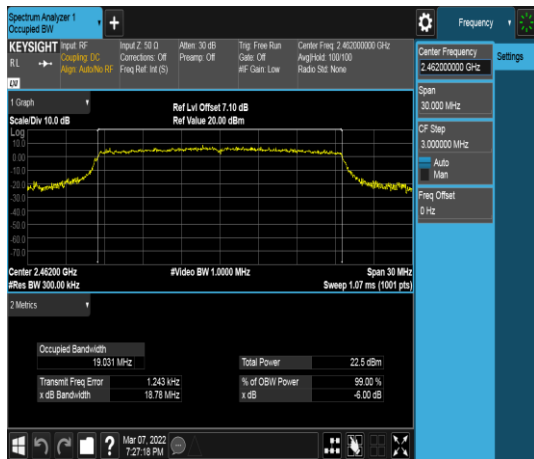
Low CH full



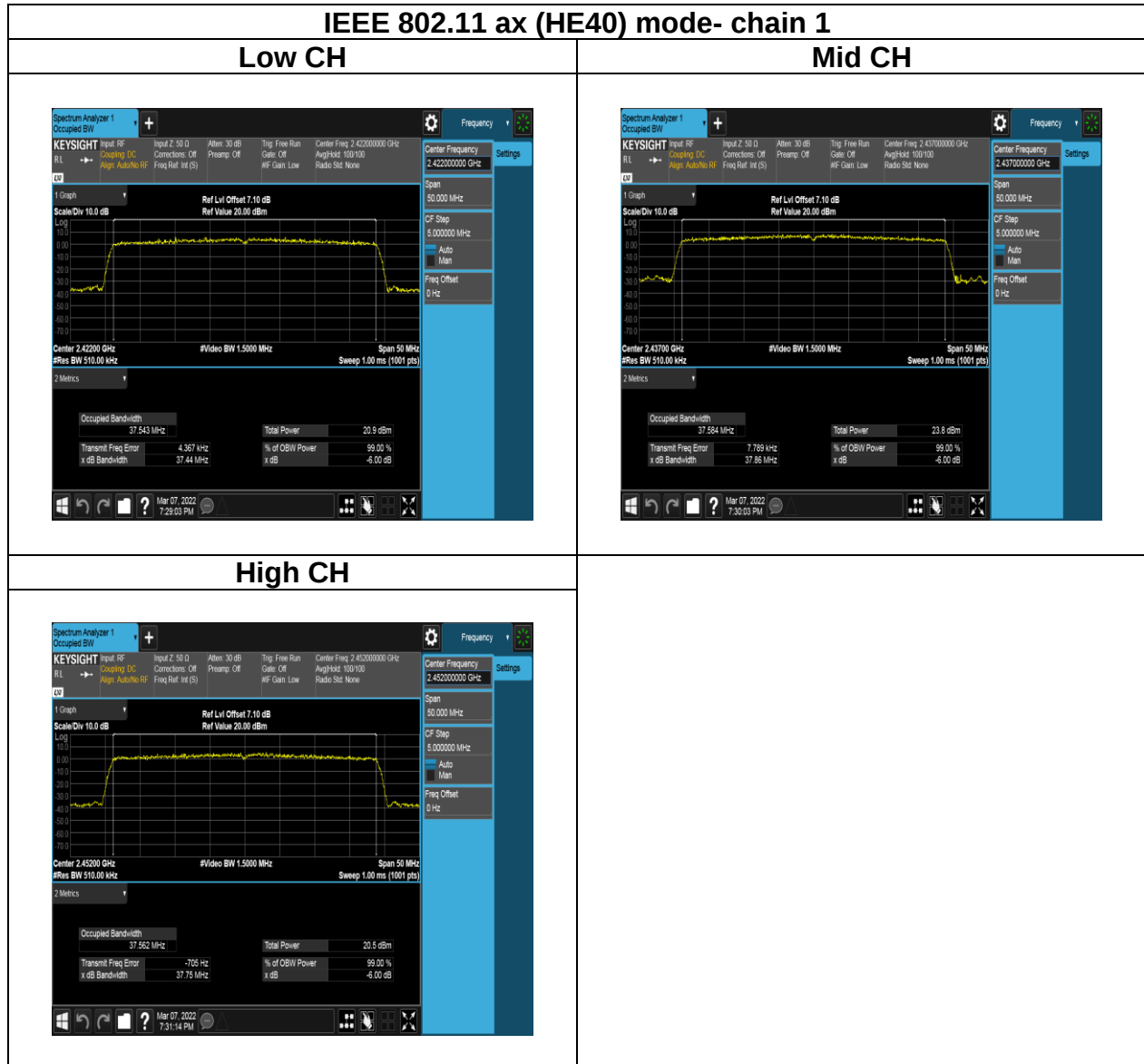
Mid CH full



High CH full



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4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.247(b),

Peak output power :

For systems using digital modulation in the 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt(30 dBm) and the e.i.r.p. shall not exceed 4Watt(36 dBm), base on the use of antennas with directional gain not exceed 6 dBi If transmitting antennas of directional gain greater than 6dBi are used the peak output power the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Limit	☐ Antenna not exceed 6 dBi : 30dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)] ☐ Point-to-point operation :
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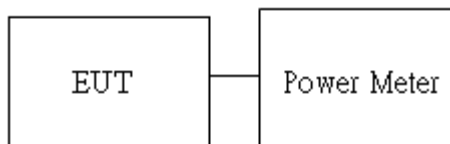
Average output power : For reporting purposes only.

4.3.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

4.3.3 Test Setup



4.3.4 Test Result

BFM OFF

Temperature: 16.5 ~ 23.6°C

Test date: February 10 ~ March 7, 2022

Humidity: 53 ~ 68% RH

Tested by: Jack Chen

Peak output power :

Test Mode: IEEE 802.11b Mode

802.11b_2TX								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	1	18.5	22.60	22.72	25.67	28.39	PASS
2	2417	1	18	21.98	22.10	25.05	28.39	PASS
6	2437	1	18	21.73	21.96	24.86	28.39	PASS
10	2457	1	18	21.47	21.61	24.55	28.39	PASS
11	2462	1	18.5	22.08	22.85	25.49	28.39	PASS

Test Mode: IEEE 802.11g Mode

802.11g_2TX								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	6	15.5	24.94	25.31	28.14	28.39	PASS
2	2417	6	18	25.31	25.37	28.35	28.39	PASS
6	2437	6	18	25.07	25.62	28.36	28.39	PASS
10	2457	6	18	25.31	25.42	28.38	28.39	PASS
11	2462	6	14.5	23.57	25.13	27.43	28.39	PASS

Test Mode: IEEE 802.11n HT 20 MHz Mode

802.11n_HT20M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	MCS0	15.5	24.91	25.04	27.99	28.39	PASS
2	2417	MCS8	18.5	25.21	25.31	28.27	28.39	PASS
6	2437	MCS0	18.5	25.26	25.31	28.30	28.39	PASS
10	2457	MCS8	18.5	25.23	25.43	28.34	28.39	PASS
11	2462	MCS0	15	24.03	25.04	27.57	28.39	PASS



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Test Mode: IEEE 802.11n HT 40 MHz Mode

802.11n_HT40M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
3	2422	MCS0	13.5	23.06	23.14	26.11	28.39	PASS
4	2427	MCS8	15.5	24.22	24.72	27.49	28.39	PASS
5	2432	MCS8	17	25.11	25.54	28.34	28.39	PASS
6	2437	MCS0	19	25.20	25.37	28.30	28.39	PASS
7	2442	MCS8	17	25.00	25.32	28.17	28.39	PASS
8	2447	MCS8	15.5	24.06	24.73	27.42	28.39	PASS
9	2452	MCS0	13.5	22.90	22.98	25.95	28.39	PASS

Test Mode: IEEE 802.11 ac (VHT20) MHz Mode

802.11ac_VHT20M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	MCS8	15.5	25.03	25.09	28.07	28.39	PASS
2	2417	MCS8	18.5	25.31	25.32	28.33	28.39	PASS
6	2437	MCS8	18.5	25.33	25.34	28.35	28.39	PASS
10	2457	MCS8	18.5	25.27	25.41	28.35	28.39	PASS
11	2462	MCS8	15	24.77	25.01	27.90	28.39	PASS

Test Mode: IEEE 802.11 ac (VHT40) MHz Mode

802.11ac_VHT40M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
3	2422	MCS8	13.5	23.14	23.24	26.20	28.39	PASS
4	2427	MCS8	15.5	24.93	25.14	28.05	28.39	PASS
5	2432	MCS8	17	25.09	25.56	28.34	28.39	PASS
6	2437	MCS8	19	25.33	25.36	28.36	28.39	PASS
7	2442	MCS8	17	24.89	25.47	28.20	28.39	PASS
8	2447	MCS8	15.5	24.05	24.83	27.47	28.39	PASS
9	2452	MCS8	13.5	22.96	23.13	26.06	28.39	PASS

Test Mode: IEEE 802.11 ax (HE20) MHz Mode

802.11ax_HE20M MIMO									
CH	Freq. (MHz)	Data Rate	RU Config	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
1	2412	MCS0	full	14.5	24.59	25.03	27.83	28.39	PASS
			26/0	16	20.36	20.76	23.57	28.39	PASS
			52/37	15.5	18.23	18.67	21.47	28.39	PASS
			106/53	14.5	21.42	21.48	24.46	28.39	PASS
2	2417	MCS0	full	18	25.31	25.40	28.37	28.39	PASS
3	2422	MCS0	full	18.5	25.30	25.40	28.36	28.39	PASS
6	2437	MCS0	full	18.5	25.32	25.33	28.34	28.39	PASS
			26/0	19	23.61	24.14	26.89	28.39	PASS
			26/8	19	22.80	23.61	26.23	28.39	PASS
			52/37	19	23.42	23.76	26.60	28.39	PASS
			52/40	19	23.11	23.91	26.54	28.39	PASS
			106/53	17.5	24.60	25.06	27.85	28.39	PASS
			106/54	17.5	24.67	25.10	27.90	28.39	PASS
9	2452	MCS0	full	18.5	25.31	25.39	28.36	28.39	PASS
10	2457	MCS0	full	18.5	25.28	25.45	28.38	28.39	PASS
11	2462	MCS0	full	14	23.80	23.94	26.88	28.39	PASS
			26/8	16	19.08	20.62	22.93	28.39	PASS
			52/40	15	17.96	18.12	21.05	28.39	PASS
			106/54	14	20.04	20.95	23.53	28.39	PASS



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Test Mode: IEEE 802.11 ax (HE40) MHz Mode

802.11ax_HE40M MIMO									
CH	Freq. (MHz)	Data Rate	RU Config	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
3	2422	MCS0	full	13.5	23.25	23.64	26.46	28.39	PASS
			242/61	12.5	20.71	20.80	23.77	28.39	PASS
4	2427	MCS0	full	15	24.13	24.75	27.46	28.39	PASS
5	2432	MCS0	full	15	24.24	25.06	27.68	28.39	PASS
6	2437	MCS0	full	18.5	25.33	25.41	28.38	28.39	PASS
			242/61	15.5	23.29	23.51	26.41	28.39	PASS
			242/62	15.5	23.06	23.23	26.16	28.39	PASS
7	2442	MCS0	full	16	24.91	25.21	28.07	28.39	PASS
8	2447	MCS0	full	14.5	23.94	24.12	27.04	28.39	PASS
9	2452	MCS0	full	14	23.18	23.54	26.37	28.39	PASS
			242/62	12.5	20.06	20.44	23.26	28.39	PASS

Average output power :

Test Mode: IEEE 802.11b Mode

802.11b_2TX								
CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	1	18.5	20.12	20.31	23.26	28.39	PASS
2	2417	1	18	19.56	19.67	22.66	28.39	PASS
6	2437	1	18	19.28	19.50	22.43	28.39	PASS
10	2457	1	18	18.98	19.17	22.12	28.39	PASS
11	2462	1	18.5	19.61	20.50	23.12	28.39	PASS

Test Mode: IEEE 802.11g Mode

802.11g_2TX								
CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	6	15.5	15.34	15.44	18.58	28.39	PASS
2	2417	6	18	17.72	17.82	20.96	28.39	PASS
6	2437	6	18	17.63	18.08	21.05	28.39	PASS
10	2457	6	18	17.36	17.39	20.57	28.39	PASS
11	2462	6	14.5	13.89	14.75	17.53	28.39	PASS

Test Mode: IEEE 802.11n HT 20 MHz Mode

802.11n_HT20M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	MCS0	15.5	15.28	15.29	18.49	28.39	PASS
2	2417	MCS8	18.5	18.17	18.37	21.47	28.39	PASS
6	2437	MCS0	18.5	17.96	18.06	21.21	28.39	PASS
10	2457	MCS8	18.5	17.65	17.87	20.96	28.39	PASS
11	2462	MCS0	15	14.27	15.19	17.95	28.39	PASS



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Test Mode: IEEE 802.11n HT 40 MHz Mode

802.11n_HT40M MIMO

CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
3	2422	MCS0	13.5	12.81	12.87	16.22	28.39	PASS
4	2427	MCS8	15.5	14.68	14.84	18.14	28.39	PASS
5	2432	MCS8	17	16.19	16.28	19.62	28.39	PASS
6	2437	MCS0	19	17.81	18.30	21.44	28.39	PASS
7	2442	MCS8	17	16.07	16.22	19.53	28.39	PASS
8	2447	MCS8	15.5	14.52	14.56	17.92	28.39	PASS
9	2452	MCS0	13.5	12.45	12.57	15.89	28.39	PASS

Test Mode: IEEE 802.11 ac (VHT20) MHz Mode

802.11ac_VHT20M MIMO

CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	MCS8	15.5	15.28	15.31	18.50	28.39	PASS
2	2417	MCS8	18.5	18.26	18.34	21.50	28.39	PASS
6	2437	MCS8	18.5	18.00	18.14	21.27	28.39	PASS
10	2457	MCS8	18.5	17.72	17.93	21.03	28.39	PASS
11	2462	MCS8	15	14.25	15.23	17.97	28.39	PASS



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Test Mode: IEEE 802.11 ac (VHT40) MHz Mode**802.11ac_VHT40M MIMO**

CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
3	2422	MCS8	13.5	12.82	12.88	16.23	28.39	PASS
4	2427	MCS8	15.5	14.72	14.91	18.20	28.39	PASS
5	2432	MCS8	17	16.21	16.38	19.68	28.39	PASS
6	2437	MCS8	19	18.27	18.32	21.68	28.39	PASS
7	2442	MCS8	17	16.08	16.27	19.56	28.39	PASS
8	2447	MCS8	15.5	14.49	14.71	17.98	28.39	PASS
9	2452	MCS8	13.5	12.49	12.56	15.91	28.39	PASS

Test Mode: IEEE 802.11 ax (HE20) MHz Mode**802.11ax_HE20M MIMO**

CH	Freq. (MHz)	Data Rate	RU Config	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
1	2412	MCS0	full	14.5	14.36	14.41	17.64	28.39	PASS
			26/0	16	5.51	6.11	9.07	28.39	PASS
			52/37	15.5	7.72	7.75	10.99	28.39	PASS
			106/53	14.5	10.33	10.36	13.60	28.39	PASS
2	2417	MCS0	full	18	17.82	17.96	21.14	28.39	PASS
3	2422	MCS0	full	18.5	18.26	18.41	21.59	28.39	PASS
6	2437	MCS0	full	18.5	18.04	18.21	21.38	28.39	PASS
			26/0	19	7.69	7.83	11.01	28.39	PASS
			26/8	19	7.74	7.96	11.10	28.39	PASS
			52/37	19	11.18	11.40	14.54	28.39	PASS
			52/40	19	11.34	11.68	14.76	28.39	PASS
			106/53	17.5	13.47	14.00	16.99	28.39	PASS
			106/54	17.5	13.65	14.06	17.11	28.39	PASS
9	2452	MCS0	full	18.5	17.83	18.02	21.18	28.39	PASS
10	2457	MCS0	full	18.5	17.80	18.00	21.15	28.39	PASS
11	2462	MCS0	full	14	13.36	14.28	17.09	28.39	PASS
			26/8	16	5.35	6.87	9.43	28.39	PASS
			52/40	15	6.73	7.74	10.51	28.39	PASS
			106/54	14	9.42	10.47	13.23	28.39	PASS



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Test Mode: IEEE 802.11 ax (HE40) MHz Mode

802.11ax_HE40M MIMO

CH	Freq. (MHz)	Data Rate	RU Config	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
3	2422	MCS0	full	13.5	12.96	13.05	16.76	28.39	PASS
			242/61	12.5	8.31	8.69	12.25	28.39	PASS
4	2427	MCS0	full	15	14.39	14.63	18.26	28.39	PASS
5	2432	MCS0	full	15	14.31	14.61	18.21	28.39	PASS
6	2437	MCS0	full	18.5	17.78	18.00	21.64	28.39	PASS
			242/61	15.5	11.54	11.70	15.37	28.39	PASS
			242/62	15.5	11.78	11.91	15.60	28.39	PASS
7	2442	MCS0	full	16	15.23	15.45	19.09	28.39	PASS
8	2447	MCS0	full	14.5	13.67	13.90	17.54	28.39	PASS
9	2452	MCS0	full	14	13.10	13.26	16.93	28.39	PASS
			242/62	12.5	8.31	8.61	12.21	28.39	PASS

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BFM ON

Temperature: 16.5 ~ 24°C

Test date: February 11 ~ April 2, 2022

Humidity: 48 ~ 68% RH

Tested by: Allen Shen

Peak output power :

Test Mode: IEEE 802.11 ac (VHT20) MHz Mode

802.11ac_VHT20M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	MCS8	12.5	22.73	22.80	25.78	28.39	PASS
6	2437	MCS8	15.5	24.79	24.88	27.85	28.39	PASS
11	2462	MCS8	12	22.49	22.73	25.62	28.39	PASS

Test Mode: IEEE 802.11 ac (VHT40) MHz Mode

802.11ac_VHT40M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
3	2422	MCS8	10.5	20.68	20.71	23.71	28.39	PASS
6	2437	MCS8	16	24.91	25.10	28.02	28.39	PASS
9	2452	MCS8	10.5	20.57	20.87	23.73	28.39	PASS

Test Mode: IEEE 802.11 ax (HE20) MHz Mode

802.11ax_HE20M MIMO									
CH	Freq. (MHz)	Data Rate	RU Config	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
1	2412	MCS0	full	11.5	22.16	22.25	25.22	28.39	PASS
6	2437	MCS0	full	15.5	24.91	25.19	28.06	28.39	PASS
11	2462	MCS0	full	11	21.64	22.03	24.85	28.39	PASS



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Test Mode: IEEE 802.11 ax (HE40) MHz Mode

802.11ax_HE40M MIMO									
CH	Freq. (MHz)	Data Rate	RU Config	Power set	Peak Output Power (dBm)		Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
3	2422	MCS0	full	10.5	20.68	20.72	23.71	28.39	PASS
6	2437	MCS0	full	15.5	24.46	24.87	27.68	28.39	PASS
9	2452	MCS0	full	11	21.07	21.30	24.20	28.39	PASS

Average output power :

Test Mode: IEEE 802.11 ac (VHT20) MHz Mode

802.11ac_VHT20M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
1	2412	MCS8	12.5	12.18	12.26	15.42	28.39	PASS
6	2437	MCS8	15.5	14.93	15.02	18.18	28.39	PASS
11	2462	MCS8	12	11.28	12.19	14.96	28.39	PASS

Test Mode: IEEE 802.11 ac (VHT40) MHz Mode

802.11ac_VHT40M MIMO								
CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
				CH 0	CH 1			
3	2422	MCS8	10.5	9.71	9.76	13.12	28.39	PASS
6	2437	MCS8	16	15.21	15.30	18.64	28.39	PASS
9	2452	MCS8	10.5	9.40	9.49	12.83	28.39	PASS

Test Mode: IEEE 802.11 ax (HE20) MHz Mode

802.11ax_HE20M MIMO									
CH	Freq. (MHz)	Data Rate	RU Config	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
1	2412	MCS0	full	11.5	11.24	11.39	14.57	28.39	PASS
6	2437	MCS0	full	15.5	15.06	15.19	18.38	28.39	PASS
11	2462	MCS0	full	11	10.29	11.31	14.08	28.39	PASS

Test Mode: IEEE 802.11 ax (HE40) MHz Mode

802.11ax_HE40M MIMO

CH	Freq. (MHz)	Data Rate	RU Config	Power set	Avg. Output Power (dBm)		Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
					CH 0	CH 1			
3	2422	MCS0	full	10.5	9.90	9.95	13.68	28.39	PASS
6	2437	MCS0	full	15.5	14.79	14.95	18.62	28.39	PASS
9	2452	MCS0	full	11	10.09	10.14	13.87	28.39	PASS

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.247(e),

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

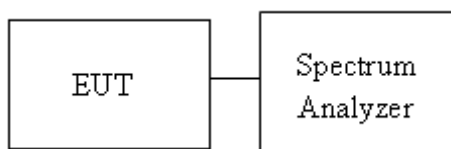
Limit	☐ Antenna not exceed 6 dBi : 8dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 8 – (DG – 6)] ☐ Point-to-point operation :
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4.4.2 Test Procedure

Test method Refer as ANSI C63.10:2013,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 30kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
4. The path loss and Duty Factor were compensated to the results for each measurement by SA.
5. Mark the maximum level.
6. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup



4.4.4 Test Result**BFM OFF****Temperature:** 16.5 ~ 23.6°C**Test date:** February 10 ~ March 7, 2022**Humidity:** 53 ~ 68% RH**Tested by:** Jack Chen

Test mode: IEEE 802.11b mode					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-1.68	-1.99	1.18	6.39	PASS
2417	-2.22	-2.08	0.86	6.39	PASS
2437	-2.16	-3.21	0.36	6.39	PASS
2457	-2.37	-3.14	0.27	6.39	PASS
2462	-1.33	-1.12	1.79	6.39	PASS

Test mode: IEEE 802.11g mode					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-9.54	-8.35	-5.89	6.39	PASS
2417	-5.93	-7.34	-3.57	6.39	PASS
2437	-5.72	-6.32	-3.00	6.39	PASS
2457	-6.87	-6.96	-3.90	6.39	PASS
2462	-10.15	-10.65	-7.38	6.39	PASS

Test mode: IEEE 802.11 ac (VHT20)					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-8.37	-9.66	-5.96	6.39	PASS
2417	-6.65	-5.7	-3.14	6.39	PASS
2437	-6.93	-6.05	-3.46	6.39	PASS
2457	-6.36	-7.02	-3.67	6.39	PASS
2462	-10.95	-9.24	-7.00	6.39	PASS

Test mode: IEEE 802.11 ac (VHT40)					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-14.44	-14.59	-11.50	6.39	PASS
2427	-13.34	-12.99	-10.15	6.39	PASS
2432	-11.21	-10.83	-8.01	6.39	PASS
2437	-9.75	-8.92	-6.30	6.39	PASS
2442	-10.57	-11.10	-7.82	6.39	PASS
2447	-12.40	-12.47	-9.42	6.39	PASS
2452	-15.19	-14.54	-11.84	6.39	PASS

Test mode: IEEE 802.11 ax (HE20)						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-11.53	-10.62	-8.04	6.39	PASS
	26/0	-12.47	-13.20	-9.81	6.39	PASS
	52/37	-13.47	-12.22	-9.79	6.39	PASS
	106/53	-13.40	-11.99	-9.63	6.39	PASS
2417	full	-8.23	-7.79	-4.99	6.39	PASS
2422	full	-7.41	-7.32	-4.35	6.39	PASS
2437	full	-7.06	-8.58	-4.74	6.39	PASS
	26/0	-8.76	-9.89	-6.28	6.39	PASS
	26/8	-8.55	-9.19	-5.85	6.39	PASS
	52/37	-8.68	-8.80	-5.73	6.39	PASS
	52/40	-8.33	-9.14	-5.71	6.39	PASS
	106/53	-8.37	-9.09	-5.70	6.39	PASS
	106/54	-8.57	-9.10	-5.82	6.39	PASS
2452	full	-7.42	-7.86	-4.62	6.39	PASS
2457	full	-7.79	-8.25	-5.00	6.39	PASS
2462	full	-12.86	-11.15	-8.91	6.39	PASS
	26/8	-13.96	-12.19	-9.98	6.39	PASS
	52/40	-12.87	-12.79	-9.82	6.39	PASS
	106/54	-14.17	-11.31	-9.50	6.39	PASS

Test mode: IEEE 802.11 ax (HE40)						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-14.85	-15.03	-11.93	6.39	PASS
	242/61	-17.51	-17.59	-14.54	6.39	PASS
2427	full	-13.05	-13.5	-10.26	6.39	PASS
2432	full	-13.56	-14.12	-10.82	6.39	PASS
2437	full	-10.15	-11	-7.54	6.39	PASS
	242/61	-13.87	-14.36	-11.10	6.39	PASS
	242/62	-13.84	-14.67	-11.22	6.39	PASS
2422	full	-13.52	-13.98	-10.73	6.39	PASS
2447	full	-14.93	-15.16	-12.03	6.39	PASS
2452	full	-15.06	-13.62	-11.27	6.39	PASS
	242/62	-17.53	-18.14	-14.81	6.39	PASS

Report No.: TMWK2201000140KR

BFM ON

Temperature: 16.5 ~ 24°C

Test date: February 11 ~ April 2, 2022

Humidity: 48 ~ 68% RH

Tested by: Allen Shen

Test mode: IEEE 802.11 ac (VHT20)					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-13.09	-11.65	-9.30	6.39	PASS
2437	-8.37	-8.68	-5.51	6.39	PASS
2462	-12.71	-12.23	-9.45	6.39	PASS

Test mode: IEEE 802.11 ac (VHT40)					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-17.09	-17.97	-14.50	6.39	PASS
2437	-12.75	-11.48	-9.06	6.39	PASS
2452	-18.59	-17.46	-14.98	6.39	PASS

Test mode: IEEE 802.11 ax (HE20)						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-14.51	-14.42	-11.45	6.39	PASS
2437	full	-11.38	-10.9	-8.12	6.39	PASS
2462	full	-16.3	-14.96	-12.57	6.39	PASS

Test mode: IEEE 802.11 ax (HE40)						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-18.22	-19.77	-15.92	6.39	PASS
2437	full	-14.1	-13.05	-10.53	6.39	PASS
2452	full	-18.63	-17.9	-15.24	6.39	PASS

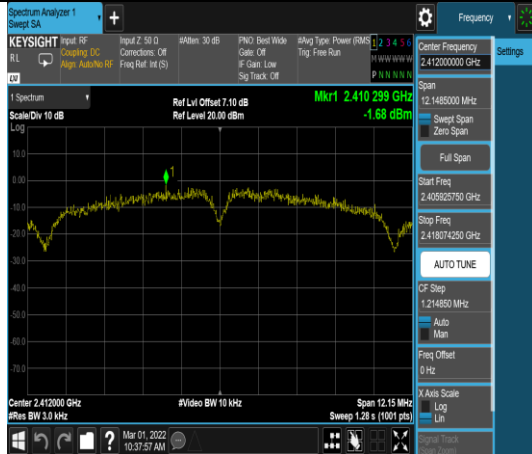
Report No.: TMWK2201000140KR

Test Data

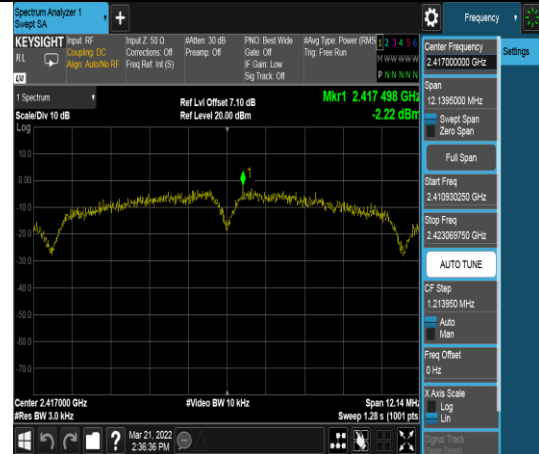
BFM OFF

IEEE 802.11b mode- chain 0

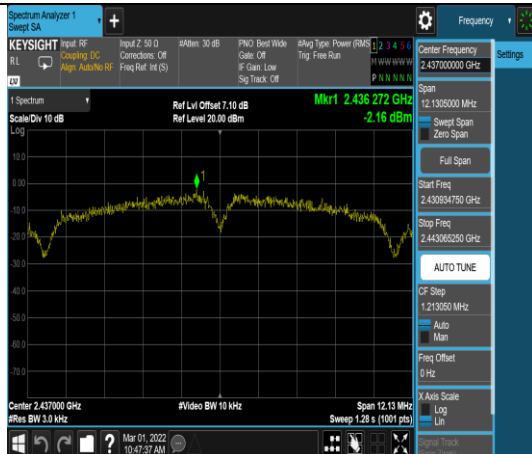
CH 2412



CH 2417



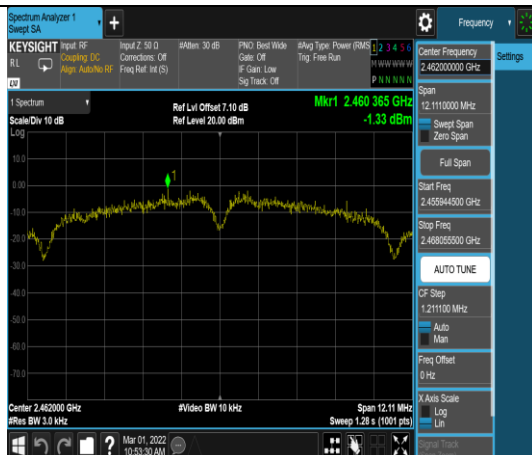
CH 2437



CH 2457

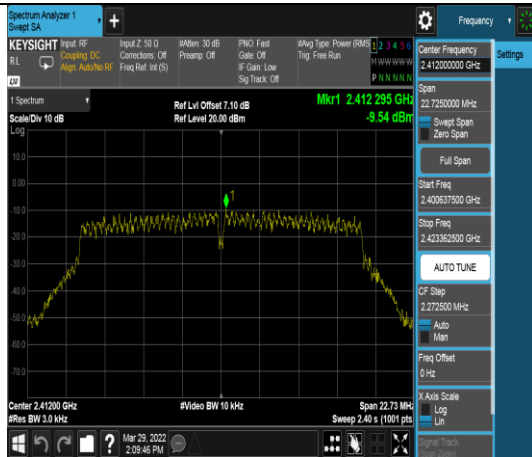


CH 2462

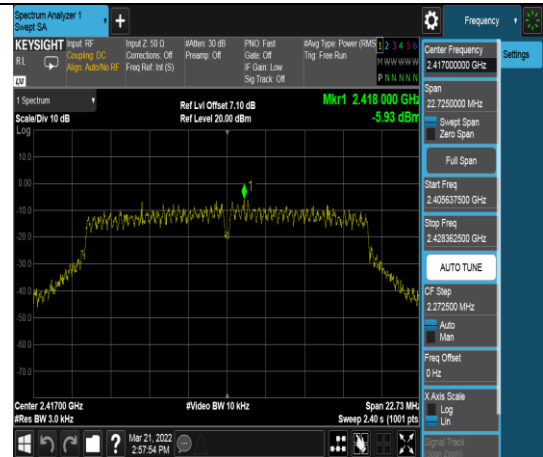


IEEE 802.11g mode- chain 0

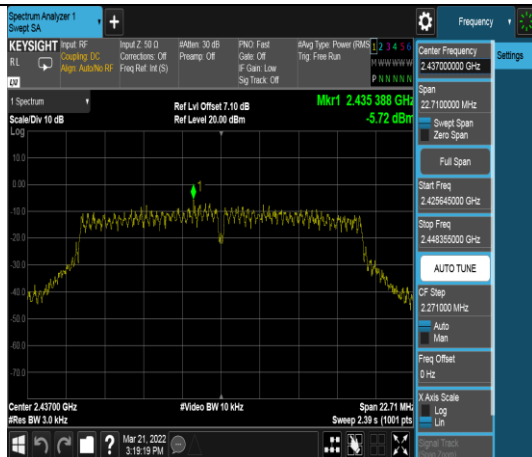
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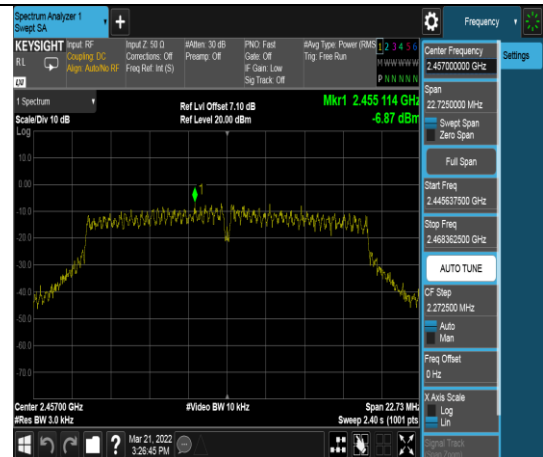
CH 2417



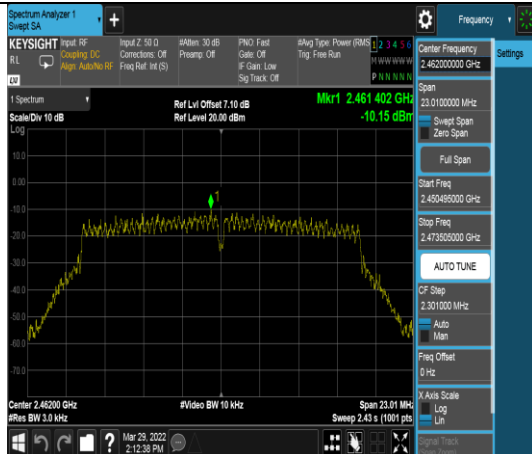
CH 2437



CH 2457

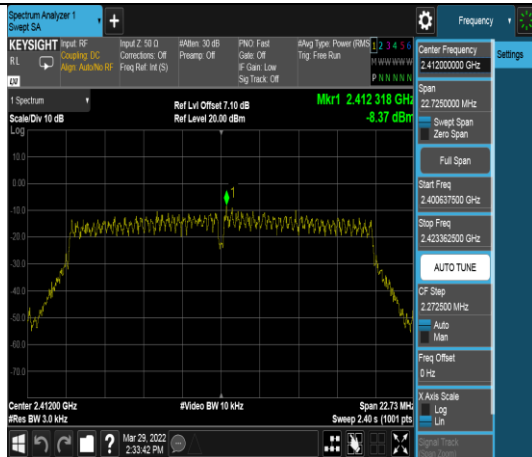


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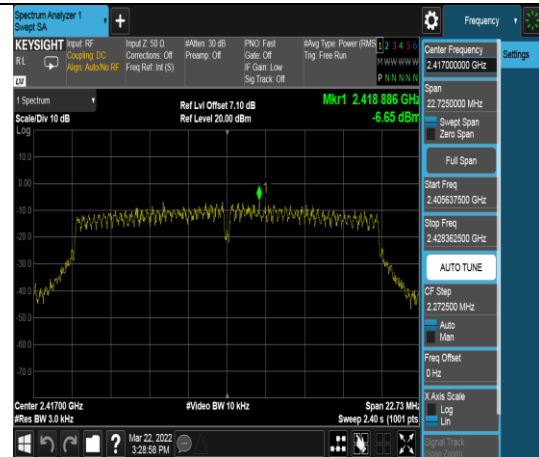


IEEE 802.11 ac (VHT20) mode- chain 0

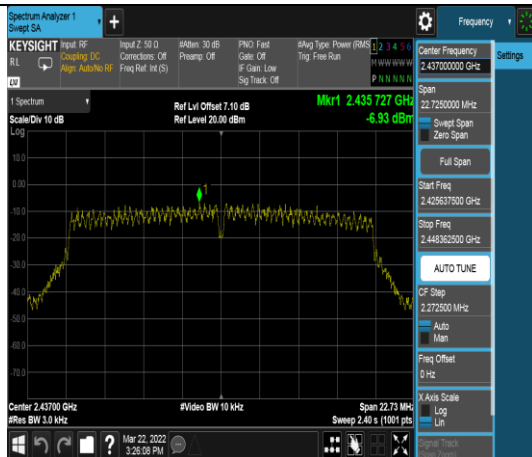
CH 2412



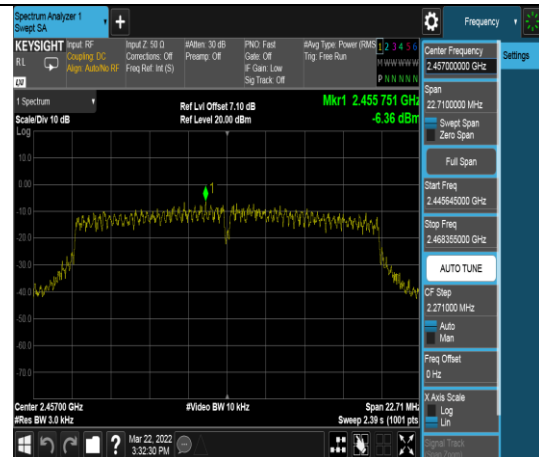
CH 2417



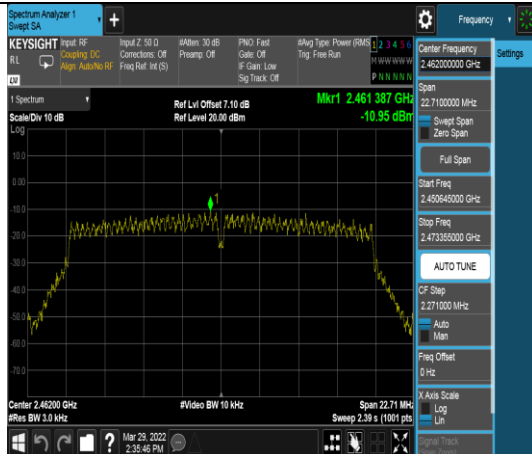
CH 2437



CH 2457

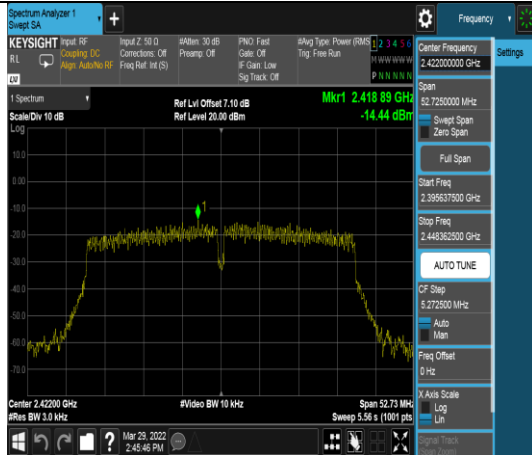


CH 2462

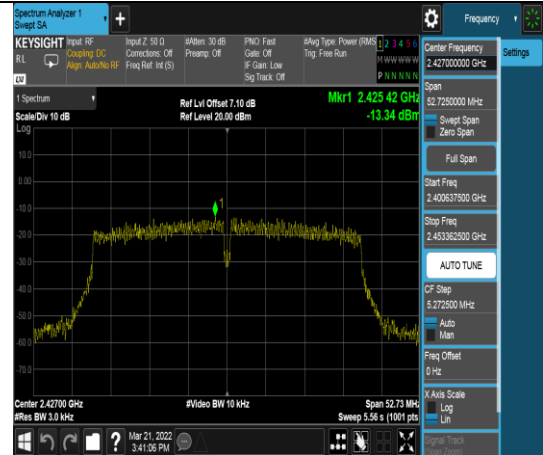


IEEE 802.11 ac (VHT40) mode- chain 0

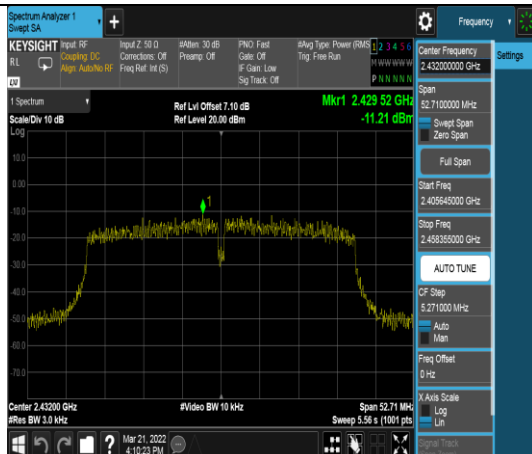
CH 2422



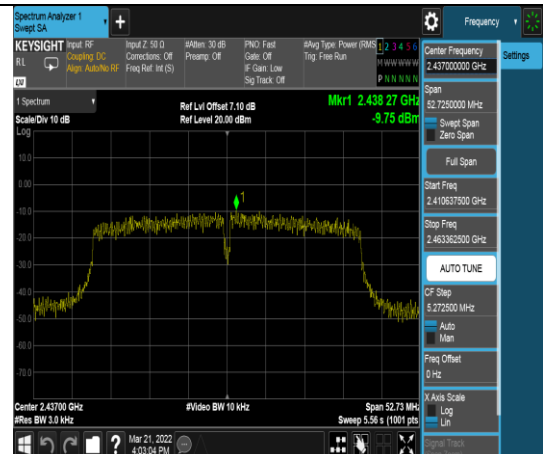
CH 2427

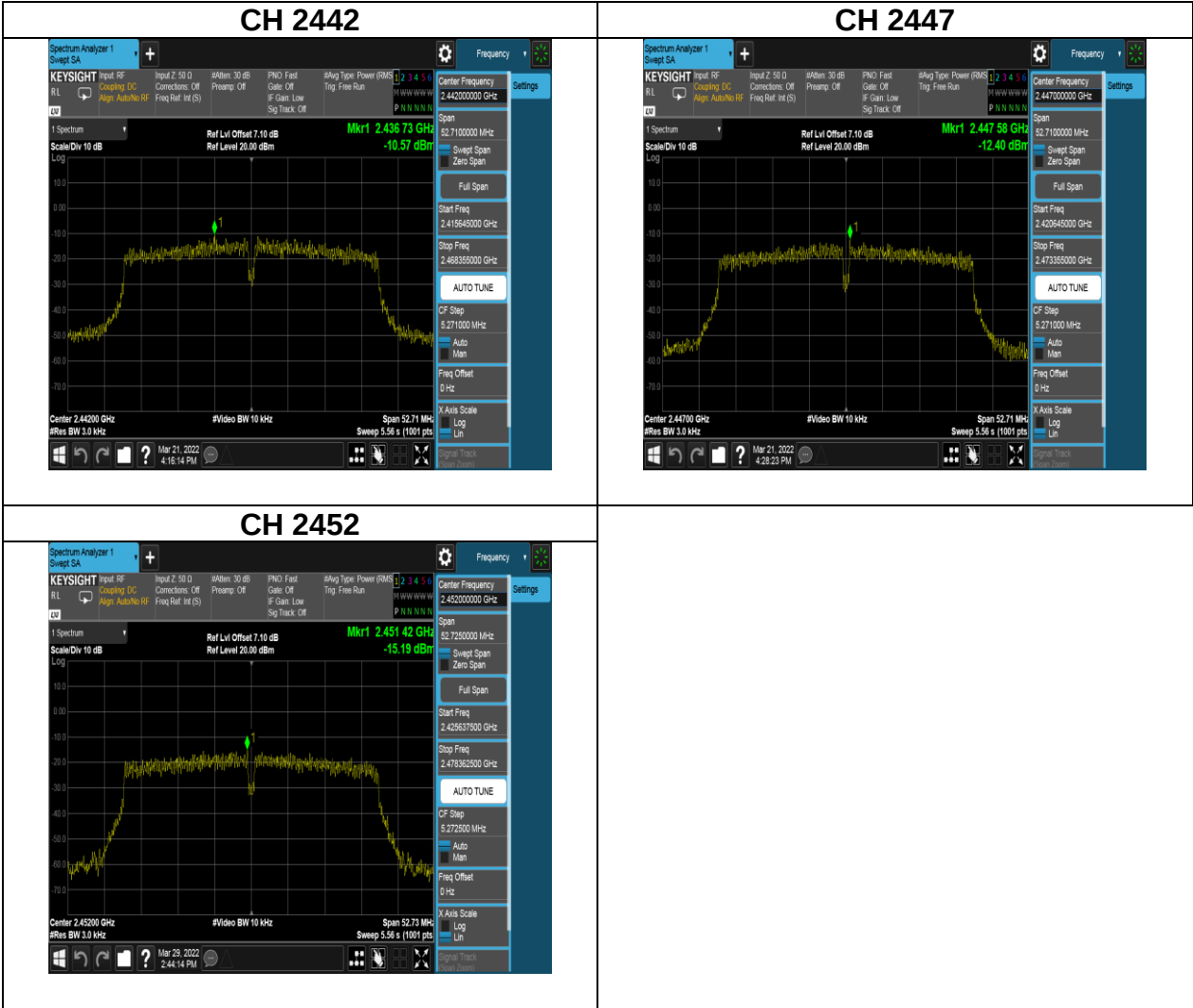


CH 2432



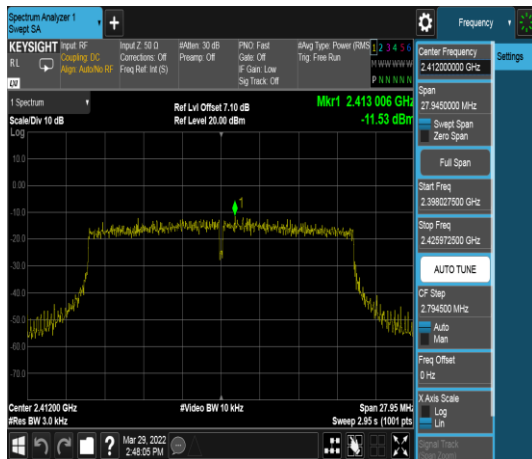
CH 2437



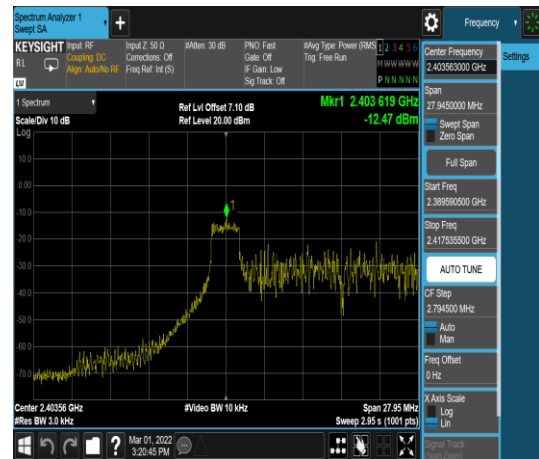


IEEE 802.11 ax (HE20) mode- chain 0

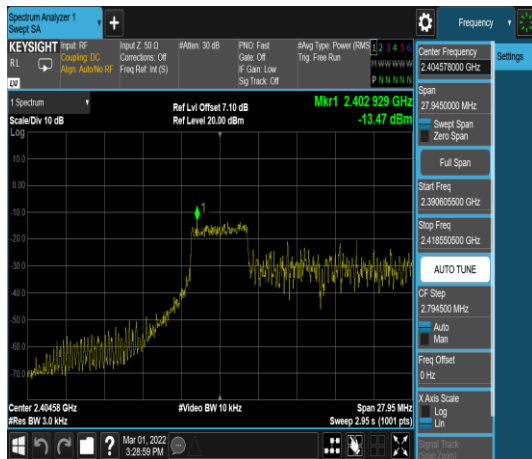
CH 2412 full



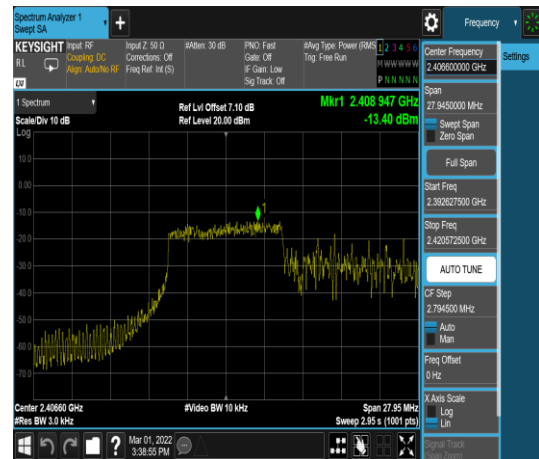
CH 2412 26/0



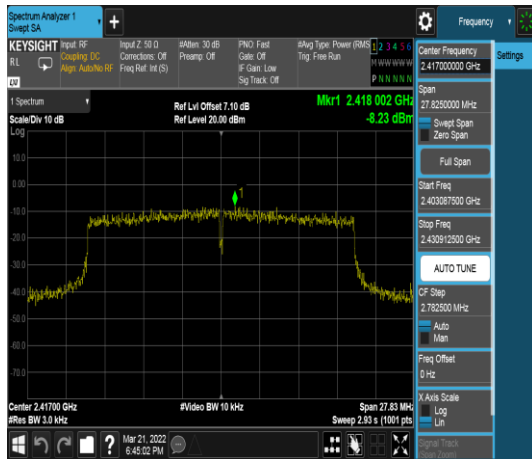
CH 2412 52/37



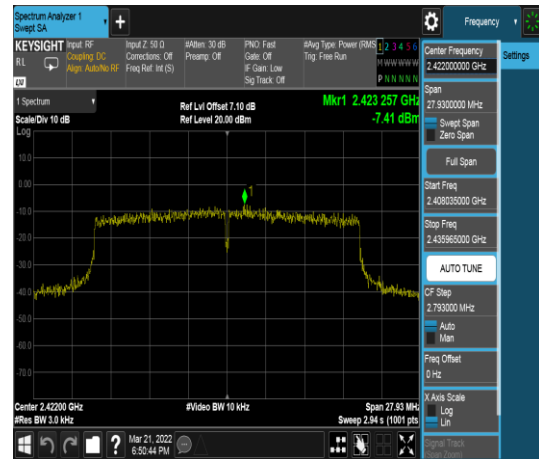
CH 2412 106/53



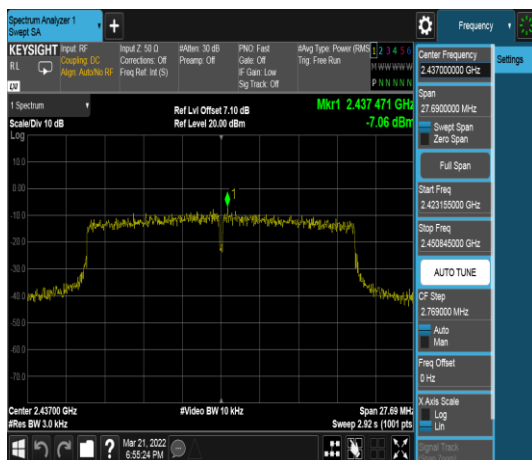
CH 2417
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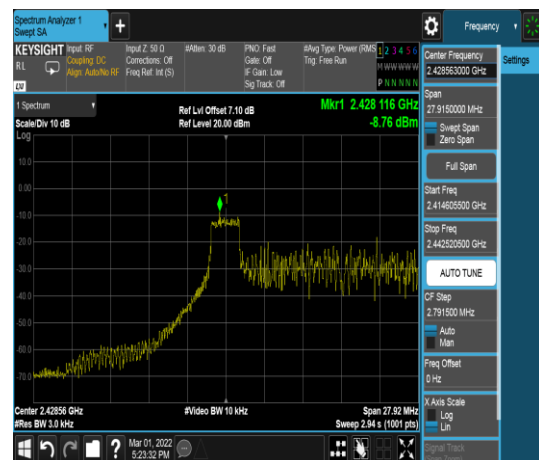
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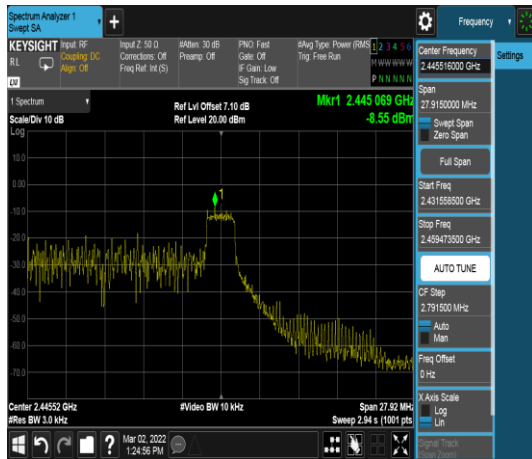
CH 2437
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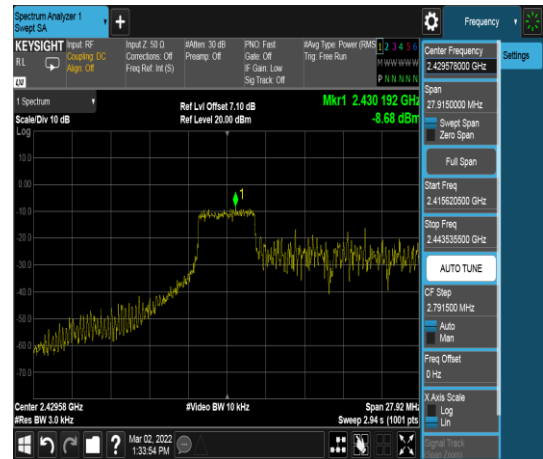
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26/0



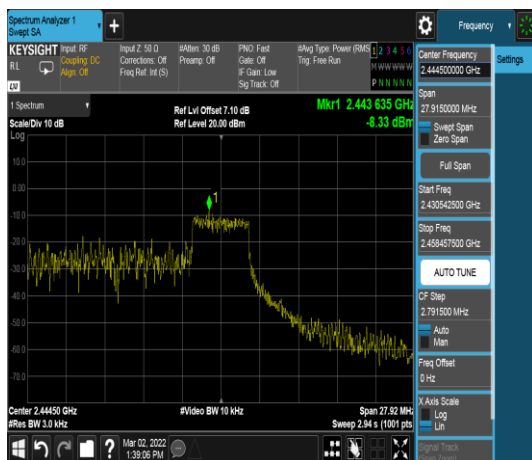
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26/8



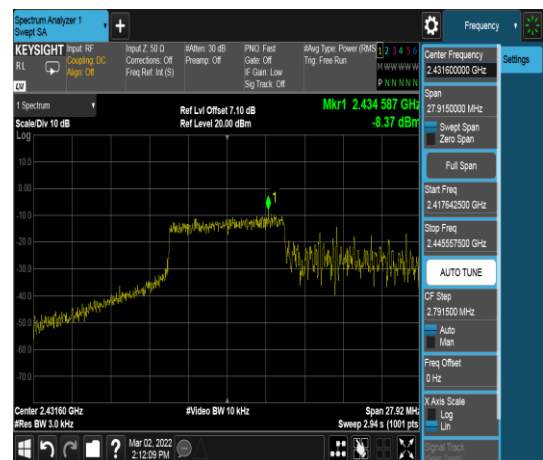
CH 2437
52/37



CH 2437
52/40

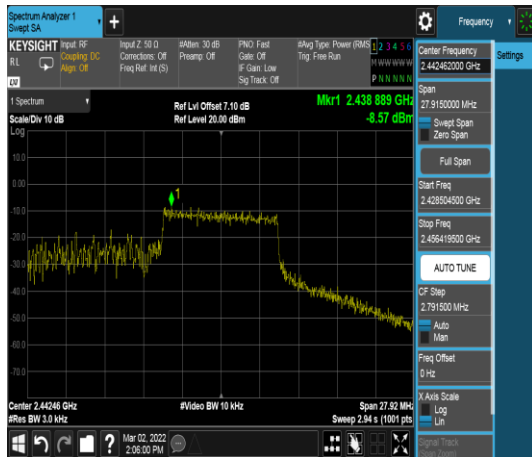


CH 2437
106/53

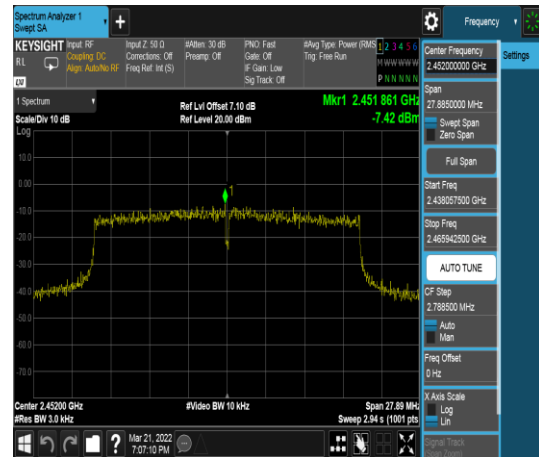


Report No.: TMWK2201000140KR

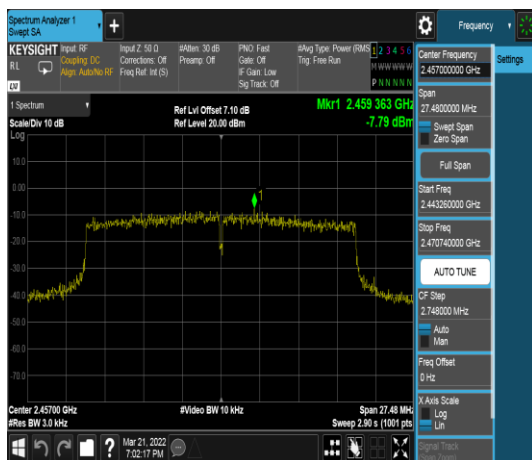
CH 2437
106/54



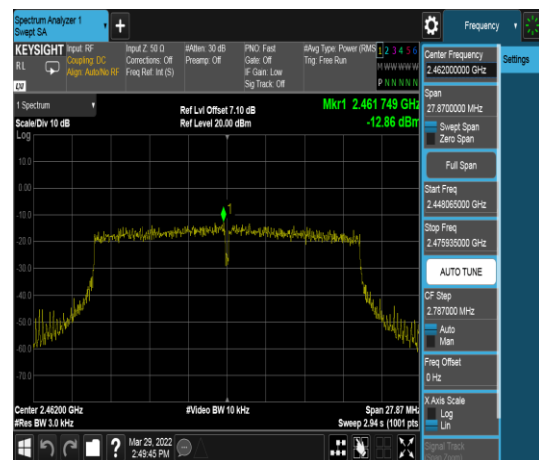
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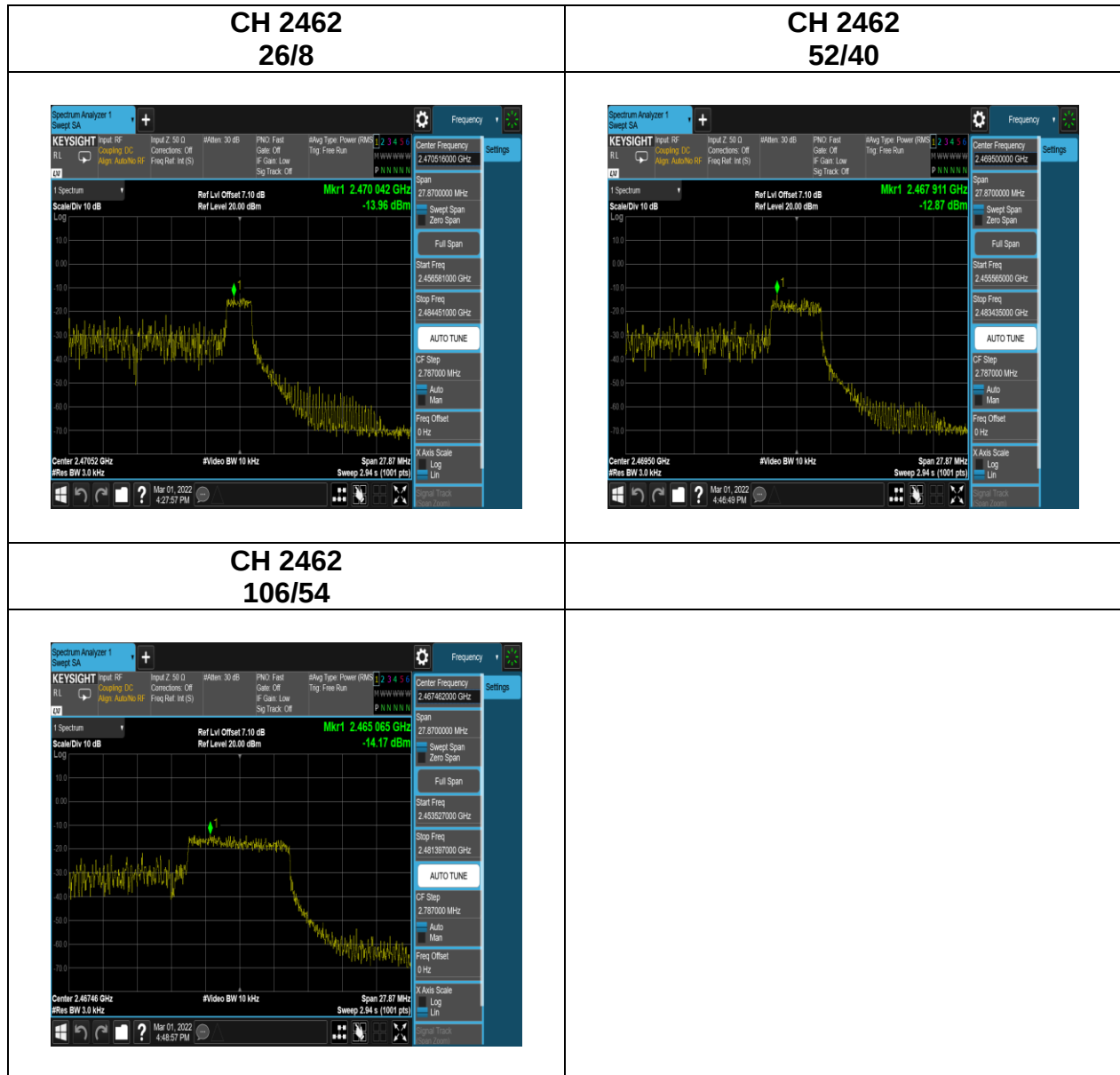
CH 2457
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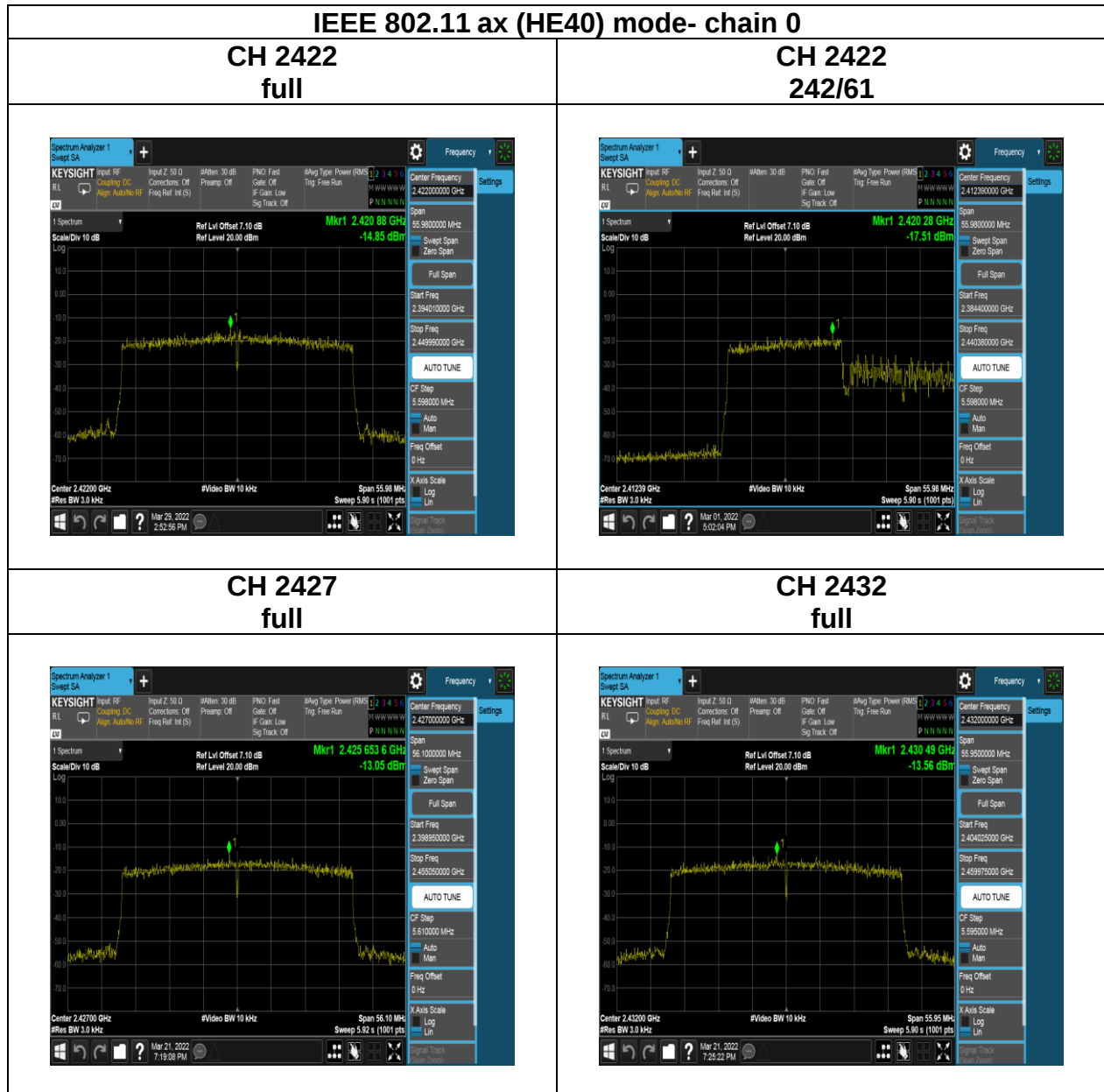


CH 2462
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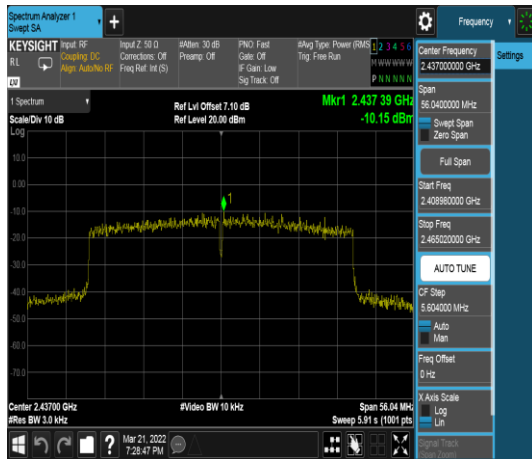


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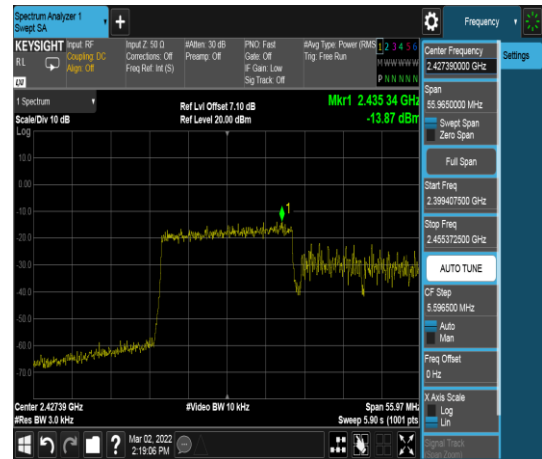




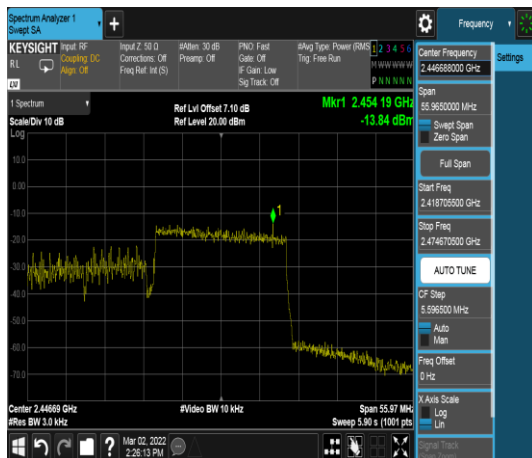
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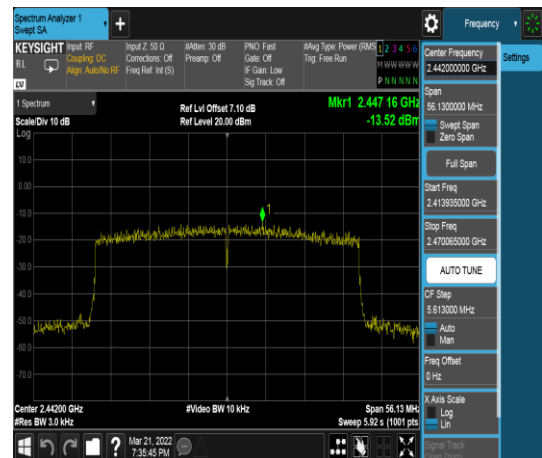
CH 2437 242/61



CH 2437 242/62

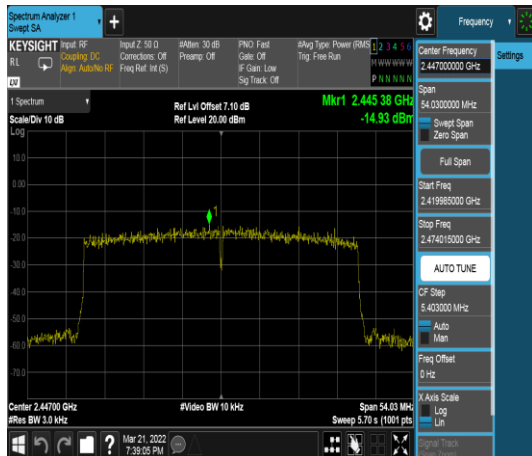


CH 2422 full

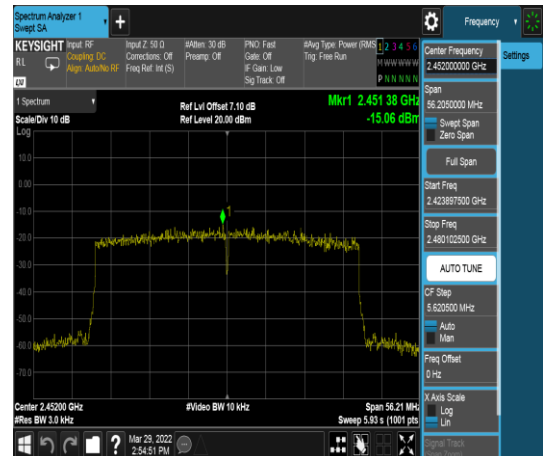


Report No.: TMWK2201000140KR

CH 2447 full



CH 2452 full



CH 2452 242/62

