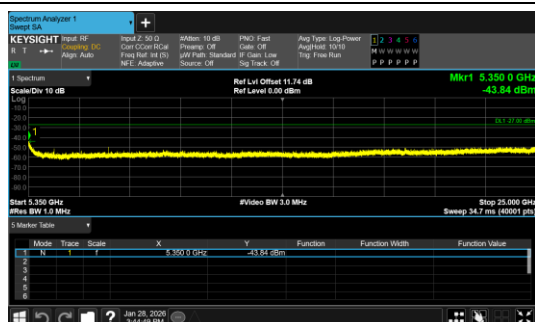
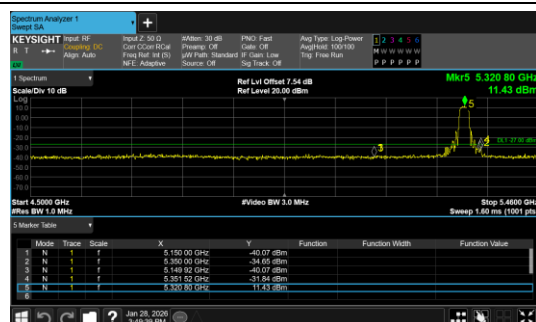
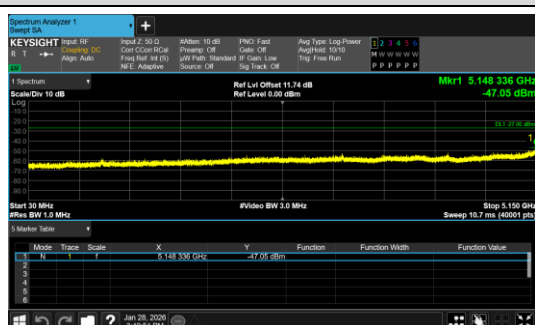




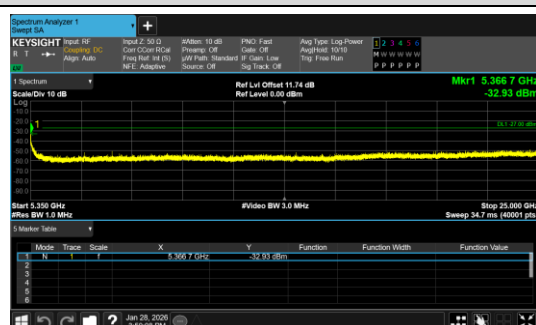
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 56_20MHz_Antenna 0



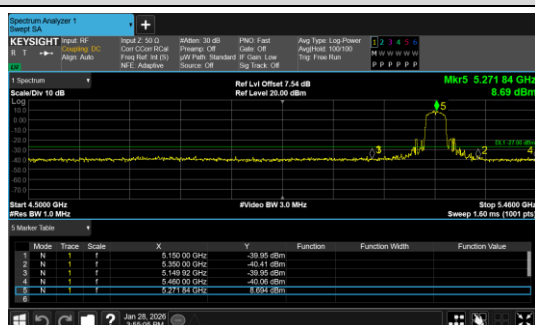
Out Of Band Emission
IEEE 802.11n_Channel 64_20MHz_Antenna 0



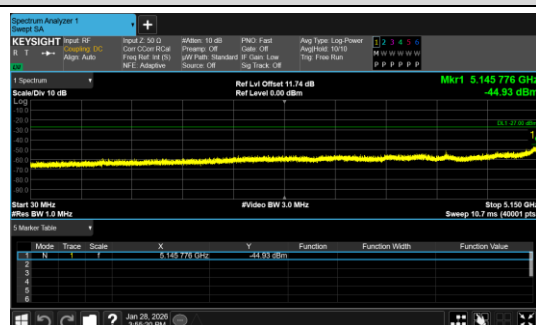
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 64_20MHz_Antenna 0



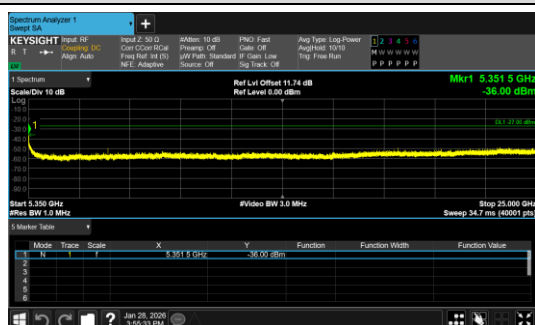
Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 64_20MHz_Antenna 0



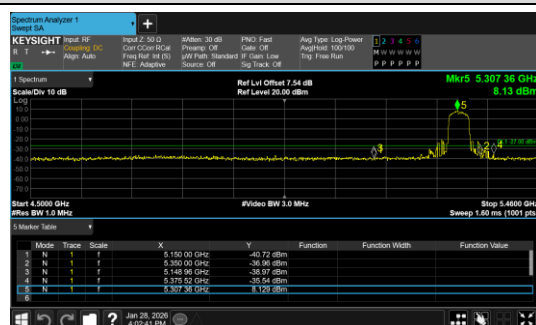
Out Of Band Emission
IEEE 802.11n_Channel 54_40MHz_Antenna 0



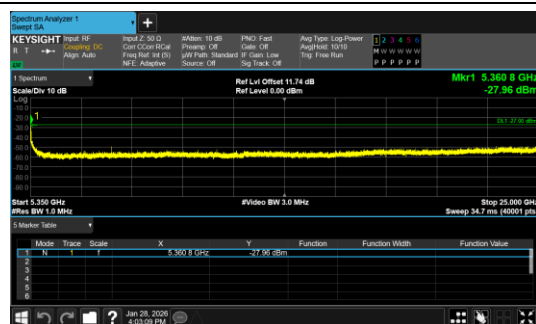
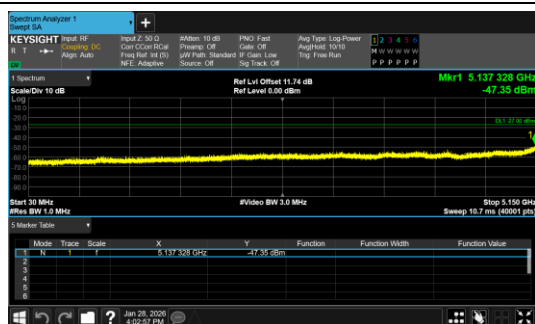
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 54_40MHz_Antenna 0



Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 54_40MHz_Antenna 0

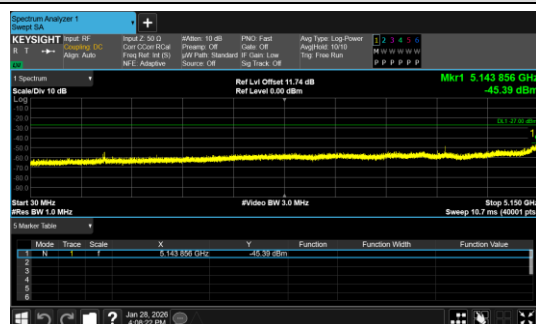
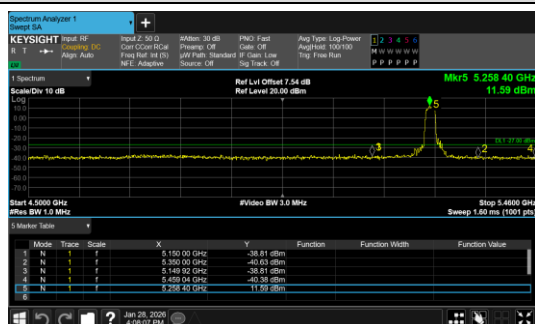


Out Of Band Emission
IEEE 802.11n_Channel 62_40MHz_Antenna 0



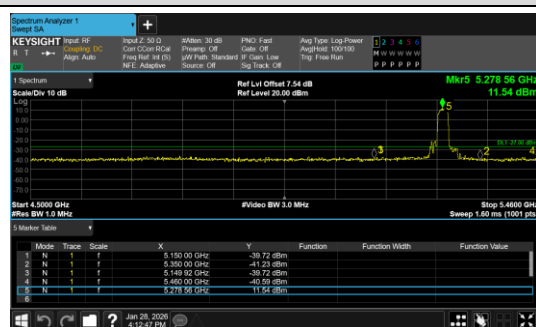
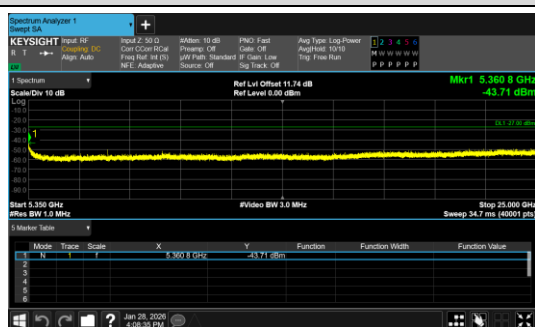
Spurious Emission:30.0~5150 MHz
IEEE 802.11n_Channel 62_40MHz_Antenna 0

Spurious Emission:5350~25000.0 MHz
IEEE 802.11n_Channel 62_40MHz_Antenna 0



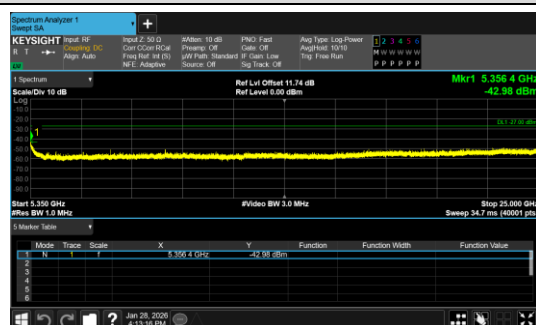
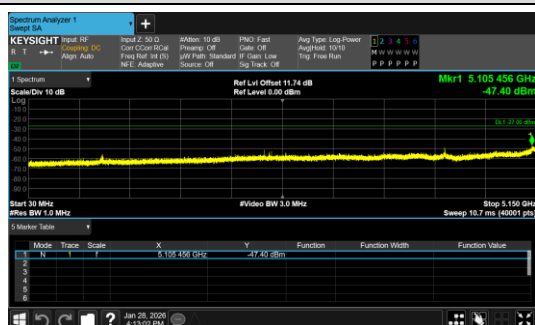
Out Of Band Emission
IEEE 802.11ac_Channel 52_20MHz_Antenna 0

Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



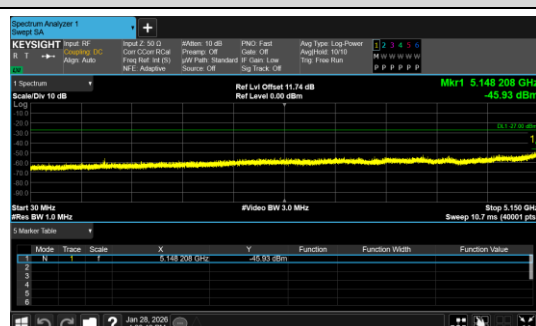
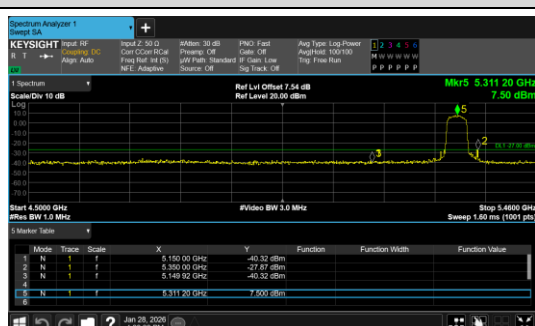
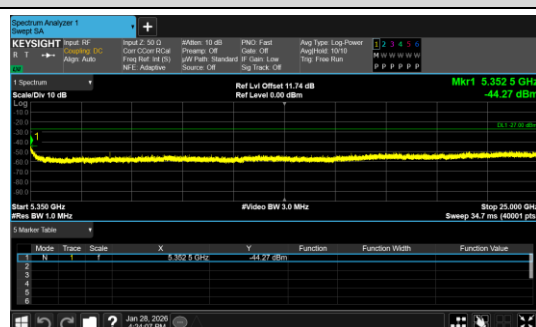
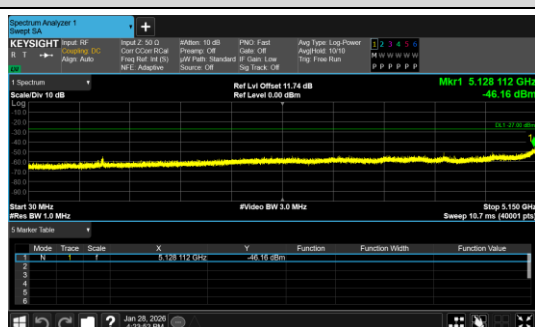
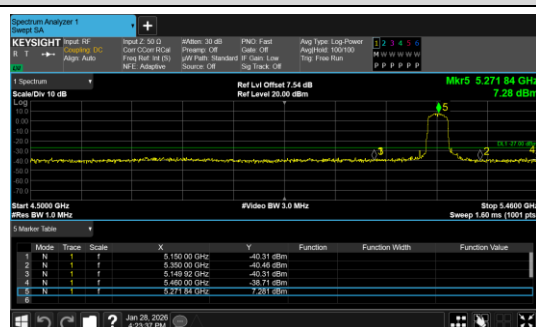
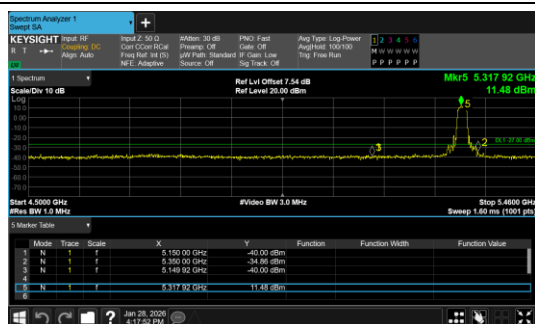
Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 52_20MHz_Antenna 0

Out Of Band Emission
IEEE 802.11ac_Channel 56_20MHz_Antenna 0



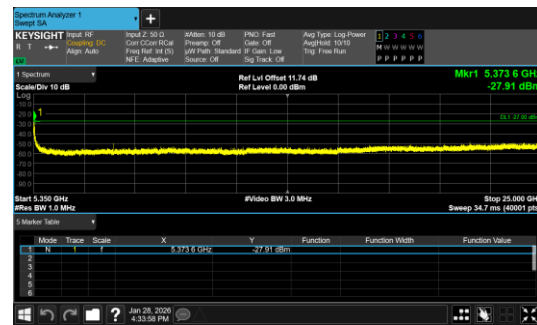
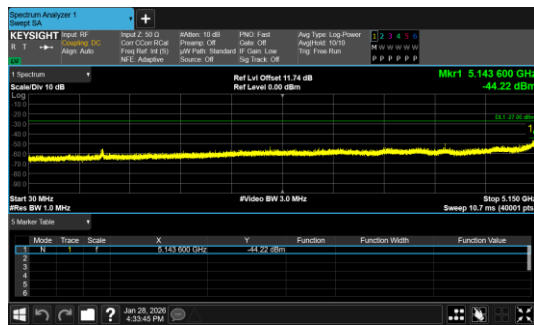
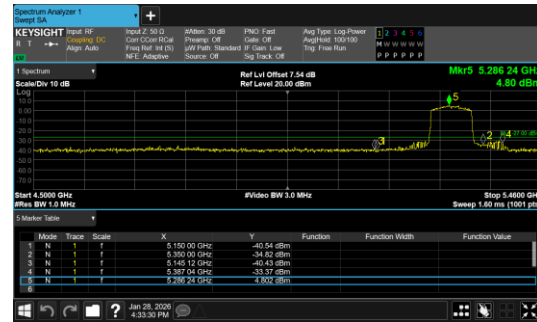
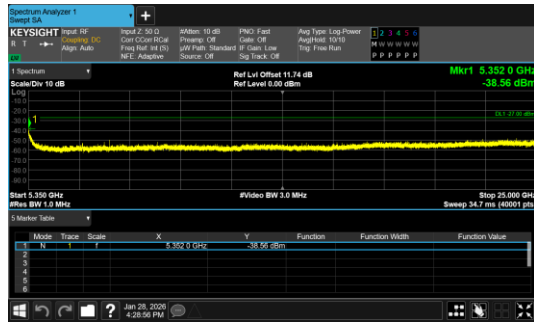
Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 56_20MHz_Antenna 0

Spurious Emission:5350~25000.0 MHz
IEEE 802.11ac_Channel 56_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11ac_Channel 62_40MHz_Antenna 0

Spurious Emission:30.0~5150 MHz
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



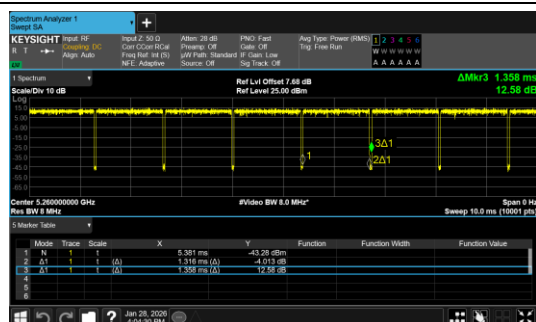
Duty Cycle

Test Result

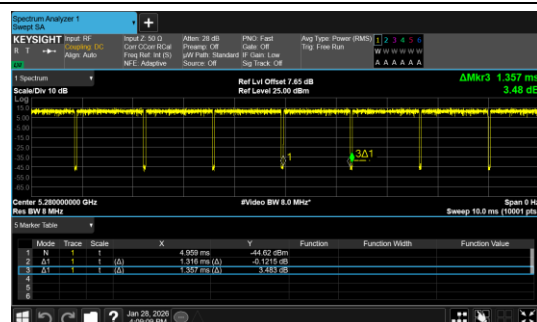
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	52	1	1.396	1.438	97.08	0.9708	0.1287	0.7163
		56		1.396	1.438	97.08	0.9708	0.1287	0.7163
		64		1.396	1.438	97.08	0.9708	0.1287	0.7163
IEEE 802.11n_20	52	1.302		1.345	96.84	0.9684	0.1395	0.7680	
	56	1.304		1.346	96.88	0.9688	0.1377	0.7669	
	64	1.304		1.346	96.88	0.9688	0.1377	0.7669	
IEEE 802.11n_40	54	0.650		0.692	93.84	0.9384	0.2761	1.5385	
	62	0.650		0.692	93.90	0.9390	0.2733	1.5385	
IEEE 802.11ac_20	MCS 0	52		1.316	1.358	96.91	0.9691	0.1363	0.7599
		56		1.316	1.357	96.98	0.9698	0.1332	0.7599
		64		1.315	1.357	96.92	0.9692	0.1359	0.7605
IEEE 802.11ac_40		54		0.654	0.697	93.88	0.9388	0.2743	1.5291
		62		0.654	0.697	93.88	0.9388	0.2743	1.5291
IEEE 802.11ac_80		58		0.325	0.369	88.26	0.8826	0.5424	3.0769

Test Graphs

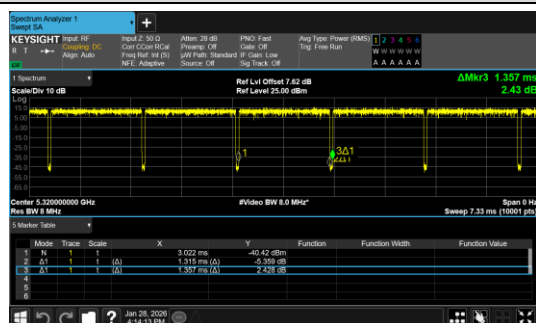




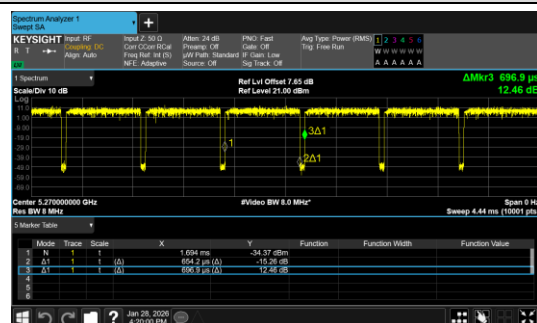
IEEE 802.11ac 20MHz_Channel 52



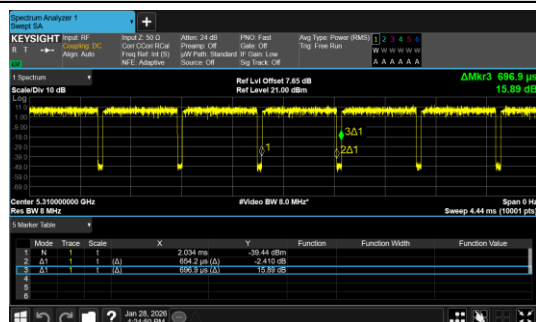
IEEE 802.11ac 20MHz_Channel 56



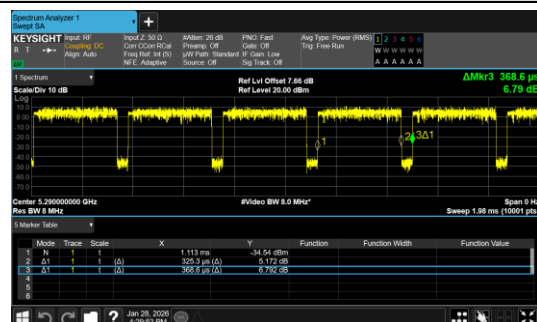
IEEE 802.11ac 20MHz_Channel 64



IEEE 802.11ac 40MHz_Channel 54



IEEE 802.11ac 40MHz_Channel 62



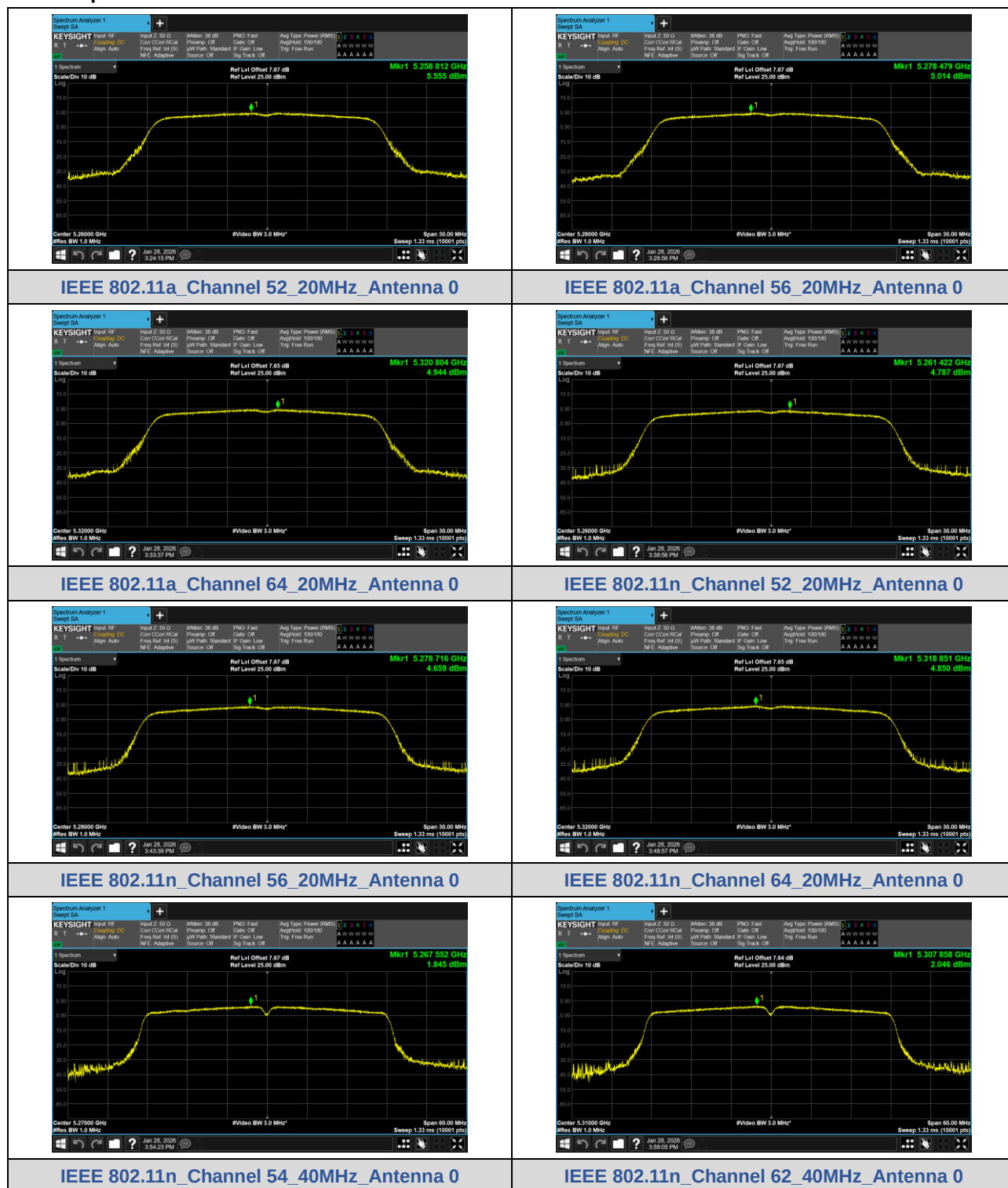
IEEE 802.11ac 80MHz_Channel 58

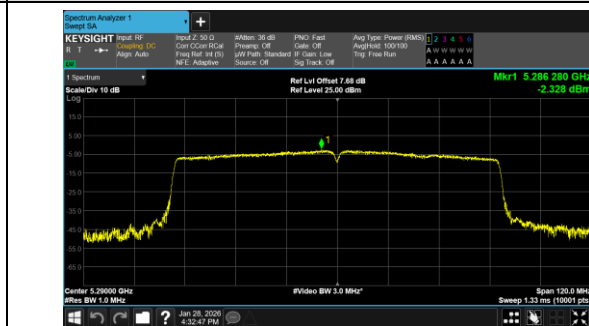
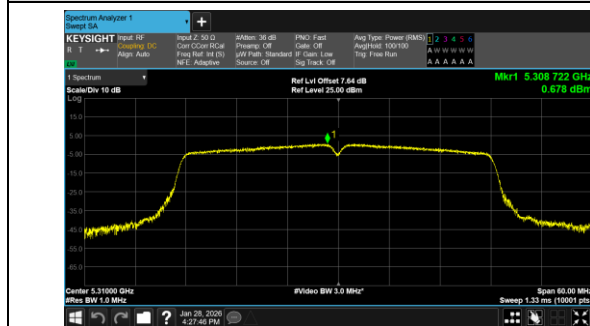
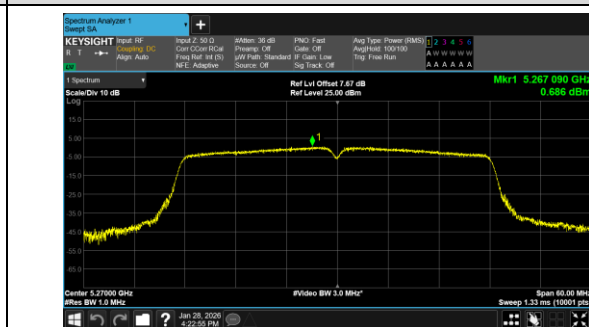
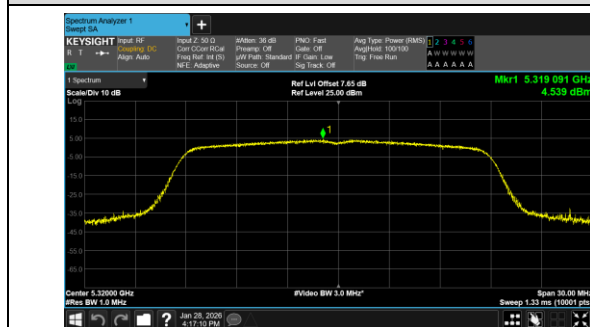
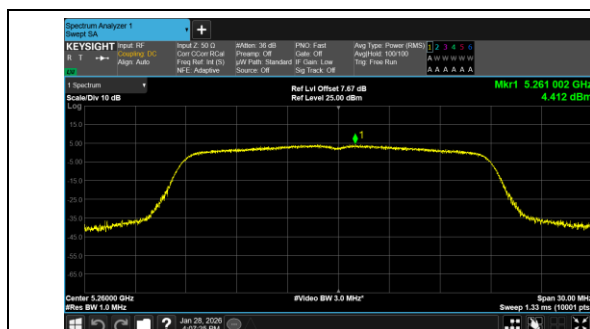
Power Spectral Density

Test Result

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz)	Ant. 0 Corr'd PSD (dBm/MHz)	Limit (dBm/MHz)	Result
IEEE 802.11a	52	5.555	5.684	11	PASS
	56	5.014	5.143		PASS
	64	4.944	5.073		PASS
IEEE 802.11n_20	52	4.787	4.921		PASS
	56	4.659	4.793		PASS
	64	4.850	4.984		PASS
IEEE 802.11n_40	54	1.845	2.121		PASS
	62	2.046	2.322		PASS
IEEE 802.11ac_20	52	4.412	4.55		PASS
	56	4.715	4.853		PASS
	64	4.539	4.677		PASS
IEEE 802.11ac_40	54	0.686	0.961		PASS
	62	0.678	0.953		PASS
IEEE 802.11ac_80	58	-2.328	-1.786		PASS

Test Graphs





5.6G WIFI

Conducted Output Power

Conducted output power

Mode	Channel	Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	100	13.48	13.61	23.97	PASS
	120	13.45	13.58	24.00	PASS
	140	13.46	13.59	23.92	PASS
IEEE 802.11n_20	100	13.13	13.26	24.00	PASS
	120	13.07	13.2	24.00	PASS
	140	13.13	13.26	23.95	PASS
IEEE 802.11n_40	102	15.10	15.38	24.00	PASS
	118	15.06	15.33	24.00	PASS
	134	15.11	15.39	24.00	PASS
IEEE 802.11ac_20	100	13.15	13.29	24.00	PASS
	120	13.10	13.23	24.00	PASS
	140	13.19	13.32	24.00	PASS
IEEE 802.11ac_40	102	15.10	15.37	24.00	PASS
	118	14.57	14.84	24.00	PASS
	134	14.94	15.22	24.00	PASS
IEEE 802.11ac_80	106	14.40	14.94	24.00	PASS
	122	13.51	14.05	24.00	PASS
Note: Corrected Value = Antenna Power + Duty Cycle Factor.					

ISED EIRP

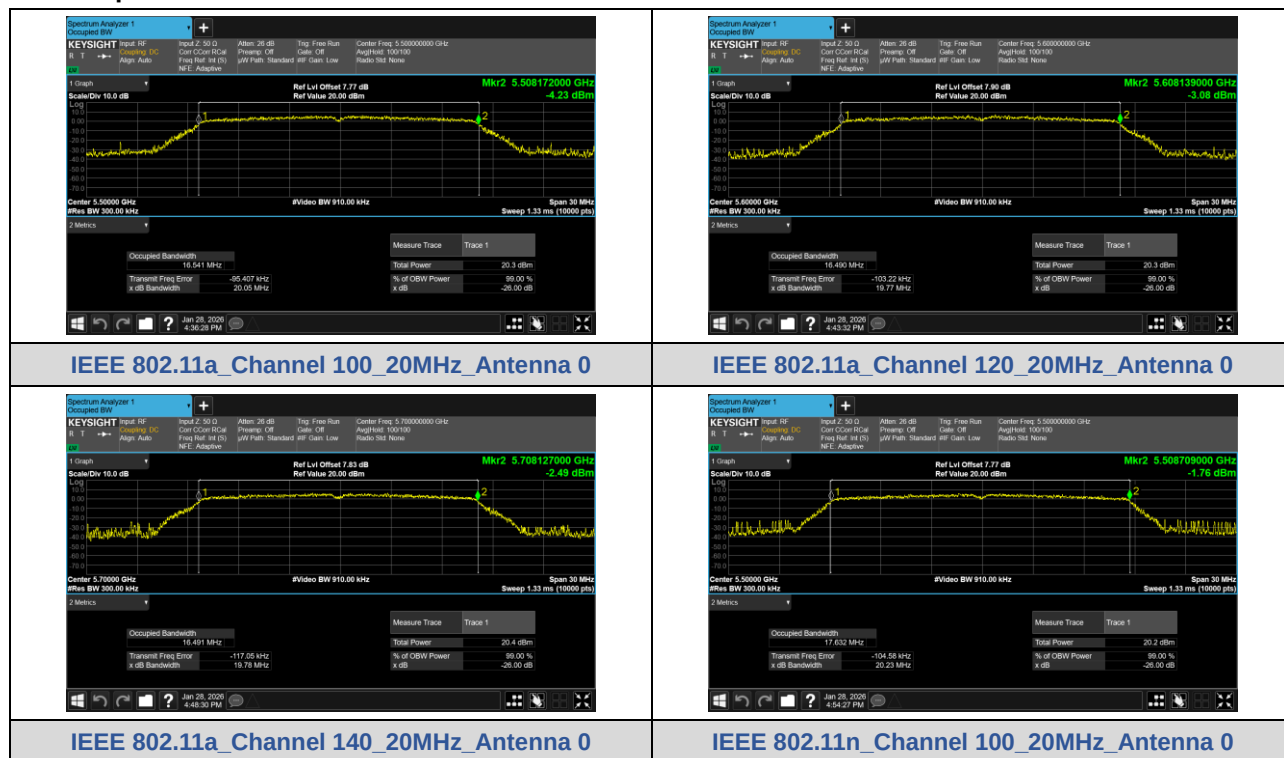
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	100	13.61	≤27	PASS
	120	13.58	≤27	PASS
	140	13.59	≤27	PASS
IEEE 802.11n_20	100	13.26	≤27	PASS
	120	13.2	≤27	PASS
	140	13.26	≤27	PASS
IEEE 802.11n_40	102	15.38	≤27	PASS
	118	15.33	≤27	PASS
	134	15.39	≤27	PASS
IEEE 802.11ac_20	100	13.29	≤27	PASS
	120	13.23	≤27	PASS
	140	13.32	≤27	PASS
IEEE 802.11ac_40	102	15.37	≤27	PASS
	118	14.84	≤27	PASS
	134	15.22	≤27	PASS
IEEE 802.11ac_80	106	14.94	≤27	PASS
	122	14.05	≤27	PASS

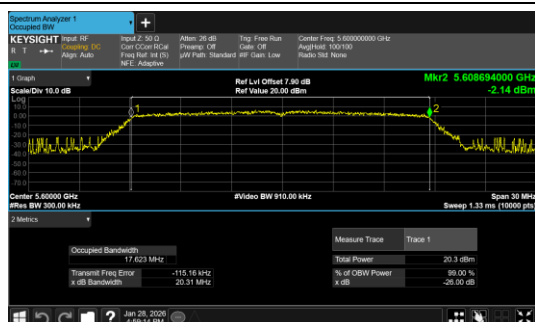
99% Bandwidth

Test Result

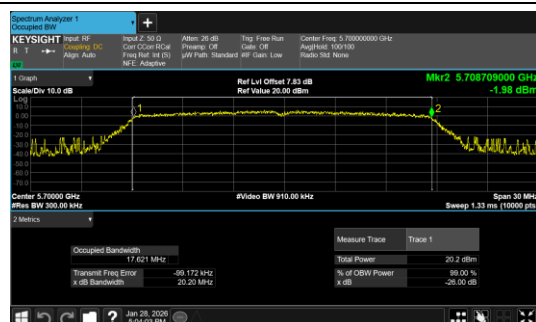
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	100	0	5500	16.541
	120		5600	16.490
	140		5700	16.491
IEEE 802.11n_20	100		5500	17.632
	120		5600	17.623
	140		5700	17.621
IEEE 802.11n_40	102		5510	35.956
	118		5590	36.035
	134		5670	36.010
IEEE 802.11ac_20	100		5500	17.616
	120		5600	17.601
	140		5700	17.611
IEEE 802.11ac_40	102		5510	35.914
	118		5590	36.006
	134		5670	35.951
IEEE 802.11ac_80	106		5530	75.293
	122		5610	75.261

Test Graphs

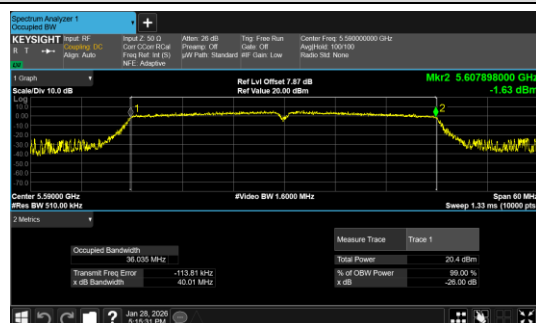




IEEE 802.11n Channel 120 20MHz Antenna 0

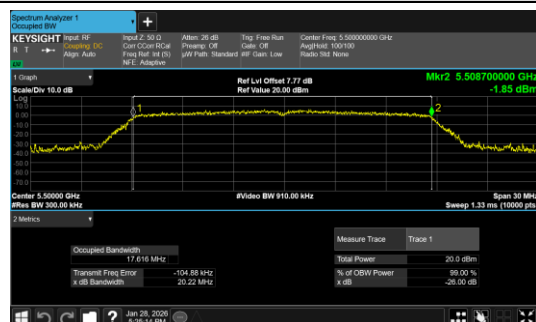
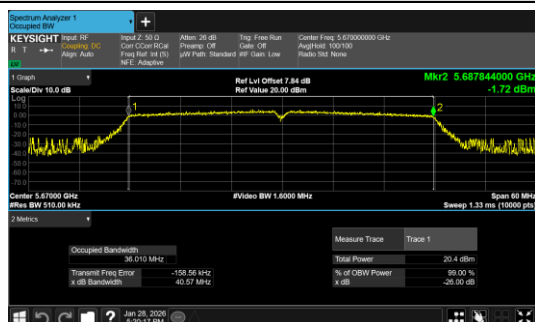


IEEE 802.11n Channel 140 20MHz Antenna 0



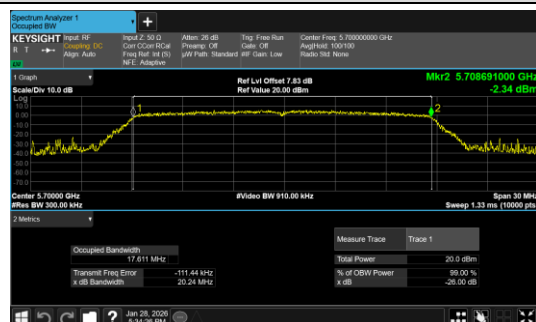
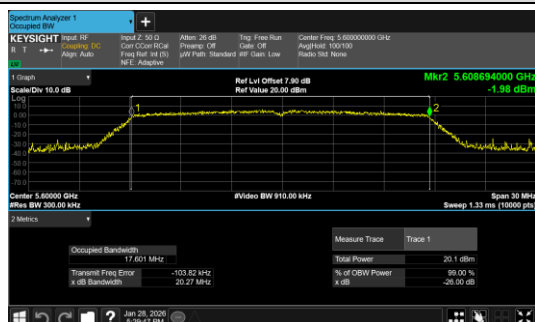
IEEE 802.11n Channel 102 40MHz Antenna 0

IEEE 802.11n Channel 118 40MHz Antenna 0



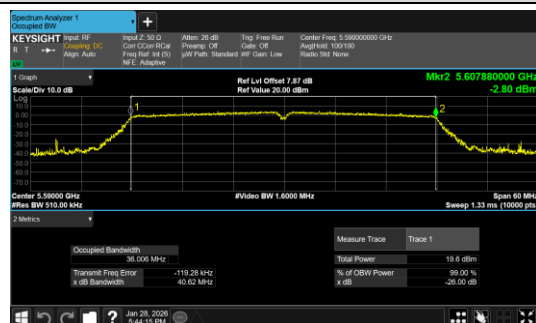
IEEE 802.11n Channel 134 40MHz Antenna 0

IEEE 802.11ac Channel 100 20MHz Antenna 0

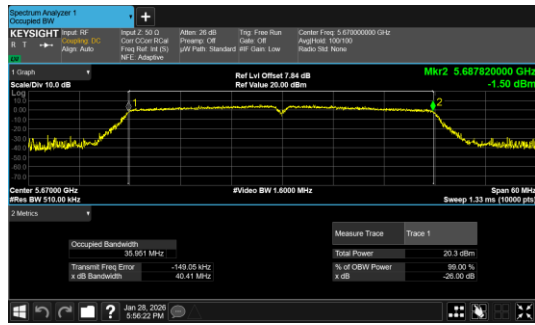


IEEE 802.11ac Channel 120 20MHz Antenna 0

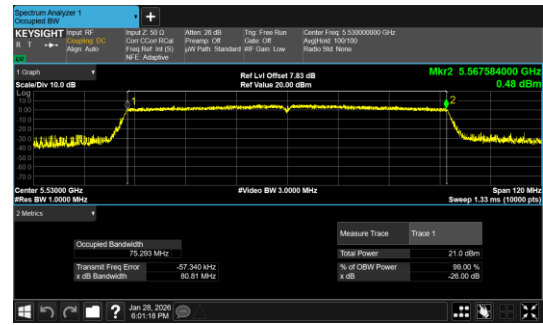
IEEE 802.11ac Channel 140 20MHz Antenna 0



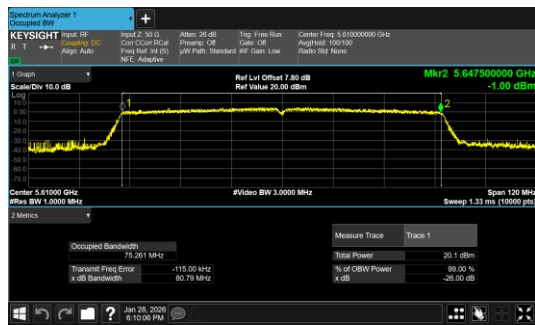
IEEE 802.11ac_Channel 102_40MHz_Antenna 0



IEEE 802.11ac_Channel 118_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 106_80MHz_Antenna 0

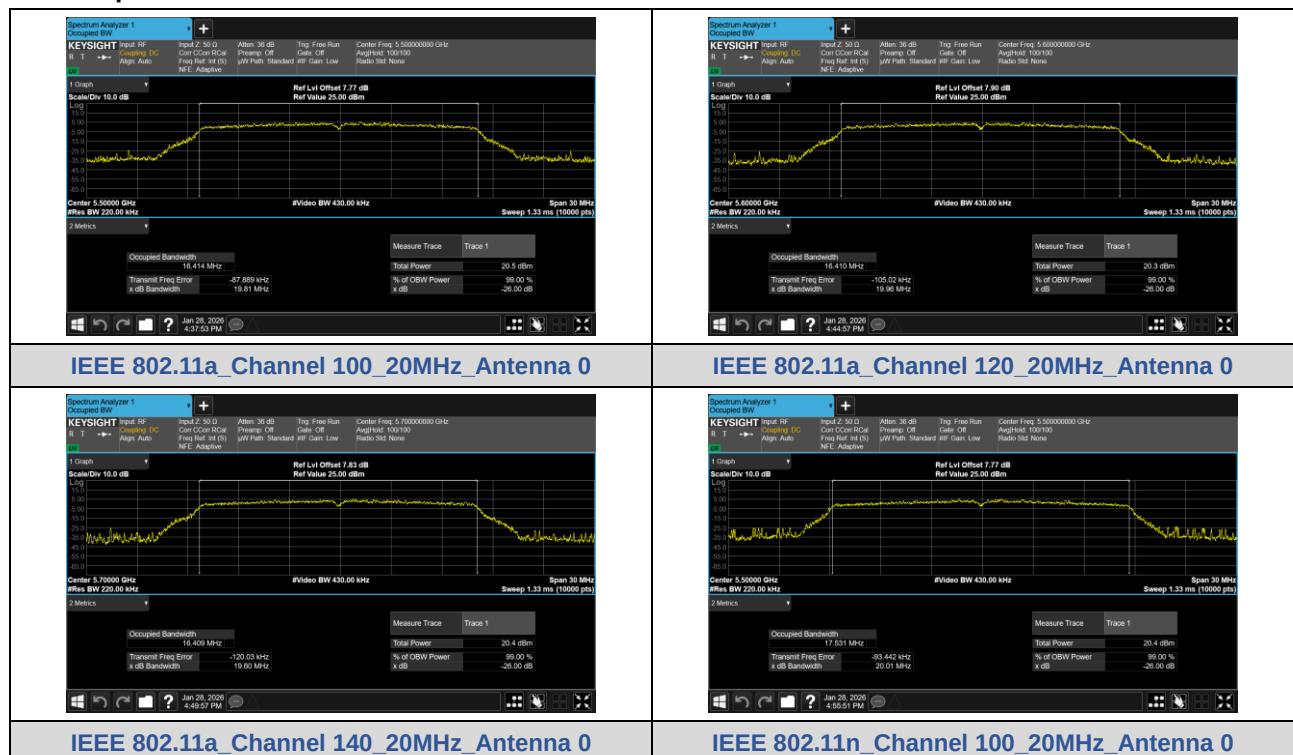
IEEE 802.11ac_Channel 122_80MHz_Antenna 0

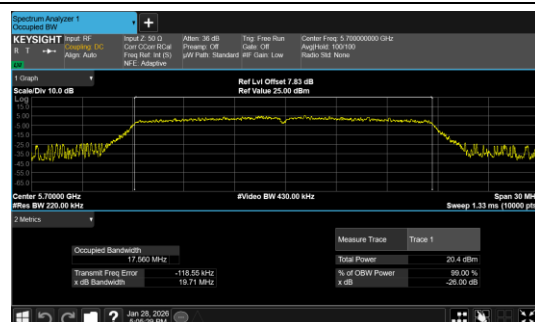
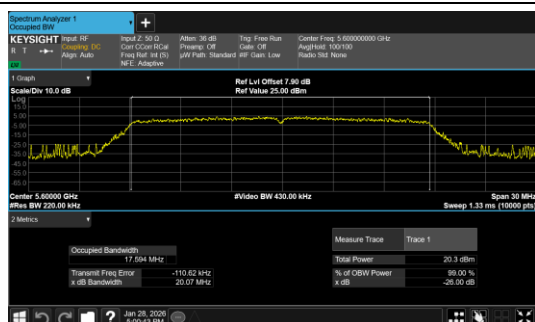
26dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	100	0	5500	19.81	1.1
	120		5600	19.96	1.11
	140		5700	19.60	1.12
IEEE 802.11n_20	100		5500	20.01	1.12
	120		5600	20.07	1.11
	140		5700	19.71	1.12
IEEE 802.11n_40	102		5510	40.80	1.04
	118		5590	40.22	1.06
	134		5670	40.12	1.05
IEEE 802.11ac_20	100		5500	20.11	1.11
	120		5600	20.06	1.12
	140		5700	20.28	1.1
IEEE 802.11ac_40	102		5510	40.52	1.06
	118		5590	39.97	1.06
	134		5670	40.33	1.05
IEEE 802.11ac_80	106		5530	80.35	1.03
	122		5610	80.51	1.03

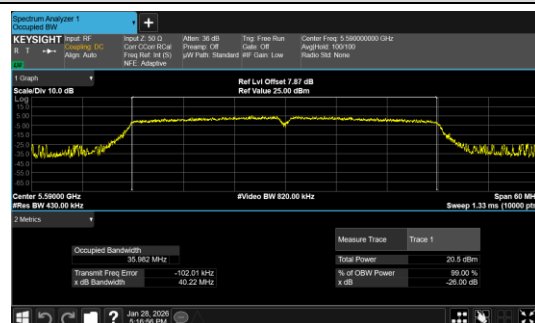
Test Graphs





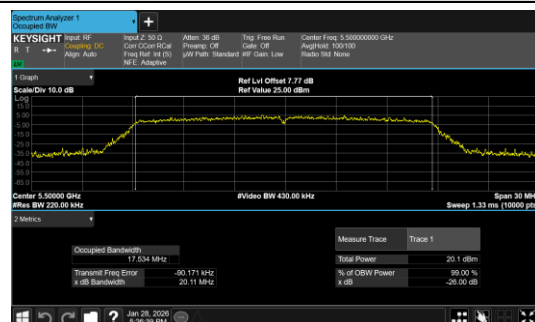
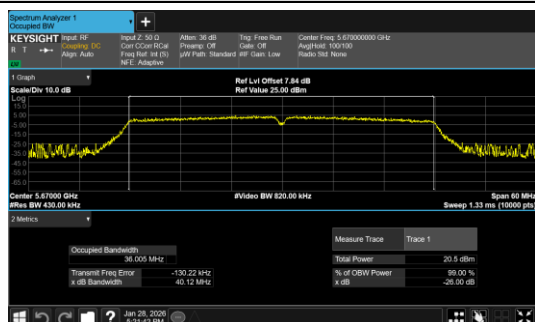
IEEE 802.11n Channel 120 20MHz Antenna 0

IEEE 802.11n Channel 140 20MHz Antenna 0



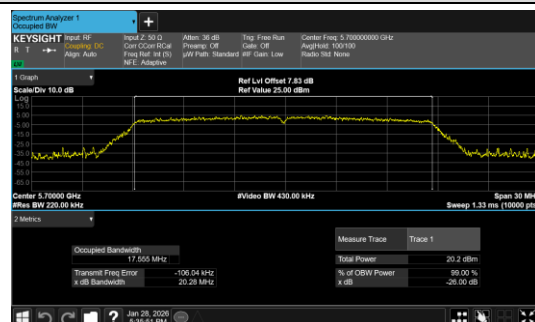
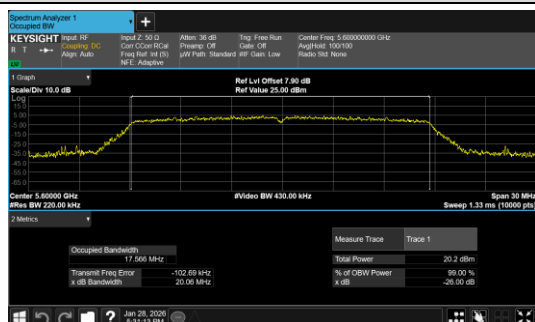
IEEE 802.11n Channel 102 40MHz Antenna 0

IEEE 802.11n Channel 118 40MHz Antenna 0



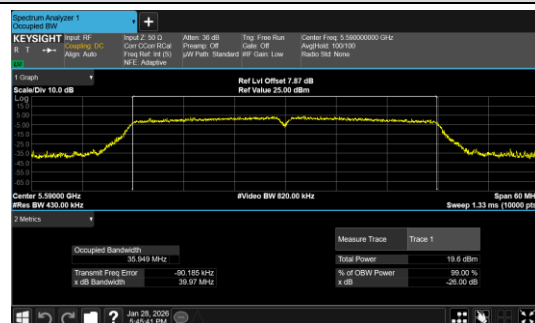
IEEE 802.11n Channel 134 40MHz Antenna 0

IEEE 802.11ac Channel 100 20MHz Antenna 0

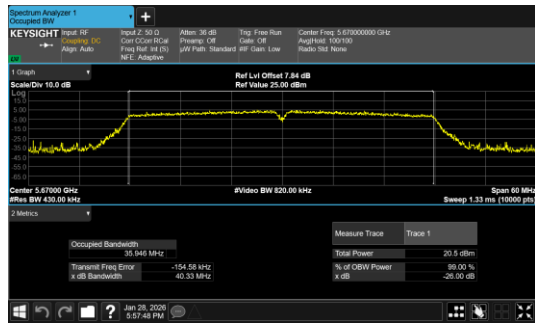


IEEE 802.11ac Channel 120 20MHz Antenna 0

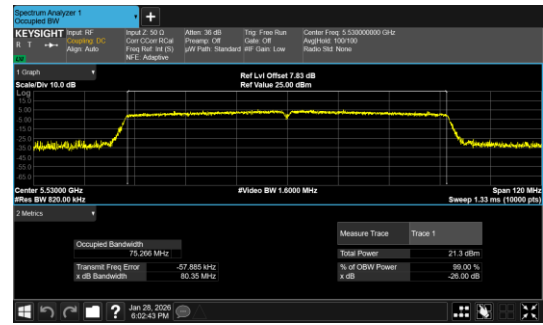
IEEE 802.11ac Channel 140 20MHz Antenna 0



IEEE 802.11ac_Channel 102_40MHz_Antenna 0



IEEE 802.11ac_Channel 118_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 106_80MHz_Antenna 0

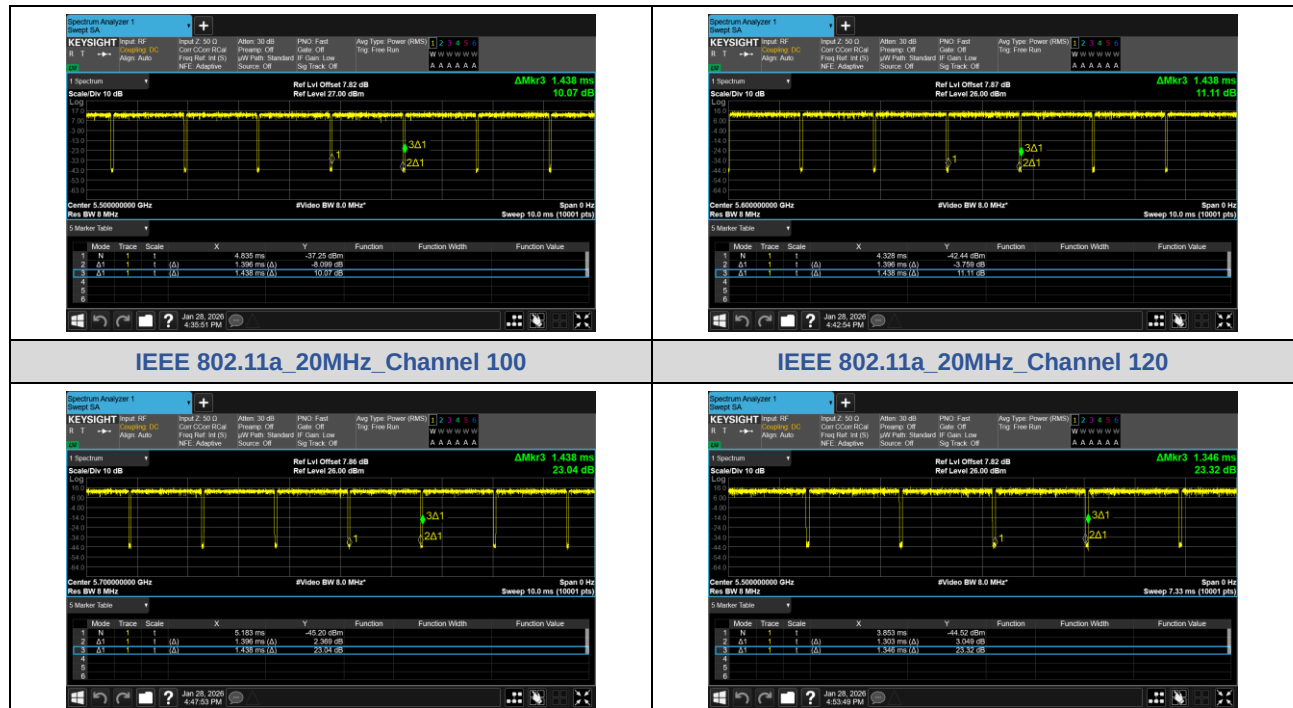
IEEE 802.11ac_Channel 122_80MHz_Antenna 0

Duty Cycle

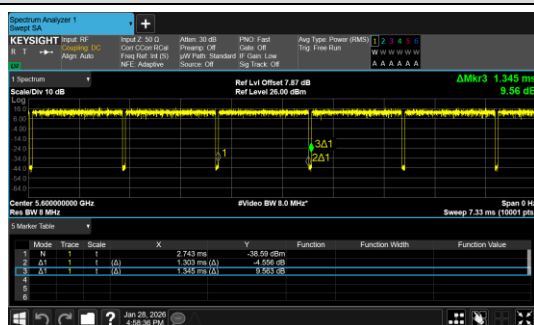
Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11a	6	100	1	1.396	1.438	97.08	0.9708	0.1287	0.7163
		120		1.396	1.438	97.08	0.9708	0.1287	0.7163
		140		1.396	1.438	97.08	0.9708	0.1287	0.7163
IEEE 802.11n_20		100		1.303	1.346	96.84	0.9684	0.1395	0.7675
		120		1.303	1.345	96.89	0.9689	0.1372	0.7675
		140		1.304	1.345	96.95	0.9695	0.1345	0.7669
IEEE 802.11n_40		102		0.650	0.692	93.90	0.9390	0.2733	1.5385
		118		0.650	0.693	93.84	0.9384	0.2761	1.5385
		134		0.650	0.693	93.84	0.9384	0.2761	1.5385
IEEE 802.11ac_20	MCS 0	100		1.316	1.357	96.98	0.9698	0.1332	0.7599
		120		1.315	1.357	96.87	0.9687	0.1381	0.7605
		140		1.315	1.357	96.87	0.9687	0.1381	0.7605
IEEE 802.11ac_40		102		0.654	0.696	93.94	0.9394	0.2715	1.5291
		118		0.654	0.696	93.87	0.9387	0.2747	1.5291
		134		0.654	0.696	93.87	0.9387	0.2747	1.5291
IEEE 802.11ac_80		106		0.325	0.369	88.21	0.8821	0.5448	3.0769
		122		0.325	0.369	88.26	0.8826	0.5424	3.0769

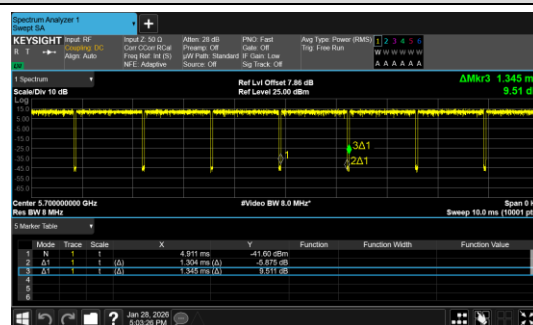
Test Graphs



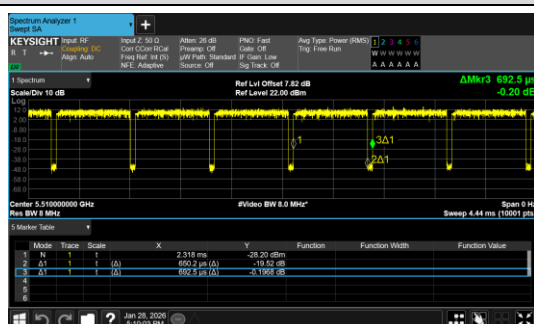
IEEE 802.11a_20MHz_Channel 140



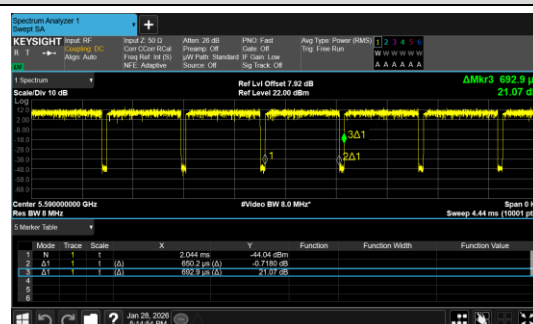
IEEE 802.11n_20MHz_Channel 100



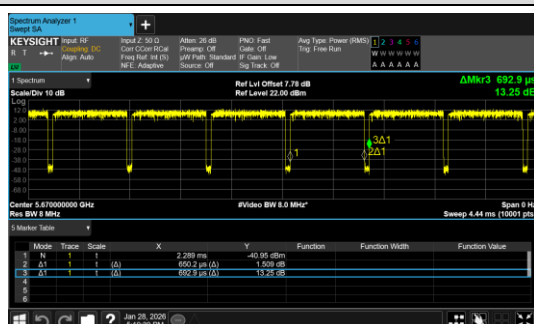
IEEE 802.11n_20MHz_Channel 120



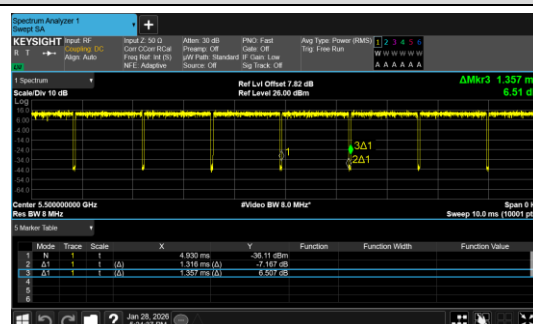
IEEE 802.11n_20MHz_Channel 140



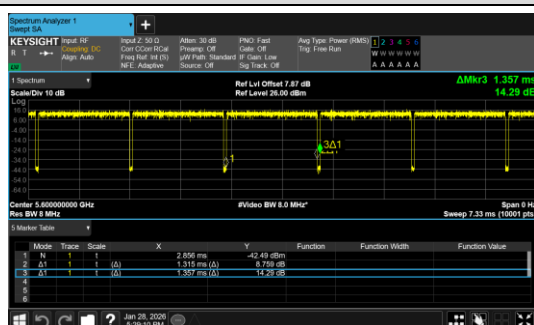
IEEE 802.11n_40MHz_Channel 102



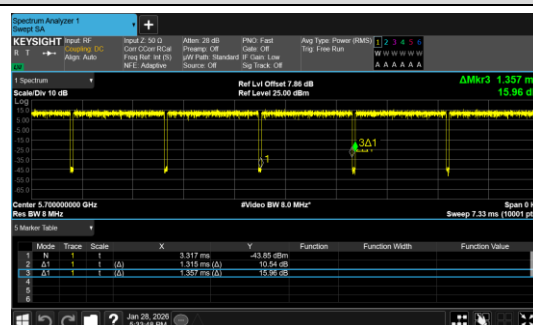
IEEE 802.11n_40MHz_Channel 118



IEEE 802.11n_40MHz_Channel 134



IEEE 802.11ac_20MHz_Channel 100



IEEE 802.11ac_20MHz_Channel 120



IEEE 802.11ac_20MHz_Channel 140

