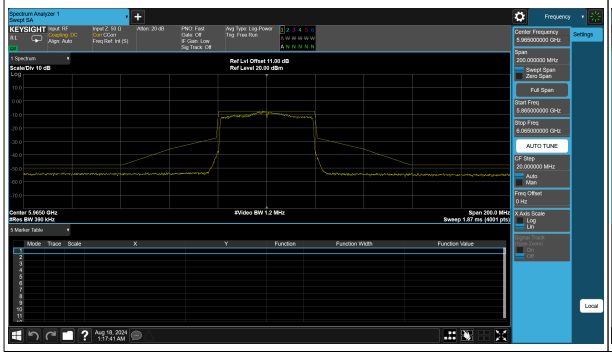
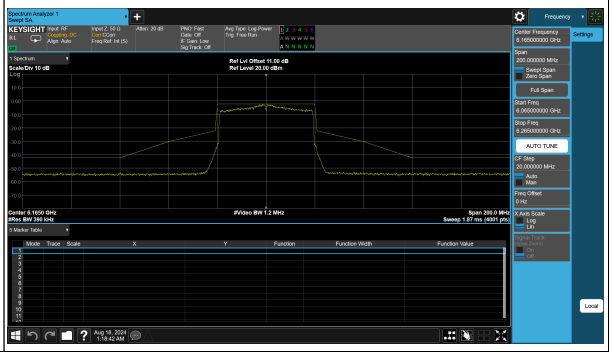
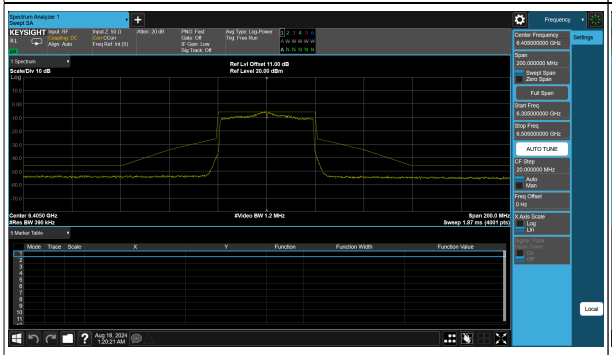
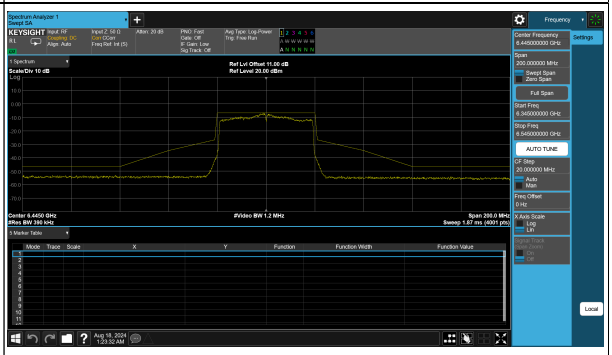
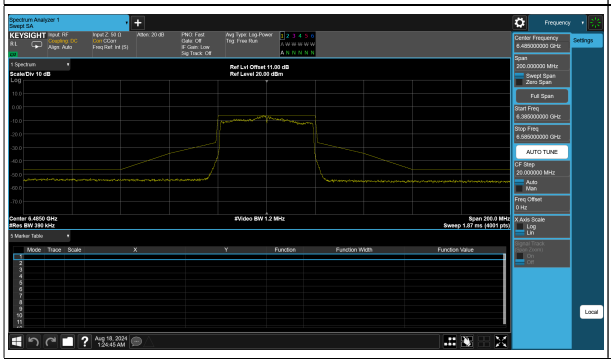
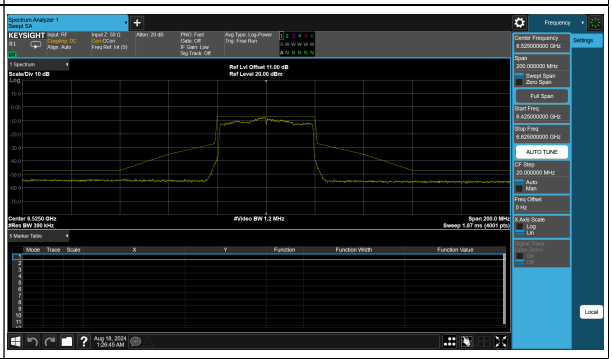
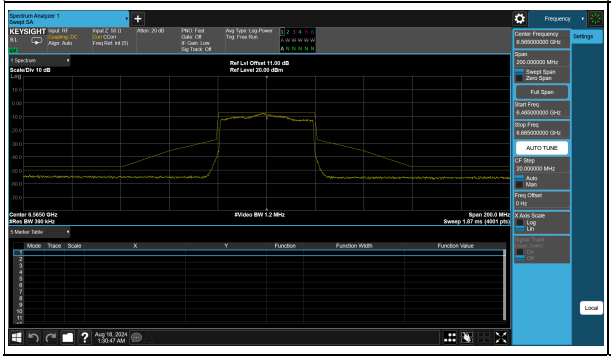
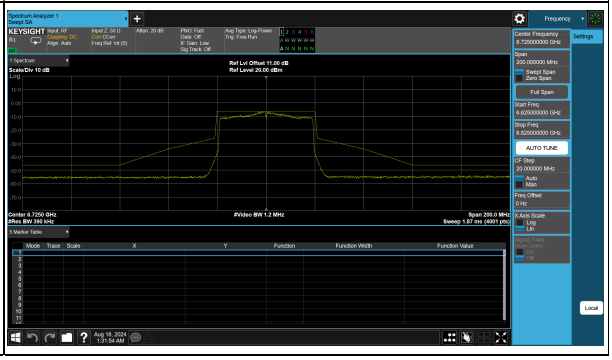
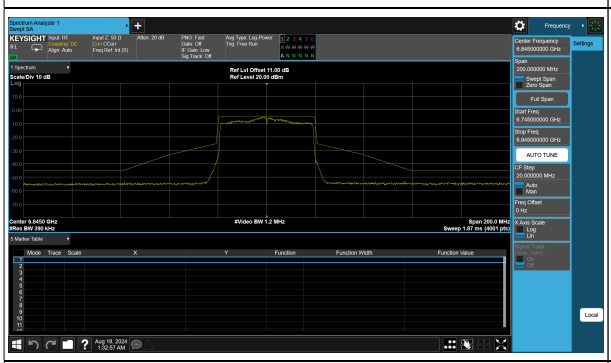
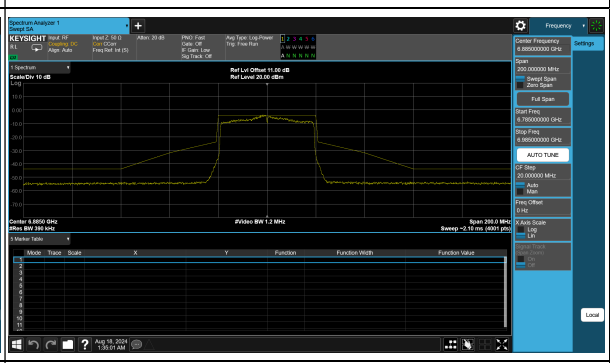
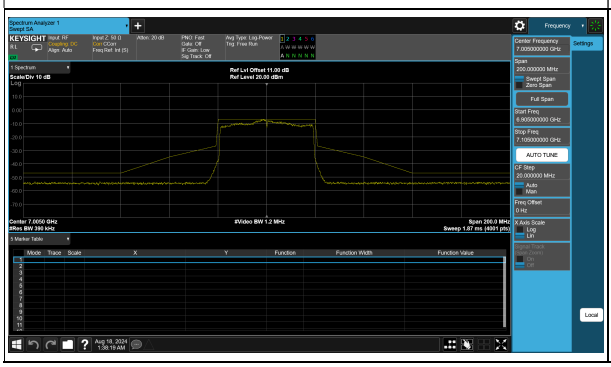
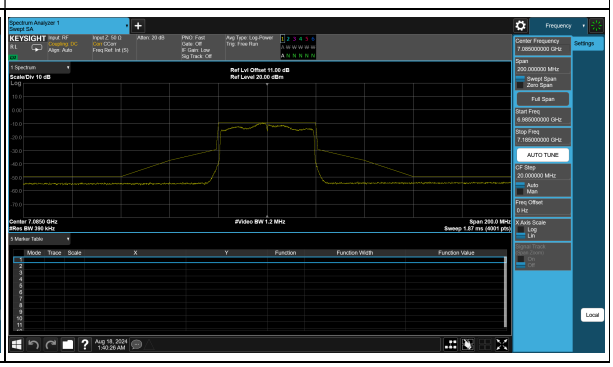
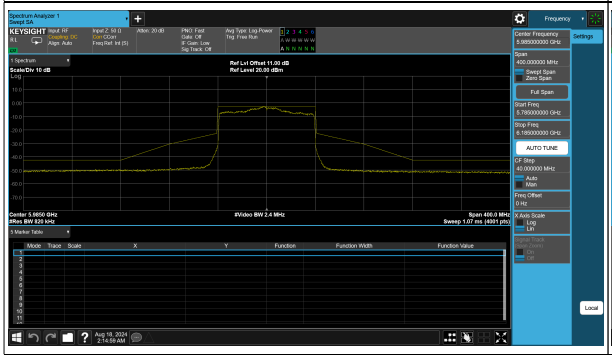
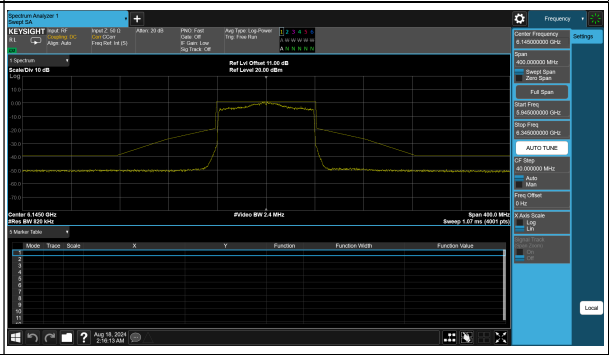
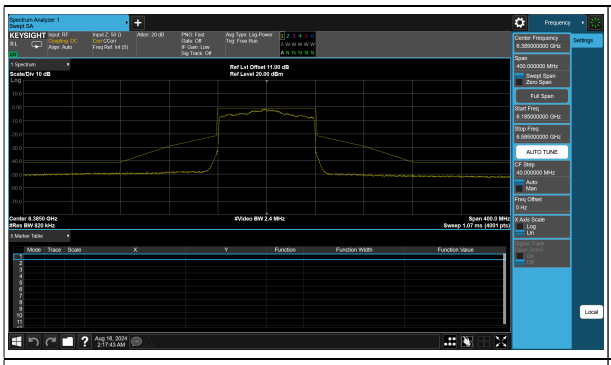
MIMO Antenna 9_802.11ax (HE40)

Spectrum Plot	
CH 3	CH 43
	
CH 91	CH 99
	
CH 107	CH 115
	
CH 123	CH 155
	

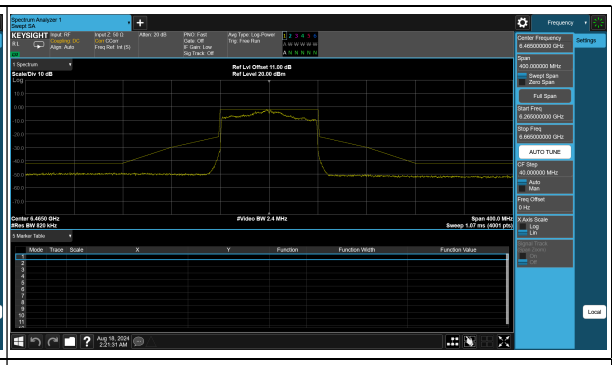
CH 179	CH 187
	
CH 211	**CH 227**
	

MIMO Antenna 9_802.11ax (HE80)

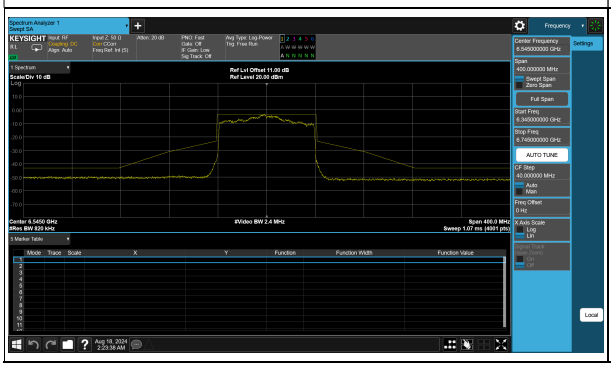
Spectrum Plot	
CH 7	CH 39
	
CH 87	CH 103

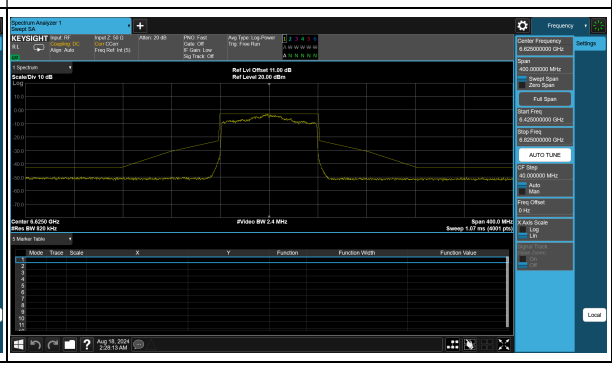


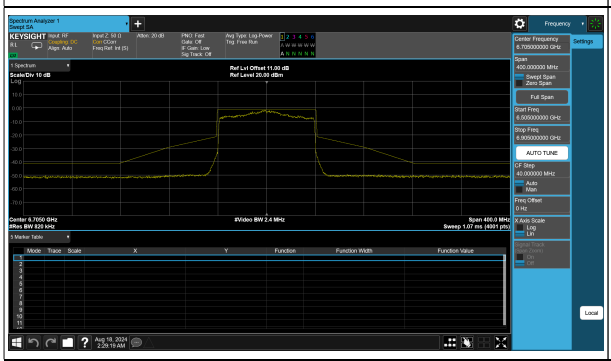
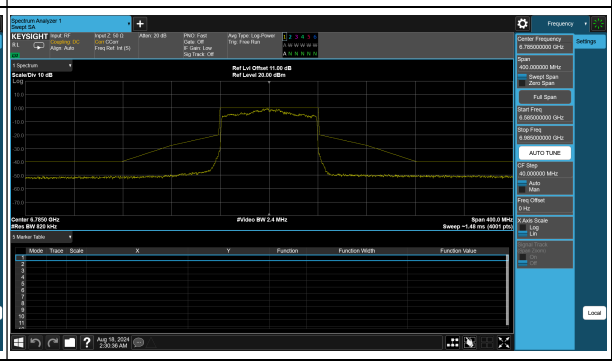
CH 119

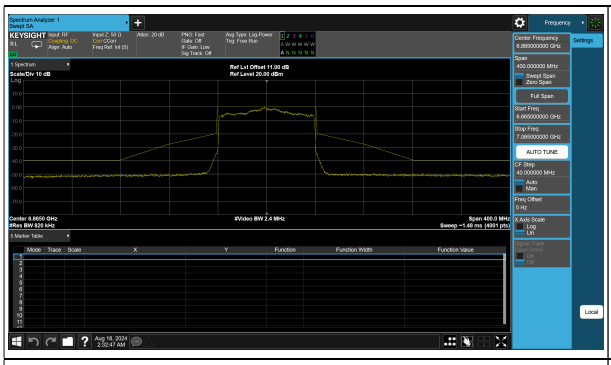
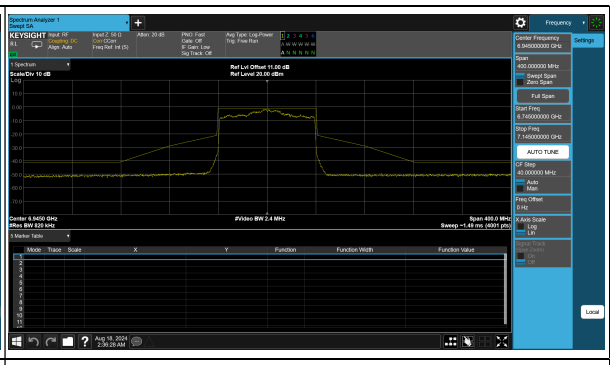
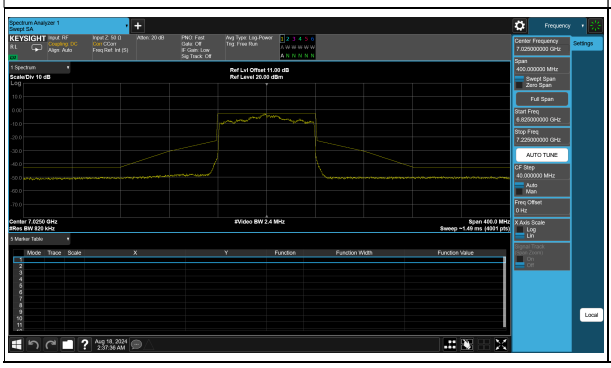


CH 135

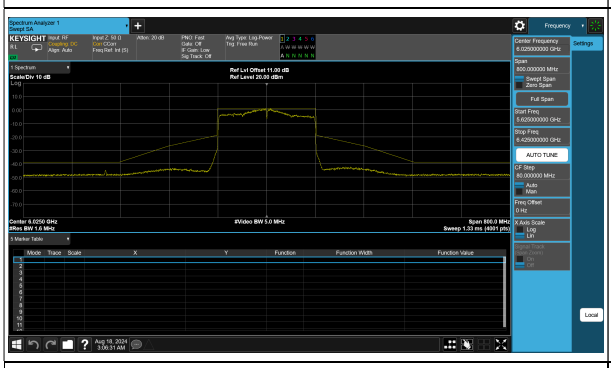
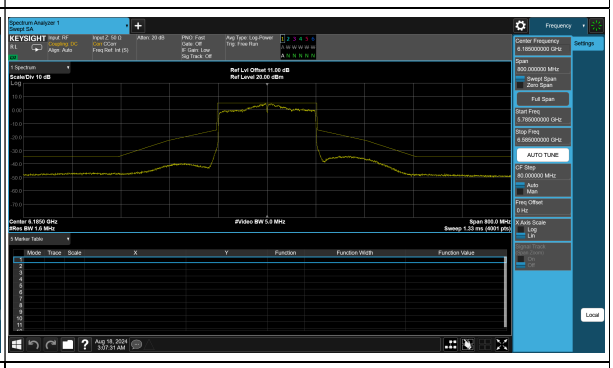


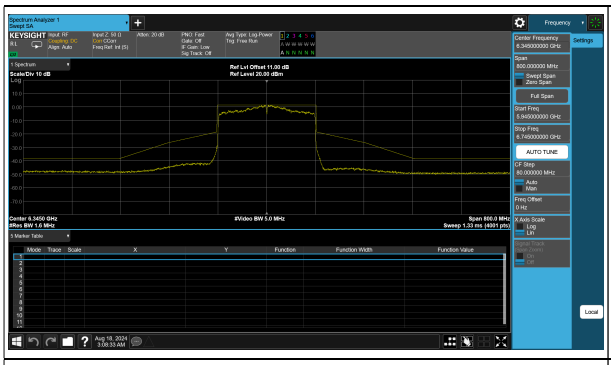


Spectrum Plot	
CH 151	CH 167
	
CH 183	CH 199

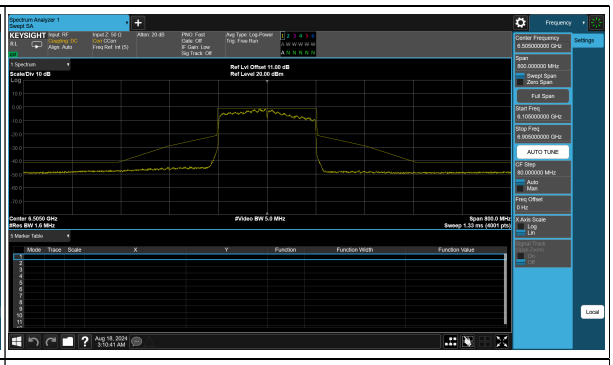
	
CH 215	
	

MIMO Antenna 9_802.11ax (HE160)

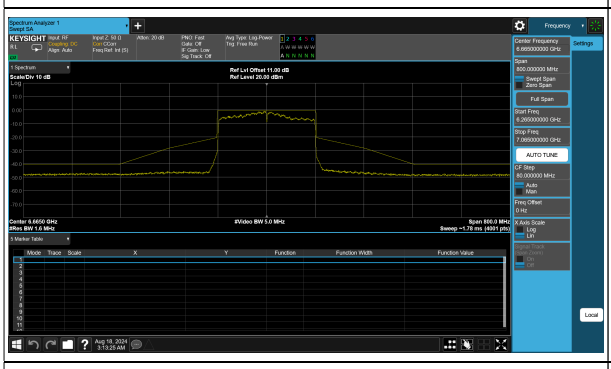
Spectrum Plot	
CH 15	CH 47
	
CH 79	CH 111



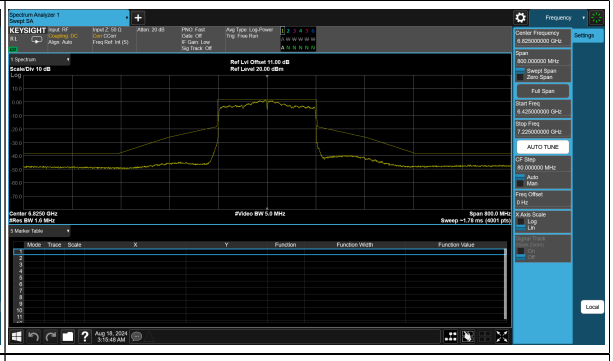
CH 143

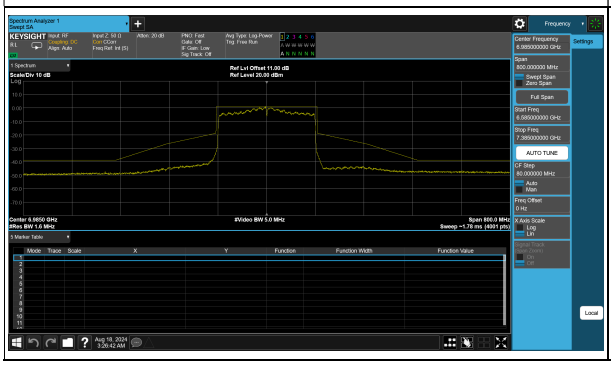


CH 175



CH 207





1.3 Transmit Power Measurement

1.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category	Limit
		Max Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	Client Devices (controlled of an indoor AP)	EIRP 24 dBm
U-NII-5 U-NII-7	Client Devices (controlled of a Standard Power AP)	EIRP 30 dBm

1.3.2 Test Setup

1.3.3 Test Procedure

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

1.3.4 Deviation from Test Standard

No deviation.

1.3.5 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

1.3.6 Test Result

Under control of Indoor AP:

802.11a

Chan.	Chan. Freq. (MHz)	Chain	Result (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Pass / Fail
1	5955	SISO 8	1.92	1.5	3.42	24.00	PASS
		SISO 9	1.92	-0.82	1.1	24.00	PASS
		MIMO 8	3.29	/	/	/	/
		MIMO 9	0.1	/	/	/	/
		Combined 8+9	4.99	1.5	6.49	24.00	PASS
45	6175	SISO 8	1.81	1.5	3.31	24.00	PASS
		SISO 9	2.14	-0.82	1.32	24.00	PASS
		MIMO 8	1.4	/	/	/	/
		MIMO 9	2.49	/	/	/	/
		Combined 8+9	4.99	1.5	6.49	24.00	PASS
93	6415	SISO 8	1.83	1.5	3.33	24.00	PASS
		SISO 9	2.03	-0.82	1.21	24.00	PASS
		MIMO 8	3.72	/	/	/	/
		MIMO 9	-0.03	/	/	/	/
		Combined 8+9	5.25	1.5	6.75	24.00	PASS
97	6435	SISO 8	1.96	0.94	2.9	24.00	PASS
		SISO 9	1.98	-7.91	-5.93	24.00	PASS
		MIMO 8	3.92	/	/	/	/
		MIMO 9	-0.83	/	/	/	/
		Combined 8+9	5.17	0.94	6.11	24.00	PASS
105	6475	SISO 8	2.01	0.94	2.95	24.00	PASS
		SISO 9	2.23	-7.91	-5.68	24.00	PASS
		MIMO 8	3.91	/	/	/	/
		MIMO 9	-0.59	/	/	/	/
		Combined 8+9	5.23	0.94	6.17	24.00	PASS
113	6515	SISO 8	1.92	0.94	2.86	24.00	PASS
		SISO 9	2.18	-7.91	-5.73	24.00	PASS
		MIMO 8	3.97	/	/	/	/
		MIMO 9	-0.54	/	/	/	/
		Combined 8+9	5.29	0.94	6.23	24.00	PASS
117	6535	SISO 8	2.14	1.51	3.65	24.00	PASS
		SISO 9	1.61	-5.07	-3.46	24.00	PASS
		MIMO 8	3.56	/	/	/	/