APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Output Power
UNII-3

Mode	Freq. (MHz)	Average power output(dBm)		
		Chain0	Chain1	MIMO
802.11a	5745	13.09	12.44	15.79
	5785	12.98	12.34	15.69
	5825	12.83	12.45	15.66
802.11nHT20	5745	12.06	11.63	14.86
	5785	11.97	11.58	14.79
	5825	11.99	11.67	14.84
802.11nHT40	5755	9.88	10.42	13.17
	5795	9.82	10.37	13.11
802.11acVHT20	5745	13.12	12.62	15.88
	5785	12.95	12.55	15.76
	5825	12.86	12.47	15.68
802.11acVHT40	5755	11.03	11.41	14.23
	5795	10.86	11.42	14.15
802.11acVHT80	5775	10.00	10.35	13.19

26dB Bandwidth

Test Mode: 802.11a

Carrier frequency (MHz)	Channel No.	26dB BW(MHz) Chain0	26dB BW(MHz) Chain1
5745	149	20.700	20.487
5785	157	20.217	20.625
5825	165	20.271	20.250

Test Mode: 802.11a Chain0	Test Mode: 802.11a Chain0
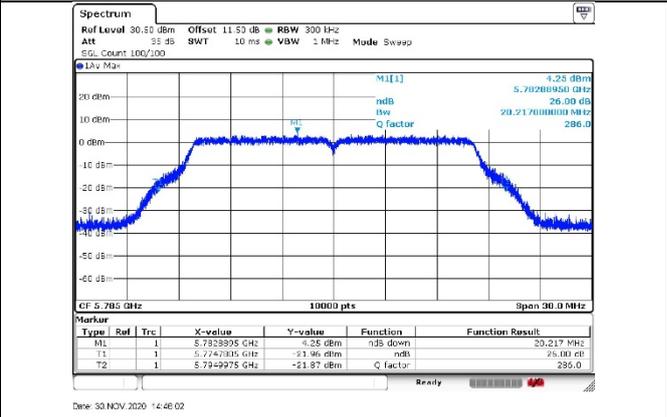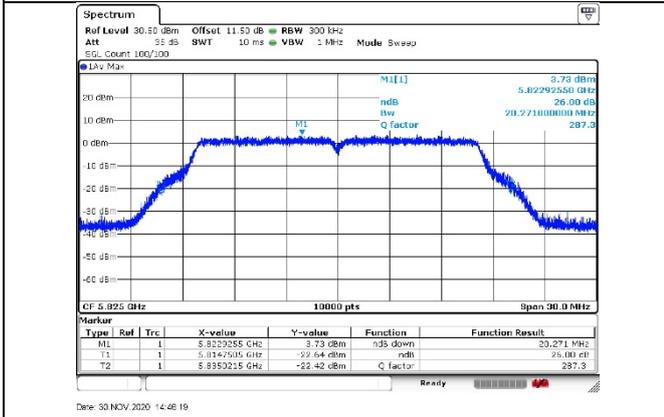
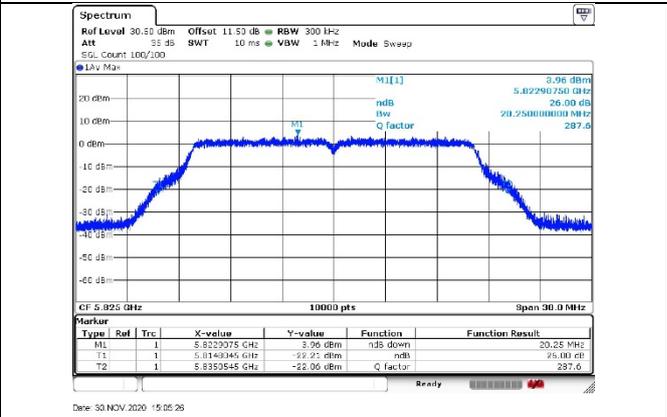| Test Mode: 802.11a Chain0	Test Mode: 802.11a Chain1
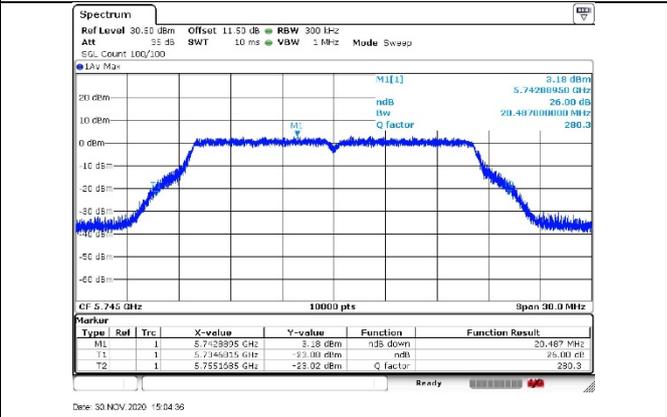
Test Mode: 802.11a Chain1	Test Mode: 802.11a Chain1
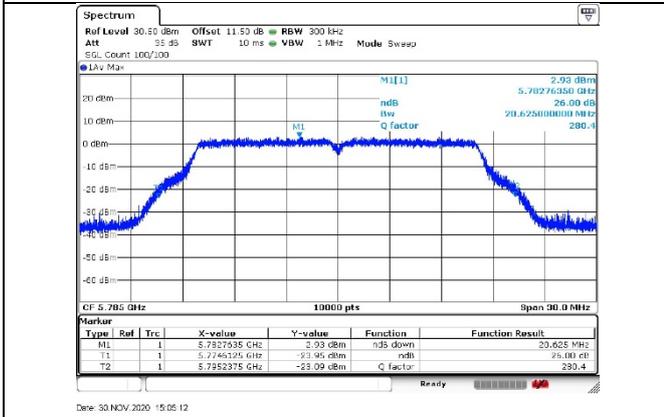
Test Mode: 802.11ac VHT20

Carrier frequency (MHz)	Channel No.	26dB BW(MHz) Chain0	26dB BW(MHz) Chain1
5745	149	20.862	21.003
5785	157	20.781	20.934
5825	165	20.955	20.829

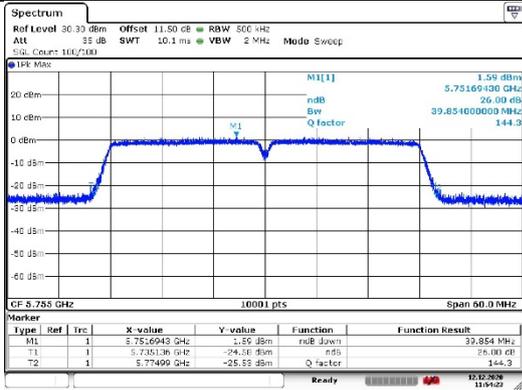| Test Mode: 802.11ac VHT20 Chain0	Test Mode: 802.11ac VHT20 Chain0
Test Mode: 802.11ac VHT20 Chain0	**Test Mode: 802.11ac VHT20 Chain1**
Test Mode: 802.11ac VHT20 Chain1	**Test Mode: 802.11ac VHT20 Chain1**
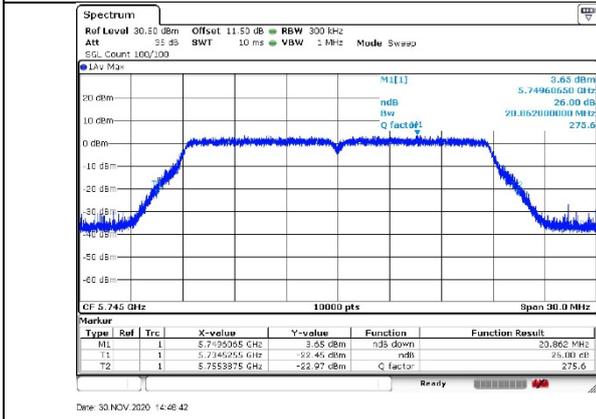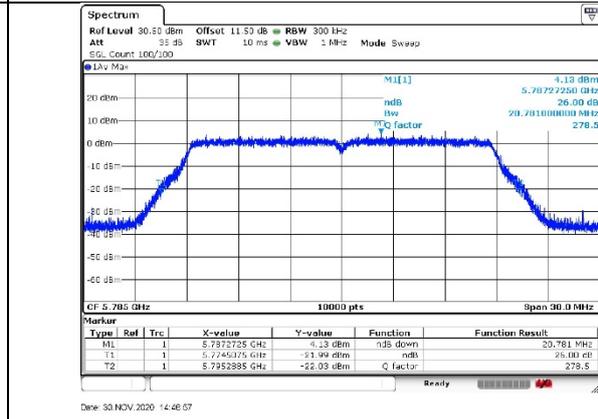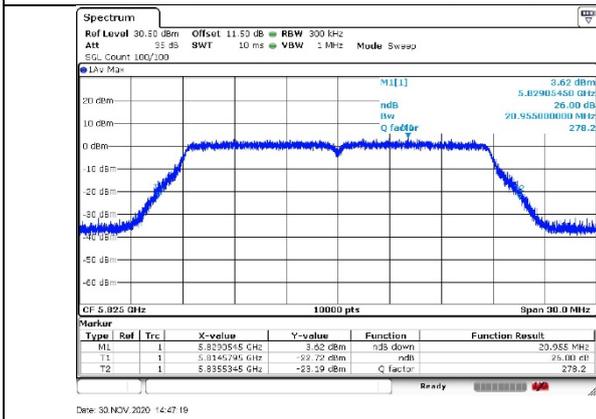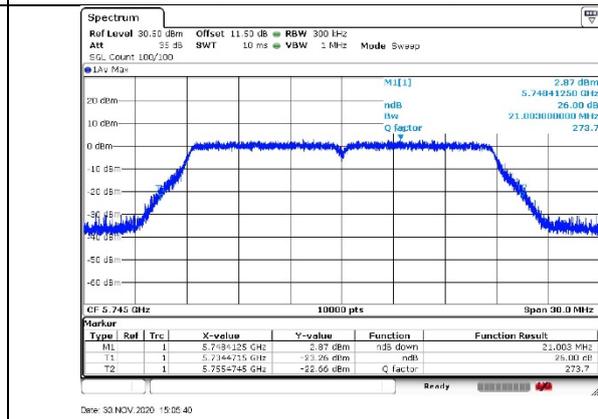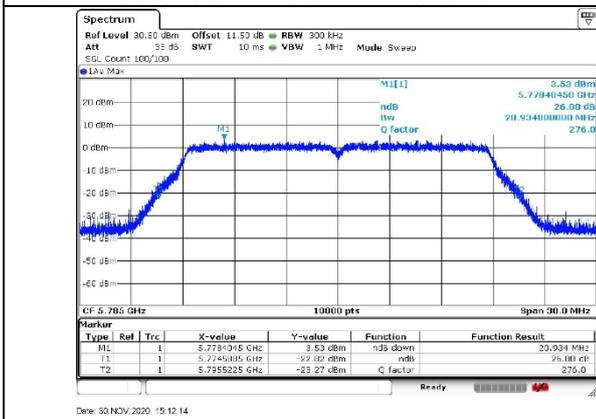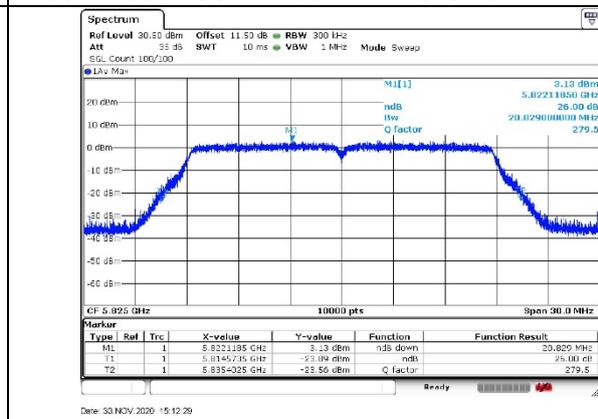
Test Mode: 802.11ac VHT40

Carrier frequency (MHz)	Channel No.	26dB BW(MHz) Chain0	26dB BW(MHz) Chain1
5755	151	39.854	39.536
5795	159	39.620	39.518

Test Mode: 802.11ac VHT40 Chain0	Test Mode: 802.11ac VHT40 Chain0
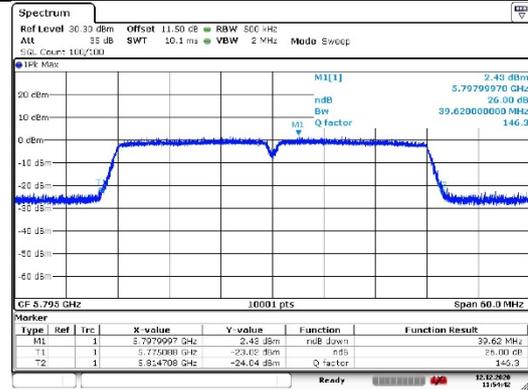
Test Mode: 802.11ac VHT40 Chain0	Test Mode: 802.11ac VHT40 Chain1
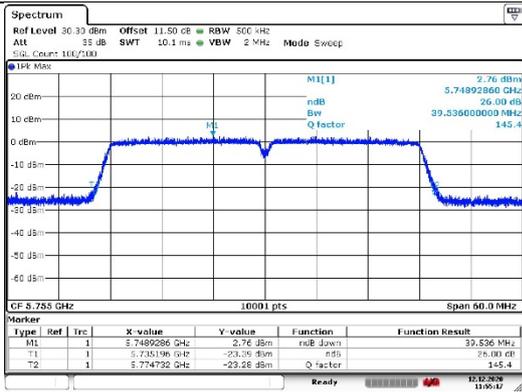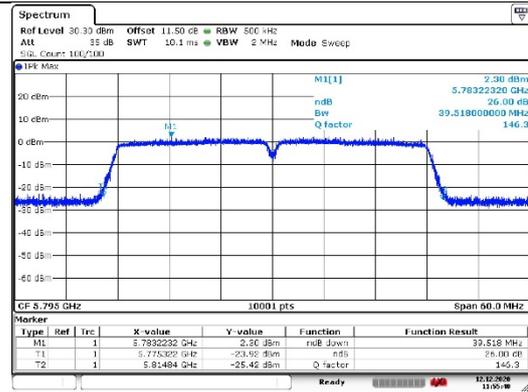
Test Mode: 802.11ac VHT80

Carrier frequency (MHz)	Channel No.	26dB BW(MHz) Chain0	26dB BW(MHz) Chain1
5775	155	80.968	81.232
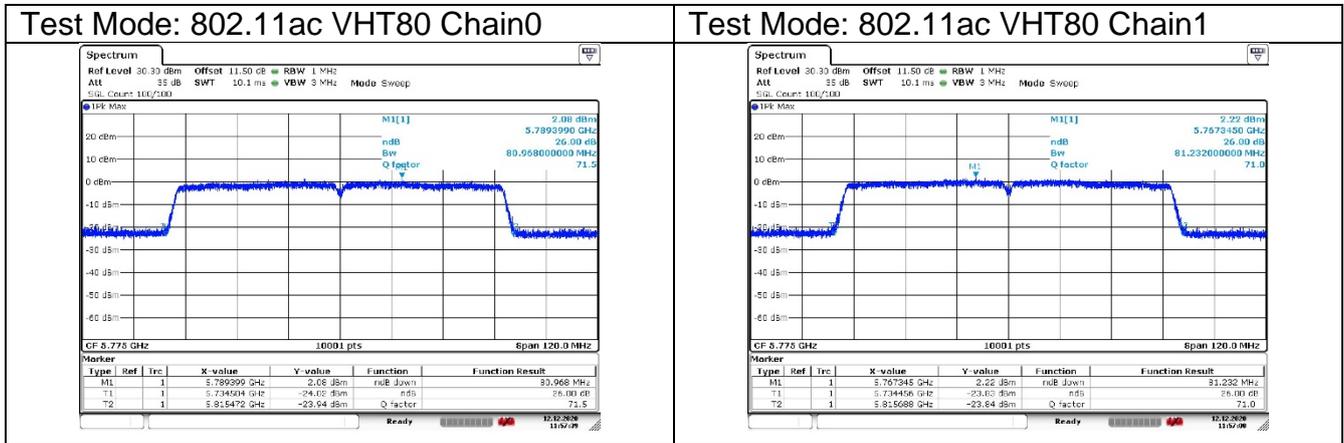
Test Mode: 802.11ac VHT80 Chain0	Test Mode: 802.11ac VHT80 Chain1

6dB Bandwidth

Test Mode: 802.11a

Carrier frequency (MHz)	Channel No.	6dB BW(MHz) Chain0	6dB BW(MHz) Chain1
5745	149	16.37	16.39
5785	157	16.38	16.38
5825	165	16.38	16.37

Test Mode: 802.11a Chain0	Test Mode: 802.11a Chain0
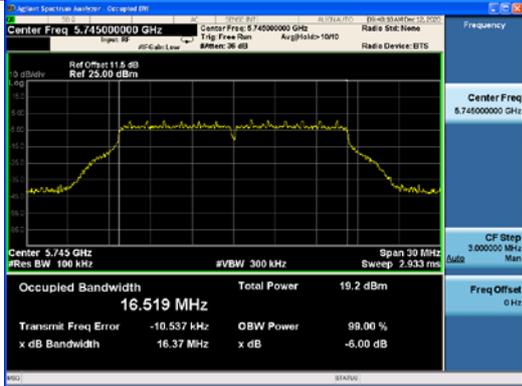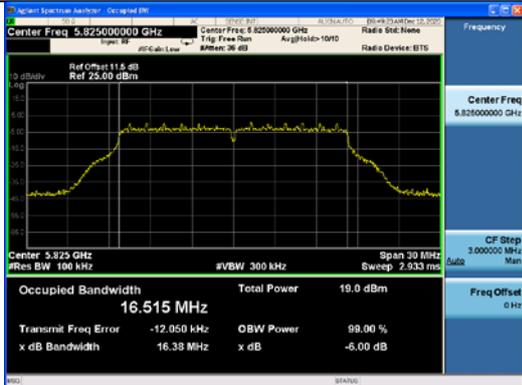
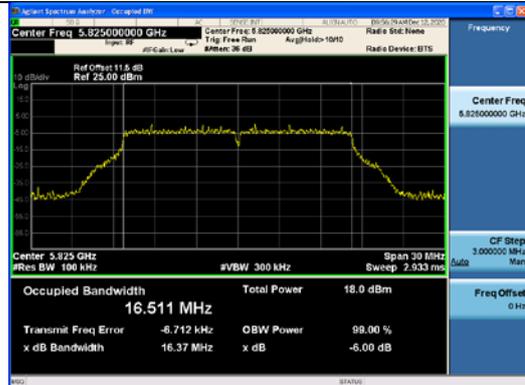| Test Mode: 802.11a Chain0	Test Mode: 802.11a Chain1
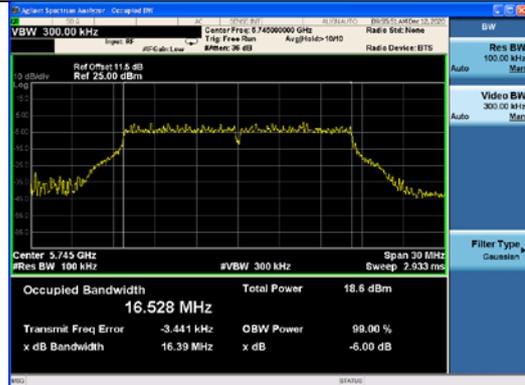
Test Mode: 802.11a Chain1	Test Mode: 802.11a Chain1
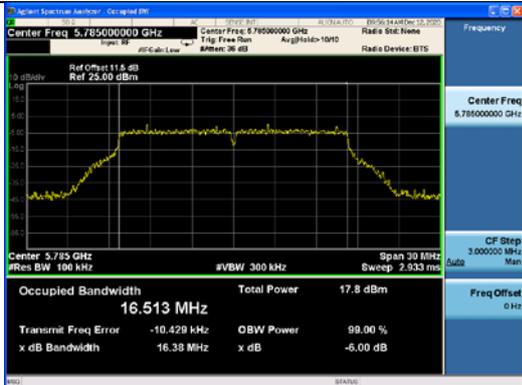
Test Mode: 802.11ac VHT20

Carrier frequency (MHz)	Channel No.	6dB BW(MHz) Chain0	6dB BW(MHz) Chain1
5745	149	17.63	17.61
5785	157	17.64	17.63
5825	165	17.63	17.69

Test Mode: 802.11ac VHT20 Chain0	Test Mode: 802.11ac VHT20 Chain0
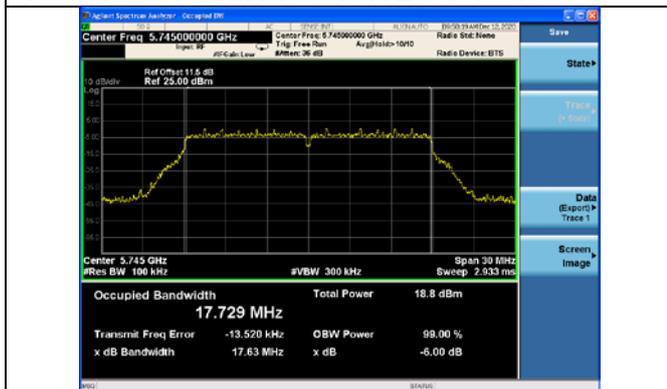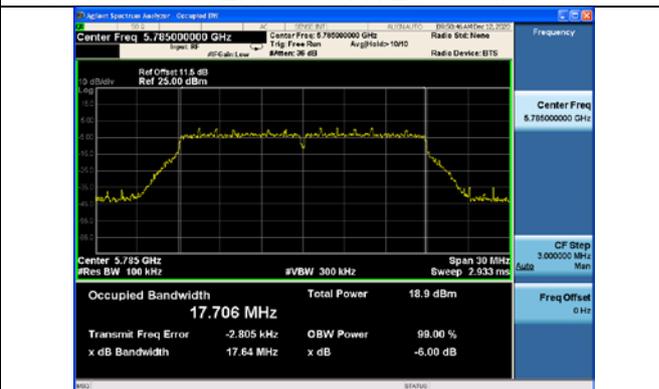
Test Mode: 802.11ac VHT20 Chain0	Test Mode: 802.11ac VHT20 Chain1
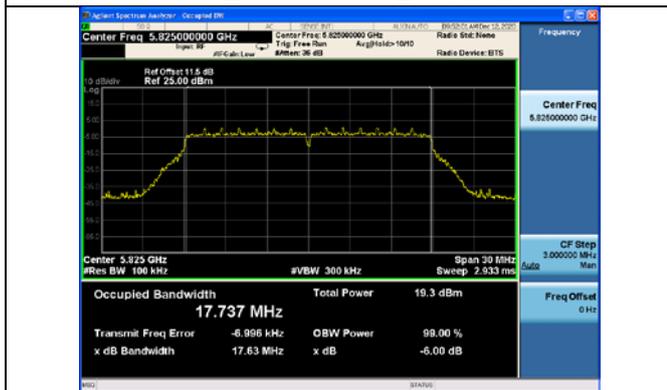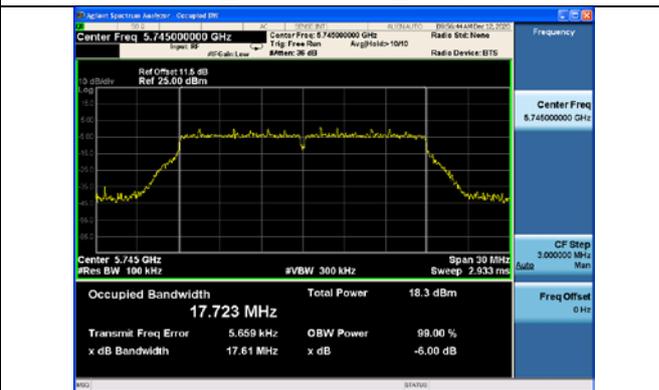
Test Mode: 802.11ac VHT20 Chain1	Test Mode: 802.11ac VHT20 Chain1
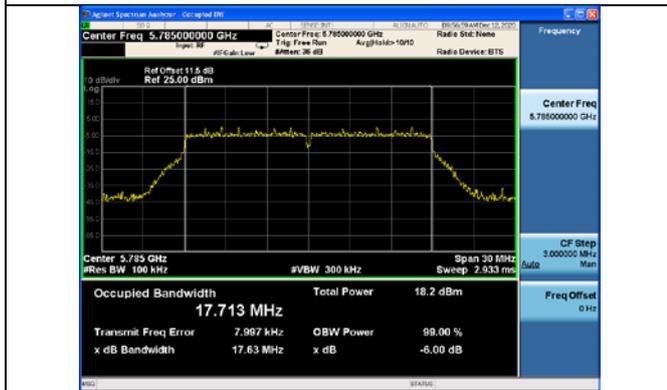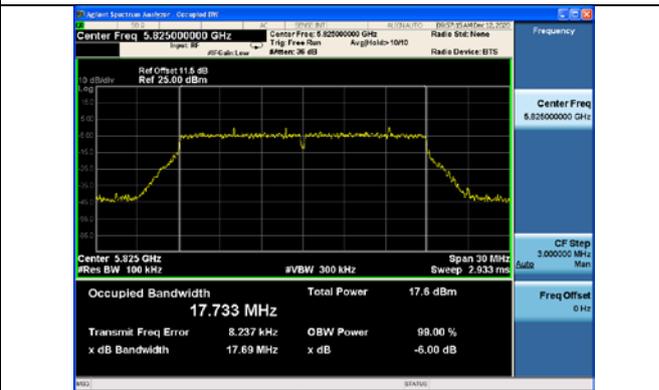
Test Mode: 802.11ac VHT40

Carrier frequency (MHz)	Channel No.	6dB BW(MHz) Chain0	6dB BW(MHz) Chain1
5755	151	36.39	36.41
5795	159	36.11	36.38

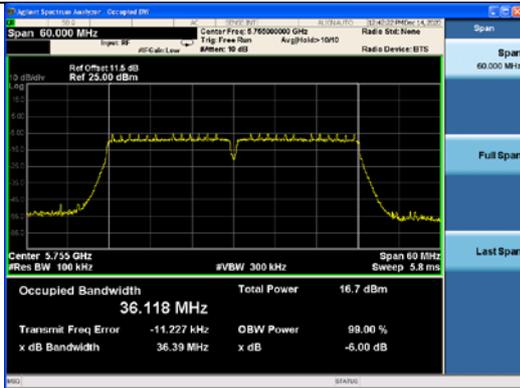| Test Mode: 802.11ac VHT40 Chain0	Test Mode: 802.11ac VHT40 Chain0
Test Mode: 802.11ac VHT40 Chain1	**Test Mode: 802.11ac VHT40 Chain1**
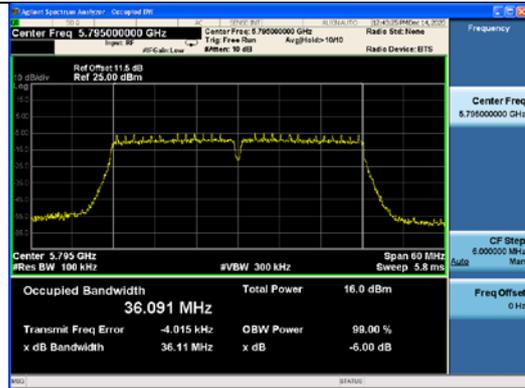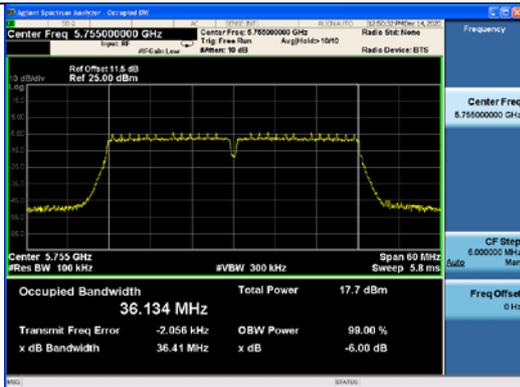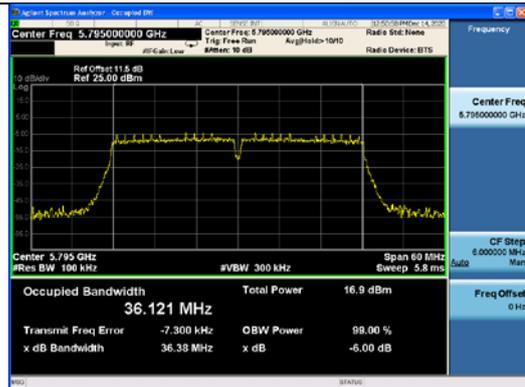
Test Mode: 802.11ac VHT80

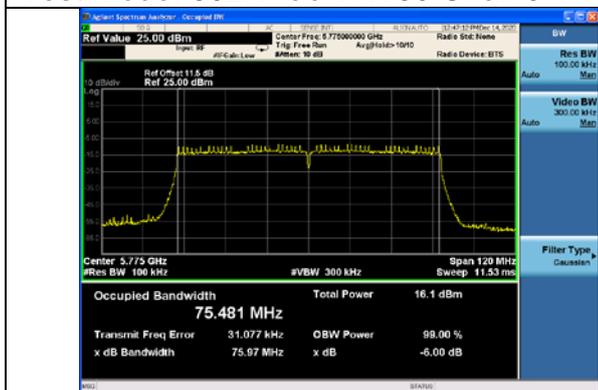| Carrier frequency (MHz)	Channel No.	6dB BW(MHz) Chain0	6dB BW(MHz) Chain1
5775	155	75.97	75.84

Test Mode: 802.11ac VHT80 Chain0	Test Mode: 802.11ac VHT80 Chain1
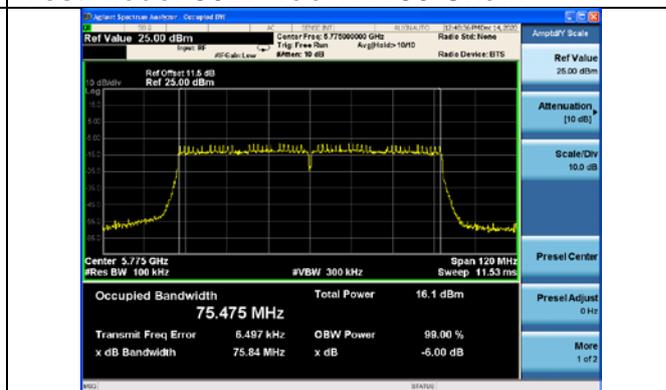
Transmitter Power Spectral Density

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode: 802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Power Density (dBm) Chain0	Power Density (dBm) Chain1	Power Density (dBm) MIMO
5745	0.363	-0.02	-0.22	2.89
5785	0.363	-0.26	-0.52	2.63
5825	0.363	-0.36	-0.75	2.46

Test Mode: 802.11aChain0	Test Mode: 802.11aChain0

Test Mode: 802.11aChain0	Test Mode: 802.11aChain1
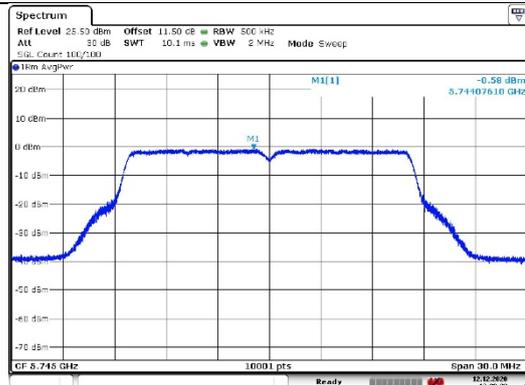
Test Mode: 802.11aChain1	Test Mode: 802.11aChain1
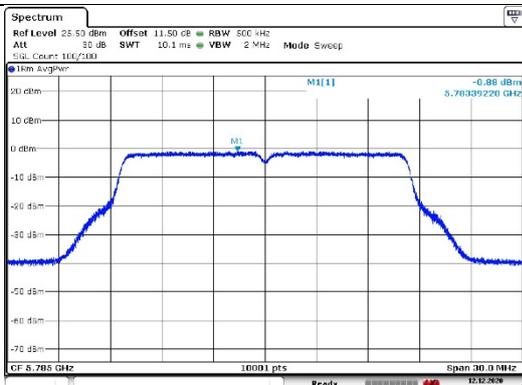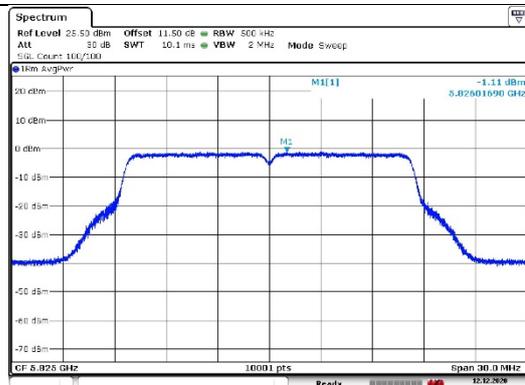
Test Mode: 802.11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Power Density (dBm) Chain0	Power Density (dBm) Chain1	Power Density (dBm) MIMO
5745	0.366	-0.41	-0.65	2.48
5785	0.366	-0.66	-0.80	2.28
5825	0.366	-0.46	-0.74	2.41

Test Mode: 802.11ac VHT20 Chain0	Test Mode: 802.11ac VHT20 Chain0
Test Mode: 802.11ac VHT20 Chain0	**Test Mode: 802.11ac VHT20 Chain1**
Test Mode: 802.11ac VHT20 Chain1	**Test Mode: 802.11ac VHT20 Chain1**
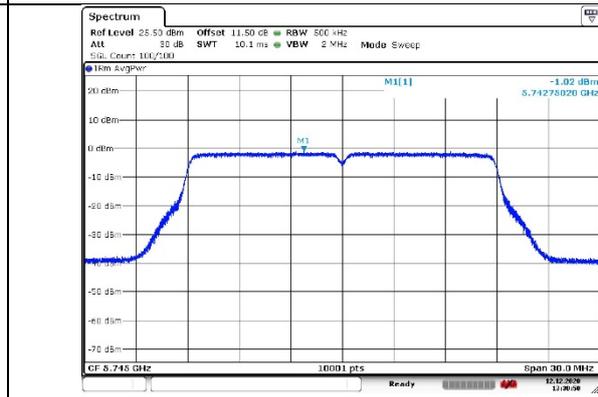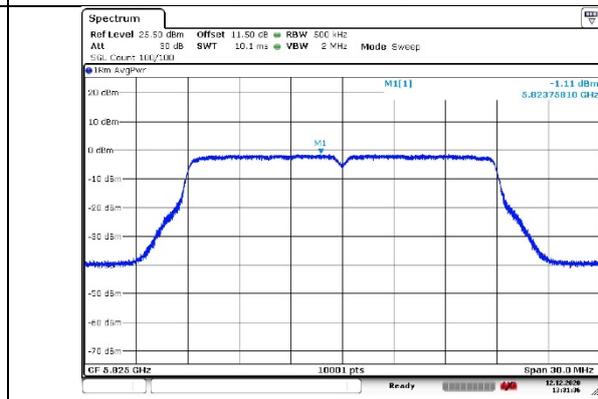
Test Mode: 802.11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Power Density (dBm) Chain0	Power Density (dBm) Chain1	Power Density (dBm) MIMO
5755	0.835	-5.46	-4.56	-1.97
5795	0.835	-5.57	-4.45	-1.96

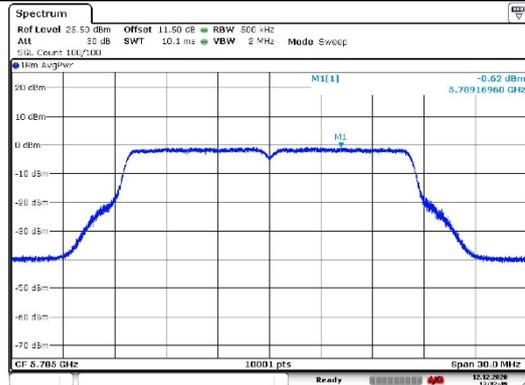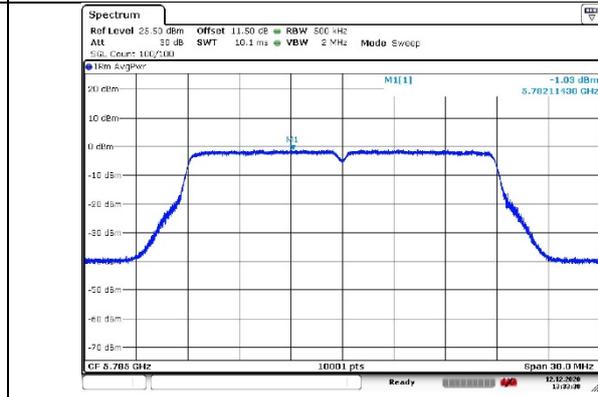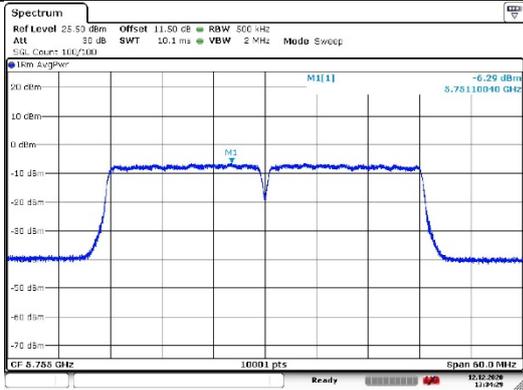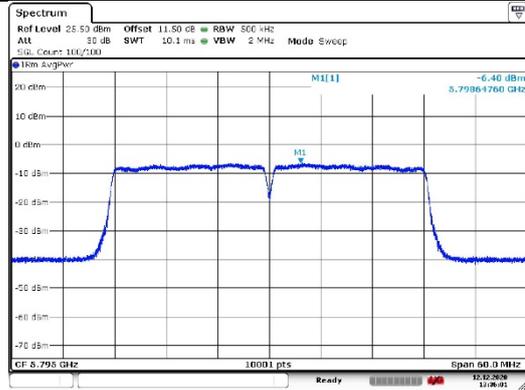| Test Mode: 802.11ac VHT40 Chain0	Test Mode: 802.11ac VHT40 Chain0
Test Mode: 802.11ac VHT40 Chain1	Test Mode: 802.11ac VHT40 Chain1
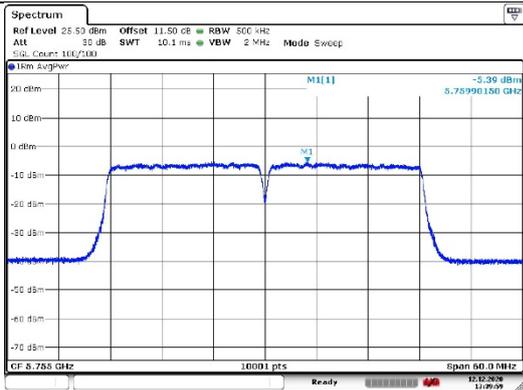
Test Mode: 802.11ac VHT80

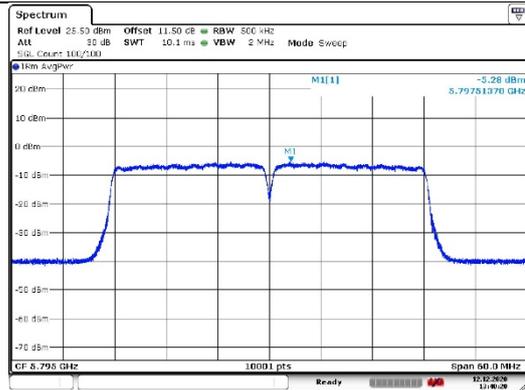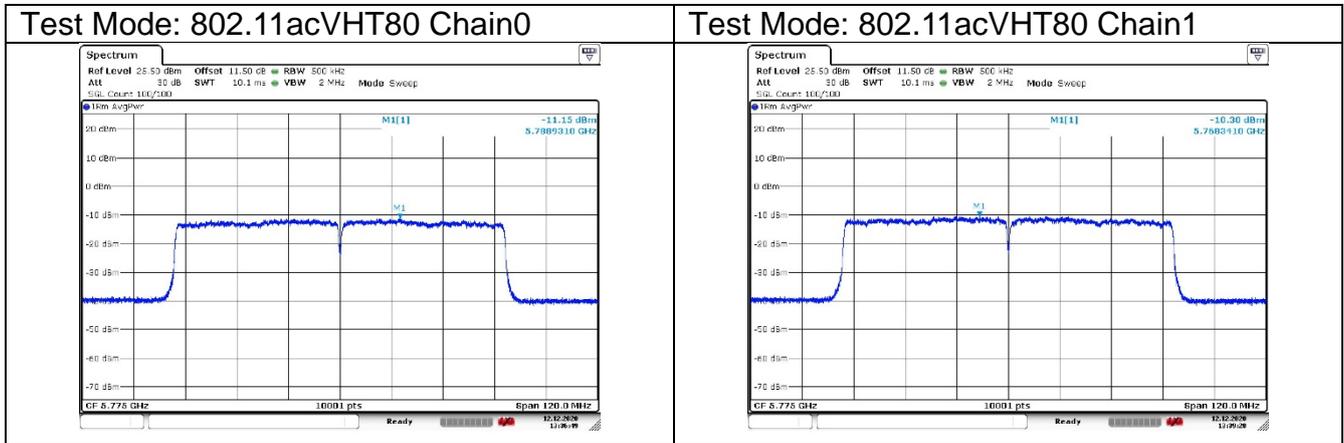| Carrier frequency (MHz)	Correction Factor(dB)	Power Density (dBm) Chain0	Power Density (dBm) Chain1	Power Density (dBm) MIMO
5775	1.677	-9.47	-8.62	-6.02

Test Mode: 802.11acVHT80 Chain0	Test Mode: 802.11acVHT80 Chain1

Frequency Stability

U-NII-3

Mode	Data Rate	Ant	CenterFrequency (MHz)	MeasuredFrequency (MHz)	Frequency Stability (ppm)	Voltage (V)	Temperature (°C)
802.11 a	6Mbps	Chain 0	5745	5745.37475	65.23	NV	-20
			5745	5745.36975	64.36	NV	-10
			5745	5745.36845	64.13	NV	0
			5745	5745.36805	64.06	NV	+10
			5745	5745.36775	64.01	HV	+20
			5745	5745.36745	63.96	LV	+20
			5745	5745.36725	63.93	NV	+20
			5745	5745.36775	64.01	NV	+30
			5745	5745.36755	63.98	NV	+40
			5745	5745.36765	63.99	NV	+50
802.11 a	6Mbps	Chain 1	5745	5745.38365	66.78	NV	-20
			5745	5745.38195	66.48	NV	-10
			5745	5745.38185	66.47	NV	0
			5745	5745.38165	66.43	NV	+10
			5745	5745.38145	66.40	HV	+20
			5745	5745.38145	66.40	LV	+20
			5745	5745.38125	66.36	NV	+20
			5745	5745.38095	66.31	NV	+30
			5745	5745.38095	66.31	NV	+40
			5745	5745.38095	66.31	NV	+50