APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	99.65%	0	Fig.1
802.11a	5745	99.63%	0	Fig.2
802.11n HT20	5745	99.85%	0	Fig.3
802.11n HT20	5745	99.86%	0	Fig.4
802.11ac VHT20	5745	99.88%	0	Fig.5
802.11ac VHT20	5745	99.86%	0	Fig.6
802.11ax HE20	5745	99.86%	0	Fig.7
802.11ax HE20	5745	99.85%	0	Fig.8
802.11n HT40	5755	99.86%	0	Fig.9
802.11n HT40	5755	99.86%	0	Fig.10
802.11ac VHT40	5755	99.85%	0	Fig.11
802.11ac VHT40	5755	99.85%	0	Fig.12
802.11ax HE40	5755	99.89%	0	Fig.13
802.11ax HE40	5755	99.90%	0	Fig.14
802.11ac VHT80	5775	99.50%	0	Fig.15
802.11ac VHT80	5775	99.53%	0	Fig.16
802.11ax HE80	5775	99.89%	0	Fig.17
802.11ax HE80	5775	99.86%	0	Fig.18

Note: Correction Factor=10*log (1/Duty Cycle)

Fig.1

Fig.2
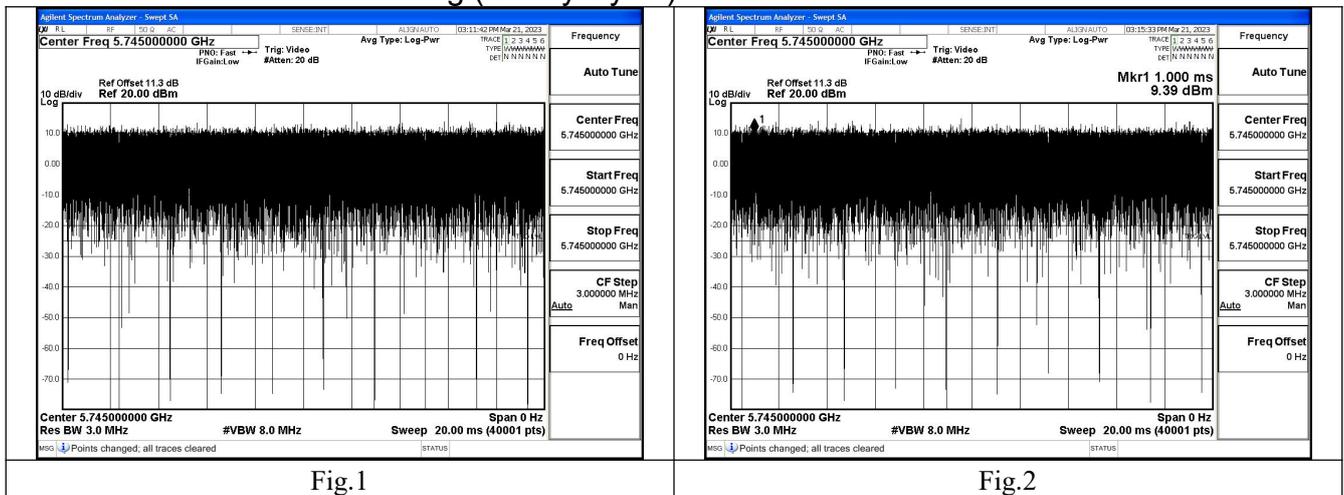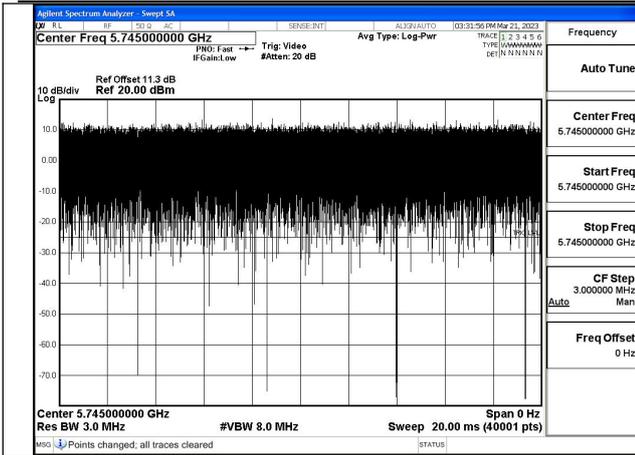
Fig.3
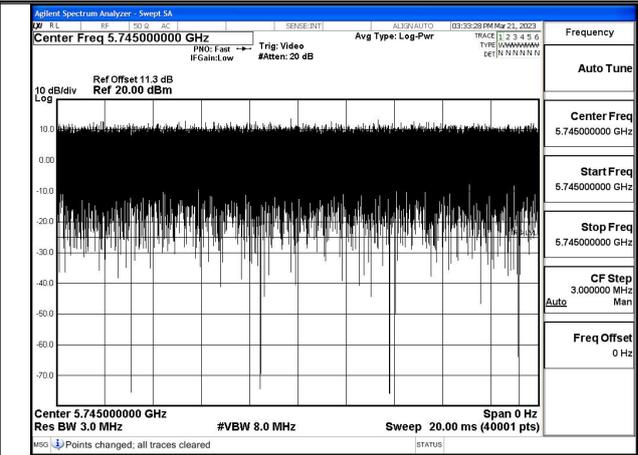
Fig.4
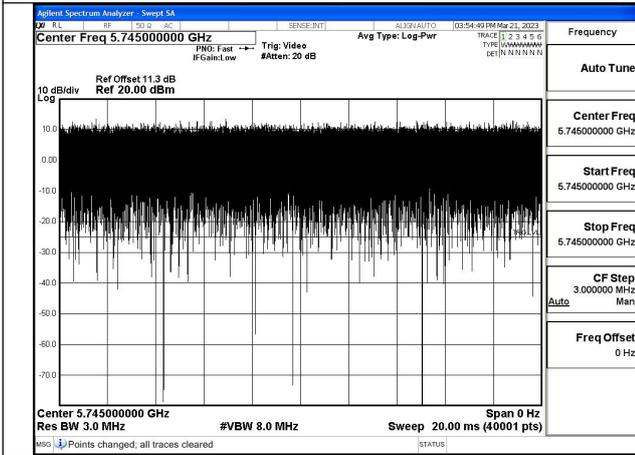
Fig.5
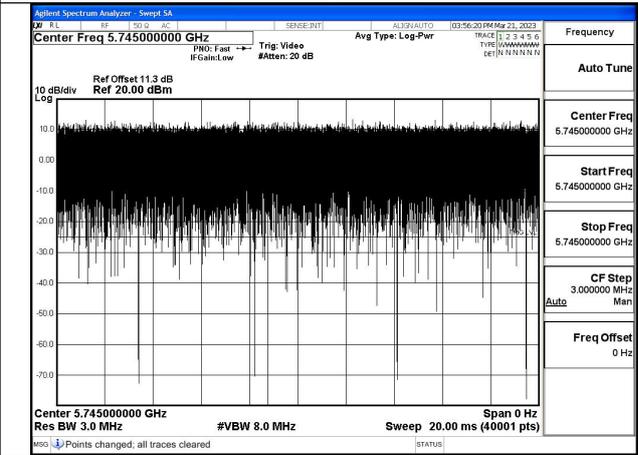
Fig.6
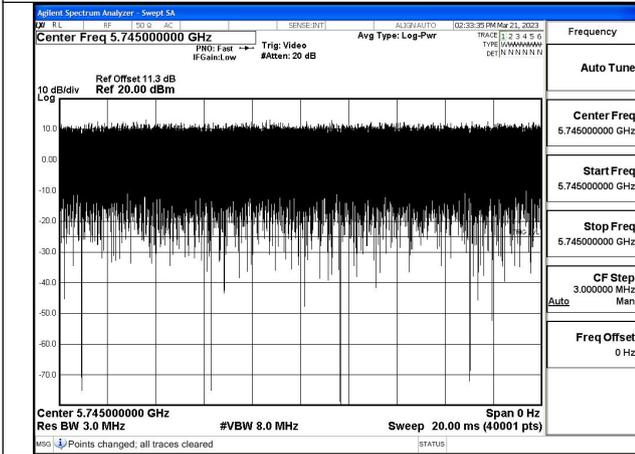
Fig.7
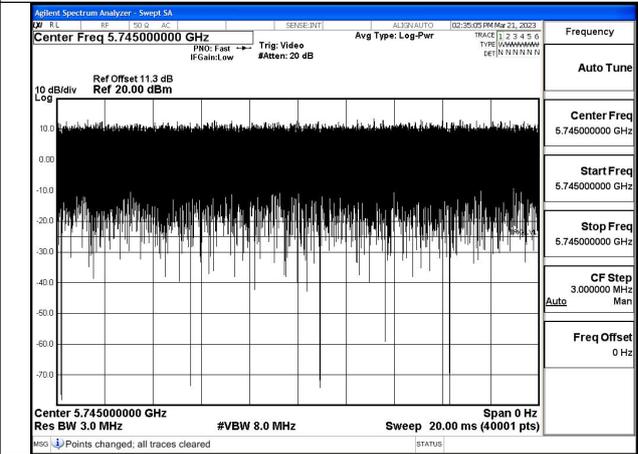
Fig.8
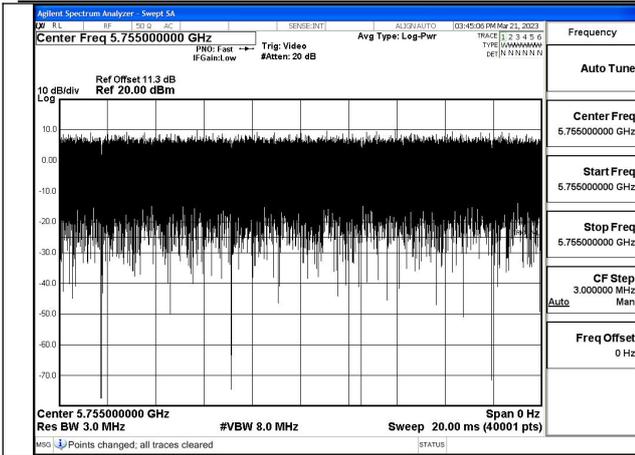
Fig.9
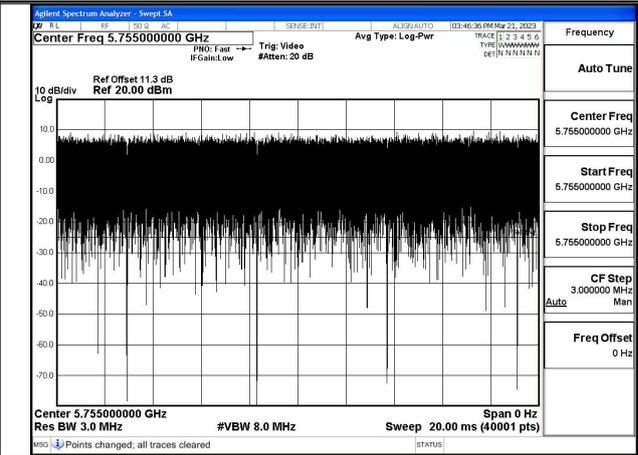
Fig.10
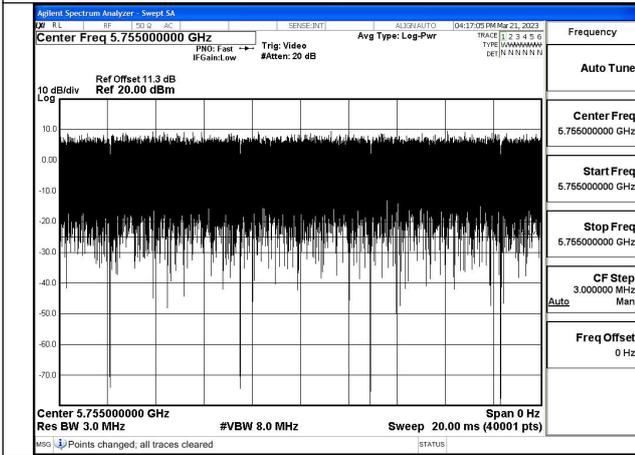
Fig.11
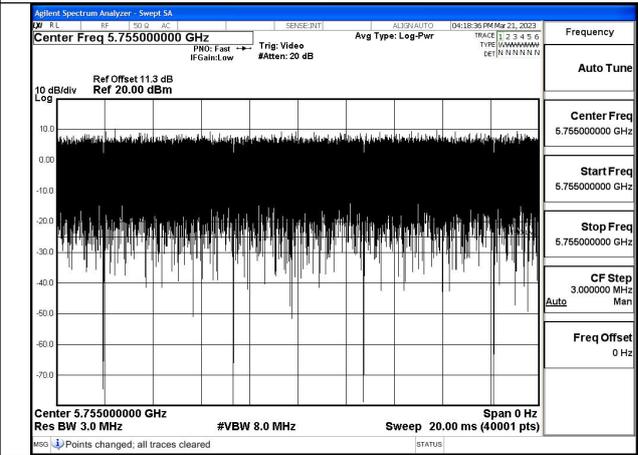
Fig.12
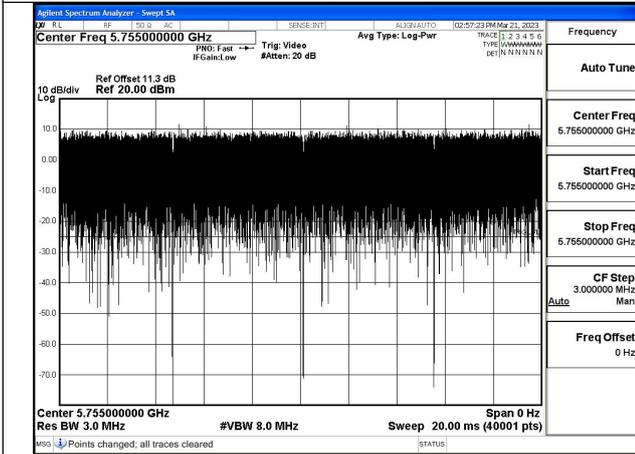
Fig.13
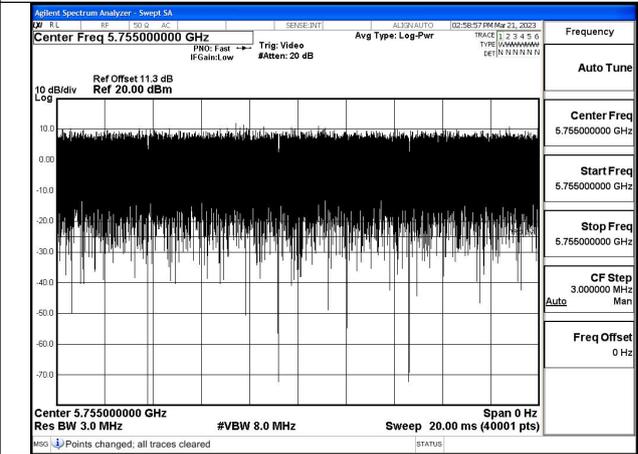
Fig.14
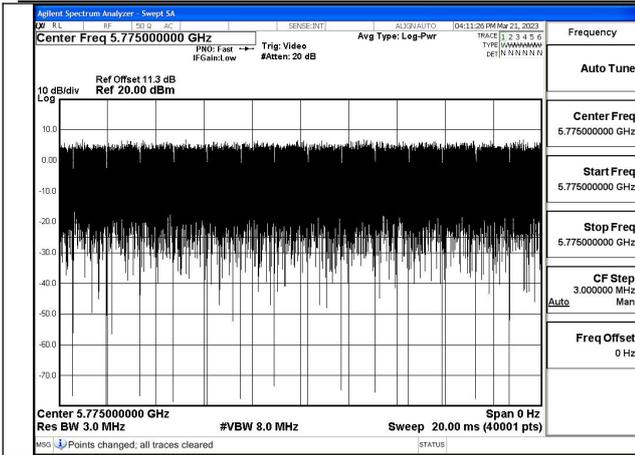
Fig.15

Fig.16
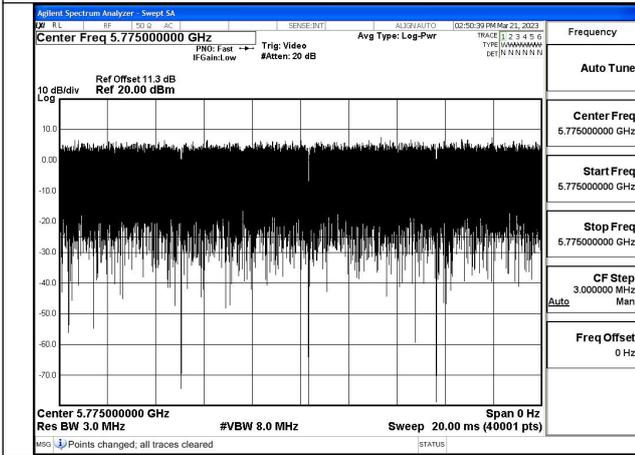
Fig.17
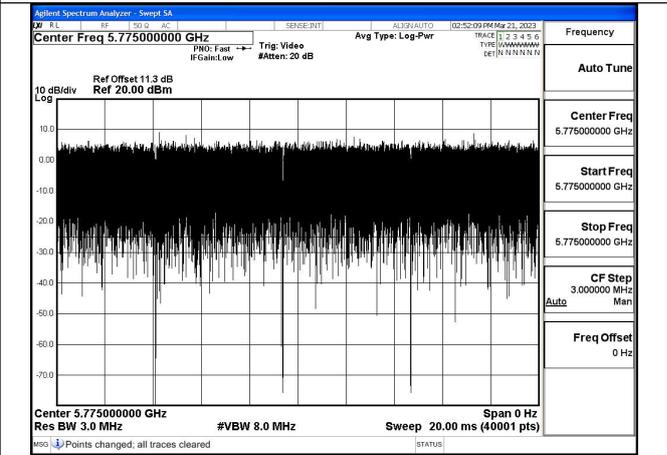
Fig.18

Output Power

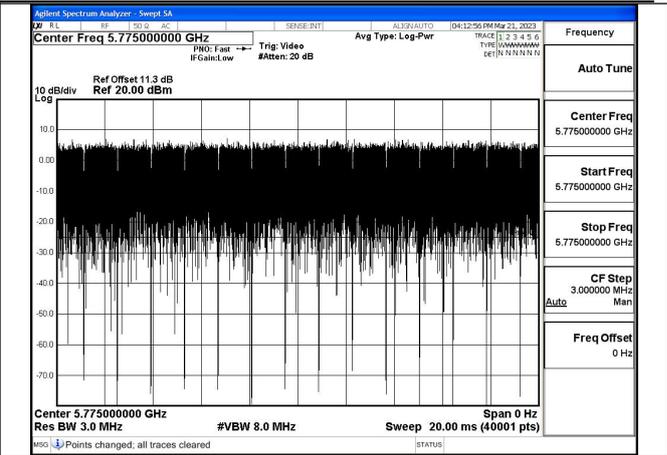| Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	11.52	8.52
802.11a	NA	5745	Chain1	11.54	9.14
802.11a	NA	5785	Chain0	11.61	8.61
802.11a	NA	5785	Chain1	11.62	9.22
802.11a	NA	5825	Chain0	11.46	8.46
802.11a	NA	5825	Chain1	11.49	9.09
802.11n HT20	NA	5745	Chain0	11.53	8.53
802.11n HT20	NA	5745	Chain1	11.53	9.13
802.11n HT20	NA	5745	MIMO	14.54	11.85
802.11n HT20	NA	5785	Chain0	11.63	8.63
802.11n HT20	NA	5785	Chain1	11.53	9.13
802.11n HT20	NA	5785	MIMO	14.59	11.90
802.11n HT20	NA	5825	Chain0	11.41	8.41
802.11n HT20	NA	5825	Chain1	11.40	9.00
802.11n HT20	NA	5825	MIMO	14.42	11.73
802.11ac VHT20	NA	5745	Chain0	11.51	8.51
802.11ac VHT20	NA	5745	Chain1	11.50	9.10
802.11ac VHT20	NA	5745	MIMO	14.52	11.83
802.11ac VHT20	NA	5785	Chain0	11.65	8.65
802.11ac VHT20	NA	5785	Chain1	11.64	9.24
802.11ac VHT20	NA	5785	MIMO	14.66	11.97
802.11ac VHT20	NA	5825	Chain0	11.48	8.48
802.11ac VHT20	NA	5825	Chain1	11.50	9.10
802.11ac VHT20	NA	5825	MIMO	14.50	11.81
802.11n HT40	NA	5755	Chain0	11.39	8.39
802.11n HT40	NA	5755	Chain1	11.39	8.99
802.11n HT40	NA	5755	MIMO	14.40	11.71
802.11n HT40	NA	5795	Chain0	11.63	8.63
802.11n HT40	NA	5795	Chain1	11.63	9.23
802.11n HT40	NA	5795	MIMO	14.64	11.95
802.11ac VHT40	NA	5755	Chain0	11.40	8.40
802.11ac VHT40	NA	5755	Chain1	11.41	9.01
802.11ac VHT40	NA	5755	MIMO	14.42	11.73
802.11ac VHT40	NA	5795	Chain0	11.63	8.63
802.11ac VHT40	NA	5795	Chain1	11.66	9.26
802.11ac VHT40	NA	5795	MIMO	14.66	11.97
802.11ac VHT80	NA	5775	Chain0	11.23	8.23
802.11ac VHT80	NA	5775	Chain1	11.20	8.80
802.11ac VHT80	NA	5775	MIMO	14.23	11.54

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11ax HE20	26T 0	5745	Chain0	7.79	4.79
802.11ax HE20	26T 0	5745	Chain1	7.11	4.71
802.11ax HE20	26T 0	5745	MIMO	10.47	7.78
802.11ax HE20	26T 0	5785	Chain0	7.92	4.92
802.11ax HE20	26T 0	5785	Chain1	7.94	5.54
802.11ax HE20	26T 0	5785	MIMO	10.94	8.25
802.11ax HE20	26T 0	5825	Chain0	7.82	4.82
802.11ax HE20	26T 0	5825	Chain1	7.84	5.44
802.11ax HE20	26T 0	5825	MIMO	10.84	8.15
802.11ax HE20	26T 4	5745	Chain0	6.71	3.71
802.11ax HE20	26T 4	5745	Chain1	6.69	4.29
802.11ax HE20	26T 4	5745	MIMO	9.71	7.02
802.11ax HE20	26T 4	5785	Chain0	7.91	4.91
802.11ax HE20	26T 4	5785	Chain1	7.92	5.52
802.11ax HE20	26T 4	5785	MIMO	10.93	8.24
802.11ax HE20	26T 4	5825	Chain0	6.84	3.84
802.11ax HE20	26T 4	5825	Chain1	6.84	4.44
802.11ax HE20	26T 4	5825	MIMO	9.85	7.16
802.11ax HE20	26T 8	5745	Chain0	7.45	4.45
802.11ax HE20	26T 8	5745	Chain1	7.47	5.07
802.11ax HE20	26T 8	5745	MIMO	10.47	7.78
802.11ax HE20	26T 8	5785	Chain0	7.92	4.92
802.11ax HE20	26T 8	5785	Chain1	7.91	5.51
802.11ax HE20	26T 8	5785	MIMO	10.93	8.24
802.11ax HE20	26T 8	5825	Chain0	7.84	4.84
802.11ax HE20	26T 8	5825	Chain1	7.86	5.46
802.11ax HE20	26T 8	5825	MIMO	10.86	8.17
802.11ax HE20	52T 37	5745	Chain0	7.52	4.52
802.11ax HE20	52T 37	5745	Chain1	7.53	5.13
802.11ax HE20	52T 37	5745	MIMO	10.54	7.85
802.11ax HE20	52T 37	5785	Chain0	7.92	4.92
802.11ax HE20	52T 37	5785	Chain1	7.91	5.51
802.11ax HE20	52T 37	5785	MIMO	10.93	8.24
802.11ax HE20	52T 37	5825	Chain0	6.74	3.74
802.11ax HE20	52T 37	5825	Chain1	6.75	4.35
802.11ax HE20	52T 37	5825	MIMO	9.76	7.07
802.11ax HE20	52T 39	5745	Chain0	6.88	3.88
802.11ax HE20	52T 39	5745	Chain1	6.89	4.49
802.11ax HE20	52T 39	5745	MIMO	9.90	7.21
802.11ax HE20	52T 39	5785	Chain0	7.94	4.94
802.11ax HE20	52T 39	5785	Chain1	7.92	5.52
802.11ax HE20	52T 39	5785	MIMO	10.94	8.25

802.11ax HE20	52T 39	5825	Chain0	6.73	3.73
802.11ax HE20	52T 39	5825	Chain1	6.75	4.35
802.11ax HE20	52T 39	5825	MIMO	9.75	7.06
802.11ax HE20	52T 40	5745	Chain0	7.33	4.33
802.11ax HE20	52T 40	5745	Chain1	7.30	4.90
802.11ax HE20	52T 40	5745	MIMO	10.33	7.64
802.11ax HE20	52T 40	5785	Chain0	7.92	4.92
802.11ax HE20	52T 40	5785	Chain1	7.92	5.52
802.11ax HE20	52T 40	5785	MIMO	10.93	8.24
802.11ax HE20	52T 40	5825	Chain0	6.75	3.75
802.11ax HE20	52T 40	5825	Chain1	6.77	4.37
802.11ax HE20	52T 40	5825	MIMO	9.77	7.08
802.11ax HE20	106T 53	5745	Chain0	6.95	3.95
802.11ax HE20	106T 53	5745	Chain1	6.95	4.55
802.11ax HE20	106T 53	5745	MIMO	9.96	7.27
802.11ax HE20	106T 53	5785	Chain0	7.38	4.38
802.11ax HE20	106T 53	5785	Chain1	7.30	4.90
802.11ax HE20	106T 53	5785	MIMO	10.35	7.66
802.11ax HE20	106T 53	5825	Chain0	7.89	4.89
802.11ax HE20	106T 53	5825	Chain1	6.65	4.25
802.11ax HE20	106T 53	5825	MIMO	10.32	7.63
802.11ax HE20	106T 54	5745	Chain0	7.74	4.74
802.11ax HE20	106T 54	5745	Chain1	7.75	5.35
802.11ax HE20	106T 54	5745	MIMO	10.76	8.07
802.11ax HE20	106T 54	5785	Chain0	6.91	3.91
802.11ax HE20	106T 54	5785	Chain1	6.92	4.52
802.11ax HE20	106T 54	5785	MIMO	9.93	7.24
802.11ax HE20	106T 54	5825	Chain0	6.66	3.66
802.11ax HE20	106T 54	5825	Chain1	6.66	4.26
802.11ax HE20	106T 54	5825	MIMO	9.67	6.98
802.11ax HE20	242T 61	5745	Chain0	11.71	8.71
802.11ax HE20	242T 61	5745	Chain1	11.71	9.31
802.11ax HE20	242T 61	5745	MIMO	14.72	12.03
802.11ax HE20	242T 61	5785	Chain0	11.79	8.79
802.11ax HE20	242T 61	5785	Chain1	11.80	9.40
802.11ax HE20	242T 61	5785	MIMO	14.81	12.12
802.11ax HE20	242T 61	5825	Chain0	11.63	8.63
802.11ax HE20	242T 61	5825	Chain1	11.66	9.26
802.11ax HE20	242T 61	5825	MIMO	14.66	11.97
802.11ax HE40	26T 0	5755	Chain0	7.56	4.56
802.11ax HE40	26T 0	5755	Chain1	7.52	5.12
802.11ax HE40	26T 0	5755	MIMO	10.55	7.86
802.11ax HE40	26T 0	5795	Chain0	6.74	3.74
802.11ax HE40	26T 0	5795	Chain1	7.54	5.14
802.11ax HE40	26T 0	5795	MIMO	10.17	7.48
802.11ax HE40	26T 10	5755	Chain0	7.48	4.48

802.11ax HE40	26T 10	5755	Chain1	7.49	5.09
802.11ax HE40	26T 10	5755	MIMO	10.50	7.81
802.11ax HE40	26T 10	5795	Chain0	7.42	4.42
802.11ax HE40	26T 10	5795	Chain1	7.46	5.06
802.11ax HE40	26T 10	5795	MIMO	10.45	7.76
802.11ax HE40	26T 17	5755	Chain0	7.50	4.50
802.11ax HE40	26T 17	5755	Chain1	7.52	5.12
802.11ax HE40	26T 17	5755	MIMO	10.52	7.83
802.11ax HE40	26T 17	5795	Chain0	7.79	4.79
802.11ax HE40	26T 17	5795	Chain1	7.80	5.40
802.11ax HE40	26T 17	5795	MIMO	10.81	8.12
802.11ax HE40	52T 37	5755	Chain0	6.92	3.92
802.11ax HE40	52T 37	5755	Chain1	6.91	4.51
802.11ax HE40	52T 37	5755	MIMO	9.93	7.24
802.11ax HE40	52T 37	5795	Chain0	7.82	4.82
802.11ax HE40	52T 37	5795	Chain1	7.80	5.40
802.11ax HE40	52T 37	5795	MIMO	10.82	8.13
802.11ax HE40	52T 41	5755	Chain0	6.88	3.88
802.11ax HE40	52T 41	5755	Chain1	6.90	4.50
802.11ax HE40	52T 41	5755	MIMO	9.90	7.21
802.11ax HE40	52T 41	5795	Chain0	7.48	4.48
802.11ax HE40	52T 41	5795	Chain1	7.47	5.07
802.11ax HE40	52T 41	5795	MIMO	10.49	7.80
802.11ax HE40	52T 44	5755	Chain0	7.70	4.70
802.11ax HE40	52T 44	5755	Chain1	7.71	5.31
802.11ax HE40	52T 44	5755	MIMO	10.72	8.03
802.11ax HE40	52T 44	5795	Chain0	7.46	4.46
802.11ax HE40	52T 44	5795	Chain1	7.47	5.07
802.11ax HE40	52T 44	5795	MIMO	10.48	7.79
802.11ax HE40	106T 53	5755	Chain0	7.70	4.70
802.11ax HE40	106T 53	5755	Chain1	7.71	5.31
802.11ax HE40	106T 53	5755	MIMO	10.72	8.03
802.11ax HE40	106T 53	5795	Chain0	7.82	4.82
802.11ax HE40	106T 53	5795	Chain1	7.83	5.43
802.11ax HE40	106T 53	5795	MIMO	10.84	8.15
802.11ax HE40	106T 55	5755	Chain0	7.45	4.45
802.11ax HE40	106T 55	5755	Chain1	7.47	5.07
802.11ax HE40	106T 55	5755	MIMO	10.47	7.78
802.11ax HE40	106T 55	5795	Chain0	7.94	4.94
802.11ax HE40	106T 55	5795	Chain1	7.94	5.54
802.11ax HE40	106T 55	5795	MIMO	10.95	8.26
802.11ax HE40	106T 56	5755	Chain0	7.47	4.47
802.11ax HE40	106T 56	5755	Chain1	7.50	5.10
802.11ax HE40	106T 56	5755	MIMO	10.50	7.81
802.11ax HE40	242T 61	5755	Chain0	7.46	4.46
802.11ax HE40	242T 61	5755	Chain1	7.49	5.09

802.11ax HE40	242T 61	5755	MIMO	10.49	7.80
802.11ax HE40	242T 61	5795	Chain0	7.62	4.62
802.11ax HE40	242T 61	5795	Chain1	7.62	5.22
802.11ax HE40	242T 61	5795	MIMO	10.63	7.94
802.11ax HE40	242T 62	5755	Chain0	7.41	4.41
802.11ax HE40	242T 62	5755	Chain1	7.45	5.05
802.11ax HE40	242T 62	5755	MIMO	10.44	7.75
802.11ax HE40	242T 62	5795	Chain0	7.63	4.63
802.11ax HE40	242T 62	5795	Chain1	7.64	5.24
802.11ax HE40	242T 62	5795	MIMO	10.65	7.96
802.11ax HE40	484T 65	5755	Chain0	11.97	8.97
802.11ax HE40	484T 65	5755	Chain1	11.88	9.48
802.11ax HE40	484T 65	5755	MIMO	14.94	12.25
802.11ax HE40	484T 65	5795	Chain0	11.73	8.73
802.11ax HE40	484T 65	5795	Chain1	11.67	9.27
802.11ax HE40	484T 65	5795	MIMO	14.71	12.02
802.11ax HE80	26T 0	5775	Chain0	7.65	4.65
802.11ax HE80	26T 0	5775	Chain1	7.64	5.24
802.11ax HE80	26T 0	5775	MIMO	10.66	7.97
802.11ax HE80	26T 18	5775	Chain0	7.66	4.66
802.11ax HE80	26T 18	5775	Chain1	7.64	5.24
802.11ax HE80	26T 18	5775	MIMO	10.66	7.97
802.11ax HE80	26T 36	5775	Chain0	7.63	4.63
802.11ax HE80	26T 36	5775	Chain1	7.69	5.29
802.11ax HE80	26T 36	5775	MIMO	10.67	7.98
802.11ax HE80	52T 37	5775	Chain0	7.67	4.67
802.11ax HE80	52T 37	5775	Chain1	7.63	5.23
802.11ax HE80	52T 37	5775	MIMO	10.66	7.97
802.11ax HE80	52T 45	5775	Chain0	7.68	4.68
802.11ax HE80	52T 45	5775	Chain1	7.67	5.27
802.11ax HE80	52T 45	5775	MIMO	10.69	8.00
802.11ax HE80	52T 52	5775	Chain0	7.69	4.69
802.11ax HE80	52T 52	5775	Chain1	7.63	5.23
802.11ax HE80	52T 52	5775	MIMO	10.67	7.98
802.11ax HE80	106T 53	5775	Chain0	7.68	4.68
802.11ax HE80	106T 53	5775	Chain1	7.66	5.26
802.11ax HE80	106T 53	5775	MIMO	10.68	7.99
802.11ax HE80	106T 57	5775	Chain0	7.68	4.68
802.11ax HE80	106T 57	5775	Chain1	7.64	5.24
802.11ax HE80	106T 57	5775	MIMO	10.67	7.98
802.11ax HE80	106T 60	5775	Chain0	7.67	4.67
802.11ax HE80	106T 60	5775	Chain1	7.66	5.26
802.11ax HE80	106T 60	5775	MIMO	10.68	7.99
802.11ax HE80	242T 61	5775	Chain0	7.62	4.62
802.11ax HE80	242T 61	5775	Chain1	7.58	5.18
802.11ax HE80	242T 61	5775	MIMO	10.61	7.92

802.11ax HE80	242T 63	5775	Chain0	7.61	4.61
802.11ax HE80	242T 63	5775	Chain1	7.62	5.22
802.11ax HE80	242T 63	5775	MIMO	10.63	7.94
802.11ax HE80	242T 64	5775	Chain0	7.58	4.58
802.11ax HE80	242T 64	5775	Chain1	7.59	5.19
802.11ax HE80	242T 64	5775	MIMO	10.60	7.91
802.11ax HE80	484T 65	5775	Chain0	7.58	4.58
802.11ax HE80	484T 65	5775	Chain1	7.59	5.19
802.11ax HE80	484T 65	5775	MIMO	10.60	7.91
802.11ax HE80	484T 66	5775	Chain0	7.48	4.48
802.11ax HE80	484T 66	5775	Chain1	7.59	5.19
802.11ax HE80	484T 66	5775	MIMO	10.55	7.86
802.11ax HE80	996T 67	5775	Chain0	11.41	8.41
802.11ax HE80	996T 67	5775	Chain1	11.40	9.00
802.11ax HE80	996T 67	5775	MIMO	14.42	11.73

Emission Bandwidth

Offset 11.3dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.149	Channel No.157	Channel No.165
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	22.94	22.40	22.61
802.11a	Chain1	22.53	22.25	22.66
802.11n HT20	Chain0	23.20	22.76	22.66
802.11n HT20	Chain1	23.00	23.72	22.79
802.11ac VHT20	Chain0	23.07	23.01	22.68
802.11ac VHT20	Chain1	22.87	22.62	23.49
802.11ax HE20	Chain0	22.19	21.78	22.43
802.11ax HE20	Chain1	23.66	23.46	22.39

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.151	---	Channel No.159
		5755MHz	---	5795MHz
802.11n HT40	Chain0	44.56	---	43.47
802.11n HT40	Chain1	44.27	---	45.02
802.11ac VHT40	Chain0	42.99	---	43.84
802.11ac VHT40	Chain1	44.43	---	43.40
802.11ax HE40	Chain0	43.69	---	41.26
802.11ax HE40	Chain1	42.22	---	42.46

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.155	---	---
		5775MHz	---	---
802.11ac VHT80	Chain0	87.74	---	---
802.11ac VHT80	Chain1	88.12	---	---
802.11ax HE80	Chain0	85.06	---	---
802.11ax HE80	Chain1	84.21	---	---

Test Mode: 802.11a
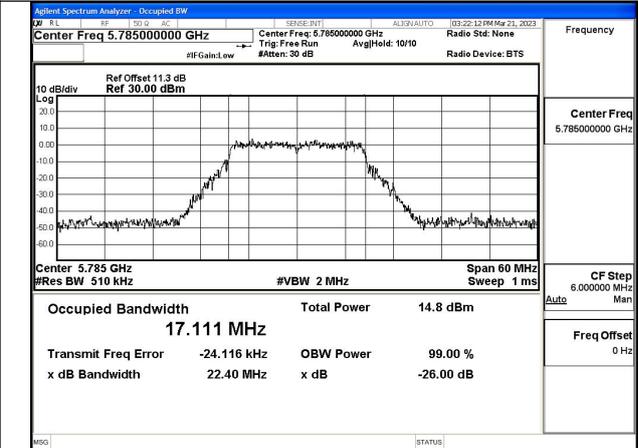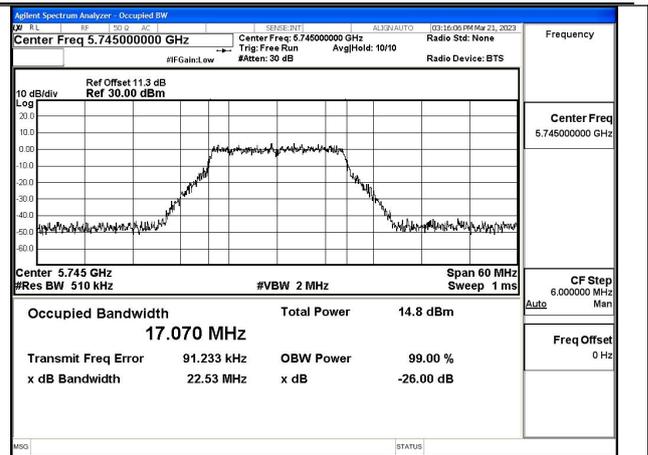

Test Mode:802.11a 5745MHz Chain0

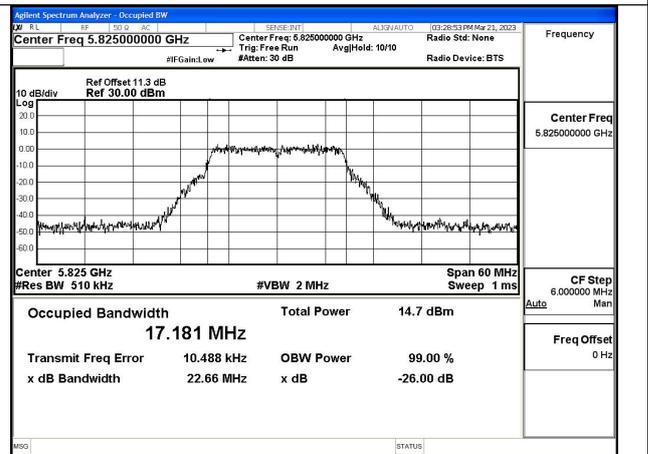

Test Mode:802.11a 5785MHz Chain0

Test Mode:802.11a 5825MHz Chain0

Test Mode:802.11a 5745MHz Chain1
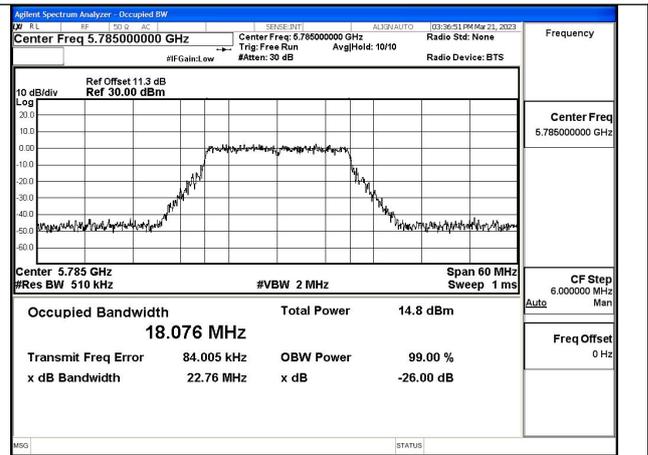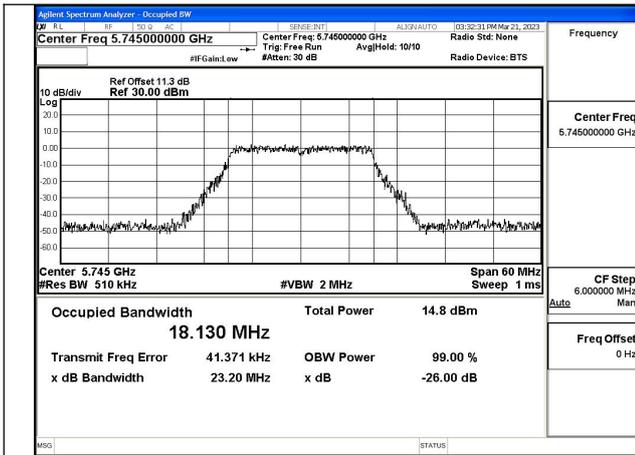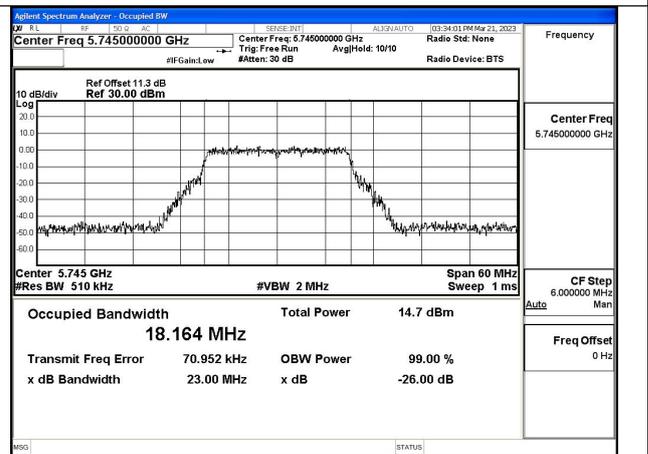

Test Mode:802.11a 5785MHz Chain1
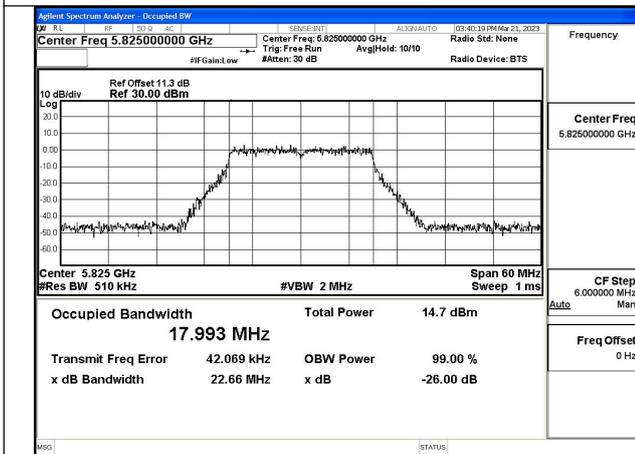

Test Mode:802.11a 5825MHz Chain1
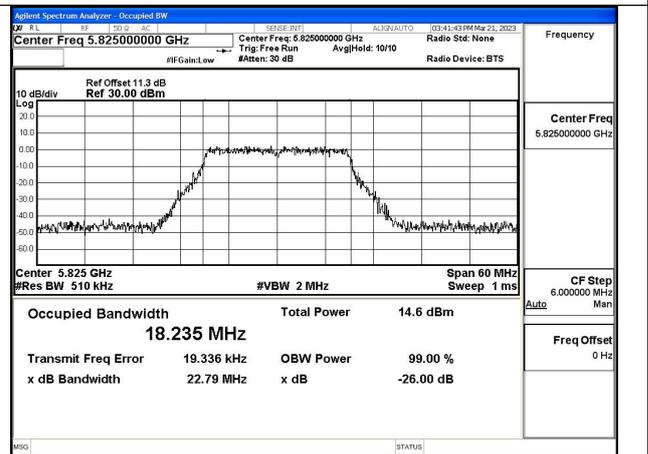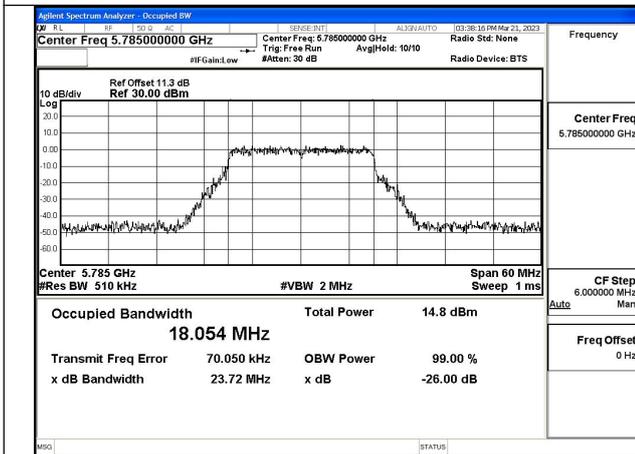
Test Mode: 802.11n HT20

Test Mode:802.11n HT20 5745MHz Chain0

Test Mode:802.11n HT20 5785MHz Chain0
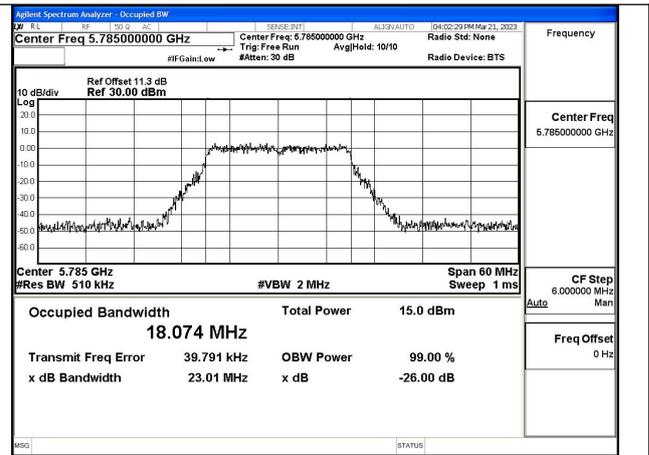

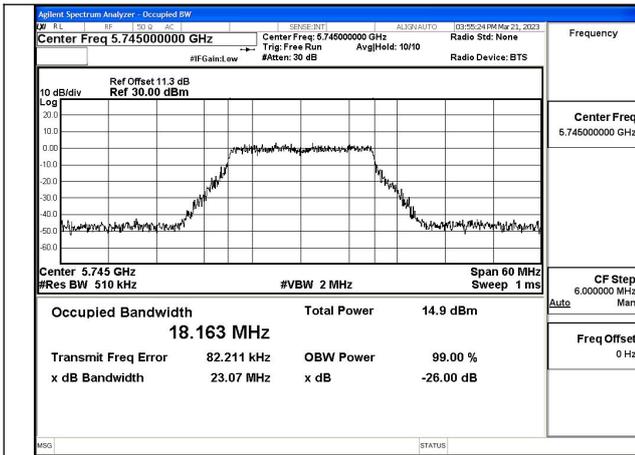### Test Mode:802.11n HT20 5825MHz Chain0

Test Mode:802.11n HT20 5745MHz Chain1
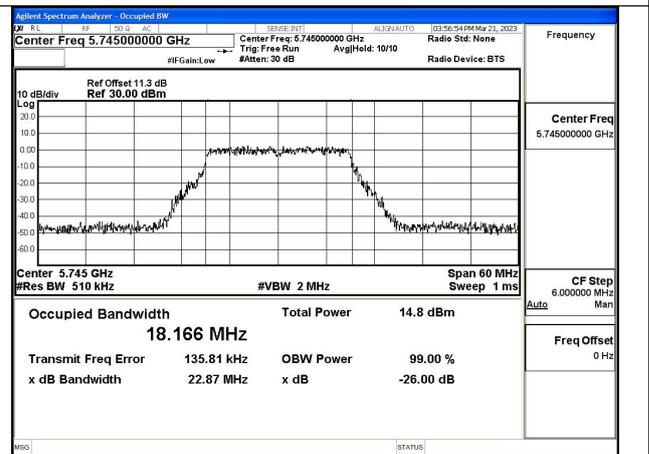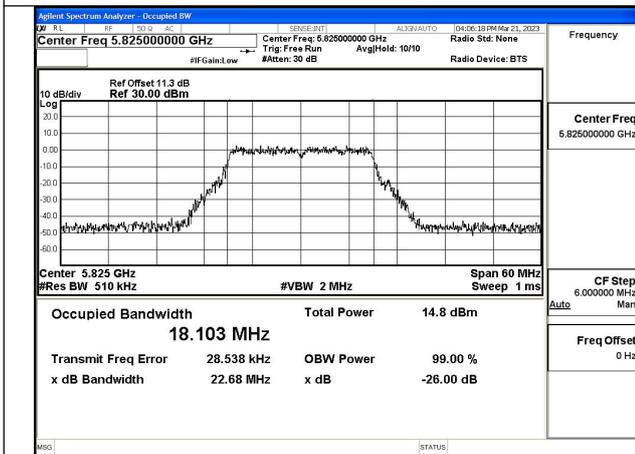

Test Mode:802.11n HT20 5785MHz Chain1

Test Mode:802.11n HT20 5825MHz Chain1
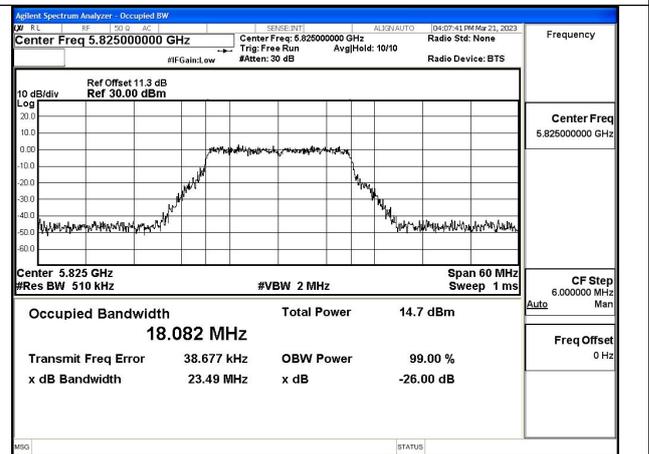
Test Mode: 802.11ac VHT20

Occupied Bandwidth	18.163 MHz	Total Power	14.9 dBm
Transmit Freq Error	82.211 kHz	OBW Power	99.00 %
x dB Bandwidth	23.07 MHz	x dB	-26.00 dB

Test Mode:802.11ac VHT20 5745MHz Chain0

Occupied Bandwidth	18.074 MHz	Total Power	15.0 dBm
Transmit Freq Error	39.791 kHz	OBW Power	99.00 %
x dB Bandwidth	23.01 MHz	x dB	-26.00 dB

Test Mode:802.11ac VHT20 5785MHz Chain0

Occupied Bandwidth	18.103 MHz	Total Power	14.8 dBm
Transmit Freq Error	28.538 kHz	OBW Power	99.00 %
x dB Bandwidth	22.68 MHz	x dB	-26.00 dB

Test Mode:802.11ac VHT20 5825MHz Chain0

Occupied Bandwidth	18.166 MHz	Total Power	14.8 dBm
Transmit Freq Error	135.81 kHz	OBW Power	99.00 %
x dB Bandwidth	22.87 MHz	x dB	-26.00 dB

Test Mode:802.11ac VHT20 5745MHz Chain1

Occupied Bandwidth	18.071 MHz	Total Power	14.9 dBm
Transmit Freq Error	39.513 kHz	OBW Power	99.00 %
x dB Bandwidth	22.62 MHz	x dB	-26.00 dB

Test Mode:802.11ac VHT20 5785MHz Chain1

Occupied Bandwidth	18.082 MHz	Total Power	14.7 dBm
Transmit Freq Error	38.677 kHz	OBW Power	99.00 %
x dB Bandwidth	23.49 MHz	x dB	-26.00 dB

Test Mode:802.11ac VHT20 5825MHz Chain1