

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	98.48%	0	Fig.1
802.11a	5745	98.59%	0	Fig.2
802.11n HT20	5745	98.49%	0	Fig.3
802.11n HT20	5745	98.60%	0	Fig.4
802.11ac VHT20	5745	98.52%	0	Fig.5
802.11ac VHT20	5745	98.46%	0	Fig.6
802.11ax HE20	5745	98.34%	0	Fig.7
802.11ax HE20	5745	98.14%	0	Fig.8
802.11n HT40	5755	97.82%	0.10	Fig.9
802.11n HT40	5755	97.69%	0.10	Fig.10
802.11ac VHT40	5755	97.67%	0.10	Fig.11
802.11ac VHT40	5755	97.57%	0.11	Fig.12
802.11ax HE40	5755	96.97%	0.13	Fig.13
802.11ax HE40	5755	96.99%	0.13	Fig.14
802.11ac VHT80	5775	96.96%	0.13	Fig.15
802.11ac VHT80	5775	96.94%	0.14	Fig.16
802.11ax HE80	5775	96.98%	0.13	Fig.17
802.11ax HE80	5775	96.91%	0.14	Fig.18

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

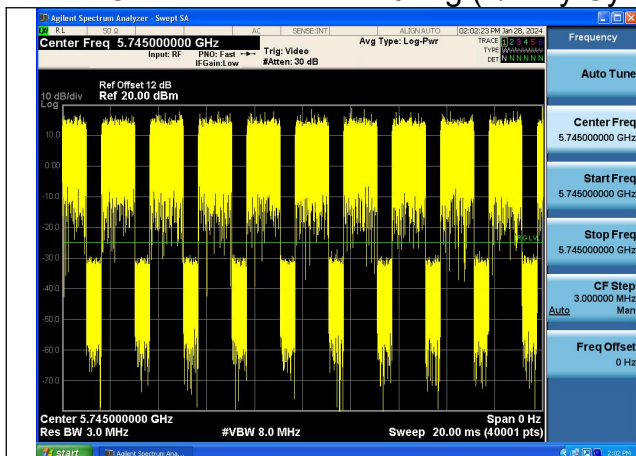


Fig.1

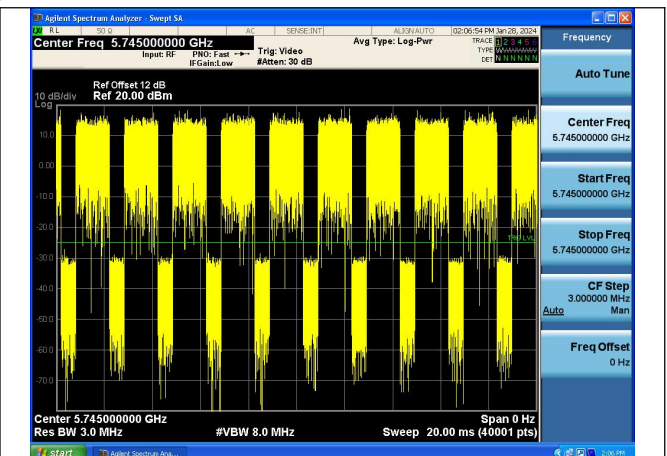


Fig.2

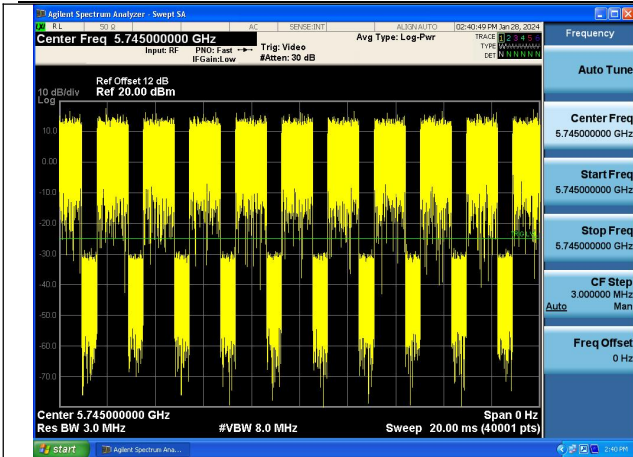


Fig.3

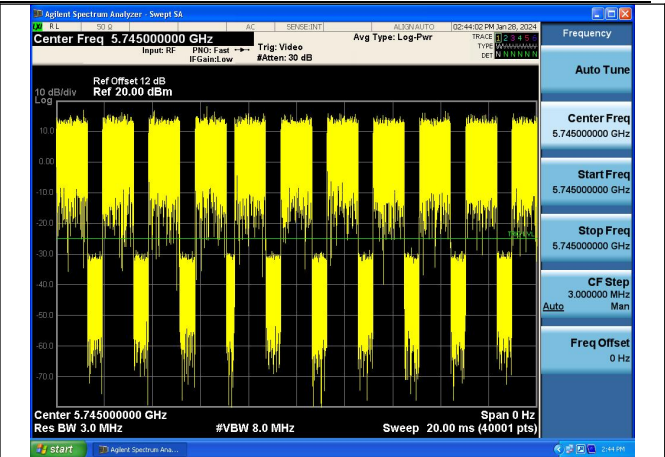


Fig.4

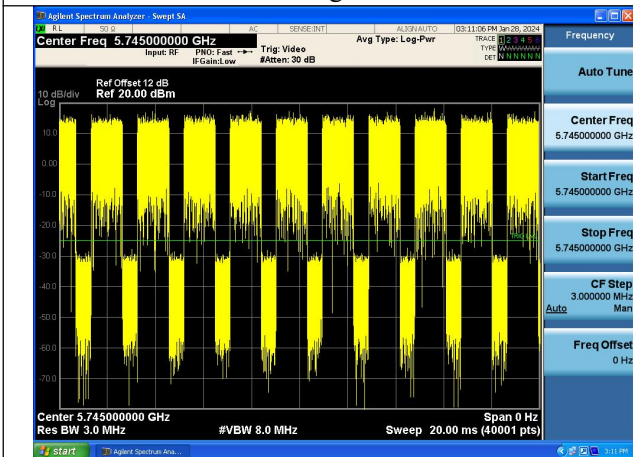


Fig.5

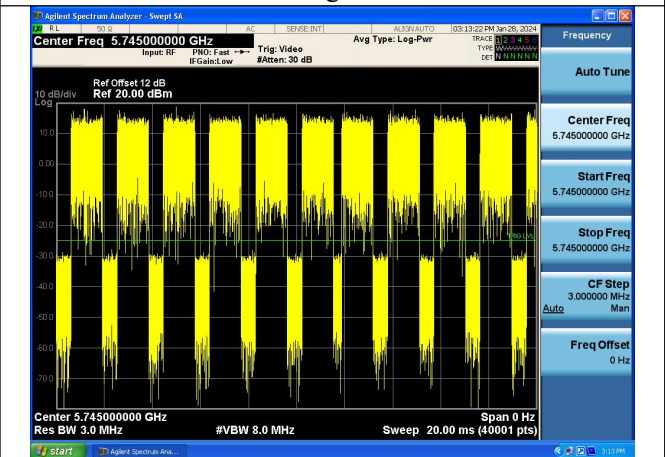


Fig.6

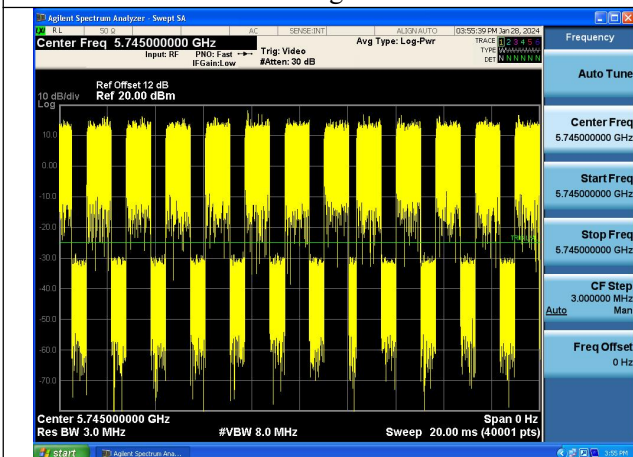


Fig.7

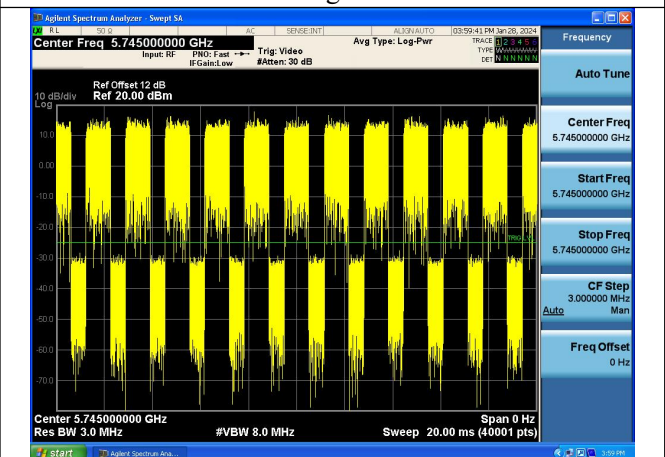


Fig.8

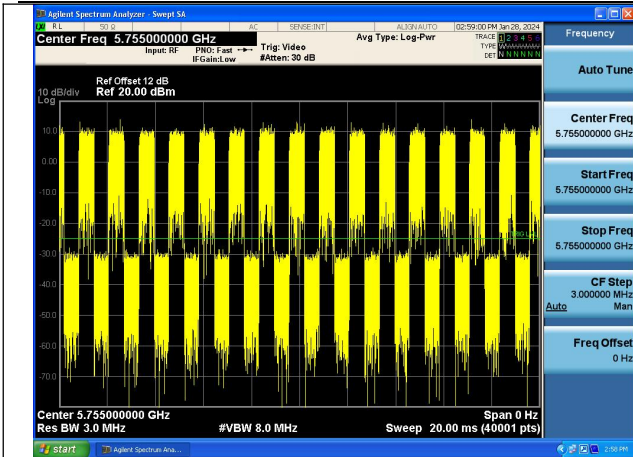


Fig.9

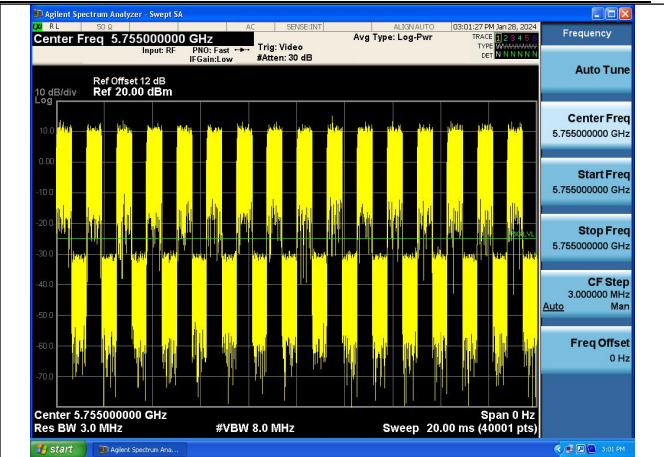


Fig.10

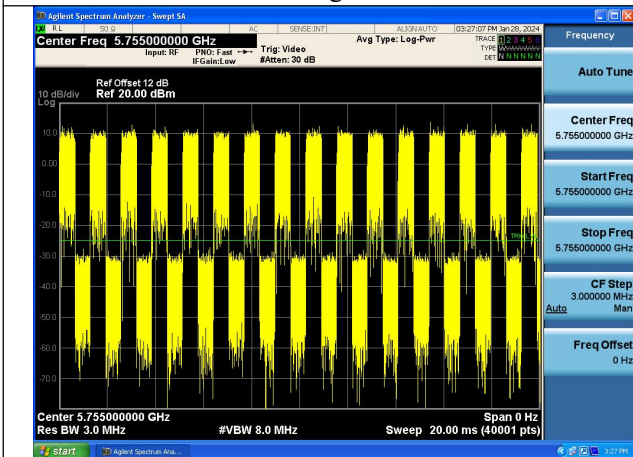


Fig.11

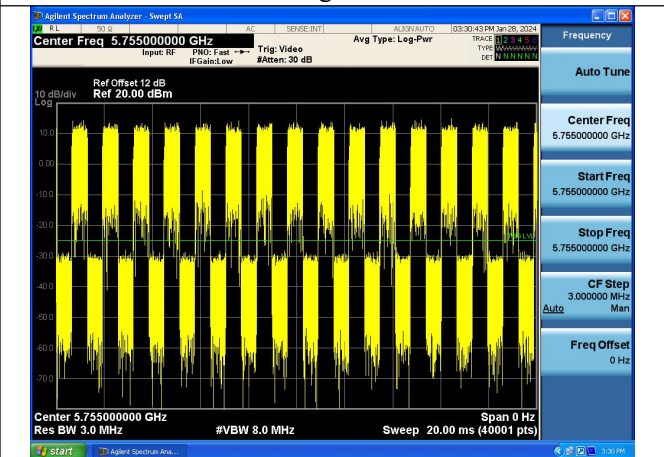


Fig.12

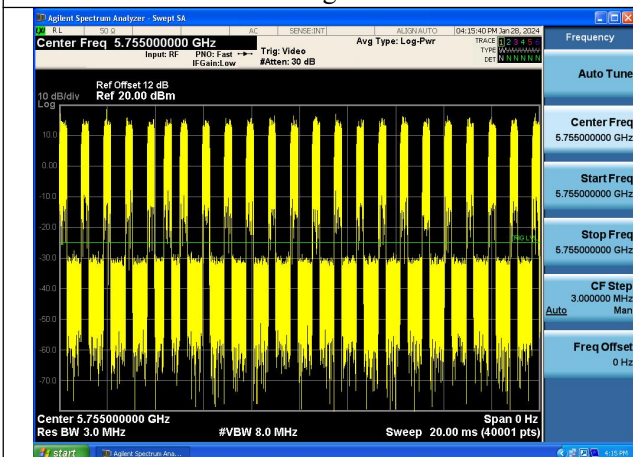


Fig.13



Fig.14

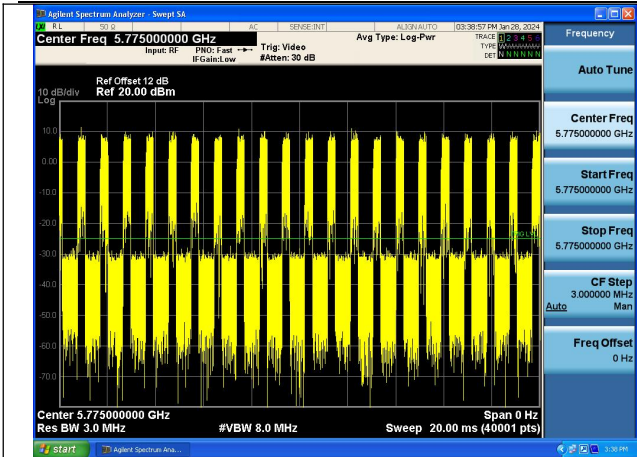


Fig.15

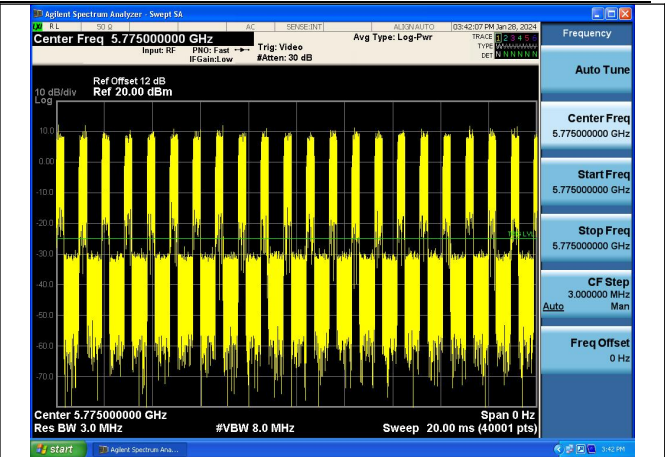


Fig.16

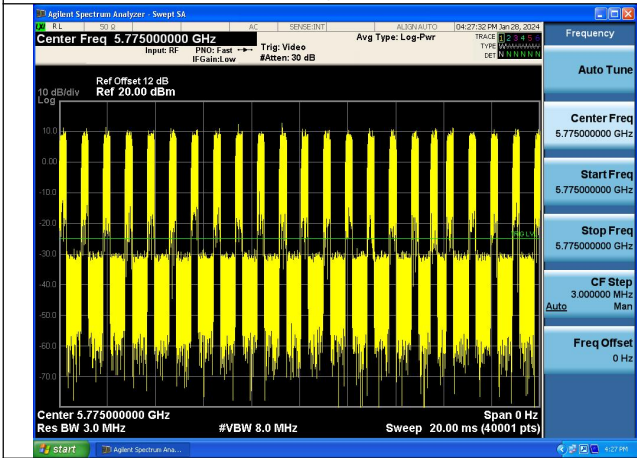


Fig.17

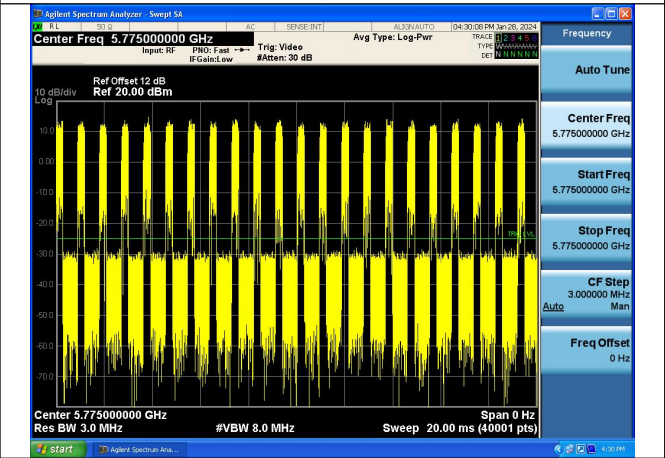


Fig.18

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	11.95	15.84
802.11a	NA	5745	Chain1	12.39	16.28
802.11a	NA	5785	Chain0	12.70	16.59
802.11a	NA	5785	Chain1	12.49	16.38
802.11a	NA	5825	Chain0	12.98	16.87
802.11a	NA	5825	Chain1	13.08	16.97
802.11n HT20	NA	5745	Chain0	11.42	15.31
802.11n HT20	NA	5745	Chain1	11.23	15.12
802.11n HT20	NA	5745	MIMO	14.34	18.23
802.11n HT20	NA	5785	Chain0	11.58	15.47
802.11n HT20	NA	5785	Chain1	11.51	15.40
802.11n HT20	NA	5785	MIMO	14.56	18.45
802.11n HT20	NA	5825	Chain0	11.98	15.87
802.11n HT20	NA	5825	Chain1	11.87	15.76
802.11n HT20	NA	5825	MIMO	14.94	18.83
802.11ac VHT20	NA	5745	Chain0	12.36	16.25
802.11ac VHT20	NA	5745	Chain1	11.47	15.36
802.11ac VHT20	NA	5745	MIMO	14.95	18.84
802.11ac VHT20	NA	5785	Chain0	12.14	16.03
802.11ac VHT20	NA	5785	Chain1	12.36	16.25
802.11ac VHT20	NA	5785	MIMO	15.26	19.15
802.11ac VHT20	NA	5825	Chain0	13.05	16.94
802.11ac VHT20	NA	5825	Chain1	12.27	16.16
802.11ac VHT20	NA	5825	MIMO	15.69	19.58
802.11n HT40	NA	5755	Chain0	10.24	14.13
802.11n HT40	NA	5755	Chain1	10.53	14.42
802.11n HT40	NA	5755	MIMO	13.40	17.29
802.11n HT40	NA	5795	Chain0	11.69	15.58
802.11n HT40	NA	5795	Chain1	11.05	14.94
802.11n HT40	NA	5795	MIMO	14.39	18.28
802.11ac VHT40	NA	5755	Chain0	9.79	13.68
802.11ac VHT40	NA	5755	Chain1	11.55	15.44
802.11ac VHT40	NA	5755	MIMO	13.77	17.66
802.11ac VHT40	NA	5795	Chain0	12.01	15.90
802.11ac VHT40	NA	5795	Chain1	11.91	15.80
802.11ac VHT40	NA	5795	MIMO	14.97	18.86
802.11ac VHT80	NA	5775	Chain0	9.31	13.20
802.11ac VHT80	NA	5775	Chain1	10.42	14.31
802.11ac VHT80	NA	5775	MIMO	12.91	16.80

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average	EIRP (dBm)
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				power output(dBm)	
802.11ax HE20	26T 0	5745	Chain0	11.03	14.92
802.11ax HE20	26T 0	5745	Chain1	11.48	15.37
802.11ax HE20	26T 0	5745	MIMO	14.27	18.16
802.11ax HE20	26T 0	5785	Chain0	11.59	15.48
802.11ax HE20	26T 0	5785	Chain1	10.27	14.16
802.11ax HE20	26T 0	5785	MIMO	13.99	17.88
802.11ax HE20	26T 0	5825	Chain0	10.92	14.81
802.11ax HE20	26T 0	5825	Chain1	10.60	14.49
802.11ax HE20	26T 0	5825	MIMO	13.77	17.66
802.11ax HE20	26T 4	5745	Chain0	10.38	14.27
802.11ax HE20	26T 4	5745	Chain1	10.06	13.95
802.11ax HE20	26T 4	5745	MIMO	13.23	17.12
802.11ax HE20	26T 4	5785	Chain0	10.50	14.39
802.11ax HE20	26T 4	5785	Chain1	10.90	14.79
802.11ax HE20	26T 4	5785	MIMO	13.71	17.60
802.11ax HE20	26T 4	5825	Chain0	10.91	14.80
802.11ax HE20	26T 4	5825	Chain1	10.91	14.80
802.11ax HE20	26T 4	5825	MIMO	13.92	17.81
802.11ax HE20	26T 8	5745	Chain0	10.45	14.34
802.11ax HE20	26T 8	5745	Chain1	9.91	13.80
802.11ax HE20	26T 8	5745	MIMO	13.20	17.09
802.11ax HE20	26T 8	5785	Chain0	10.75	14.64
802.11ax HE20	26T 8	5785	Chain1	10.45	14.34
802.11ax HE20	26T 8	5785	MIMO	13.61	17.50
802.11ax HE20	26T 8	5825	Chain0	10.89	14.78
802.11ax HE20	26T 8	5825	Chain1	11.14	15.03
802.11ax HE20	26T 8	5825	MIMO	14.03	17.92
802.11ax HE20	52T 37	5745	Chain0	10.21	14.10
802.11ax HE20	52T 37	5745	Chain1	10.18	14.07
802.11ax HE20	52T 37	5745	MIMO	13.21	17.10
802.11ax HE20	52T 37	5785	Chain0	9.95	13.84
802.11ax HE20	52T 37	5785	Chain1	10.10	13.99
802.11ax HE20	52T 37	5785	MIMO	13.04	16.93
802.11ax HE20	52T 37	5825	Chain0	10.82	14.71
802.11ax HE20	52T 37	5825	Chain1	10.80	14.69
802.11ax HE20	52T 37	5825	MIMO	13.82	17.71
802.11ax HE20	52T 39	5745	Chain0	10.22	14.11
802.11ax HE20	52T 39	5745	Chain1	10.40	14.29
802.11ax HE20	52T 39	5745	MIMO	13.32	17.21
802.11ax HE20	52T 39	5785	Chain0	10.56	14.45
802.11ax HE20	52T 39	5785	Chain1	10.68	14.57
802.11ax HE20	52T 39	5785	MIMO	13.63	17.52
802.11ax HE20	52T 39	5825	Chain0	11.13	15.02
802.11ax HE20	52T 39	5825	Chain1	10.95	14.84

802.11ax HE20	52T 39	5825	MIMO	14.05	17.94
802.11ax HE20	52T 40	5745	Chain0	10.30	14.19
802.11ax HE20	52T 40	5745	Chain1	10.03	13.92
802.11ax HE20	52T 40	5745	MIMO	13.18	17.07
802.11ax HE20	52T 40	5785	Chain0	10.31	14.20
802.11ax HE20	52T 40	5785	Chain1	10.68	14.57
802.11ax HE20	52T 40	5785	MIMO	13.51	17.40
802.11ax HE20	52T 40	5825	Chain0	10.82	14.71
802.11ax HE20	52T 40	5825	Chain1	10.89	14.78
802.11ax HE20	52T 40	5825	MIMO	13.87	17.76
802.11ax HE20	106T 53	5745	Chain0	10.09	13.98
802.11ax HE20	106T 53	5745	Chain1	9.73	13.62
802.11ax HE20	106T 53	5745	MIMO	12.92	16.81
802.11ax HE20	106T 53	5785	Chain0	10.00	13.89
802.11ax HE20	106T 53	5785	Chain1	10.33	14.22
802.11ax HE20	106T 53	5785	MIMO	13.18	17.07
802.11ax HE20	106T 53	5825	Chain0	10.58	14.47
802.11ax HE20	106T 53	5825	Chain1	10.27	14.16
802.11ax HE20	106T 53	5825	MIMO	13.44	17.33
802.11ax HE20	106T 54	5745	Chain0	10.08	13.97
802.11ax HE20	106T 54	5745	Chain1	9.94	13.83
802.11ax HE20	106T 54	5745	MIMO	13.02	16.91
802.11ax HE20	106T 54	5785	Chain0	10.42	14.31
802.11ax HE20	106T 54	5785	Chain1	10.96	14.85
802.11ax HE20	106T 54	5785	MIMO	13.71	17.60
802.11ax HE20	106T 54	5825	Chain0	11.25	15.14
802.11ax HE20	106T 54	5825	Chain1	10.63	14.52
802.11ax HE20	106T 54	5825	MIMO	13.96	17.85
802.11ax HE20	242T 61	5745	Chain0	10.87	14.76
802.11ax HE20	242T 61	5745	Chain1	11.02	14.91
802.11ax HE20	242T 61	5745	MIMO	13.96	17.85
802.11ax HE20	242T 61	5785	Chain0	10.81	14.70
802.11ax HE20	242T 61	5785	Chain1	11.12	15.01
802.11ax HE20	242T 61	5785	MIMO	13.98	17.87
802.11ax HE20	242T 61	5825	Chain0	11.53	15.42
802.11ax HE20	242T 61	5825	Chain1	11.62	15.51
802.11ax HE20	242T 61	5825	MIMO	14.59	18.48
802.11ax HE40	26T 0	5755	Chain0	9.99	13.88
802.11ax HE40	26T 0	5755	Chain1	10.20	14.09
802.11ax HE40	26T 0	5755	MIMO	13.11	17.00
802.11ax HE40	26T 0	5795	Chain0	10.16	14.05
802.11ax HE40	26T 0	5795	Chain1	10.06	13.95
802.11ax HE40	26T 0	5795	MIMO	13.12	17.01
802.11ax HE40	26T 10	5755	Chain0	9.26	13.15
802.11ax HE40	26T 10	5755	Chain1	8.57	12.46
802.11ax HE40	26T 10	5755	MIMO	11.94	15.83

802.11ax HE40	26T 10	5795	Chain0	9.59	13.48
802.11ax HE40	26T 10	5795	Chain1	9.56	13.45
802.11ax HE40	26T 10	5795	MIMO	12.59	16.48
802.11ax HE40	26T 17	5755	Chain0	8.51	12.40
802.11ax HE40	26T 17	5755	Chain1	8.02	11.91
802.11ax HE40	26T 17	5755	MIMO	11.28	15.17
802.11ax HE40	26T 17	5795	Chain0	8.86	12.75
802.11ax HE40	26T 17	5795	Chain1	9.09	12.98
802.11ax HE40	26T 17	5795	MIMO	11.99	15.88
802.11ax HE40	52T 37	5755	Chain0	10.03	13.92
802.11ax HE40	52T 37	5755	Chain1	10.09	13.98
802.11ax HE40	52T 37	5755	MIMO	13.07	16.96
802.11ax HE40	52T 37	5795	Chain0	10.78	14.67
802.11ax HE40	52T 37	5795	Chain1	10.10	13.99
802.11ax HE40	52T 37	5795	MIMO	13.46	17.35
802.11ax HE40	52T 41	5755	Chain0	10.24	14.13
802.11ax HE40	52T 41	5755	Chain1	10.66	14.55
802.11ax HE40	52T 41	5755	MIMO	13.47	17.36
802.11ax HE40	52T 41	5795	Chain0	11.07	14.96
802.11ax HE40	52T 41	5795	Chain1	11.12	15.01
802.11ax HE40	52T 41	5795	MIMO	14.11	18.00
802.11ax HE40	52T 44	5755	Chain0	10.35	14.24
802.11ax HE40	52T 44	5755	Chain1	10.25	14.14
802.11ax HE40	52T 44	5755	MIMO	13.31	17.20
802.11ax HE40	52T 44	5795	Chain0	11.21	15.10
802.11ax HE40	52T 44	5795	Chain1	10.68	14.57
802.11ax HE40	52T 44	5795	MIMO	13.96	17.85
802.11ax HE40	106T 53	5755	Chain0	9.92	13.81
802.11ax HE40	106T 53	5755	Chain1	10.64	14.53
802.11ax HE40	106T 53	5755	MIMO	13.31	17.20
802.11ax HE40	106T 53	5795	Chain0	10.39	14.28
802.11ax HE40	106T 53	5795	Chain1	10.15	14.04
802.11ax HE40	106T 53	5795	MIMO	13.28	17.17
802.11ax HE40	106T 55	5755	Chain0	10.32	14.21
802.11ax HE40	106T 55	5755	Chain1	10.21	14.10
802.11ax HE40	106T 55	5755	MIMO	13.28	17.17
802.11ax HE40	106T 55	5795	Chain0	11.13	15.02
802.11ax HE40	106T 55	5795	Chain1	11.10	14.99
802.11ax HE40	106T 55	5795	MIMO	14.13	18.02
802.11ax HE40	106T 56	5755	Chain0	10.41	14.30
802.11ax HE40	106T 56	5755	Chain1	10.19	14.08
802.11ax HE40	106T 56	5755	MIMO	13.31	17.20
802.11ax HE40	106T 56	5795	Chain0	10.84	14.73
802.11ax HE40	106T 56	5795	Chain1	10.69	14.58
802.11ax HE40	106T 56	5795	MIMO	13.78	17.67
802.11ax HE40	242T 61	5755	Chain0	10.39	14.28

802.11ax HE40	242T 61	5755	Chain1	9.74	13.63
802.11ax HE40	242T 61	5755	MIMO	13.09	16.98
802.11ax HE40	242T 61	5795	Chain0	10.15	14.04
802.11ax HE40	242T 61	5795	Chain1	10.43	14.32
802.11ax HE40	242T 61	5795	MIMO	13.30	17.19
802.11ax HE40	242T 62	5755	Chain0	10.00	13.89
802.11ax HE40	242T 62	5755	Chain1	9.71	13.60
802.11ax HE40	242T 62	5755	MIMO	12.87	16.76
802.11ax HE40	242T 62	5795	Chain0	10.61	14.50
802.11ax HE40	242T 62	5795	Chain1	10.63	14.52
802.11ax HE40	242T 62	5795	MIMO	13.63	17.52
802.11ax HE40	484T 65	5755	Chain0	11.28	15.17
802.11ax HE40	484T 65	5755	Chain1	11.32	15.21
802.11ax HE40	484T 65	5755	MIMO	14.31	18.20
802.11ax HE40	484T 65	5795	Chain0	12.12	16.01
802.11ax HE40	484T 65	5795	Chain1	12.14	16.03
802.11ax HE40	484T 65	5795	MIMO	15.14	19.03
802.11ax HE80	26T 0	5775	Chain0	10.11	14.00
802.11ax HE80	26T 0	5775	Chain1	9.94	13.83
802.11ax HE80	26T 0	5775	MIMO	13.04	16.93
802.11ax HE80	26T 18	5775	Chain0	7.24	11.13
802.11ax HE80	26T 18	5775	Chain1	8.76	12.65
802.11ax HE80	26T 18	5775	MIMO	11.08	14.97
802.11ax HE80	26T 36	5775	Chain0	8.44	12.33
802.11ax HE80	26T 36	5775	Chain1	8.64	12.53
802.11ax HE80	26T 36	5775	MIMO	11.55	15.44
802.11ax HE80	52T 37	5775	Chain0	9.88	13.77
802.11ax HE80	52T 37	5775	Chain1	9.58	13.47
802.11ax HE80	52T 37	5775	MIMO	12.74	16.63
802.11ax HE80	52T 45	5775	Chain0	9.61	13.50
802.11ax HE80	52T 45	5775	Chain1	8.96	12.85
802.11ax HE80	52T 45	5775	MIMO	12.31	16.20
802.11ax HE80	52T 52	5775	Chain0	10.82	14.71
802.11ax HE80	52T 52	5775	Chain1	9.95	13.84
802.11ax HE80	52T 52	5775	MIMO	13.42	17.31
802.11ax HE80	106T 53	5775	Chain0	9.62	13.51
802.11ax HE80	106T 53	5775	Chain1	9.75	13.64
802.11ax HE80	106T 53	5775	MIMO	12.70	16.59
802.11ax HE80	106T 57	5775	Chain0	9.53	13.42
802.11ax HE80	106T 57	5775	Chain1	9.35	13.24
802.11ax HE80	106T 57	5775	MIMO	12.45	16.34
802.11ax HE80	106T 60	5775	Chain0	9.98	13.87
802.11ax HE80	106T 60	5775	Chain1	10.30	14.19
802.11ax HE80	106T 60	5775	MIMO	13.15	17.04
802.11ax HE80	242T 61	5775	Chain0	10.01	13.90
802.11ax HE80	242T 61	5775	Chain1	8.85	12.74

802.11ax HE80	242T 61	5775	MIMO	12.48	16.37
802.11ax HE80	242T 63	5775	Chain0	9.63	13.52
802.11ax HE80	242T 63	5775	Chain1	10.26	14.15
802.11ax HE80	242T 63	5775	MIMO	12.97	16.86
802.11ax HE80	242T 64	5775	Chain0	9.83	13.72
802.11ax HE80	242T 64	5775	Chain1	10.05	13.94
802.11ax HE80	242T 64	5775	MIMO	12.95	16.84
802.11ax HE80	484T 65	5775	Chain0	9.20	13.09
802.11ax HE80	484T 65	5775	Chain1	9.53	13.42
802.11ax HE80	484T 65	5775	MIMO	12.38	16.27
802.11ax HE80	484T 66	5775	Chain0	9.38	13.27
802.11ax HE80	484T 66	5775	Chain1	9.70	13.59
802.11ax HE80	484T 66	5775	MIMO	12.55	16.44
802.11ax HE80	996T 67	5775	Chain0	9.08	12.97
802.11ax HE80	996T 67	5775	Chain1	12.20	16.09
802.11ax HE80	996T 67	5775	MIMO	13.92	17.81

Emission Bandwidth

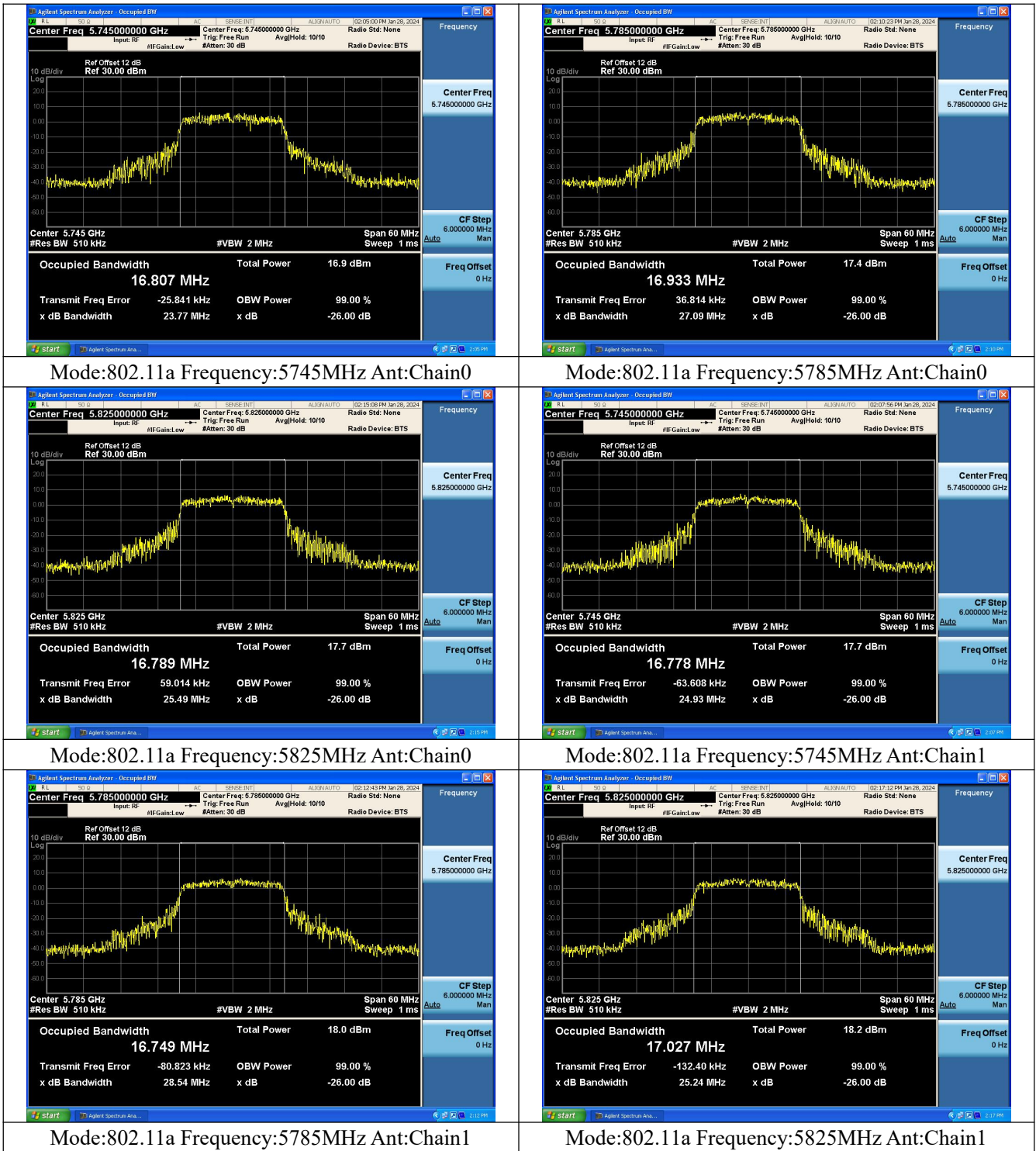
Offset 12dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	23.77	27.09	25.49
802.11a	Chain1	24.93	28.54	25.24
802.11n HT20	Chain0	25.35	26.38	27.15
802.11n HT20	Chain1	26.33	27.57	25.73
802.11ac VHT20	Chain0	26.53	28.39	26.77
802.11ac VHT20	Chain1	27.23	25.97	28.09
802.11ax HE20	Chain0	21.73	20.86	22.23
802.11ax HE20	Chain1	21.27	21.89	27.11

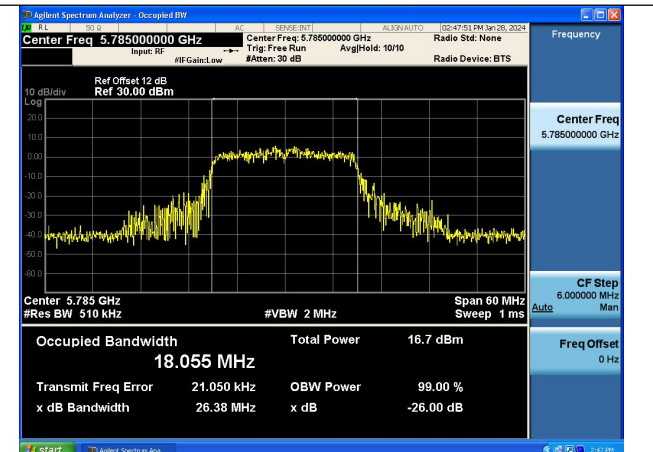
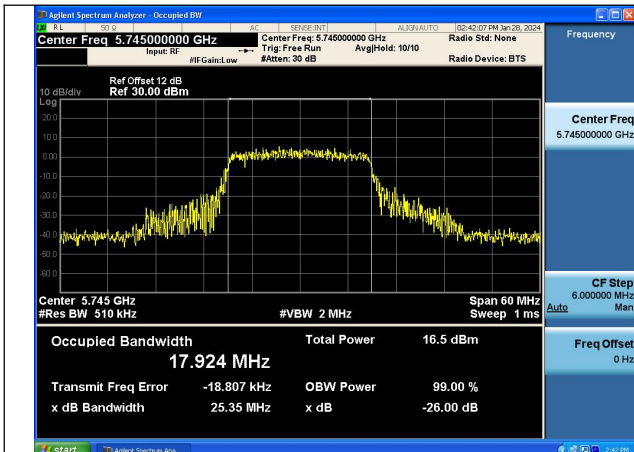
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5755MHz	---	5795MHz
802.11n HT40	Chain0	40.71	---	40.23
802.11n HT40	Chain1	39.99	---	40.04
802.11ac VHT40	Chain0	39.75	---	39.00
802.11ac VHT40	Chain1	39.68	---	39.97
802.11ax HE40	Chain0	42.23	---	39.71
802.11ax HE40	Chain1	39.90	---	39.97

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5775MHz	---	---
802.11ac VHT80	Chain0	80.82	---	---
802.11ac VHT80	Chain1	80.83	---	---
802.11ax HE80	Chain0	87.09	---	---
802.11ax HE80	Chain1	103.58	---	---

Test Mode: 802.11a

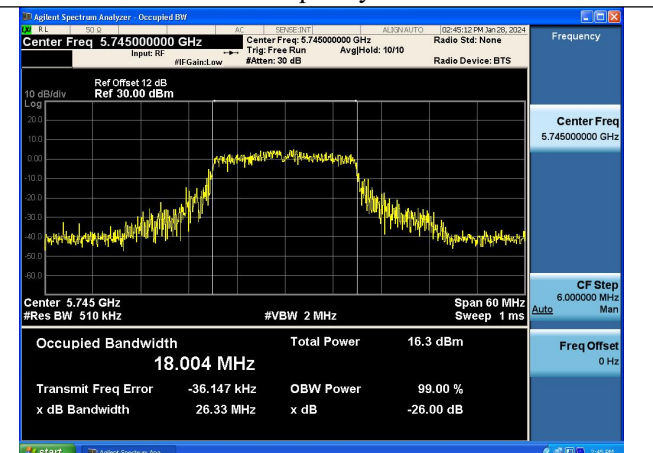
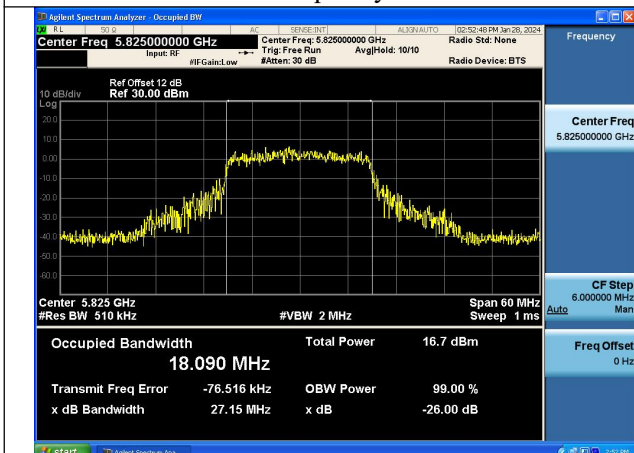


Test Mode: 802.11n HT20



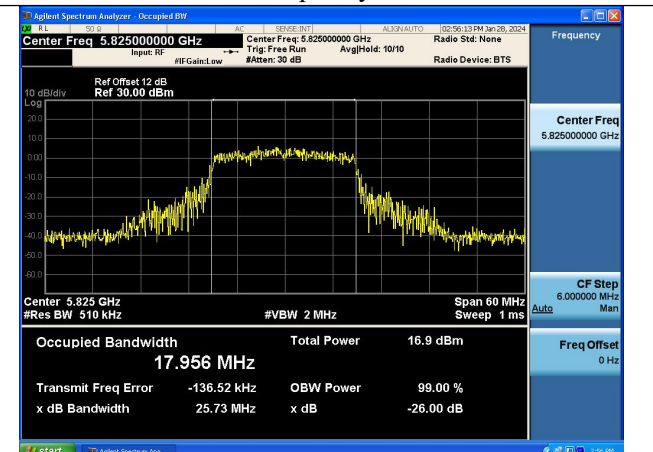
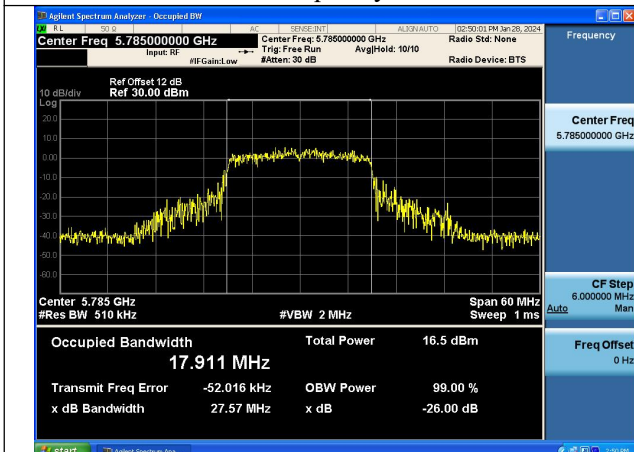
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5785MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5825MHz Ant:Chain0

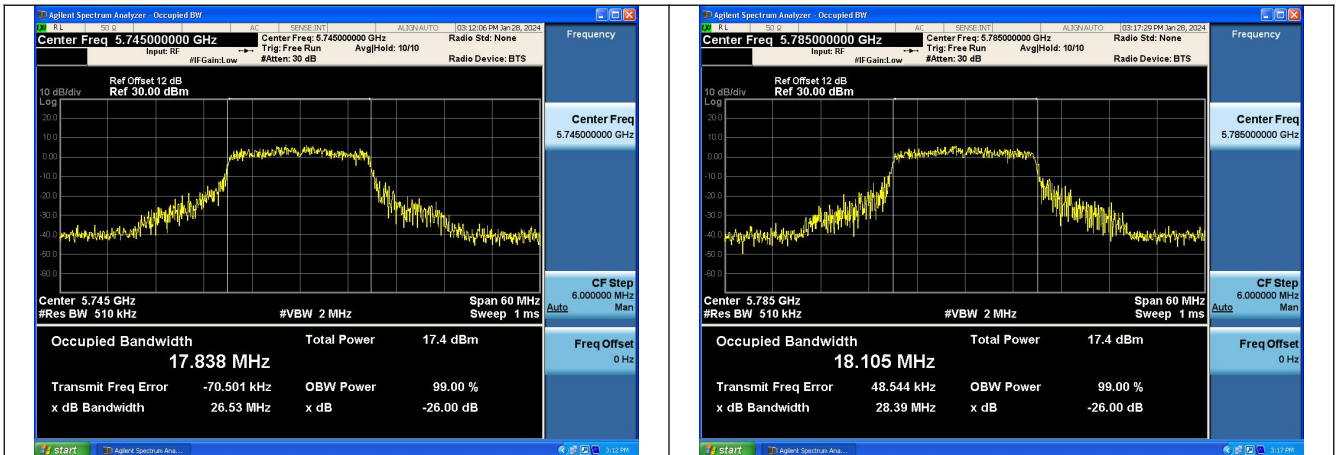
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5785MHz Ant:Chain1

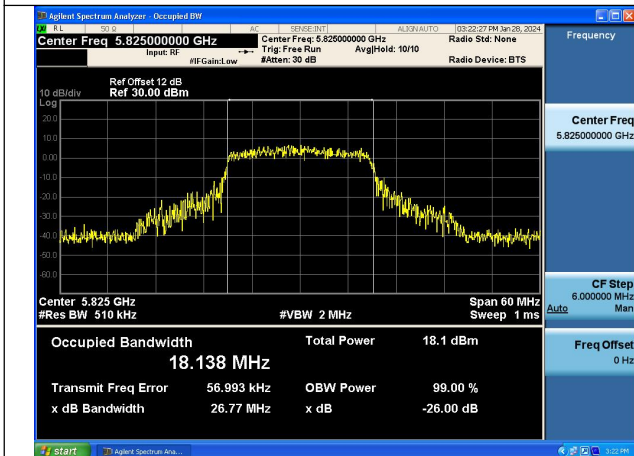
Mode:802.11n HT20 Frequency:5825MHz Ant:Chain1

Test Mode: 802.11ac VHT20

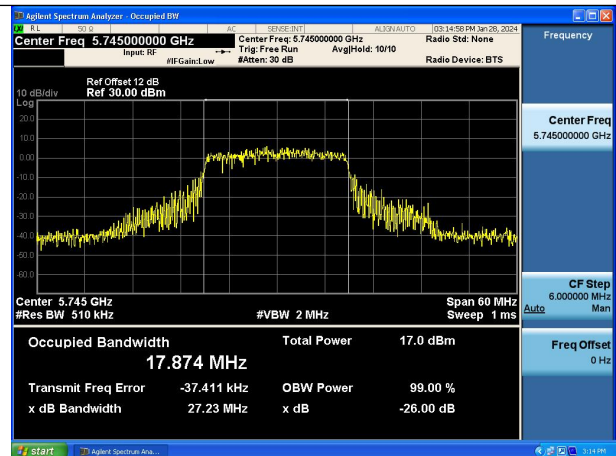


Mode:802.11ac VHT20 Frequency:5745MHz
Ant:Chain0

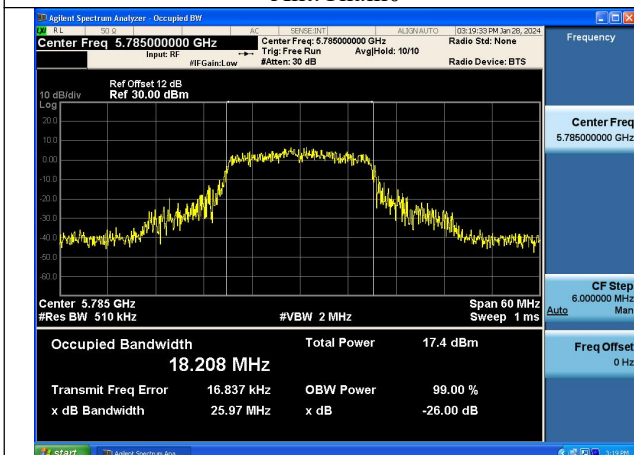
Mode:802.11ac VHT20 Frequency:5785MHz
Ant:Chain0



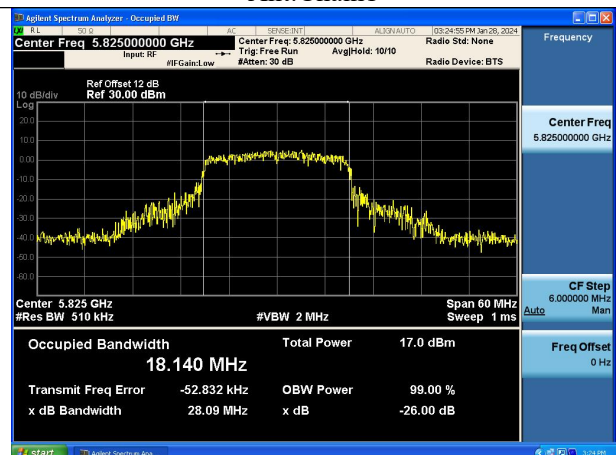
Mode:802.11ac VHT20 Frequency:5825MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5745MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5785MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5825MHz
Ant:Chain1