

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

RTL8852BE

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5500	98.62%	0	Fig.1
802.11a	5500	98.61%	0	Fig.2
802.11n HT20	5500	98.64%	0	Fig.3
802.11n HT20	5500	98.64%	0	Fig.4
802.11ac VHT20	5500	98.69%	0	Fig.5
802.11ac VHT20	5500	98.73%	0	Fig.6
802.11ax HE20	5500	98.26%	0	Fig.7
802.11ax HE20	5500	98.43%	0	Fig.8
802.11n HT40	5510	98.44%	0	Fig.9
802.11n HT40	5510	98.41%	0	Fig.10
802.11ac VHT40	5510	98.40%	0	Fig.11
802.11ac VHT40	5510	98.42%	0	Fig.12
802.11ax HE40	5510	98.30%	0	Fig.13
802.11ax HE40	5510	98.35%	0	Fig.14
802.11ac VHT80	5530	98.21%	0	Fig.15
802.11ac VHT80	5530	98.15%	0	Fig.16
802.11ax HE80	5530	98.01%	0	Fig.17
802.11ax HE80	5530	98.16%	0	Fig.18

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



Fig.1



Fig.2





Fig.9



Fig.10



Fig.11



Fig.12



Fig.13

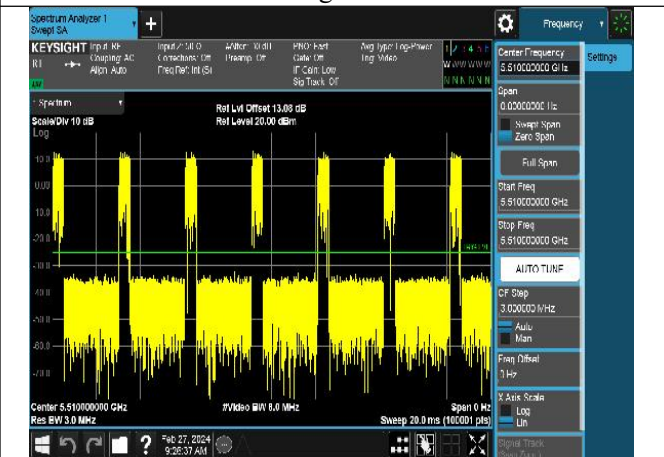


Fig.14



Fig.15



Fig.16



Fig.17

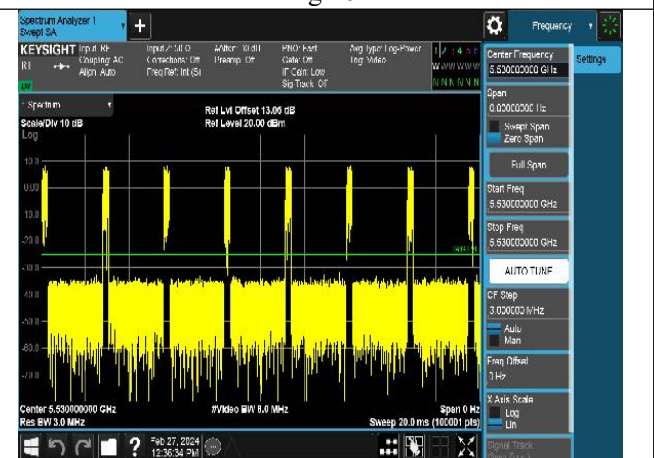


Fig.18

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	10.63	12.25
802.11a	NA	5500	Chain1	8.64	9.44
802.11a	NA	5580	Chain0	11.25	12.87
802.11a	NA	5580	Chain1	8.49	9.29
802.11a	NA	5700	Chain0	9.95	11.57
802.11a	NA	5700	Chain1	7.37	8.17
802.11n HT20	NA	5500	Chain0	8.90	10.52
802.11n HT20	NA	5500	Chain1	9.05	9.85
802.11n HT20	NA	5500	MIMO	11.99	13.22
802.11n HT20	NA	5580	Chain0	9.39	11.01
802.11n HT20	NA	5580	Chain1	8.17	8.97
802.11n HT20	NA	5580	MIMO	11.83	13.06
802.11n HT20	NA	5700	Chain0	7.84	9.46
802.11n HT20	NA	5700	Chain1	6.66	7.46
802.11n HT20	NA	5700	MIMO	10.30	11.53
802.11ac VHT20	NA	5500	Chain0	9.07	10.69
802.11ac VHT20	NA	5500	Chain1	9.12	9.92
802.11ac VHT20	NA	5500	MIMO	12.11	13.34
802.11ac VHT20	NA	5580	Chain0	9.98	11.60
802.11ac VHT20	NA	5580	Chain1	8.34	9.14
802.11ac VHT20	NA	5580	MIMO	12.25	13.48
802.11ac VHT20	NA	5700	Chain0	8.61	10.23
802.11ac VHT20	NA	5700	Chain1	7.59	8.39
802.11ac VHT20	NA	5700	MIMO	11.14	12.37
802.11n HT40	NA	5510	Chain0	7.22	8.84
802.11n HT40	NA	5510	Chain1	6.41	7.21
802.11n HT40	NA	5510	MIMO	9.84	11.07
802.11n HT40	NA	5590	Chain0	6.29	7.91
802.11n HT40	NA	5590	Chain1	5.57	6.37
802.11n HT40	NA	5590	MIMO	8.96	10.19
802.11n HT40	NA	5670	Chain0	6.44	8.06
802.11n HT40	NA	5670	Chain1	4.73	5.53
802.11n HT40	NA	5670	MIMO	8.68	9.91
802.11ac VHT40	NA	5510	Chain0	7.56	9.18
802.11ac VHT40	NA	5510	Chain1	6.22	7.02
802.11ac VHT40	NA	5510	MIMO	9.95	11.18
802.11ac VHT40	NA	5590	Chain0	6.66	8.28
802.11ac VHT40	NA	5590	Chain1	5.68	6.48
802.11ac VHT40	NA	5590	MIMO	9.21	10.44
802.11ac VHT40	NA	5670	Chain0	5.97	7.59
802.11ac VHT40	NA	5670	Chain1	5.41	6.21
802.11ac VHT40	NA	5670	MIMO	8.71	9.94

802.11ac VHT80	NA	5530	Chain0	3.57	5.19
802.11ac VHT80	NA	5530	Chain1	3.85	4.65
802.11ac VHT80	NA	5530	MIMO	6.72	7.95
802.11ac VHT80	NA	5610	Chain0	4.31	5.93
802.11ac VHT80	NA	5610	Chain1	3.54	4.34
802.11ac VHT80	NA	5610	MIMO	6.95	8.18

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11ax HE20	26T 0	5500	Chain0	9.42	11.04
802.11ax HE20	26T 0	5500	Chain1	9.17	9.97
802.11ax HE20	26T 0	5500	MIMO	12.31	13.54
802.11ax HE20	26T 0	5580	Chain0	8.89	10.51
802.11ax HE20	26T 0	5580	Chain1	7.79	8.59
802.11ax HE20	26T 0	5580	MIMO	11.39	12.62
802.11ax HE20	26T 0	5700	Chain0	8.69	10.31
802.11ax HE20	26T 0	5700	Chain1	6.46	7.26
802.11ax HE20	26T 0	5700	MIMO	10.73	11.96
802.11ax HE20	26T 4	5500	Chain0	8.93	10.55
802.11ax HE20	26T 4	5500	Chain1	8.38	9.18
802.11ax HE20	26T 4	5500	MIMO	11.67	12.90
802.11ax HE20	26T 4	5580	Chain0	8.72	10.34
802.11ax HE20	26T 4	5580	Chain1	5.12	5.92
802.11ax HE20	26T 4	5580	MIMO	10.29	11.52
802.11ax HE20	26T 4	5700	Chain0	8.64	10.26
802.11ax HE20	26T 4	5700	Chain1	6.33	7.13
802.11ax HE20	26T 4	5700	MIMO	10.65	11.88
802.11ax HE20	26T 8	5500	Chain0	9.97	11.59
802.11ax HE20	26T 8	5500	Chain1	8.42	9.22
802.11ax HE20	26T 8	5500	MIMO	12.27	13.50
802.11ax HE20	26T 8	5580	Chain0	7.71	9.33
802.11ax HE20	26T 8	5580	Chain1	7.53	8.33
802.11ax HE20	26T 8	5580	MIMO	10.63	11.86
802.11ax HE20	26T 8	5700	Chain0	8.13	9.75
802.11ax HE20	26T 8	5700	Chain1	7.47	8.27
802.11ax HE20	26T 8	5700	MIMO	10.82	12.05
802.11ax HE20	52T 37	5500	Chain0	10.01	11.63
802.11ax HE20	52T 37	5500	Chain1	8.42	9.22
802.11ax HE20	52T 37	5500	MIMO	12.30	13.53
802.11ax HE20	52T 37	5580	Chain0	10.98	12.60
802.11ax HE20	52T 37	5580	Chain1	7.51	8.31
802.11ax HE20	52T 37	5580	MIMO	12.59	13.82
802.11ax HE20	52T 37	5700	Chain0	7.89	9.51
802.11ax HE20	52T 37	5700	Chain1	6.49	7.29
802.11ax HE20	52T 37	5700	MIMO	10.26	11.49

802.11ax HE20	52T 39	5500	Chain0	9.27	10.89
802.11ax HE20	52T 39	5500	Chain1	8.16	8.96
802.11ax HE20	52T 39	5500	MIMO	11.76	12.99
802.11ax HE20	52T 39	5580	Chain0	9.16	10.78
802.11ax HE20	52T 39	5580	Chain1	7.65	8.45
802.11ax HE20	52T 39	5580	MIMO	11.48	12.71
802.11ax HE20	52T 39	5700	Chain0	8.20	9.82
802.11ax HE20	52T 39	5700	Chain1	6.39	7.19
802.11ax HE20	52T 39	5700	MIMO	10.40	11.63
802.11ax HE20	52T 40	5500	Chain0	9.61	11.23
802.11ax HE20	52T 40	5500	Chain1	7.11	7.91
802.11ax HE20	52T 40	5500	MIMO	11.55	12.78
802.11ax HE20	52T 40	5580	Chain0	8.41	10.03
802.11ax HE20	52T 40	5580	Chain1	7.75	8.55
802.11ax HE20	52T 40	5580	MIMO	11.10	12.33
802.11ax HE20	52T 40	5700	Chain0	7.59	9.21
802.11ax HE20	52T 40	5700	Chain1	7.36	8.16
802.11ax HE20	52T 40	5700	MIMO	10.49	11.72
802.11ax HE20	106T 53	5500	Chain0	9.27	10.89
802.11ax HE20	106T 53	5500	Chain1	7.52	8.32
802.11ax HE20	106T 53	5500	MIMO	11.49	12.72
802.11ax HE20	106T 53	5580	Chain0	9.09	10.71
802.11ax HE20	106T 53	5580	Chain1	7.61	8.41
802.11ax HE20	106T 53	5580	MIMO	11.42	12.65
802.11ax HE20	106T 53	5700	Chain0	7.90	9.52
802.11ax HE20	106T 53	5700	Chain1	5.96	6.76
802.11ax HE20	106T 53	5700	MIMO	10.05	11.28
802.11ax HE20	106T 54	5500	Chain0	8.89	10.51
802.11ax HE20	106T 54	5500	Chain1	7.45	8.25
802.11ax HE20	106T 54	5500	MIMO	11.24	12.47
802.11ax HE20	106T 54	5580	Chain0	8.85	10.47
802.11ax HE20	106T 54	5580	Chain1	7.22	8.02
802.11ax HE20	106T 54	5580	MIMO	11.12	12.35
802.11ax HE20	106T 54	5700	Chain0	8.21	9.83
802.11ax HE20	106T 54	5700	Chain1	6.28	7.08
802.11ax HE20	106T 54	5700	MIMO	10.36	11.59
802.11ax HE20	242T 61	5500	Chain0	9.38	11.00
802.11ax HE20	242T 61	5500	Chain1	7.93	8.73
802.11ax HE20	242T 61	5500	MIMO	11.73	12.96
802.11ax HE20	242T 61	5580	Chain0	10.02	11.64
802.11ax HE20	242T 61	5580	Chain1	7.76	8.56
802.11ax HE20	242T 61	5580	MIMO	12.05	13.28
802.11ax HE20	242T 61	5700	Chain0	7.99	9.61
802.11ax HE20	242T 61	5700	Chain1	6.64	7.44
802.11ax HE20	242T 61	5700	MIMO	10.38	11.61
802.11ax HE40	26T 0	5510	Chain0	7.55	9.17

802.11ax HE40	26T 0	5510	Chain1	1.72	2.52
802.11ax HE40	26T 0	5510	MIMO	8.56	9.79
802.11ax HE40	26T 0	5670	Chain0	6.99	8.61
802.11ax HE40	26T 0	5670	Chain1	3.91	4.71
802.11ax HE40	26T 0	5670	MIMO	8.73	9.96
802.11ax HE40	26T 10	5510	Chain0	10.22	11.84
802.11ax HE40	26T 10	5510	Chain1	6.45	7.25
802.11ax HE40	26T 10	5510	MIMO	11.74	12.97
802.11ax HE40	26T 10	5670	Chain0	5.36	6.98
802.11ax HE40	26T 10	5670	Chain1	3.81	4.61
802.11ax HE40	26T 10	5670	MIMO	7.66	8.89
802.11ax HE40	26T 17	5510	Chain0	9.54	11.16
802.11ax HE40	26T 17	5510	Chain1	4.87	5.67
802.11ax HE40	26T 17	5510	MIMO	10.81	12.04
802.11ax HE40	26T 17	5670	Chain0	6.19	7.81
802.11ax HE40	26T 17	5670	Chain1	8.05	8.85
802.11ax HE40	26T 17	5670	MIMO	10.23	11.46
802.11ax HE40	52T 37	5510	Chain0	7.40	9.02
802.11ax HE40	52T 37	5510	Chain1	8.08	8.88
802.11ax HE40	52T 37	5510	MIMO	10.76	11.99
802.11ax HE40	52T 37	5670	Chain0	4.46	6.08
802.11ax HE40	52T 37	5670	Chain1	6.08	6.88
802.11ax HE40	52T 37	5670	MIMO	8.36	9.59
802.11ax HE40	52T 41	5510	Chain0	9.30	10.92
802.11ax HE40	52T 41	5510	Chain1	9.89	10.69
802.11ax HE40	52T 41	5510	MIMO	12.62	13.85
802.11ax HE40	52T 41	5670	Chain0	2.41	4.03
802.11ax HE40	52T 41	5670	Chain1	4.40	5.20
802.11ax HE40	52T 41	5670	MIMO	6.53	7.76
802.11ax HE40	52T 44	5510	Chain0	10.24	11.86
802.11ax HE40	52T 44	5510	Chain1	8.92	9.72
802.11ax HE40	52T 44	5510	MIMO	12.64	13.87
802.11ax HE40	52T 44	5670	Chain0	3.39	5.01
802.11ax HE40	52T 44	5670	Chain1	7.36	8.16
802.11ax HE40	52T 44	5670	MIMO	8.82	10.05
802.11ax HE40	106T 53	5510	Chain0	4.00	5.62
802.11ax HE40	106T 53	5510	Chain1	6.30	7.10
802.11ax HE40	106T 53	5510	MIMO	8.31	9.54
802.11ax HE40	106T 53	5670	Chain0	7.05	8.67
802.11ax HE40	106T 53	5670	Chain1	4.24	5.04
802.11ax HE40	106T 53	5670	MIMO	8.88	10.11
802.11ax HE40	106T 55	5510	Chain0	9.42	11.04
802.11ax HE40	106T 55	5510	Chain1	5.79	6.59
802.11ax HE40	106T 55	5510	MIMO	10.98	12.21
802.11ax HE40	106T 55	5670	Chain0	5.06	6.68
802.11ax HE40	106T 55	5670	Chain1	4.26	5.06

802.11ax HE40	106T 55	5670	MIMO	7.69	8.92
802.11ax HE40	106T 56	5510	Chain0	8.00	9.62
802.11ax HE40	106T 56	5510	Chain1	8.40	9.20
802.11ax HE40	106T 56	5510	MIMO	11.21	12.44
802.11ax HE40	106T 56	5670	Chain0	8.44	10.06
802.11ax HE40	106T 56	5670	Chain1	4.75	5.55
802.11ax HE40	106T 56	5670	MIMO	9.99	11.22
802.11ax HE40	242T 61	5510	Chain0	9.26	10.88
802.11ax HE40	242T 61	5510	Chain1	5.79	6.59
802.11ax HE40	242T 61	5510	MIMO	10.87	12.10
802.11ax HE40	242T 61	5670	Chain0	8.42	10.04
802.11ax HE40	242T 61	5670	Chain1	4.19	4.99
802.11ax HE40	242T 61	5670	MIMO	9.81	11.04
802.11ax HE40	242T 62	5510	Chain0	13.47	15.09
802.11ax HE40	242T 62	5510	Chain1	9.46	10.26
802.11ax HE40	242T 62	5510	MIMO	14.92	16.15
802.11ax HE40	242T 62	5670	Chain0	5.09	6.71
802.11ax HE40	242T 62	5670	Chain1	3.78	4.58
802.11ax HE40	242T 62	5670	MIMO	7.49	8.72
802.11ax HE40	484T 65	5510	Chain0	6.05	7.67
802.11ax HE40	484T 65	5510	Chain1	12.44	13.24
802.11ax HE40	484T 65	5510	MIMO	13.34	14.57
802.11ax HE40	484T 65	5670	Chain0	9.25	10.87
802.11ax HE40	484T 65	5670	Chain1	4.49	5.29
802.11ax HE40	484T 65	5670	MIMO	10.50	11.73
802.11ax HE80	26T 0	5530	Chain0	6.38	8.00
802.11ax HE80	26T 0	5530	Chain1	4.94	5.74
802.11ax HE80	26T 0	5530	MIMO	8.73	9.96
802.11ax HE80	26T 0	5610	Chain0	6.07	7.69
802.11ax HE80	26T 0	5610	Chain1	3.59	4.39
802.11ax HE80	26T 0	5610	MIMO	8.01	9.24
802.11ax HE80	26T 18	5530	Chain0	6.62	8.24
802.11ax HE80	26T 18	5530	Chain1	5.31	6.11
802.11ax HE80	26T 18	5530	MIMO	9.02	10.25
802.11ax HE80	26T 18	5610	Chain0	6.41	8.03
802.11ax HE80	26T 18	5610	Chain1	4.47	5.27
802.11ax HE80	26T 18	5610	MIMO	8.56	9.79
802.11ax HE80	26T 36	5530	Chain0	6.21	7.83
802.11ax HE80	26T 36	5530	Chain1	4.33	5.13
802.11ax HE80	26T 36	5530	MIMO	8.38	9.61
802.11ax HE80	26T 36	5610	Chain0	7.72	9.34
802.11ax HE80	26T 36	5610	Chain1	5.01	5.81
802.11ax HE80	26T 36	5610	MIMO	9.58	10.81
802.11ax HE80	52T 37	5530	Chain0	6.82	8.44
802.11ax HE80	52T 37	5530	Chain1	3.75	4.55
802.11ax HE80	52T 37	5530	MIMO	8.56	9.79

802.11ax HE80	52T 37	5610	Chain0	6.32	7.94
802.11ax HE80	52T 37	5610	Chain1	4.14	4.94
802.11ax HE80	52T 37	5610	MIMO	8.38	9.61
802.11ax HE80	52T 45	5530	Chain0	6.12	7.74
802.11ax HE80	52T 45	5530	Chain1	3.58	4.38
802.11ax HE80	52T 45	5530	MIMO	8.04	9.27
802.11ax HE80	52T 45	5610	Chain0	6.29	7.91
802.11ax HE80	52T 45	5610	Chain1	3.62	4.42
802.11ax HE80	52T 45	5610	MIMO	8.17	9.40
802.11ax HE80	52T 52	5530	Chain0	6.13	7.75
802.11ax HE80	52T 52	5530	Chain1	5.62	6.42
802.11ax HE80	52T 52	5530	MIMO	8.89	10.12
802.11ax HE80	52T 52	5610	Chain0	6.11	7.73
802.11ax HE80	52T 52	5610	Chain1	3.75	4.55
802.11ax HE80	52T 52	5610	MIMO	8.10	9.33
802.11ax HE80	106T 53	5530	Chain0	6.53	8.15
802.11ax HE80	106T 53	5530	Chain1	4.03	4.83
802.11ax HE80	106T 53	5530	MIMO	8.47	9.70
802.11ax HE80	106T 53	5610	Chain0	6.60	8.22
802.11ax HE80	106T 53	5610	Chain1	3.30	4.10
802.11ax HE80	106T 53	5610	MIMO	8.27	9.50
802.11ax HE80	106T 57	5530	Chain0	6.18	7.80
802.11ax HE80	106T 57	5530	Chain1	5.39	6.19
802.11ax HE80	106T 57	5530	MIMO	8.81	10.04
802.11ax HE80	106T 57	5610	Chain0	6.13	7.75
802.11ax HE80	106T 57	5610	Chain1	2.25	3.05
802.11ax HE80	106T 57	5610	MIMO	7.62	8.85
802.11ax HE80	106T 60	5530	Chain0	6.21	7.83
802.11ax HE80	106T 60	5530	Chain1	4.81	5.61
802.11ax HE80	106T 60	5530	MIMO	8.58	9.81
802.11ax HE80	106T 60	5610	Chain0	6.74	8.36
802.11ax HE80	106T 60	5610	Chain1	4.92	5.72
802.11ax HE80	106T 60	5610	MIMO	8.93	10.16
802.11ax HE80	242T 61	5530	Chain0	6.26	7.88
802.11ax HE80	242T 61	5530	Chain1	3.62	4.42
802.11ax HE80	242T 61	5530	MIMO	8.15	9.38
802.11ax HE80	242T 61	5610	Chain0	5.97	7.59
802.11ax HE80	242T 61	5610	Chain1	4.60	5.40
802.11ax HE80	242T 61	5610	MIMO	8.35	9.58
802.11ax HE80	242T 63	5530	Chain0	6.68	8.30
802.11ax HE80	242T 63	5530	Chain1	3.91	4.71
802.11ax HE80	242T 63	5530	MIMO	8.52	9.75
802.11ax HE80	242T 63	5610	Chain0	6.55	8.17
802.11ax HE80	242T 63	5610	Chain1	4.20	5.00
802.11ax HE80	242T 63	5610	MIMO	8.54	9.77
802.11ax HE80	242T 64	5530	Chain0	6.04	7.66

802.11ax HE80	242T 64	5530	Chain1	4.55	5.35
802.11ax HE80	242T 64	5530	MIMO	8.37	9.60
802.11ax HE80	242T 64	5610	Chain0	6.81	8.43
802.11ax HE80	242T 64	5610	Chain1	4.07	4.87
802.11ax HE80	242T 64	5610	MIMO	8.66	9.89
802.11ax HE80	484T 65	5530	Chain0	7.19	8.81
802.11ax HE80	484T 65	5530	Chain1	4.20	5.00
802.11ax HE80	484T 65	5530	MIMO	8.96	10.19
802.11ax HE80	484T 65	5610	Chain0	6.45	8.07
802.11ax HE80	484T 65	5610	Chain1	3.68	4.48
802.11ax HE80	484T 65	5610	MIMO	8.29	9.52
802.11ax HE80	484T 66	5530	Chain0	7.26	8.88
802.11ax HE80	484T 66	5530	Chain1	4.49	5.29
802.11ax HE80	484T 66	5530	MIMO	9.10	10.33
802.11ax HE80	484T 66	5610	Chain0	5.82	7.44
802.11ax HE80	484T 66	5610	Chain1	4.75	5.55
802.11ax HE80	484T 66	5610	MIMO	8.33	9.56
802.11ax HE80	996T 67	5530	Chain0	5.75	7.37
802.11ax HE80	996T 67	5530	Chain1	5.08	5.88
802.11ax HE80	996T 67	5530	MIMO	8.44	9.67
802.11ax HE80	996T 67	5610	Chain0	6.05	7.67
802.11ax HE80	996T 67	5610	Chain1	4.19	4.99
802.11ax HE80	996T 67	5610	MIMO	8.23	9.46

Emission Bandwidth

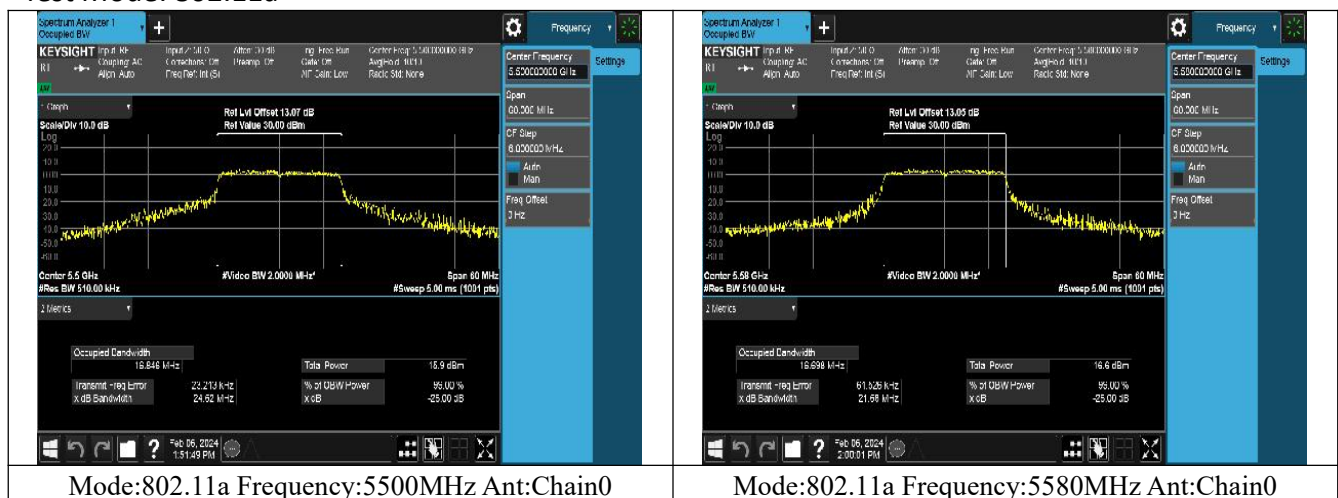
Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

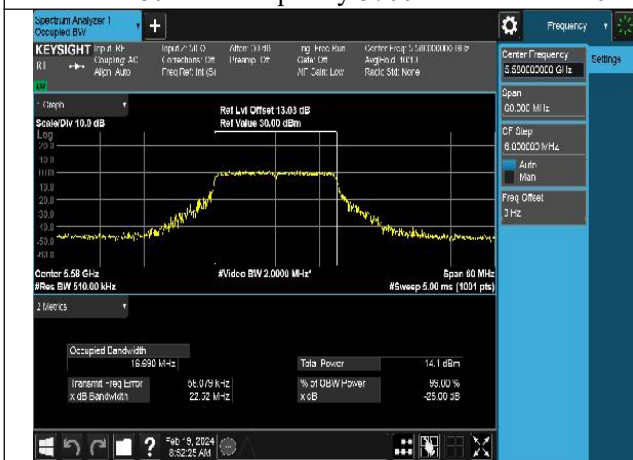
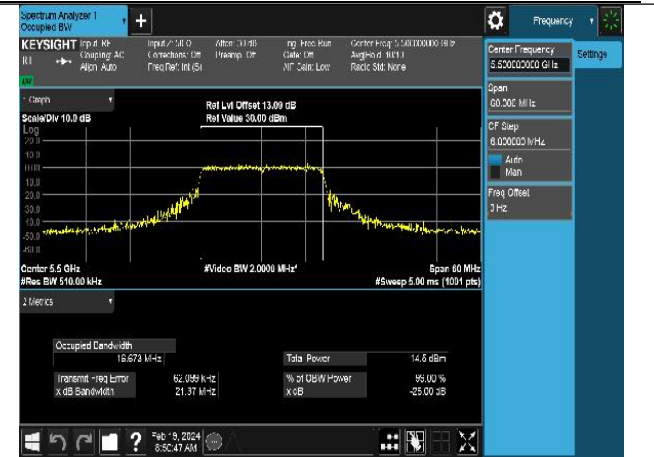
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	24.62	21.68	21.80
802.11a	Chain1	21.37	22.52	20.65
802.11n HT20	Chain0	26.27	24.92	22.46
802.11n HT20	Chain1	22.58	21.88	22.15
802.11ac VHT20	Chain0	23.97	21.67	22.11
802.11ac VHT20	Chain1	21.13	21.43	21.87
802.11ax HE20	Chain0	22.70	22.63	22.41
802.11ax HE20	Chain1	23.30	23.57	21.93

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	49.44	43.57	43.19
802.11n HT40	Chain1	42.95	42.67	43.53
802.11ac VHT40	Chain0	42.35	42.35	41.66
802.11ac VHT40	Chain1	42.75	41.98	41.44
802.11ax HE40	Chain0	42.45	42.35	43.05
802.11ax HE40	Chain1	42.41	42.53	42.87

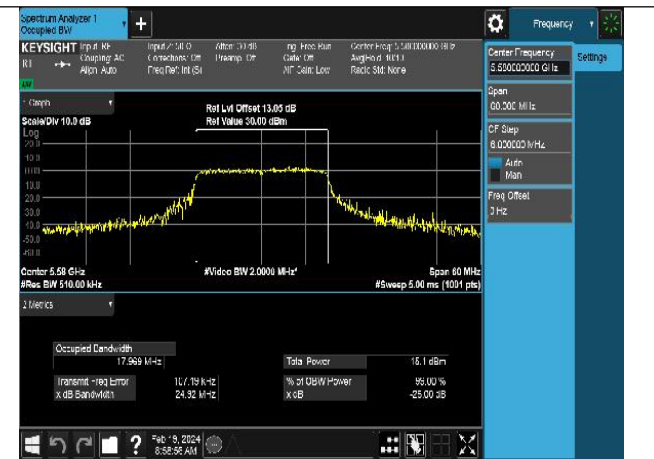
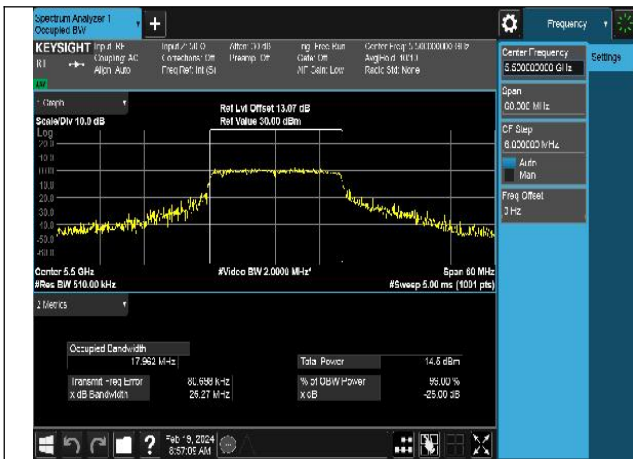
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5530MHz	---	5610MHz
802.11ac VHT80	Chain0	83.08	---	82.86
802.11ac VHT80	Chain1	82.90	---	82.66
802.11ax HE80	Chain0	82.94	---	82.86
802.11ax HE80	Chain1	82.77	---	82.82

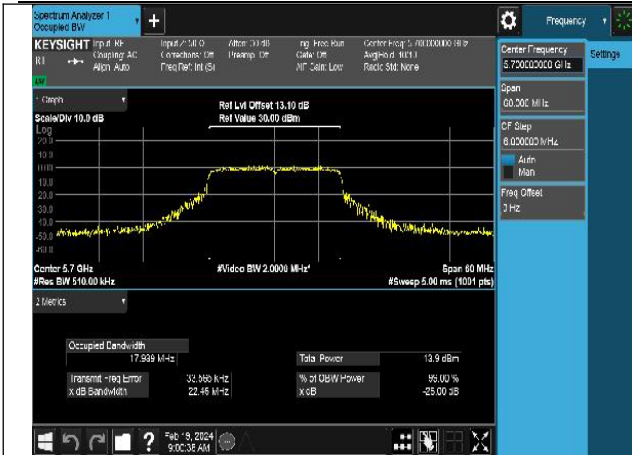
Test Mode: 802.11a





Test Mode: 802.11n HT20





Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0

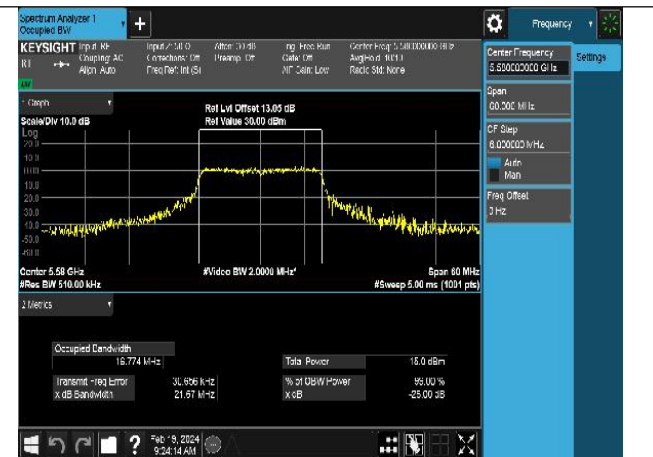
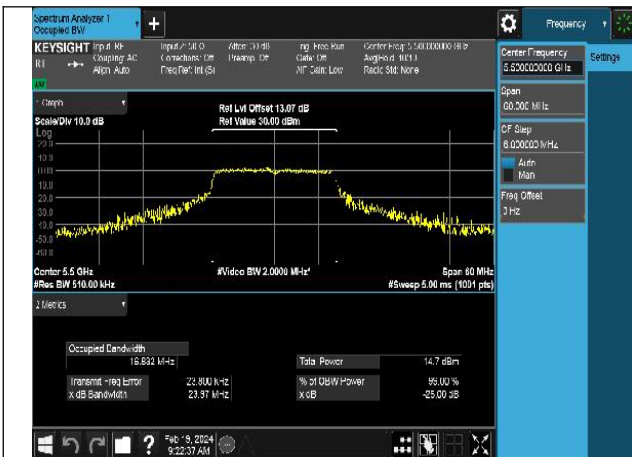
Mode:802.11n HT20 Frequency:5500MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5580MHz Ant:Chain1

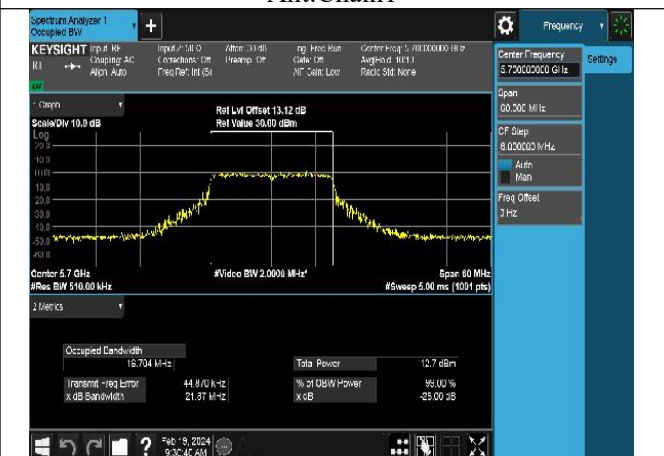
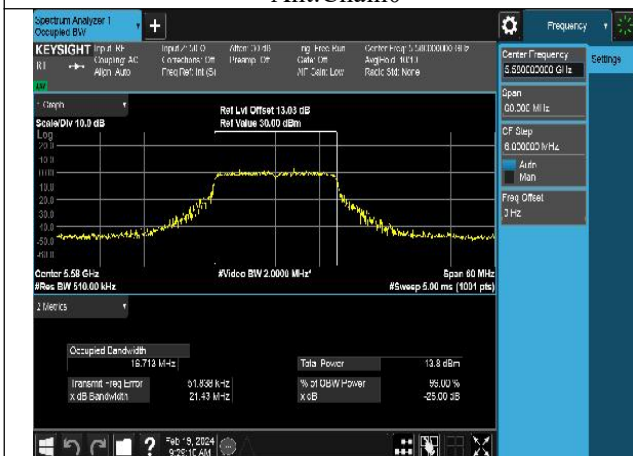
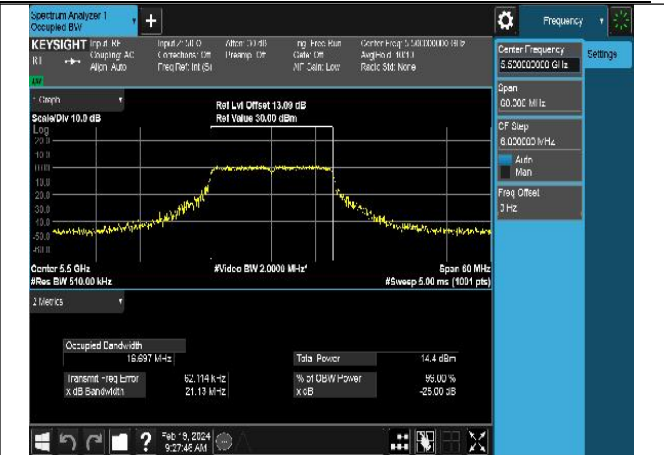
Mode:802.11n HT20 Frequency:5700MHz Ant:Chain1

Test Mode: 802.11ac VHT20

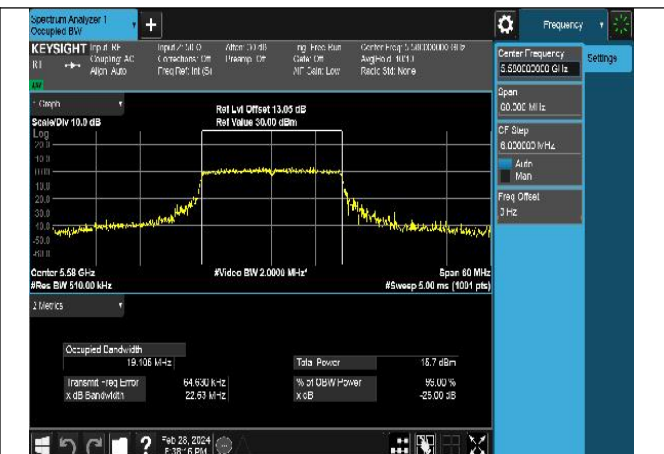
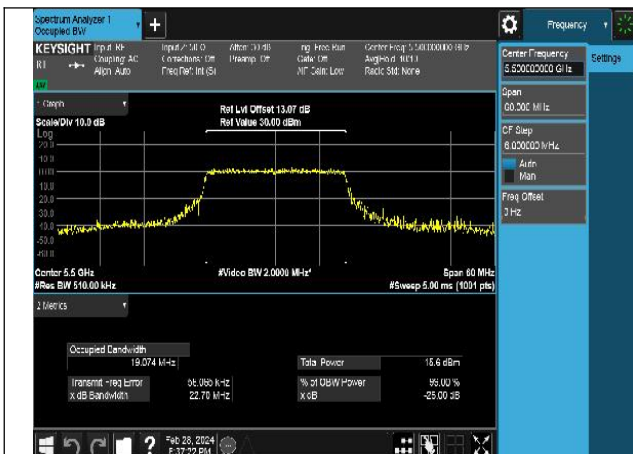


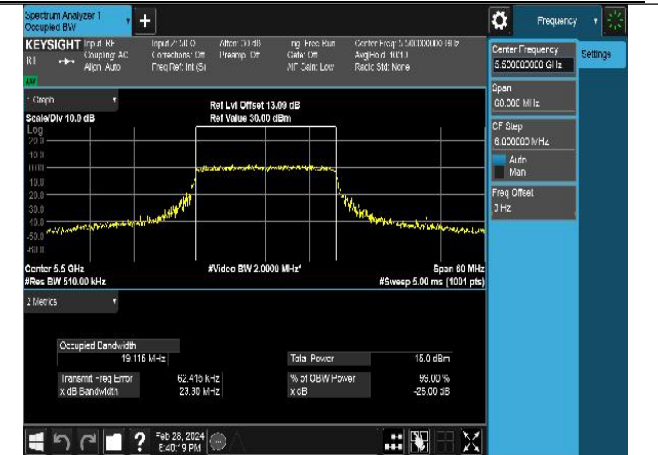
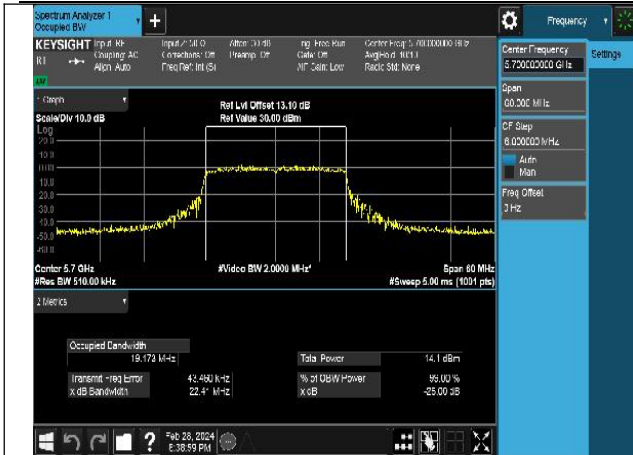
Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain0

Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain0



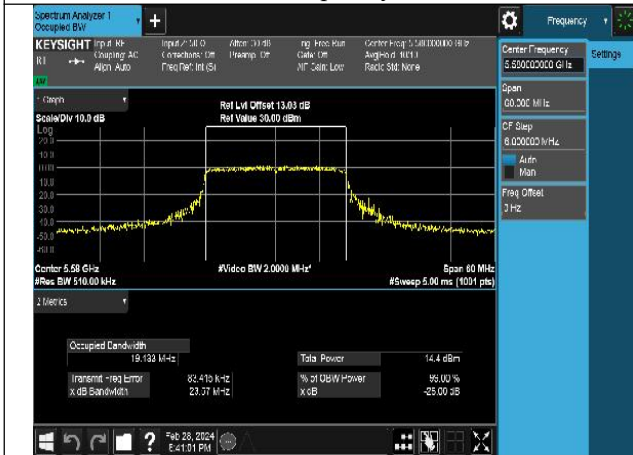
Test Mode: 802.11ax HE20





Mode:802.11ax HE20 Frequency:5700MHz Ant:Chain0

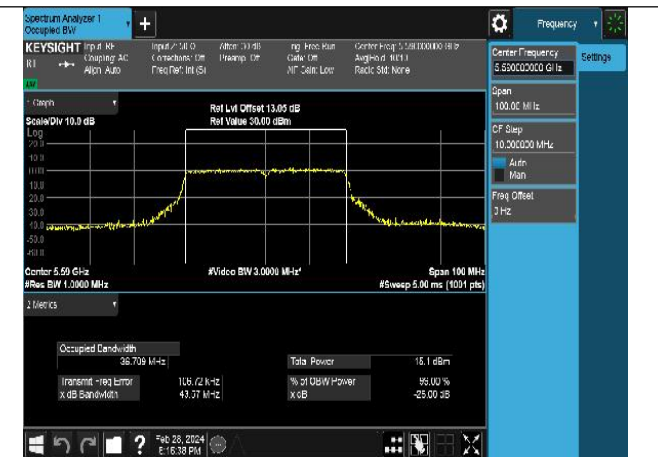
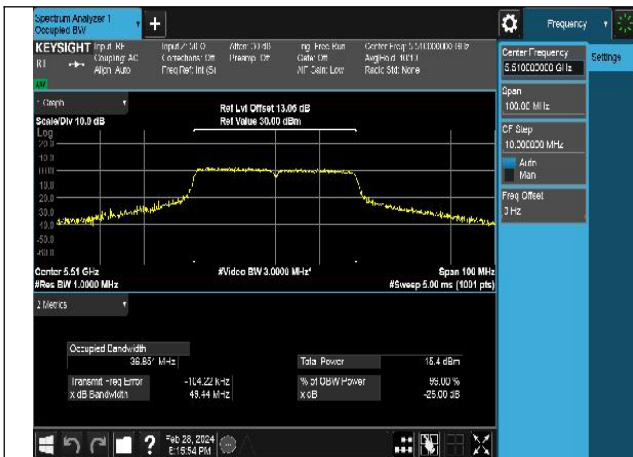
Mode:802.11ax HE20 Frequency:5500MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:5580MHz Ant:Chain1

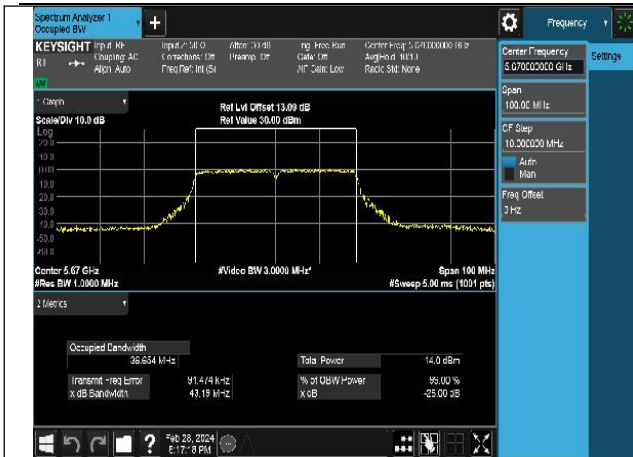
Mode:802.11ax HE20 Frequency:5700MHz Ant:Chain1

Test Mode: 802.11n HT40



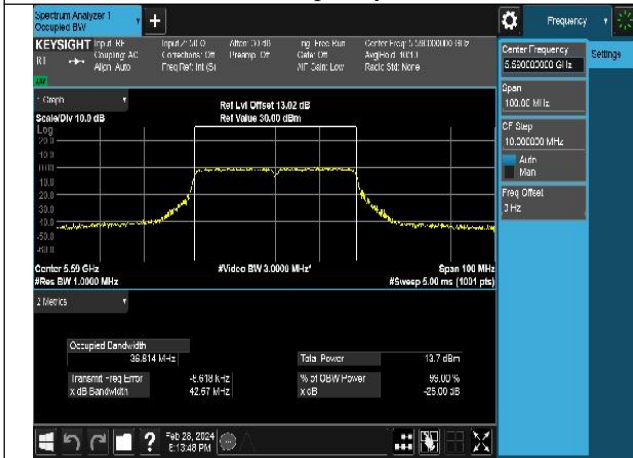
Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0

Mode:802.11n HT40 Frequency:5590MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0

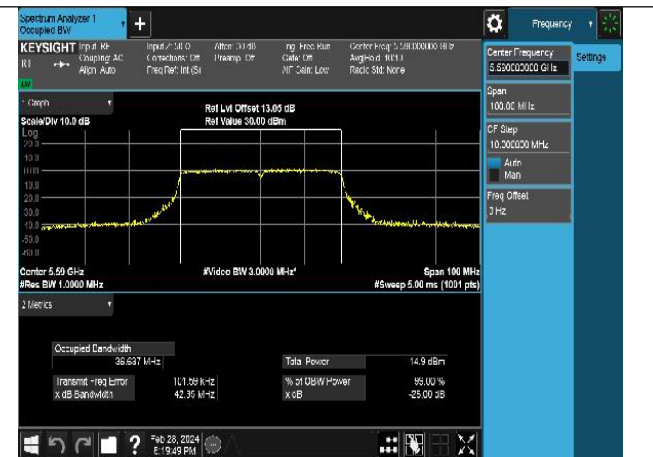
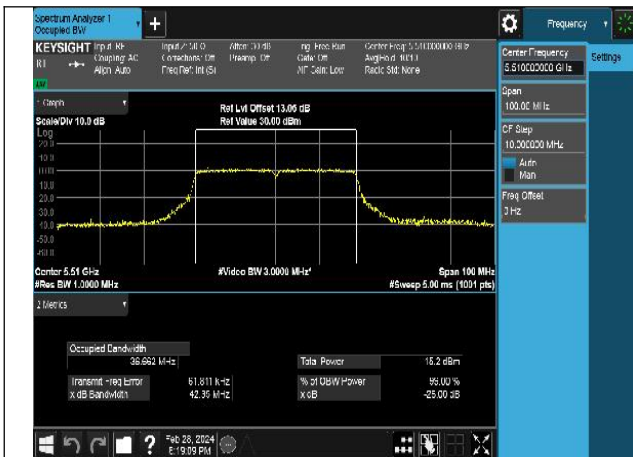
Mode:802.11n HT40 Frequency:5510MHz Ant:Chain1



Mode:802.11n HT40 Frequency:5590MHz Ant:Chain1

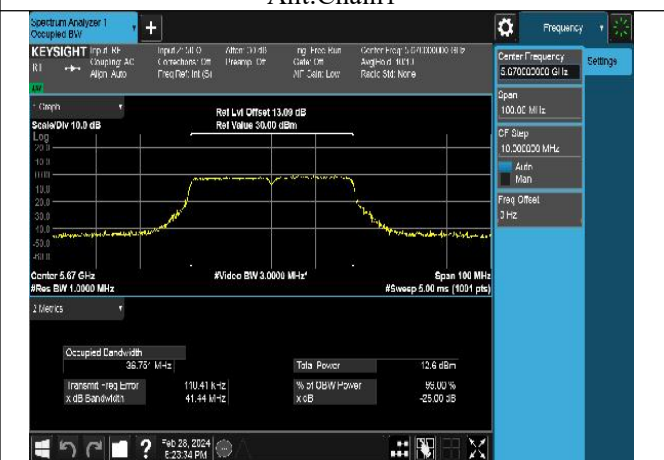
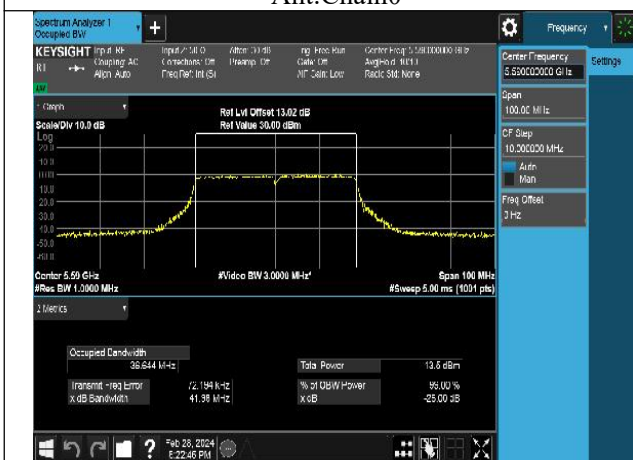
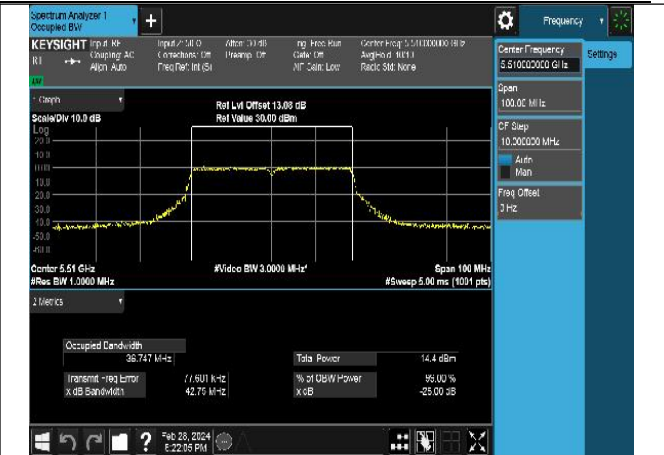
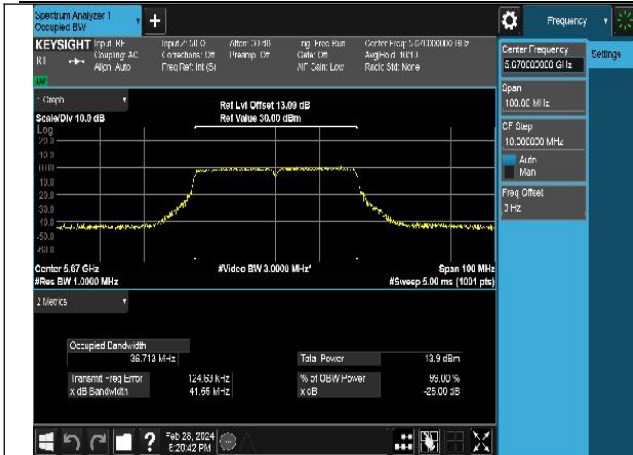
Mode:802.11n HT40 Frequency:5670MHz Ant:Chain1

Test Mode: 802.11ac VHT40

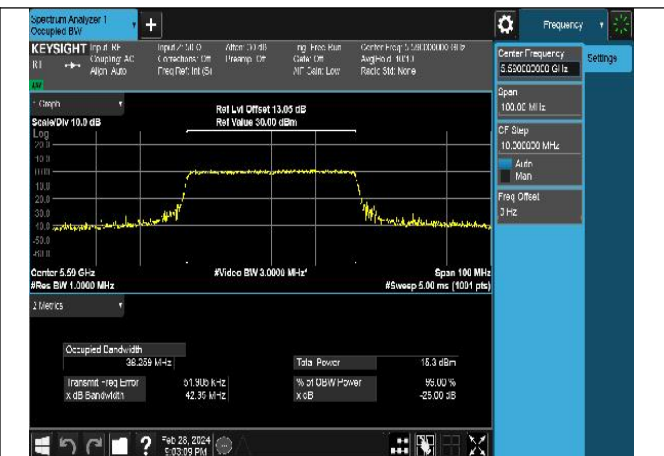
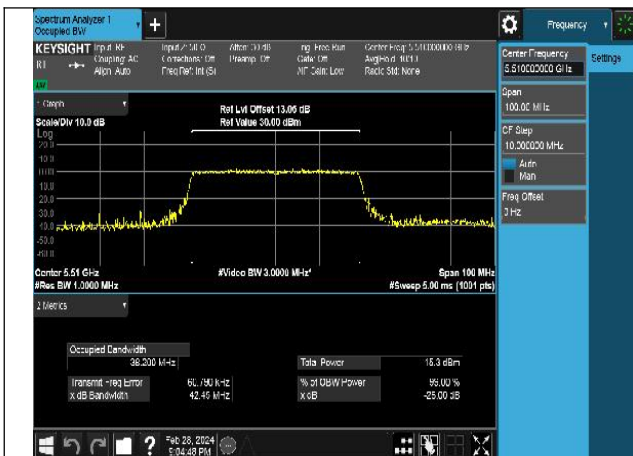


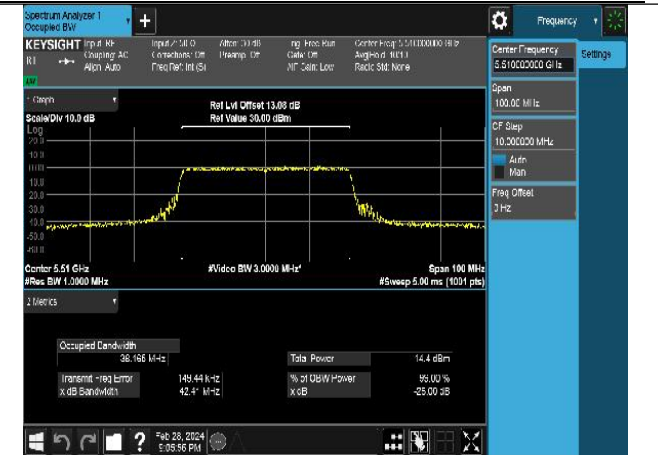
Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain0

Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0



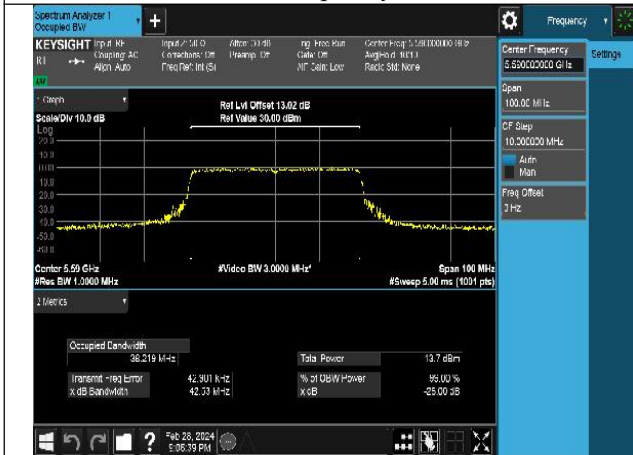
Test Mode: 802.11ax HE40





Mode:802.11ax HE40 Frequency:5670MHz Ant:Chain0

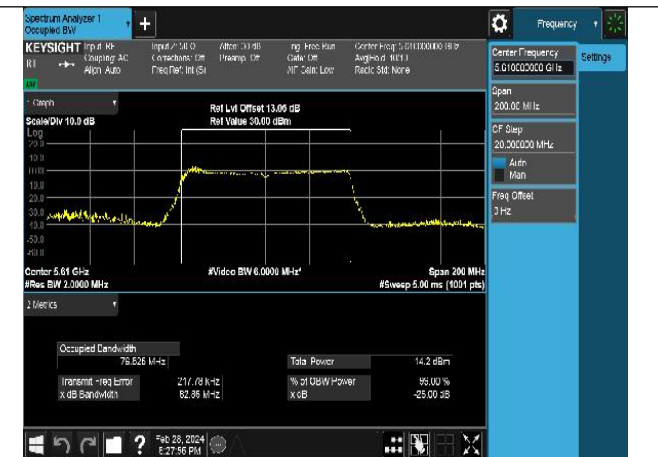
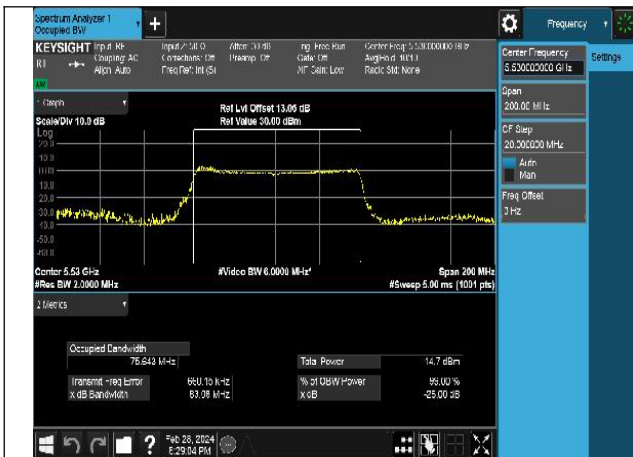
Mode:802.11ax HE40 Frequency:5510MHz Ant:Chain1



Mode:802.11ax HE40 Frequency:5590MHz Ant:Chain1

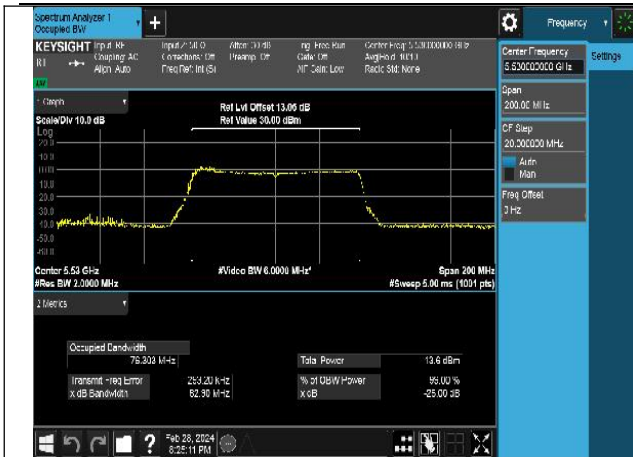
Mode:802.11ax HE40 Frequency:5670MHz Ant:Chain1

Test Mode: 802.11ac VHT80

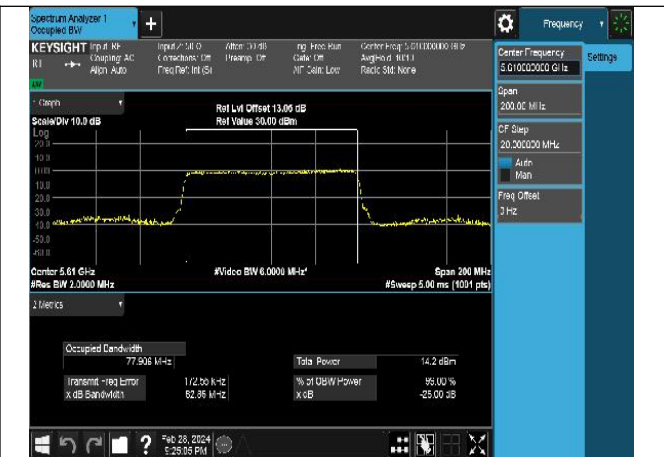
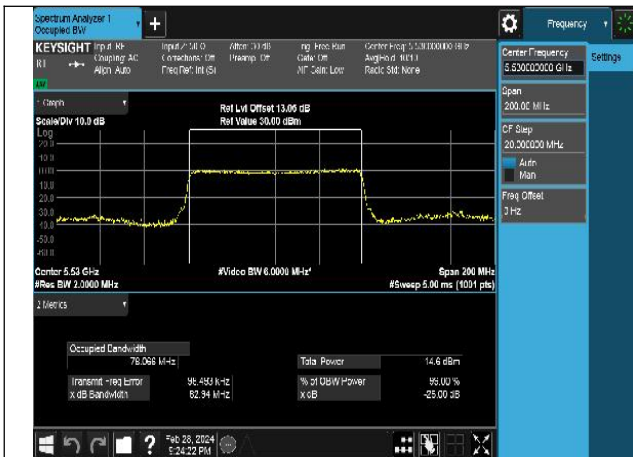


Mode:802.11ac VHT80 Frequency:5530MHz
Ant:Chain0

Mode:802.11ac VHT80 Frequency:5610MHz
Ant:Chain0

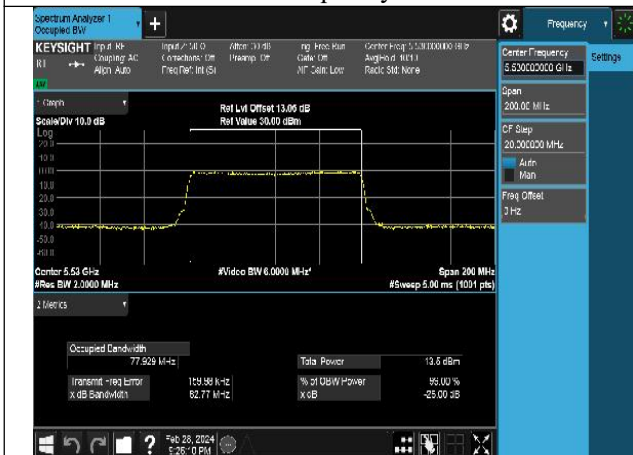


Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Frequency:5530MHz Ant:Chain0

Mode:802.11ax HE80 Frequency:5610MHz Ant:Chain0



Mode:802.11ax HE80 Frequency:5530MHz Ant:Chain1

Mode:802.11ax HE80 Frequency:5610MHz Ant:Chain1

Occupied Bandwidth

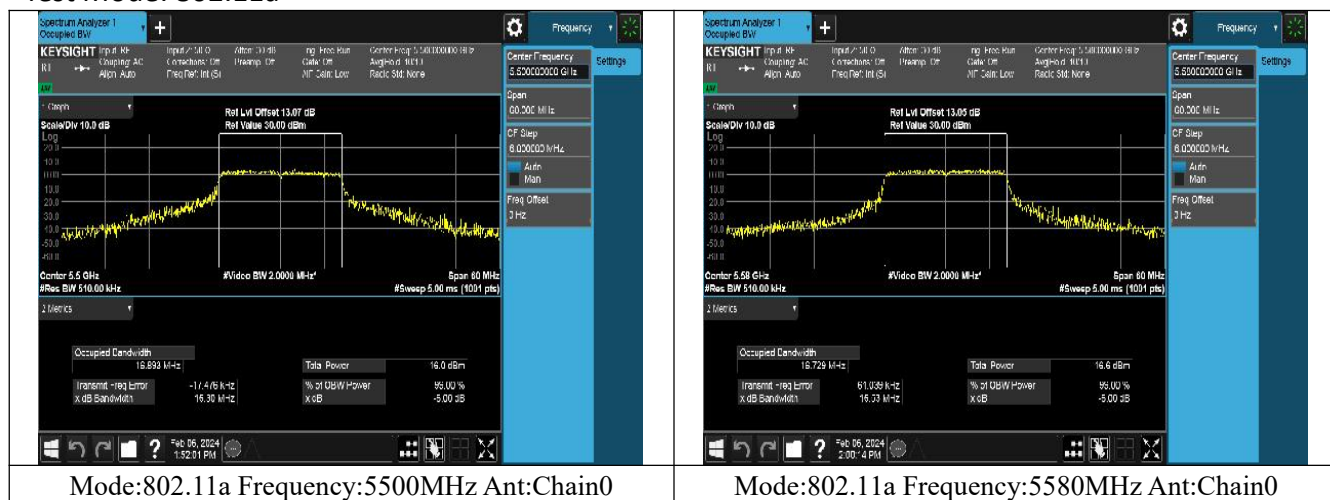
Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

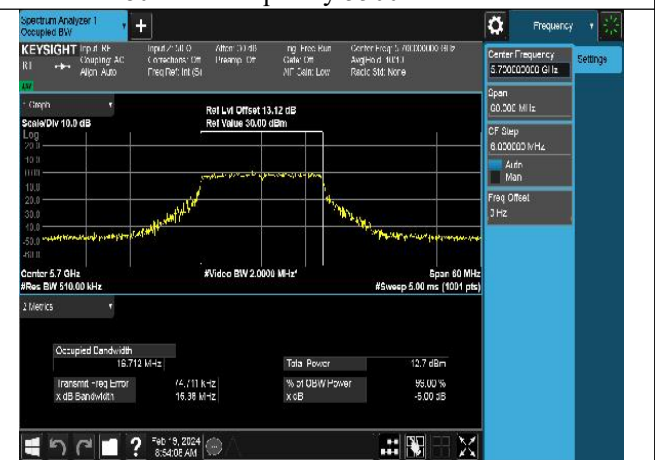
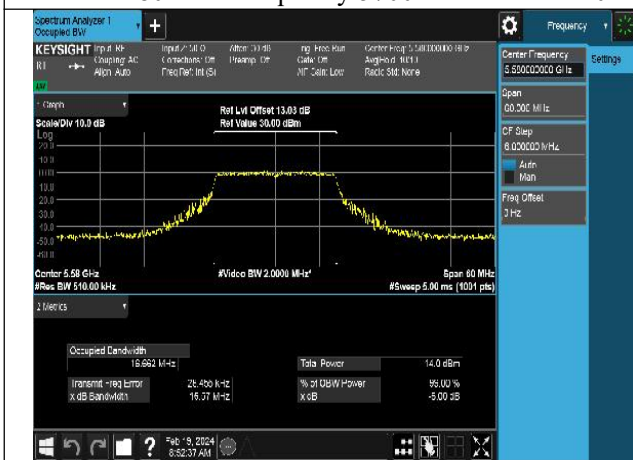
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	16.893	16.729	16.701
802.11a	Chain1	16.725	16.662	16.712
802.11n HT20	Chain0	18.027	17.893	17.886
802.11n HT20	Chain1	17.908	17.936	17.925
802.11ac VHT20	Chain0	16.788	16.687	16.707
802.11ac VHT20	Chain1	16.635	16.678	16.738
802.11ax HE20	Chain0	19.106	19.158	19.122
802.11ax HE20	Chain1	19.079	19.111	19.116

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	36.843	36.691	36.699
802.11n HT40	Chain1	36.742	36.659	36.709
802.11ac VHT40	Chain0	36.663	36.674	36.682
802.11ac VHT40	Chain1	36.732	36.670	36.711
802.11ax HE40	Chain0	38.178	38.180	38.151
802.11ax HE40	Chain1	38.241	38.152	38.152

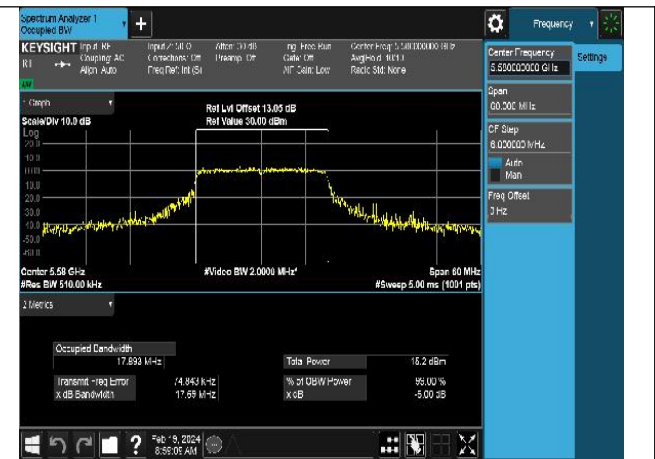
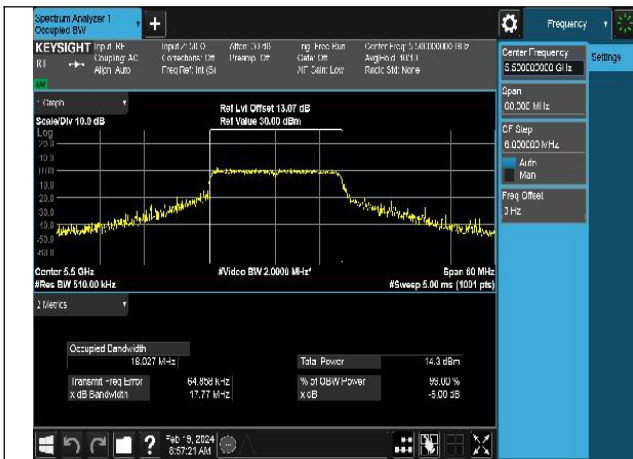
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5530MHz	---	5610MHz
802.11ac VHT80	Chain0	76.606	---	75.678
802.11ac VHT80	Chain1	75.876	---	75.690
802.11ax HE80	Chain0	78.160	---	77.836
802.11ax HE80	Chain1	78.008	---	77.974

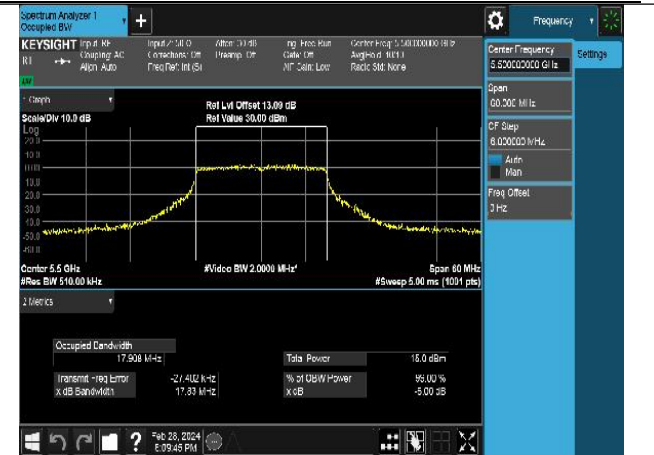
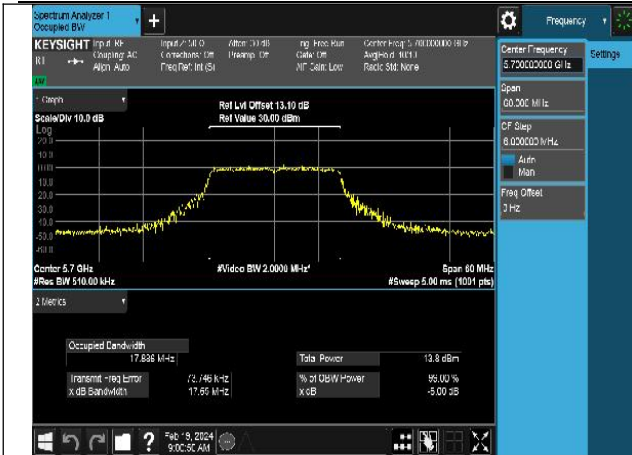
Test Mode: 802.11a





Test Mode: 802.11n HT20





Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0

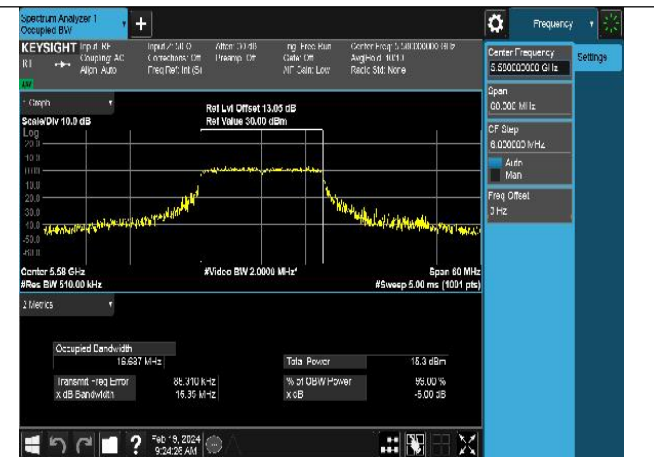
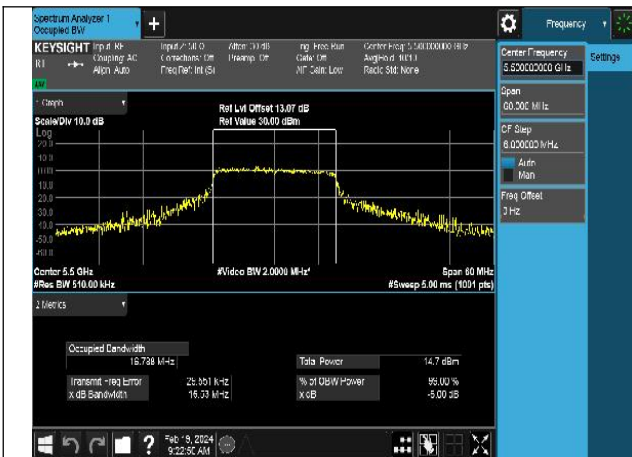
Mode:802.11n HT20 Frequency:5500MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5580MHz Ant:Chain1

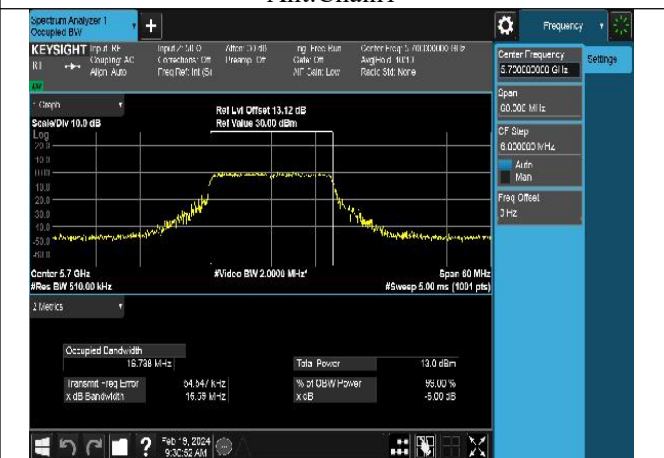
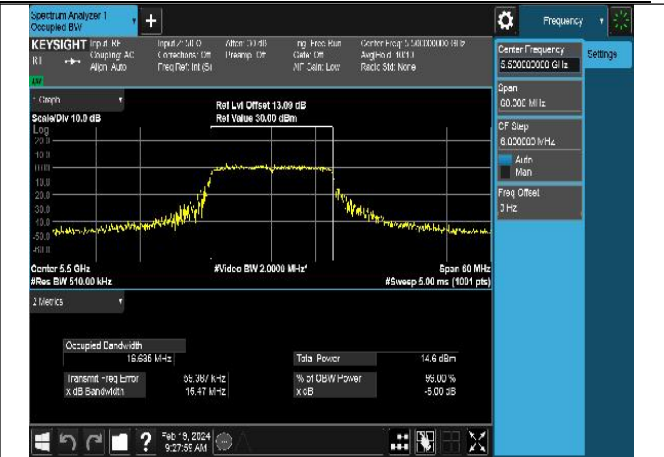
Mode:802.11n HT20 Frequency:5700MHz Ant:Chain1

Test Mode: 802.11ac VHT20

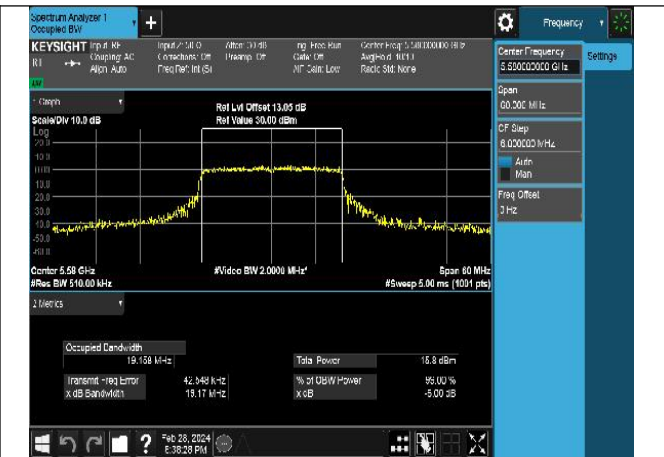
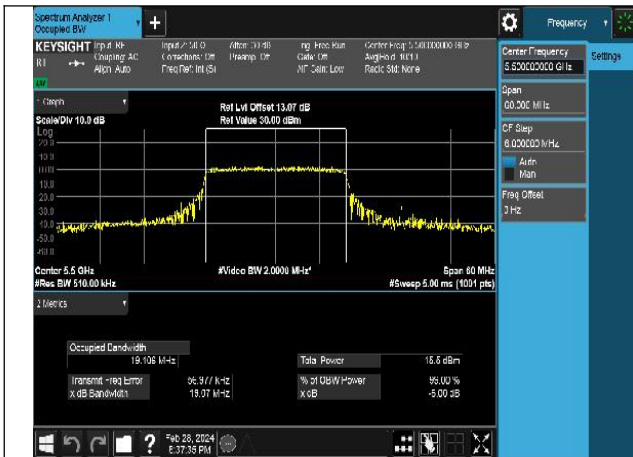


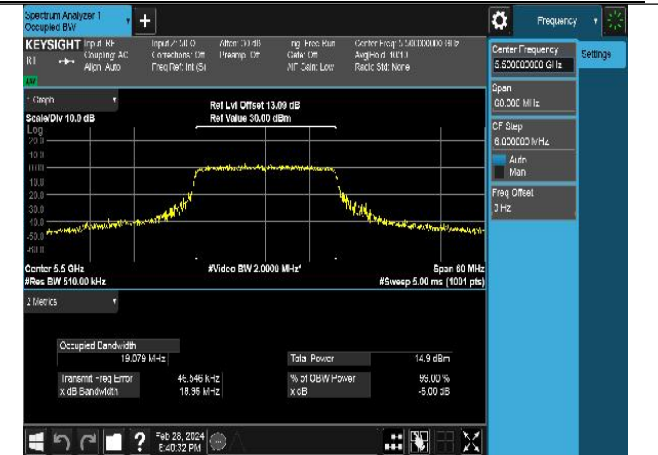
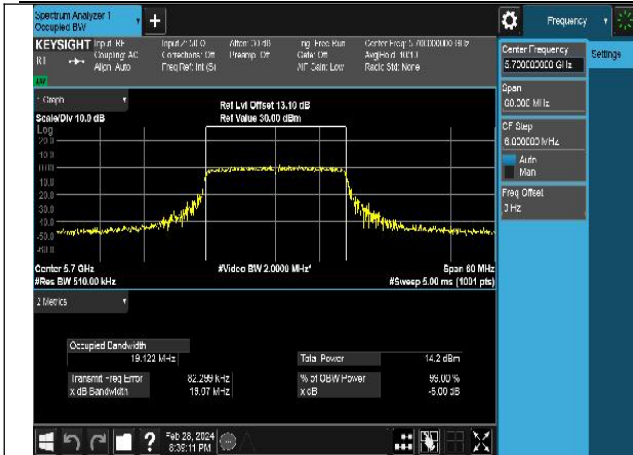
Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain0

Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain0



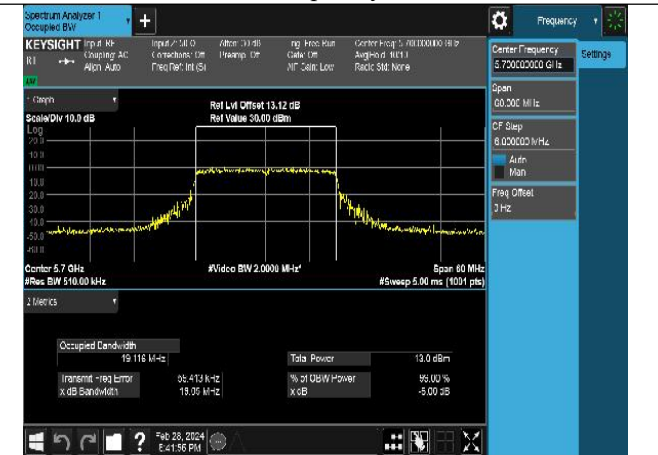
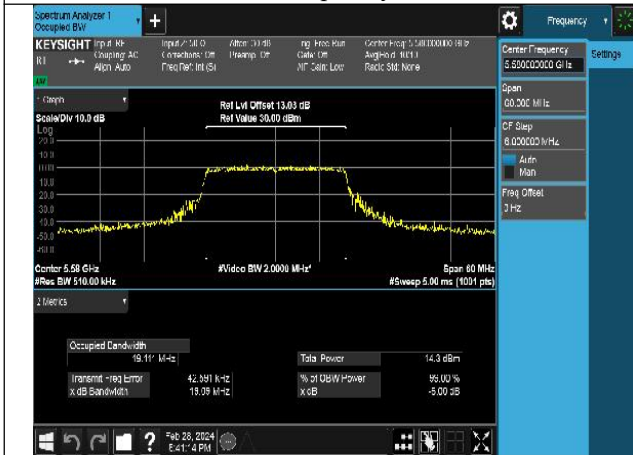
Test Mode: 802.11ax HE20





Mode:802.11ax HE20 Frequency:5700MHz Ant:Chain0

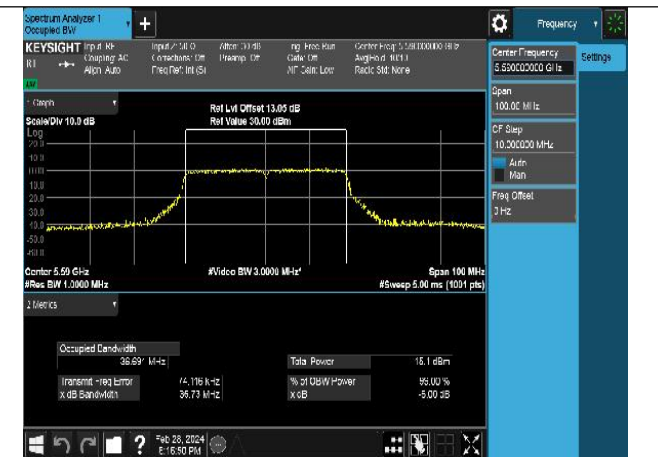
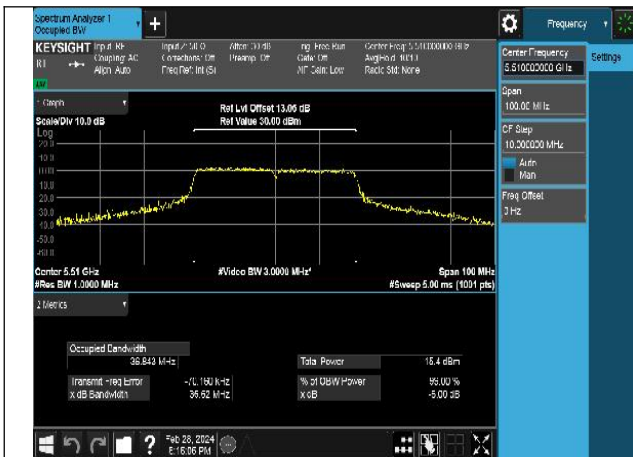
Mode:802.11ax HE20 Frequency:5500MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:5580MHz Ant:Chain1

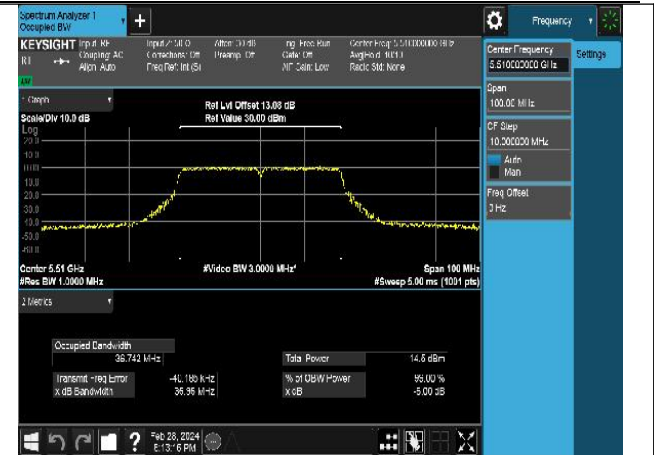
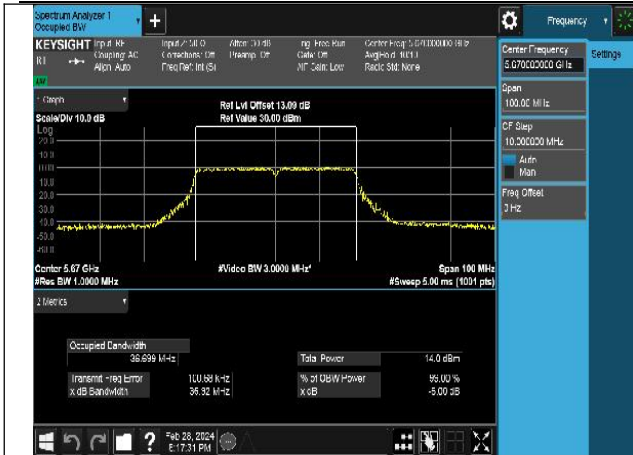
Mode:802.11ax HE20 Frequency:5700MHz Ant:Chain1

Test Mode: 802.11n HT40



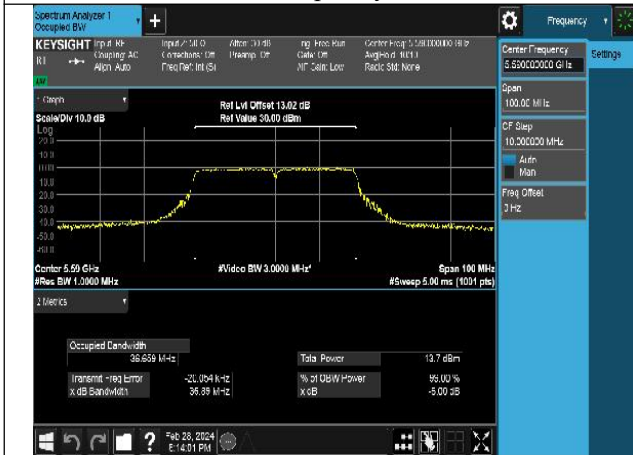
Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0

Mode:802.11n HT40 Frequency:5590MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0

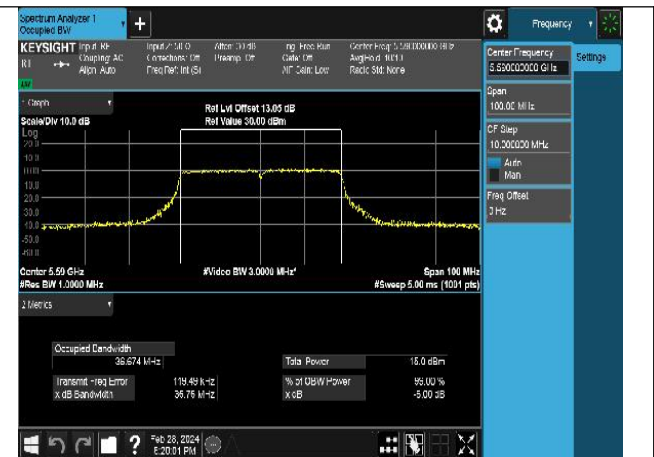
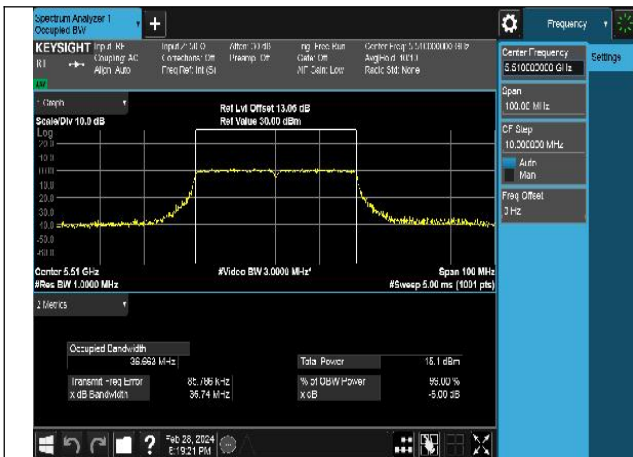
Mode:802.11n HT40 Frequency:5510MHz Ant:Chain1



Mode:802.11n HT40 Frequency:5590MHz Ant:Chain1

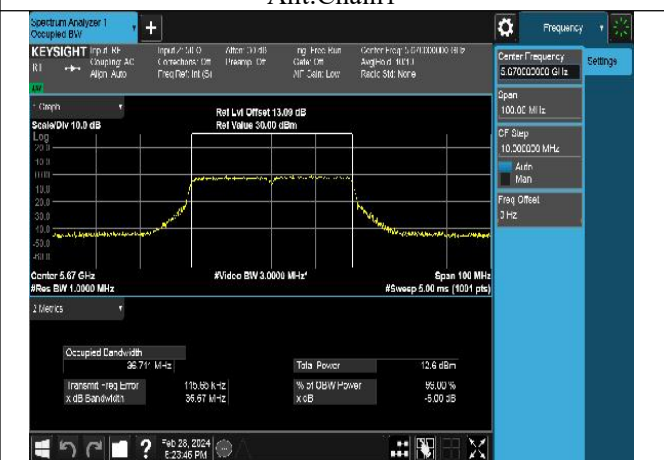
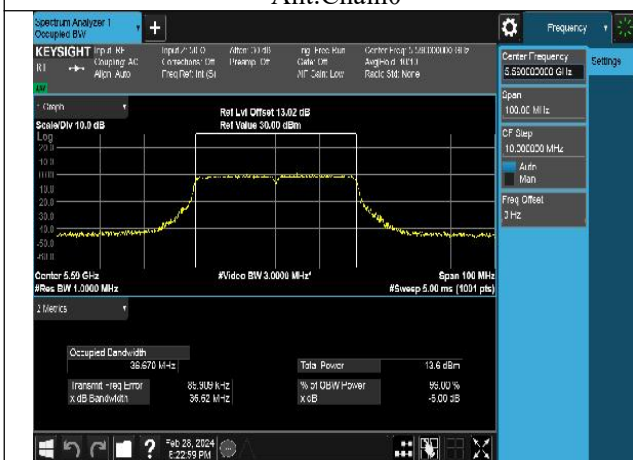
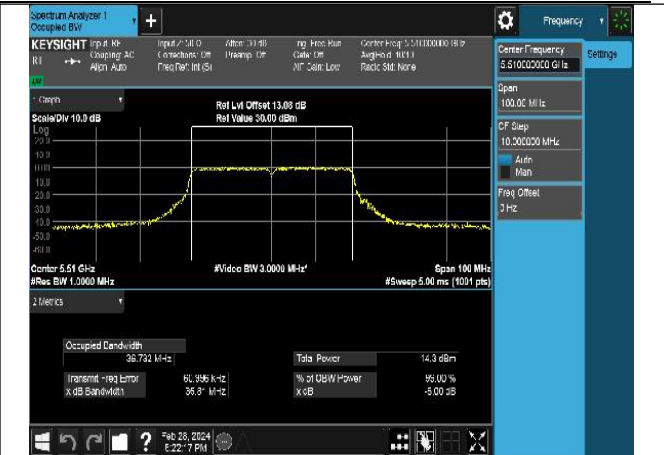
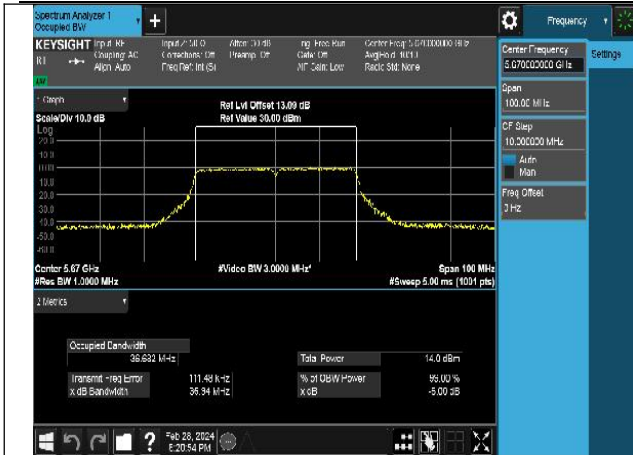
Mode:802.11n HT40 Frequency:5670MHz Ant:Chain1

Test Mode: 802.11ac VHT40

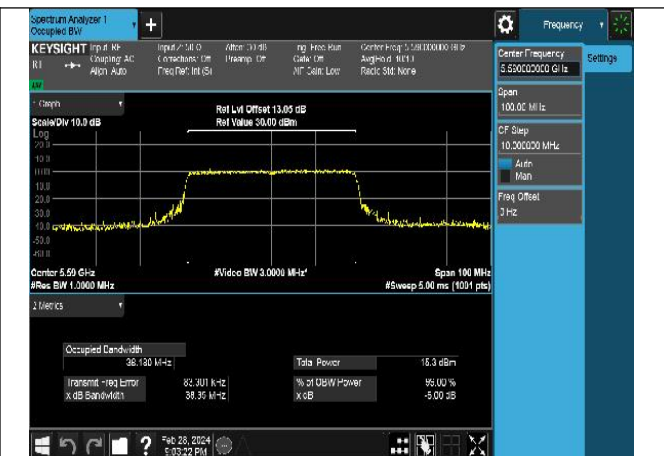
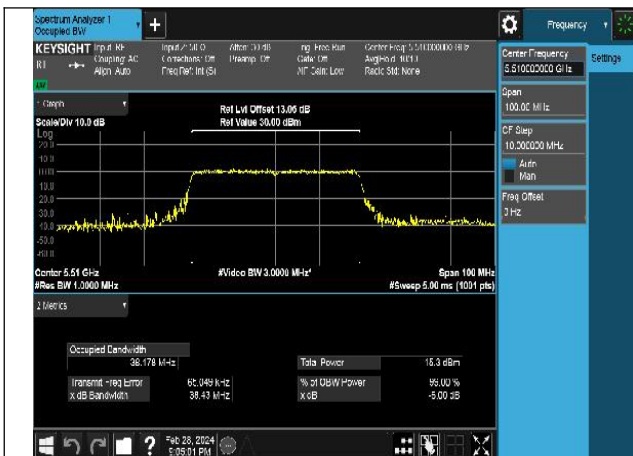


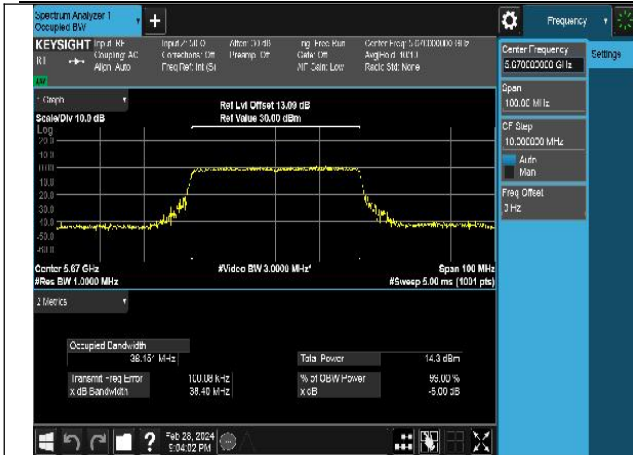
Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain0

Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0



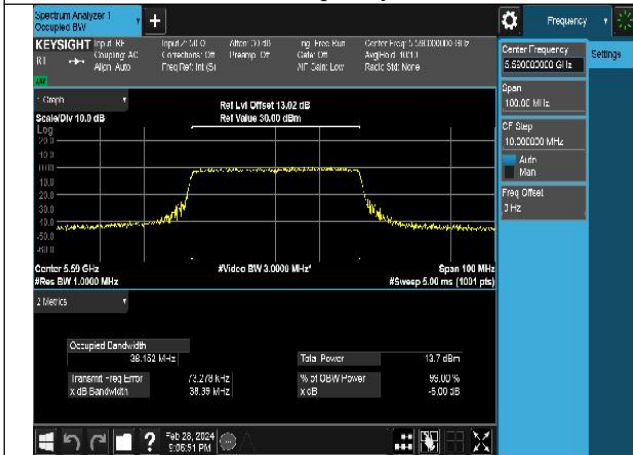
Test Mode: 802.11ax HE40





Mode:802.11ax HE40 Frequency:5670MHz Ant:Chain0

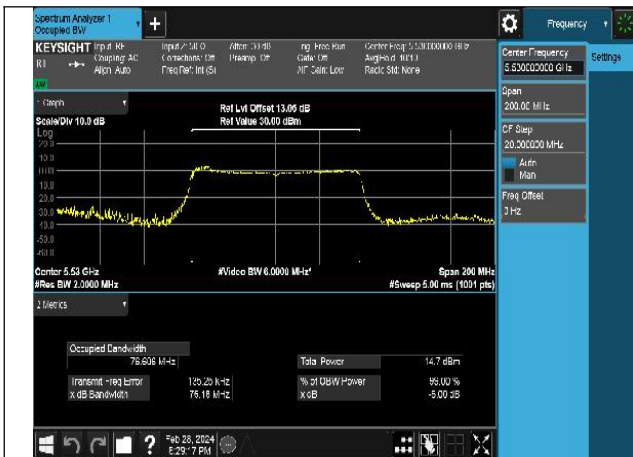
Mode:802.11ax HE40 Frequency:5510MHz Ant:Chain1



Mode:802.11ax HE40 Frequency:5590MHz Ant:Chain1

Mode:802.11ax HE40 Frequency:5670MHz Ant:Chain1

Test Mode: 802.11ac VHT80

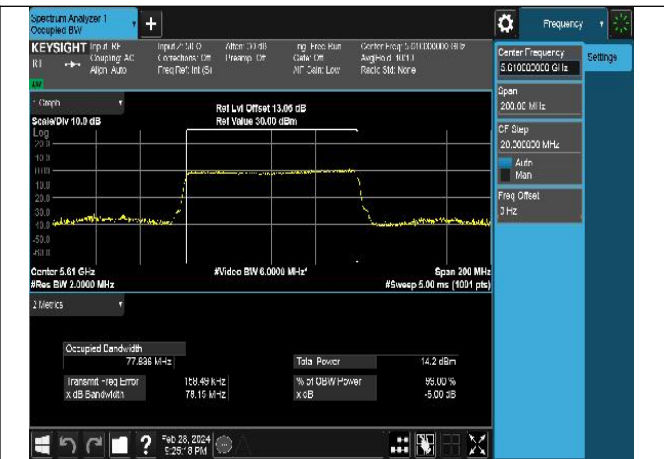
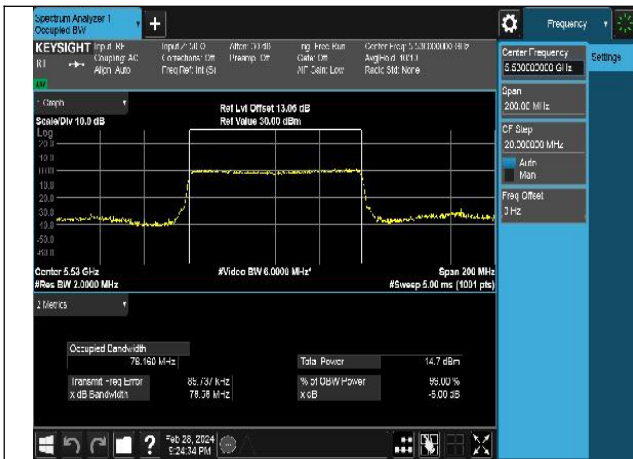


Mode:802.11ac VHT80 Frequency:5530MHz
Ant:Chain0

Mode:802.11ac VHT80 Frequency:5610MHz
Ant:Chain0

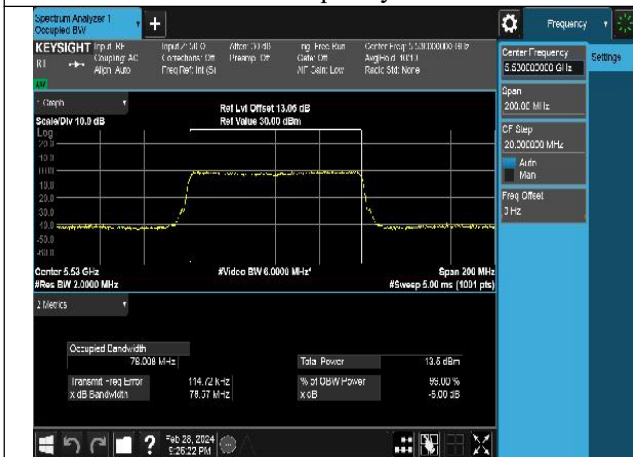


Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Frequency:5530MHz Ant:Chain0

Mode:802.11ax HE80 Frequency:5610MHz Ant:Chain0



Mode:802.11ax HE80 Frequency:5530MHz Ant:Chain1

Mode:802.11ax HE80 Frequency:5610MHz Ant:Chain1

Transmitter Power Spectral Density

Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Tones	5500MHz		5580MHz		5700MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11a	Chain0	NA	0.00	0.756	0.00	0.404	0.00	-0.425
802.11a	Chain1	NA	0.00	-1.041	0.00	-2.193	0.00	-3.389
802.11n HT20	Chain0	NA	0.00	-2.053	0.00	-1.993	0.00	-3.053
802.11n HT20	Chain1	NA	0.00	-2.823	0.00	-3.338	0.00	-4.465
802.11n HT20	MIMO	NA	0.00	0.589	0.00	0.397	0.00	-0.692
802.11ac VHT20	Chain0	NA	0.00	-1.185	0.00	-0.644	0.00	-2.402
802.11ac VHT20	Chain1	NA	0.00	-0.348	0.00	-1.789	0.00	-2.046
802.11ac VHT20	MIMO	NA	0.00	2.264	0.00	1.831	0.00	0.790
802.11ax HE20	Chain0	26T	0.00	9.964	0.00	9.004	0.00	8.081
802.11ax HE20	Chain1	26T	0.00	8.462	0.00	7.624	0.00	6.404
802.11ax HE20	MIMO	26T	0.00	12.288	0.00	11.379	0.00	10.333
802.11ax HE20	Chain0	52T	0.00	7.451	0.00	6.373	0.00	6.027
802.11ax HE20	Chain1	52T	0.00	5.922	0.00	4.934	0.00	3.727
802.11ax HE20	MIMO	52T	0.00	9.764	0.00	8.723	0.00	8.038
802.11ax HE20	Chain0	106T	0.00	2.843	0.00	3.059	0.00	1.653
802.11ax HE20	Chain1	106T	0.00	1.706	0.00	1.274	0.00	0.014
802.11ax HE20	MIMO	106T	0.00	5.322	0.00	5.268	0.00	3.921
802.11ax HE20	Chain0	242T	0.00	-1.958	0.00	-1.636	0.00	-3.102
802.11ax HE20	Chain1	242T	0.00	-2.927	0.00	-3.551	0.00	-4.657
802.11ax HE20	MIMO	242T	0.00	0.595	0.00	0.522	0.00	-0.800

Test Mode	Antenna	Tones	5510MHz		5590MHz		5670MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11n HT40	Chain0	NA	0.00	-5.735	0.00	-6.399	0.00	-6.275
802.11n HT40	Chain1	NA	0.00	-6.321	0.00	-7.634	0.00	-7.910
802.11n HT40	MIMO	NA	0.00	-3.008	0.00	-3.962	0.00	-4.006
802.11ac VHT40	Chain0	NA	0.00	-5.225	0.00	-6.137	0.00	-7.207
802.11ac VHT40	Chain1	NA	0.00	-7.268	0.00	-7.732	0.00	-8.527
802.11ac VHT40	MIMO	NA	0.00	-3.117	0.00	-3.851	0.00	-4.807
802.11ax HE40	Chain0	26T	0.00	10.901	0.00	9.263	0.00	8.810
802.11ax HE40	Chain1	26T	0.00	9.067	0.00	8.162	0.00	7.074
802.11ax HE40	MIMO	26T	0.00	13.090	0.00	11.758	0.00	11.038
802.11ax HE40	Chain0	52T	0.00	8.237	0.00	6.450	0.00	6.089
802.11ax HE40	Chain1	52T	0.00	5.898	0.00	5.673	0.00	3.809
802.11ax HE40	MIMO	52T	0.00	10.233	0.00	9.089	0.00	8.107
802.11ax HE40	Chain0	106T	0.00	3.777	0.00	2.449	0.00	1.584
802.11ax HE40	Chain1	106T	0.00	2.097	0.00	0.815	0.00	0.130
802.11ax HE40	MIMO	106T	0.00	6.028	0.00	4.719	0.00	3.928
802.11ax HE40	Chain0	242T	0.00	-1.161	0.00	-2.308	0.00	-2.963
802.11ax HE40	Chain1	242T	0.00	-2.878	0.00	-3.931	0.00	-4.867
802.11ax HE40	MIMO	242T	0.00	1.075	0.00	-0.034	0.00	-0.801
802.11ax HE40	Chain0	484T	0.00	-4.749	0.00	-5.445	0.00	-6.098
802.11ax HE40	Chain1	484T	0.00	-7.494	0.00	-7.645	0.00	-8.649
802.11ax HE40	MIMO	484T	0.00	-2.898	0.00	-3.397	0.00	-4.179

Test Mode	Antenna	Tones	5530MHz		---		5610MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11ac VHT80	Chain0	NA	0.00	-10.898	---	---	0.00	-11.287
802.11ac VHT80	Chain1	NA	0.00	-12.917	---	---	0.00	-12.977
802.11ac VHT80	MIMO	NA	0.00	-8.781	---	---	0.00	-9.040
802.11ax HE80	Chain0	26T	0.00	11.690	---	---	0.00	9.177
802.11ax HE80	Chain1	26T	0.00	9.192	---	---	0.00	8.270
802.11ax HE80	MIMO	26T	0.00	13.628	---	---	0.00	11.757
802.11ax HE80	Chain0	52T	0.00	8.461	---	---	0.00	4.855
802.11ax HE80	Chain1	52T	0.00	6.259	---	---	0.00	6.516
802.11ax HE80	MIMO	52T	0.00	10.508	---	---	0.00	8.775
802.11ax HE80	Chain0	106T	0.00	4.402	---	---	0.00	2.305
802.11ax HE80	Chain1	106T	0.00	2.182	---	---	0.00	0.953
802.11ax HE80	MIMO	106T	0.00	6.443	---	---	0.00	4.692
802.11ax HE80	Chain0	242T	0.00	-0.582	---	---	0.00	-2.671
802.11ax HE80	Chain1	242T	0.00	-3.067	---	---	0.00	-3.910
802.11ax HE80	MIMO	242T	0.00	1.361	---	---	0.00	-0.236
802.11ax HE80	Chain0	484T	0.00	-5.239	---	---	0.00	-7.577
802.11ax HE80	Chain1	484T	0.00	-7.709	---	---	0.00	-9.179
802.11ax HE80	MIMO	484T	0.00	-3.290	---	---	0.00	-5.294
802.11ax HE80	Chain0	996T	0.00	-8.292	---	---	0.00	-8.764
802.11ax HE80	Chain1	996T	0.00	-11.896	---	---	0.00	-11.812
802.11ax HE80	MIMO	996T	0.00	-6.720	---	---	0.00	-7.016

Test Mode: 802.11a

