

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5260	99.72%	0	Fig.1
802.11a	5260	99.77%	0	Fig.2
802.11n HT20	5260	99.86%	0	Fig.3
802.11n HT20	5260	99.87%	0	Fig.4
802.11ac VHT20	5260	99.89%	0	Fig.5
802.11ac VHT20	5260	99.90%	0	Fig.6
802.11ax HE20	5260	99.90%	0	Fig.7
802.11ax HE20	5260	99.89%	0	Fig.8
802.11n HT40	5270	99.87%	0	Fig.9
802.11n HT40	5270	99.87%	0	Fig.10
802.11ac VHT40	5270	99.89%	0	Fig.11
802.11ac VHT40	5270	99.92%	0	Fig.12
802.11ax HE40	5270	99.90%	0	Fig.13
802.11ax HE40	5270	99.91%	0	Fig.14
802.11ac VHT80	5290	99.83%	0	Fig.15
802.11ac VHT80	5290	99.83%	0	Fig.16
802.11ax HE80	5290	99.91%	0	Fig.17
802.11ax HE80	5290	99.93%	0	Fig.18

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

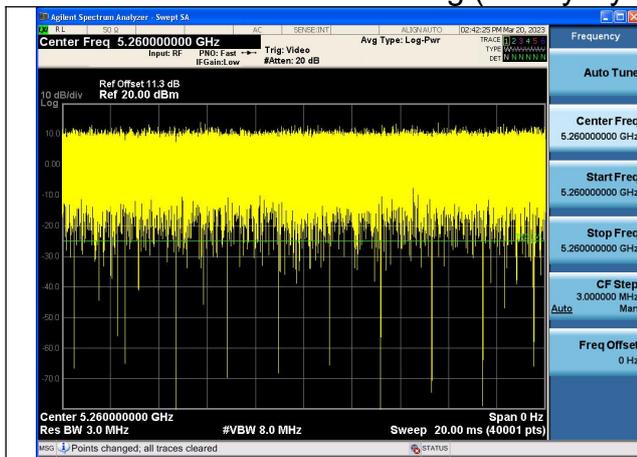


Fig.1

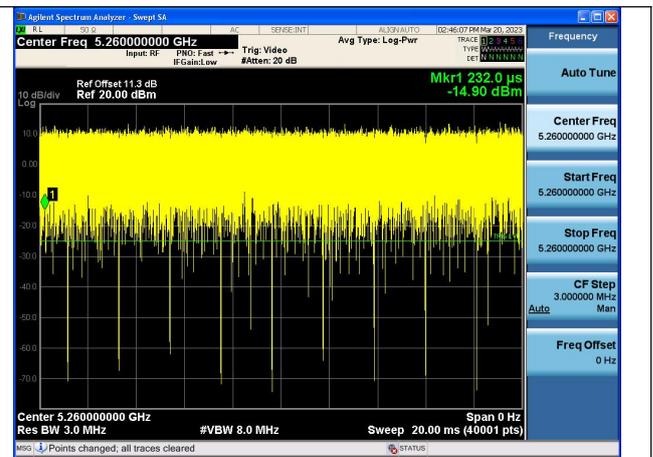


Fig.2

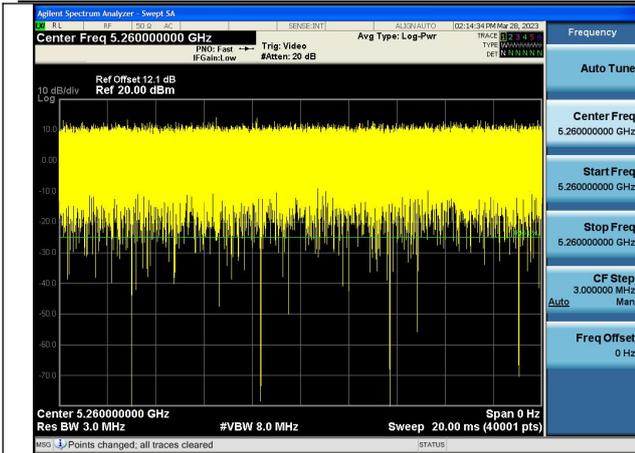


Fig.3

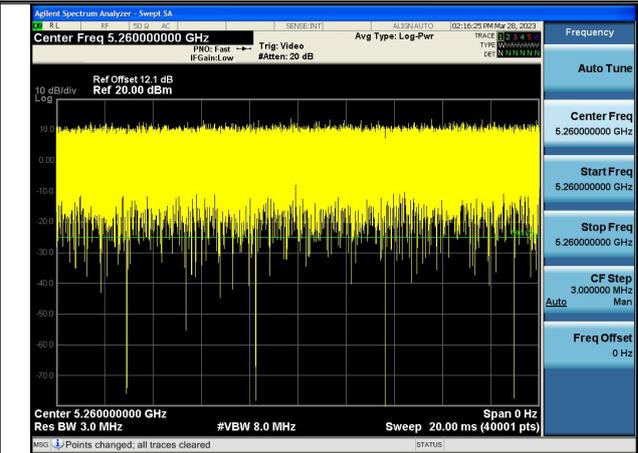


Fig.4

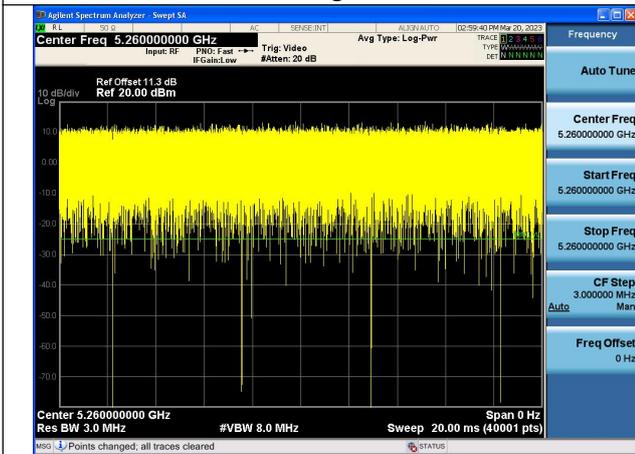


Fig.5

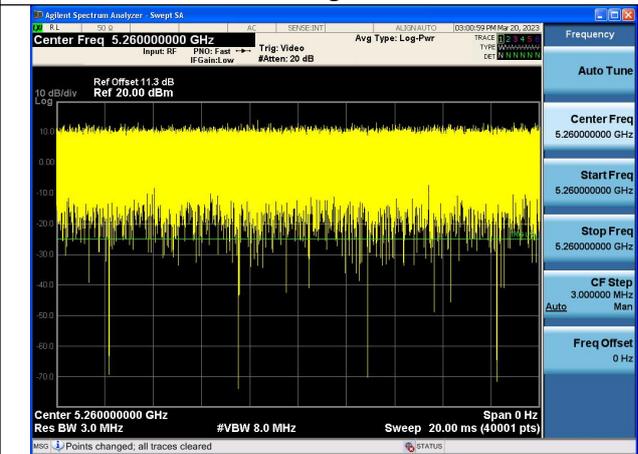


Fig.6

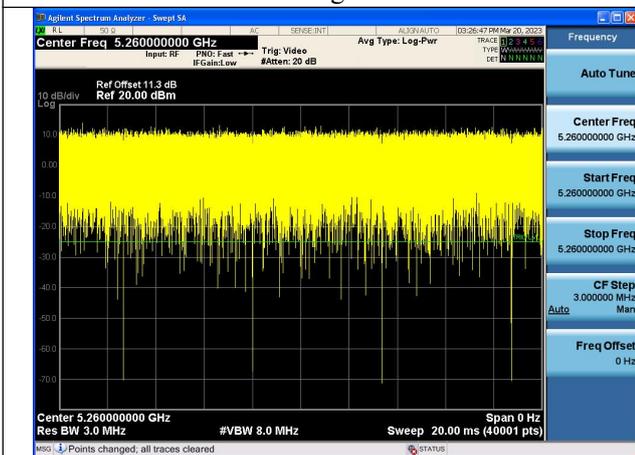


Fig.7

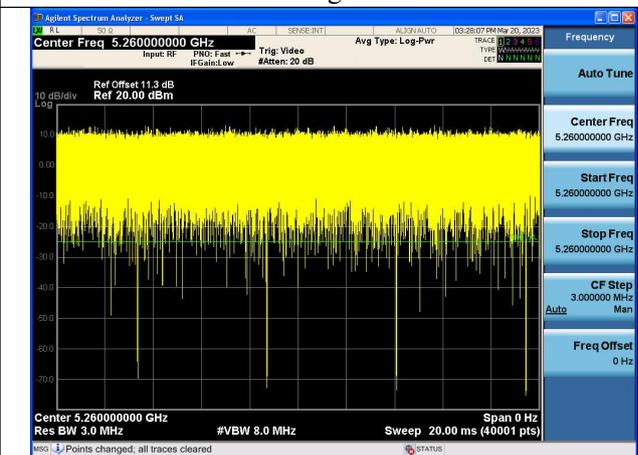


Fig.8

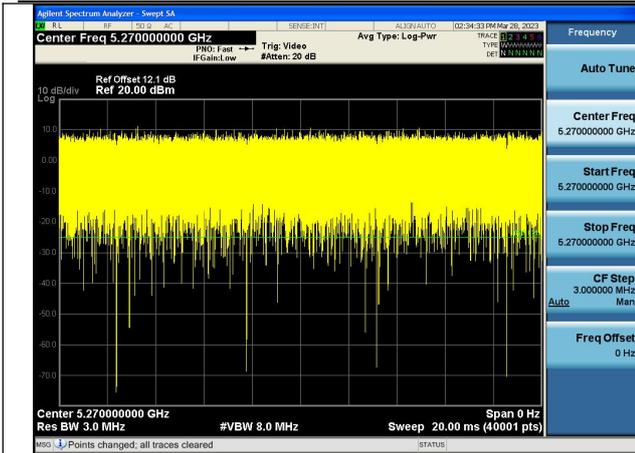


Fig.9

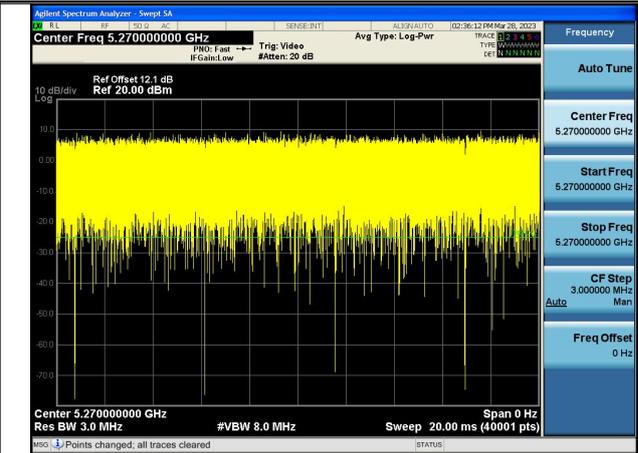


Fig.10

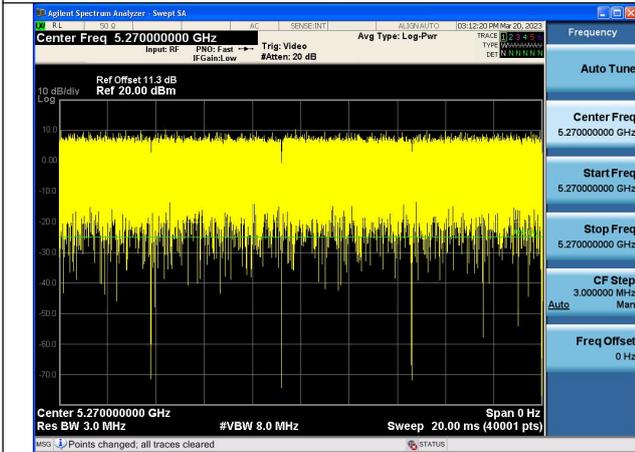


Fig.11

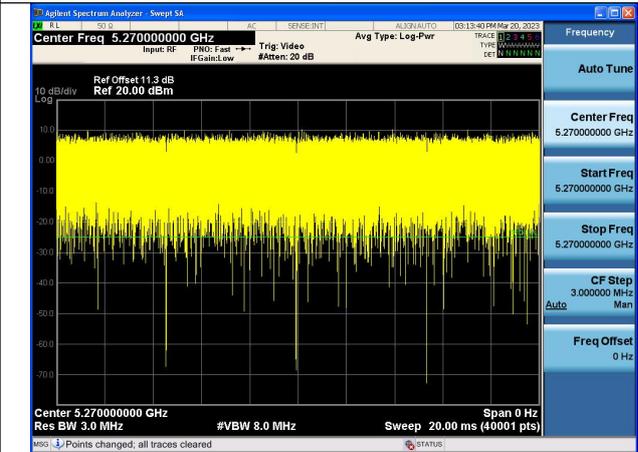


Fig.12

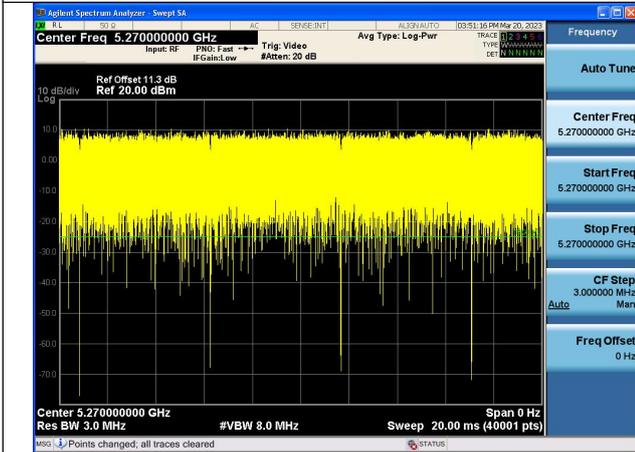


Fig.13

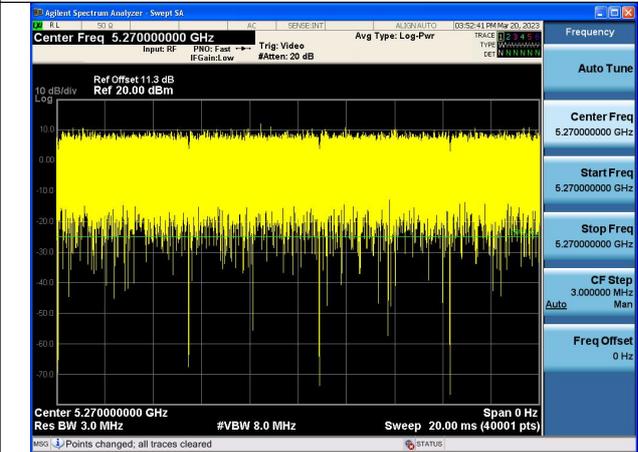


Fig.14

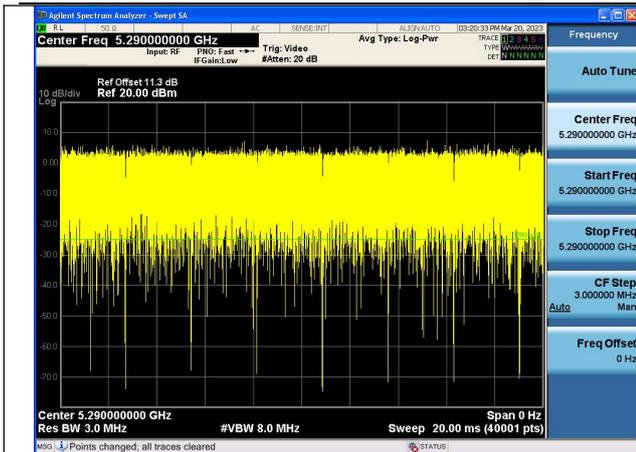


Fig.15

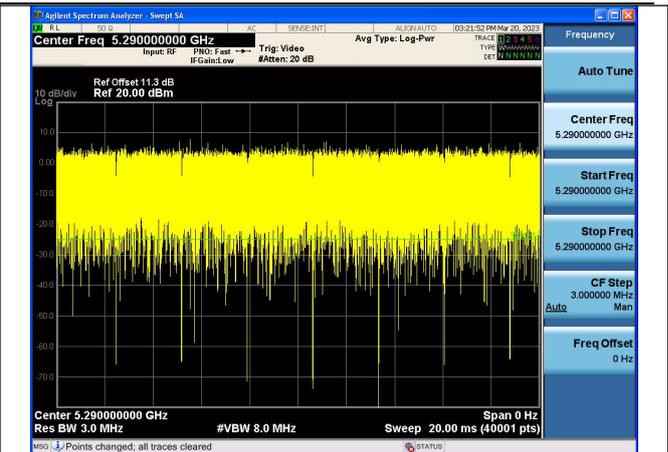


Fig.16

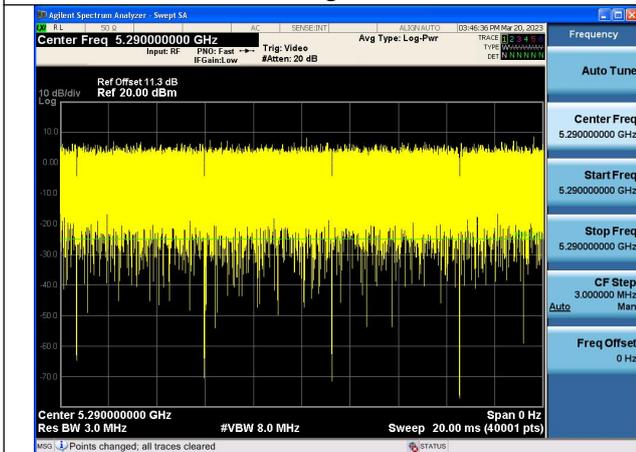


Fig.17

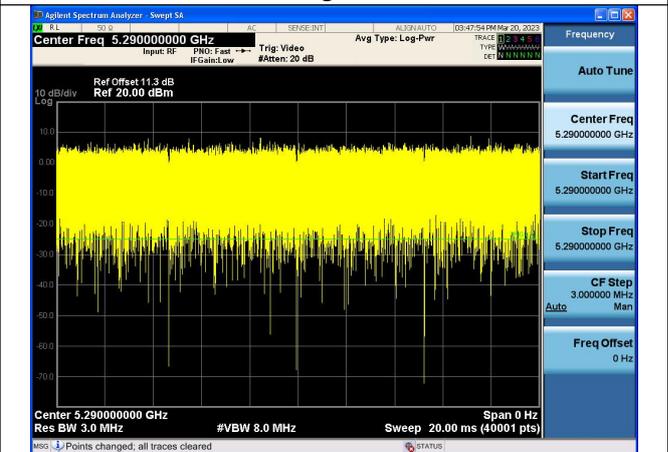


Fig.18

Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5260	Chain0	11.05	8.05
802.11a	NA	5260	Chain1	11.03	9.03
802.11a	NA	5280	Chain0	11.52	8.52
802.11a	NA	5280	Chain1	11.54	9.54
802.11a	NA	5320	Chain0	11.50	8.50
802.11a	NA	5320	Chain1	11.51	9.51
802.11n HT20	NA	5260	Chain0	11.69	8.69
802.11n HT20	NA	5260	Chain1	11.70	9.70
802.11n HT20	NA	5260	MIMO	14.71	12.24
802.11n HT20	NA	5280	Chain0	11.85	8.85
802.11n HT20	NA	5280	Chain1	11.85	9.85
802.11n HT20	NA	5280	MIMO	14.86	12.39
802.11n HT20	NA	5320	Chain0	11.80	8.80
802.11n HT20	NA	5320	Chain1	11.80	9.80
802.11n HT20	NA	5320	MIMO	14.81	12.34
802.11ac VHT20	NA	5260	Chain0	11.55	8.55
802.11ac VHT20	NA	5260	Chain1	11.56	9.56
802.11ac VHT20	NA	5260	MIMO	14.57	12.10
802.11ac VHT20	NA	5280	Chain0	11.57	8.57
802.11ac VHT20	NA	5280	Chain1	11.57	9.57
802.11ac VHT20	NA	5280	MIMO	14.58	12.11
802.11ac VHT20	NA	5320	Chain0	11.55	8.55
802.11ac VHT20	NA	5320	Chain1	11.57	9.57
802.11ac VHT20	NA	5320	MIMO	14.57	12.10
802.11n HT40	NA	5270	Chain0	11.33	8.33
802.11n HT40	NA	5270	Chain1	11.32	9.32
802.11n HT40	NA	5270	MIMO	14.34	11.87
802.11n HT40	NA	5310	Chain0	11.40	8.40
802.11n HT40	NA	5310	Chain1	11.40	9.40
802.11n HT40	NA	5310	MIMO	14.41	11.94
802.11ac VHT40	NA	5270	Chain0	11.73	8.73
802.11ac VHT40	NA	5270	Chain1	11.70	9.70
802.11ac VHT40	NA	5270	MIMO	14.73	12.26
802.11ac VHT40	NA	5310	Chain0	11.59	8.59
802.11ac VHT40	NA	5310	Chain1	11.62	9.62
802.11ac VHT40	NA	5310	MIMO	14.62	12.15
802.11ac VHT80	NA	5290	Chain0	11.28	8.28
802.11ac VHT80	NA	5290	Chain1	11.25	9.25
802.11ac VHT80	NA	5290	MIMO	14.28	11.81

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average	EIRP (dBm)
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				power output(dBm)	
802.11ax HE20	26T 0	5260	Chain0	7.20	4.20
802.11ax HE20	26T 0	5260	Chain1	7.24	5.24
802.11ax HE20	26T 0	5260	MIMO	10.23	7.76
802.11ax HE20	26T 0	5280	Chain0	7.59	4.59
802.11ax HE20	26T 0	5280	Chain1	7.61	5.61
802.11ax HE20	26T 0	5280	MIMO	10.61	8.14
802.11ax HE20	26T 0	5320	Chain0	7.76	4.76
802.11ax HE20	26T 0	5320	Chain1	7.75	5.75
802.11ax HE20	26T 0	5320	MIMO	10.77	8.30
802.11ax HE20	26T 4	5260	Chain0	7.50	4.50
802.11ax HE20	26T 4	5260	Chain1	7.50	5.50
802.11ax HE20	26T 4	5260	MIMO	10.51	8.04
802.11ax HE20	26T 4	5280	Chain0	7.61	4.61
802.11ax HE20	26T 4	5280	Chain1	7.70	5.70
802.11ax HE20	26T 4	5280	MIMO	10.67	8.20
802.11ax HE20	26T 4	5320	Chain0	7.23	4.23
802.11ax HE20	26T 4	5320	Chain1	7.26	5.26
802.11ax HE20	26T 4	5320	MIMO	10.26	7.79
802.11ax HE20	26T 8	5260	Chain0	7.48	4.48
802.11ax HE20	26T 8	5260	Chain1	7.53	5.53
802.11ax HE20	26T 8	5260	MIMO	10.52	8.05
802.11ax HE20	26T 8	5280	Chain0	7.09	4.09
802.11ax HE20	26T 8	5280	Chain1	7.08	5.08
802.11ax HE20	26T 8	5280	MIMO	10.10	7.63
802.11ax HE20	26T 8	5320	Chain0	6.95	3.95
802.11ax HE20	26T 8	5320	Chain1	6.96	4.96
802.11ax HE20	26T 8	5320	MIMO	9.97	7.50
802.11ax HE20	52T 37	5260	Chain0	6.93	3.93
802.11ax HE20	52T 37	5260	Chain1	6.94	4.94
802.11ax HE20	52T 37	5260	MIMO	9.95	7.48
802.11ax HE20	52T 37	5280	Chain0	6.86	3.86
802.11ax HE20	52T 37	5280	Chain1	7.35	5.35
802.11ax HE20	52T 37	5280	MIMO	10.12	7.65
802.11ax HE20	52T 37	5320	Chain0	7.76	4.76
802.11ax HE20	52T 37	5320	Chain1	7.02	5.02
802.11ax HE20	52T 37	5320	MIMO	10.42	7.95
802.11ax HE20	52T 39	5260	Chain0	7.11	4.11
802.11ax HE20	52T 39	5260	Chain1	7.81	5.81
802.11ax HE20	52T 39	5260	MIMO	10.48	8.01
802.11ax HE20	52T 39	5280	Chain0	7.27	4.27
802.11ax HE20	52T 39	5280	Chain1	7.40	5.40
802.11ax HE20	52T 39	5280	MIMO	10.35	7.88
802.11ax HE20	52T 39	5320	Chain0	7.10	4.10
802.11ax HE20	52T 39	5320	Chain1	7.10	5.10

802.11ax HE20	52T 39	5320	MIMO	10.11	7.64
802.11ax HE20	52T 40	5260	Chain0	7.15	4.15
802.11ax HE20	52T 40	5260	Chain1	7.12	5.12
802.11ax HE20	52T 40	5260	MIMO	10.15	7.68
802.11ax HE20	52T 40	5280	Chain0	7.38	4.38
802.11ax HE20	52T 40	5280	Chain1	7.40	5.40
802.11ax HE20	52T 40	5280	MIMO	10.40	7.93
802.11ax HE20	52T 40	5320	Chain0	7.02	4.02
802.11ax HE20	52T 40	5320	Chain1	7.06	5.06
802.11ax HE20	52T 40	5320	MIMO	10.05	7.58
802.11ax HE20	106T 53	5260	Chain0	7.15	4.15
802.11ax HE20	106T 53	5260	Chain1	7.17	5.17
802.11ax HE20	106T 53	5260	MIMO	10.17	7.70
802.11ax HE20	106T 53	5280	Chain0	6.25	3.25
802.11ax HE20	106T 53	5280	Chain1	6.25	4.25
802.11ax HE20	106T 53	5280	MIMO	9.26	6.79
802.11ax HE20	106T 53	5320	Chain0	6.92	3.92
802.11ax HE20	106T 53	5320	Chain1	6.92	4.92
802.11ax HE20	106T 53	5320	MIMO	9.93	7.46
802.11ax HE20	106T 54	5260	Chain0	6.78	3.78
802.11ax HE20	106T 54	5260	Chain1	6.79	4.79
802.11ax HE20	106T 54	5260	MIMO	9.80	7.33
802.11ax HE20	106T 54	5280	Chain0	6.79	3.79
802.11ax HE20	106T 54	5280	Chain1	6.78	4.78
802.11ax HE20	106T 54	5280	MIMO	9.80	7.33
802.11ax HE20	106T 54	5320	Chain0	6.44	3.44
802.11ax HE20	106T 54	5320	Chain1	6.54	4.54
802.11ax HE20	106T 54	5320	MIMO	9.50	7.03
802.11ax HE20	242T 61	5260	Chain0	11.17	8.17
802.11ax HE20	242T 61	5260	Chain1	11.21	9.21
802.11ax HE20	242T 61	5260	MIMO	14.20	11.73
802.11ax HE20	242T 61	5280	Chain0	11.15	8.15
802.11ax HE20	242T 61	5280	Chain1	11.16	9.16
802.11ax HE20	242T 61	5280	MIMO	14.17	11.70
802.11ax HE20	242T 61	5320	Chain0	11.11	8.11
802.11ax HE20	242T 61	5320	Chain1	11.13	9.13
802.11ax HE20	242T 61	5320	MIMO	14.13	11.66
802.11ax HE40	26T 0	5270	Chain0	7.46	4.46
802.11ax HE40	26T 0	5270	Chain1	7.47	5.47
802.11ax HE40	26T 0	5270	MIMO	10.48	8.01
802.11ax HE40	26T 0	5310	Chain0	7.65	4.65
802.11ax HE40	26T 0	5310	Chain1	7.66	5.66
802.11ax HE40	26T 0	5310	MIMO	10.67	8.20
802.11ax HE40	26T 10	5270	Chain0	7.92	4.92
802.11ax HE40	26T 10	5270	Chain1	7.96	5.96
802.11ax HE40	26T 10	5270	MIMO	10.95	8.48

802.11ax HE40	26T 10	5310	Chain0	7.74	4.74
802.11ax HE40	26T 10	5310	Chain1	7.72	5.72
802.11ax HE40	26T 10	5310	MIMO	10.74	8.27
802.11ax HE40	26T 17	5270	Chain0	7.95	4.95
802.11ax HE40	26T 17	5270	Chain1	7.86	5.86
802.11ax HE40	26T 17	5270	MIMO	10.92	8.45
802.11ax HE40	52T 37	5270	Chain0	7.81	4.81
802.11ax HE40	52T 37	5270	Chain1	7.80	5.80
802.11ax HE40	52T 37	5270	MIMO	10.82	8.35
802.11ax HE40	52T 37	5310	Chain0	7.54	4.54
802.11ax HE40	52T 37	5310	Chain1	7.53	5.53
802.11ax HE40	52T 37	5310	MIMO	10.55	8.08
802.11ax HE40	52T 41	5270	Chain0	7.34	4.34
802.11ax HE40	52T 41	5270	Chain1	7.32	5.32
802.11ax HE40	52T 41	5270	MIMO	10.34	7.87
802.11ax HE40	52T 41	5310	Chain0	6.64	3.64
802.11ax HE40	52T 41	5310	Chain1	6.63	4.63
802.11ax HE40	52T 41	5310	MIMO	9.65	7.18
802.11ax HE40	52T 44	5270	Chain0	7.85	4.85
802.11ax HE40	52T 44	5270	Chain1	7.86	5.86
802.11ax HE40	52T 44	5270	MIMO	10.87	8.40
802.11ax HE40	52T 44	5310	Chain0	6.66	3.66
802.11ax HE40	52T 44	5310	Chain1	6.67	4.67
802.11ax HE40	52T 44	5310	MIMO	9.68	7.21
802.11ax HE40	106T 53	5270	Chain0	7.84	4.84
802.11ax HE40	106T 53	5270	Chain1	7.85	5.85
802.11ax HE40	106T 53	5270	MIMO	10.86	8.39
802.11ax HE40	106T 53	5310	Chain0	7.54	4.54
802.11ax HE40	106T 53	5310	Chain1	7.55	5.55
802.11ax HE40	106T 53	5310	MIMO	10.56	8.09
802.11ax HE40	106T 55	5270	Chain0	7.80	4.80
802.11ax HE40	106T 55	5270	Chain1	7.83	5.83
802.11ax HE40	106T 55	5270	MIMO	10.83	8.36
802.11ax HE40	106T 55	5310	Chain0	7.57	4.57
802.11ax HE40	106T 55	5310	Chain1	7.58	5.58
802.11ax HE40	106T 55	5310	MIMO	10.59	8.12
802.11ax HE40	106T 56	5270	Chain0	7.83	4.83
802.11ax HE40	106T 56	5270	Chain1	7.81	5.81
802.11ax HE40	106T 56	5270	MIMO	10.83	8.36
802.11ax HE40	106T 56	5310	Chain0	6.95	3.95
802.11ax HE40	106T 56	5310	Chain1	6.91	4.91
802.11ax HE40	106T 56	5310	MIMO	9.94	7.47
802.11ax HE40	242T 61	5270	Chain0	7.26	4.26
802.11ax HE40	242T 61	5270	Chain1	7.26	5.26
802.11ax HE40	242T 61	5270	MIMO	10.27	7.80
802.11ax HE40	242T 61	5310	Chain0	6.92	3.92

802.11ax HE40	242T 61	5310	Chain1	6.94	4.94
802.11ax HE40	242T 61	5310	MIMO	9.94	7.47
802.11ax HE40	242T 62	5270	Chain0	7.26	4.26
802.11ax HE40	242T 62	5270	Chain1	7.27	5.27
802.11ax HE40	242T 62	5270	MIMO	10.28	7.81
802.11ax HE40	242T 62	5310	Chain0	6.64	3.64
802.11ax HE40	242T 62	5310	Chain1	6.68	4.68
802.11ax HE40	242T 62	5310	MIMO	9.67	7.20
802.11ax HE40	484T 65	5270	Chain0	11.65	8.65
802.11ax HE40	484T 65	5270	Chain1	11.68	9.68
802.11ax HE40	484T 65	5270	MIMO	14.68	12.21
802.11ax HE40	484T 65	5310	Chain0	11.55	8.55
802.11ax HE40	484T 65	5310	Chain1	11.54	9.54
802.11ax HE40	484T 65	5310	MIMO	14.56	12.09
802.11ax HE80	26T 0	5290	Chain0	6.99	3.99
802.11ax HE80	26T 0	5290	Chain1	7.01	5.01
802.11ax HE80	26T 0	5290	MIMO	10.01	7.54
802.11ax HE80	26T 18	5290	Chain0	7.05	4.05
802.11ax HE80	26T 18	5290	Chain1	7.12	5.12
802.11ax HE80	26T 18	5290	MIMO	10.10	7.63
802.11ax HE80	26T 36	5290	Chain0	7.09	4.09
802.11ax HE80	26T 36	5290	Chain1	7.01	5.01
802.11ax HE80	26T 36	5290	MIMO	10.06	7.59
802.11ax HE80	52T 37	5290	Chain0	7.02	4.02
802.11ax HE80	52T 37	5290	Chain1	7.03	5.03
802.11ax HE80	52T 37	5290	MIMO	10.04	7.57
802.11ax HE80	52T 45	5290	Chain0	7.01	4.01
802.11ax HE80	52T 45	5290	Chain1	7.04	5.04
802.11ax HE80	52T 45	5290	MIMO	10.04	7.57
802.11ax HE80	52T 52	5290	Chain0	6.99	3.99
802.11ax HE80	52T 52	5290	Chain1	7.02	5.02
802.11ax HE80	52T 52	5290	MIMO	10.02	7.55
802.11ax HE80	106T 53	5290	Chain0	7.02	4.02
802.11ax HE80	106T 53	5290	Chain1	6.95	4.95
802.11ax HE80	106T 53	5290	MIMO	10.00	7.53
802.11ax HE80	106T 57	5290	Chain0	7.06	4.06
802.11ax HE80	106T 57	5290	Chain1	7.01	5.01
802.11ax HE80	106T 57	5290	MIMO	10.05	7.58
802.11ax HE80	106T 60	5290	Chain0	7.01	4.01
802.11ax HE80	106T 60	5290	Chain1	7.08	5.08
802.11ax HE80	106T 60	5290	MIMO	10.06	7.59
802.11ax HE80	242T 61	5290	Chain0	6.92	3.92
802.11ax HE80	242T 61	5290	Chain1	7.02	5.02
802.11ax HE80	242T 61	5290	MIMO	9.98	7.51
802.11ax HE80	242T 63	5290	Chain0	7.03	4.03
802.11ax HE80	242T 63	5290	Chain1	7.04	5.04

802.11ax HE80	242T 63	5290	MIMO	10.05	7.58
802.11ax HE80	242T 64	5290	Chain0	6.97	3.97
802.11ax HE80	242T 64	5290	Chain1	7.03	5.03
802.11ax HE80	242T 64	5290	MIMO	10.01	7.54
802.11ax HE80	484T 65	5290	Chain0	6.99	3.99
802.11ax HE80	484T 65	5290	Chain1	7.02	5.02
802.11ax HE80	484T 65	5290	MIMO	10.02	7.55
802.11ax HE80	484T 66	5290	Chain0	7.10	4.10
802.11ax HE80	484T 66	5290	Chain1	7.08	5.08
802.11ax HE80	484T 66	5290	MIMO	10.10	7.63
802.11ax HE80	996T 67	5290	Chain0	11.45	8.45
802.11ax HE80	996T 67	5290	Chain1	11.40	9.40
802.11ax HE80	996T 67	5290	MIMO	14.44	11.97

Emission Bandwidth

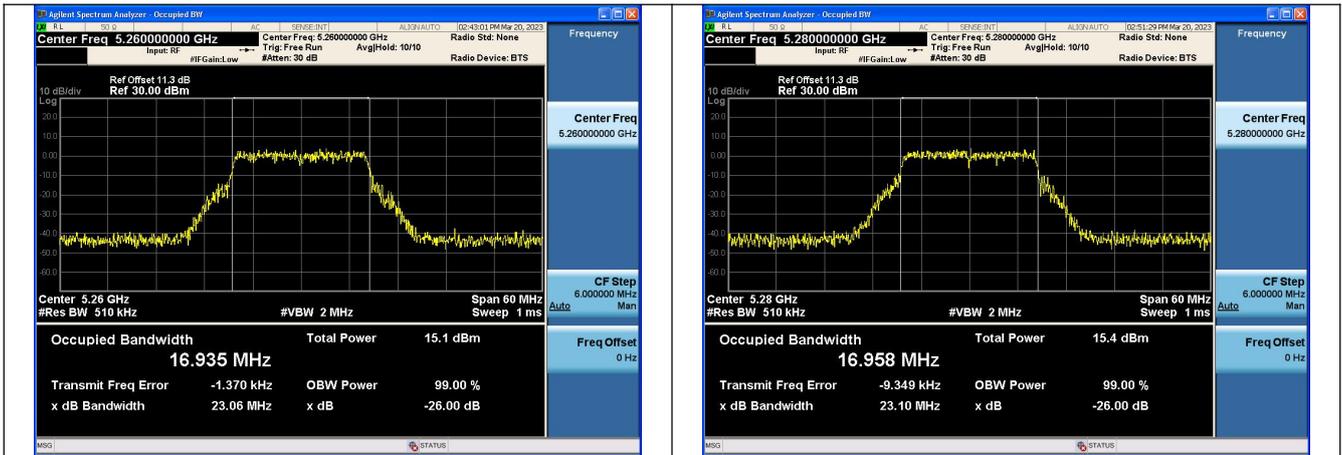
Offset 11.3dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.52	Channel No.56	Channel No.64
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	23.06	23.10	23.39
802.11a	Chain1	22.98	22.85	23.35
802.11n HT20	Chain0	22.86	22.83	23.42
802.11n HT20	Chain1	22.67	23.83	23.61
802.11ac VHT20	Chain0	23.16	23.48	23.34
802.11ac VHT20	Chain1	23.16	22.89	23.13
802.11ax HE20	Chain0	22.36	22.04	23.72
802.11ax HE20	Chain1	22.07	22.24	21.61

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.54	---	Channel No.62
		5270MHz	---	5310MHz
802.11n HT40	Chain0	43.94	---	43.75
802.11n HT40	Chain1	43.31	---	44.36
802.11ac VHT40	Chain0	43.70	---	44.92
802.11ac VHT40	Chain1	46.43	---	43.24
802.11ax HE40	Chain0	43.32	---	43.35
802.11ax HE40	Chain1	43.21	---	41.47

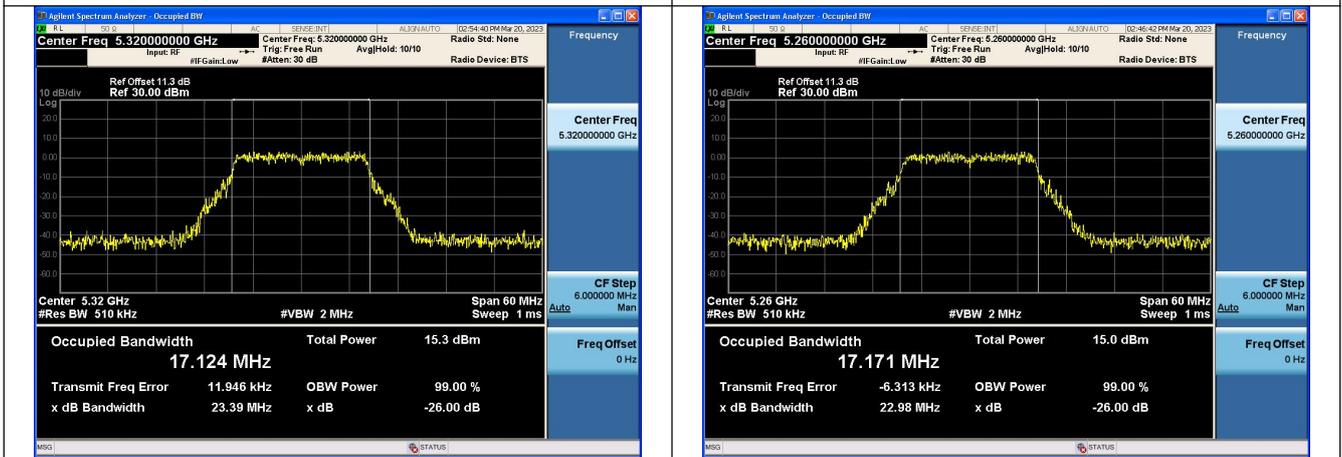
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.58	---	---
		5290MHz	---	---
802.11ac VHT80	Chain0	87.94	---	---
802.11ac VHT80	Chain1	89.70	---	---
802.11ax HE80	Chain0	85.11	---	---
802.11ax HE80	Chain1	88.24	---	---

Test Mode: 802.11a



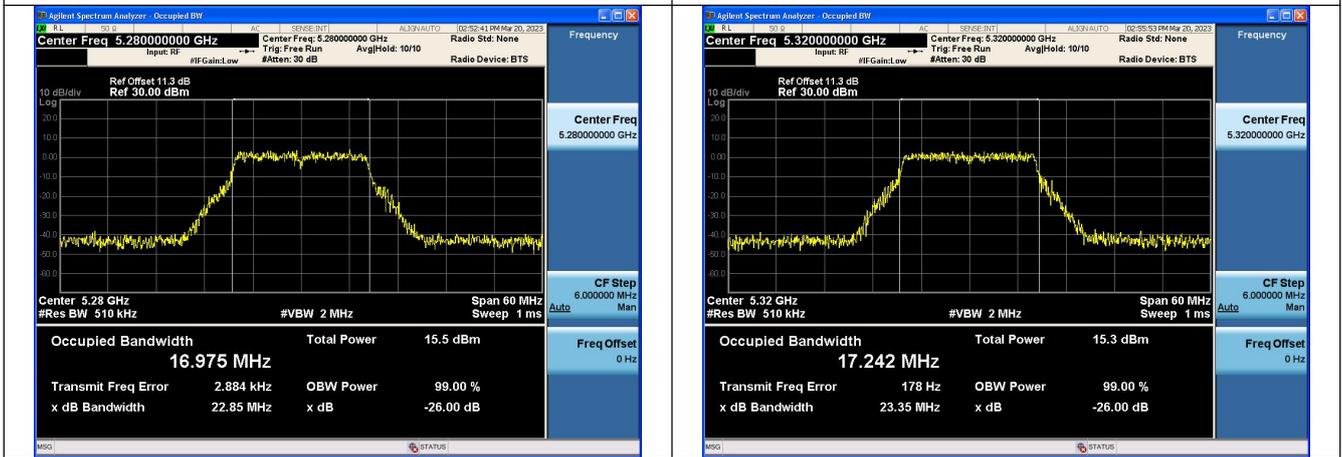
Test Mode:802.11a 5260MHz Chain0

Test Mode:802.11a 5280MHz Chain0



Test Mode:802.11a 5320MHz Chain0

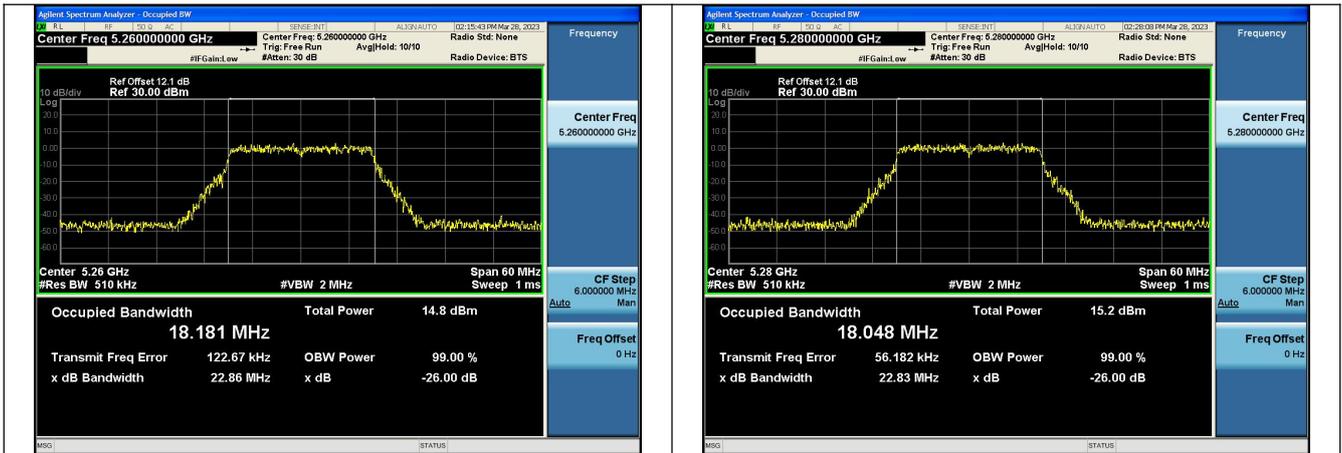
Test Mode:802.11a 5260MHz Chain1



Test Mode:802.11a 5280MHz Chain1

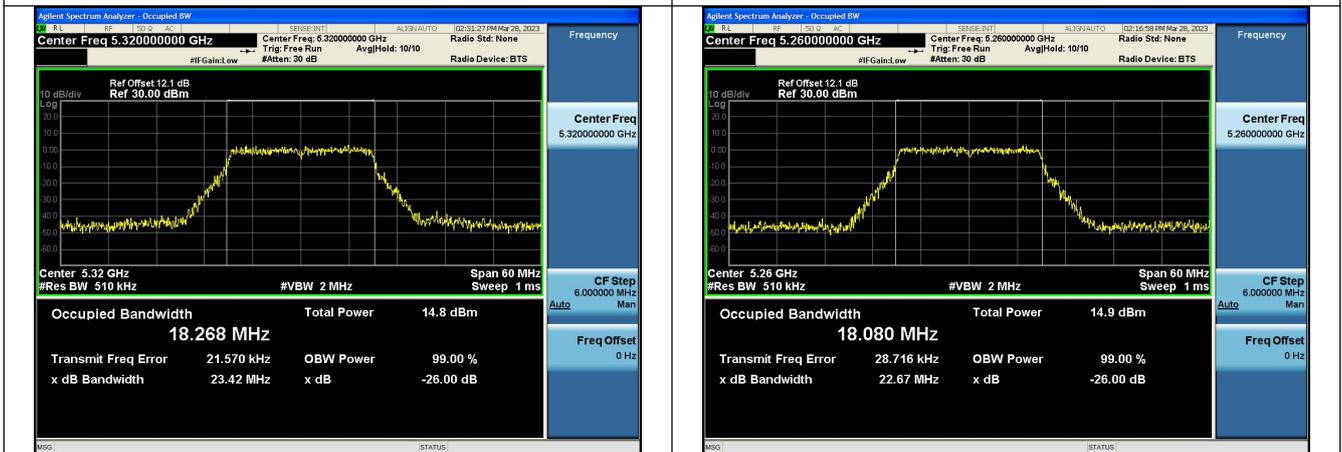
Test Mode:802.11a 5320MHz Chain1

Test Mode: 802.11n HT20



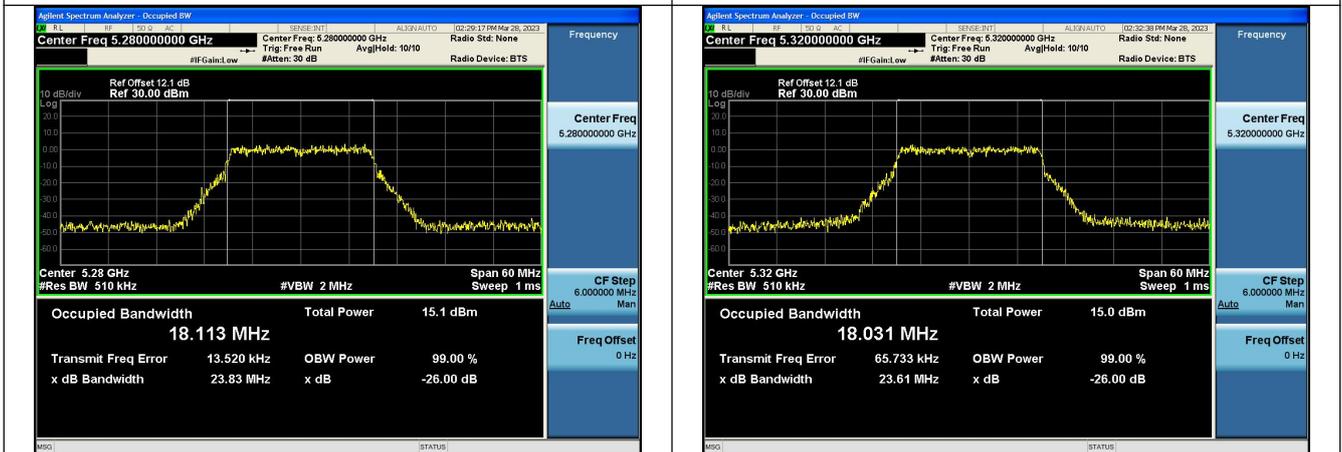
Test Mode:802.11n HT20 5260MHz Chain0

Test Mode:802.11n HT20 5280MHz Chain0



Test Mode:802.11n HT20 5320MHz Chain0

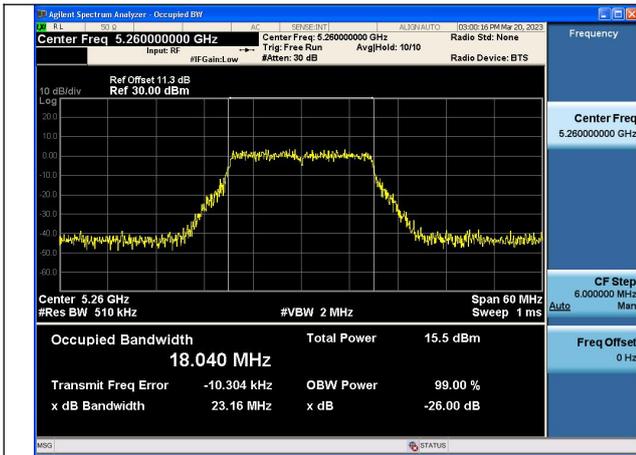
Test Mode:802.11n HT20 5260MHz Chain1



Test Mode:802.11n HT20 5280MHz Chain1

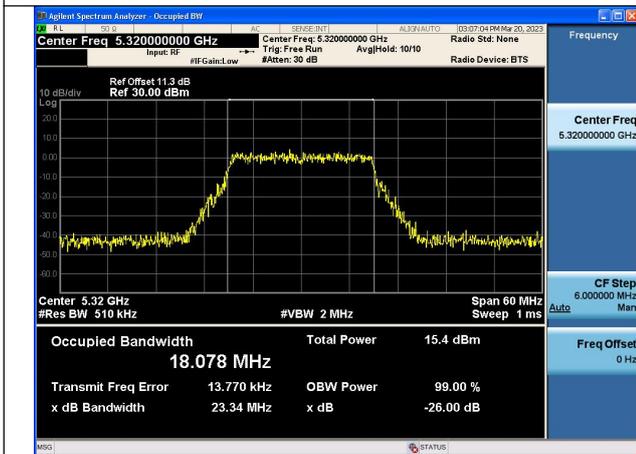
Test Mode:802.11n HT20 5320MHz Chain1

Test Mode: 802.11ac VHT20



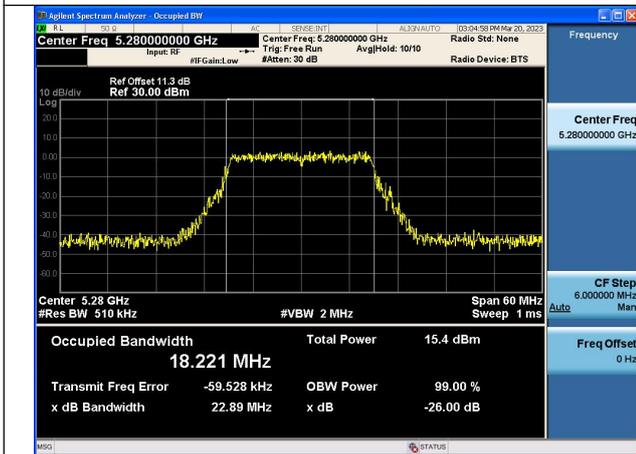
Test Mode:802.11ac VHT20 5260MHz Chain0

Test Mode:802.11ac VHT20 5280MHz Chain0



Test Mode:802.11ac VHT20 5320MHz Chain0

Test Mode:802.11ac VHT20 5260MHz Chain1



Test Mode:802.11ac VHT20 5280MHz Chain1

Test Mode:802.11ac VHT20 5320MHz Chain1