

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5260	99.56%	0	Fig.1
802.11a	5260	99.61%	0	Fig.2
802.11n HT20	5260	99.57%	0	Fig.3
802.11n HT20	5260	99.64%	0	Fig.4
802.11ac VHT20	5260	99.59%	0	Fig.5
802.11ac VHT20	5260	99.52%	0	Fig.6
802.11ax HE20	5260	99.14%	0	Fig.7
802.11ax HE20	5260	99.29%	0	Fig.8
802.11n HT40	5270	99.38%	0	Fig.9
802.11n HT40	5270	99.36%	0	Fig.10
802.11ac VHT40	5270	99.40%	0	Fig.11
802.11ac VHT40	5270	99.43%	0	Fig.12
802.11ax HE40	5270	98.83%	0	Fig.13
802.11ax HE40	5270	98.88%	0	Fig.14
802.11ac VHT80	5290	99.13%	0	Fig.15
802.11ac VHT80	5290	99.21%	0	Fig.16
802.11ax HE80	5290	99.27%	0	Fig.17
802.11ax HE80	5290	99.27%	0	Fig.18

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

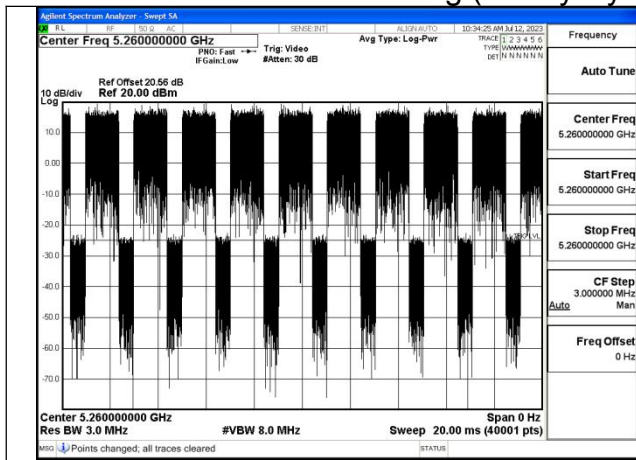


Fig.1

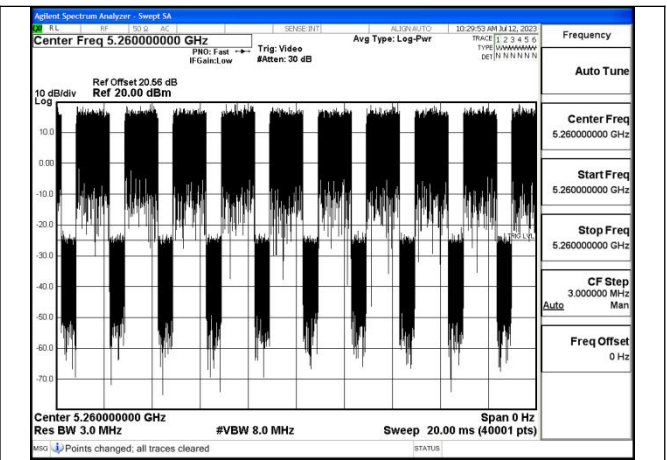


Fig.2

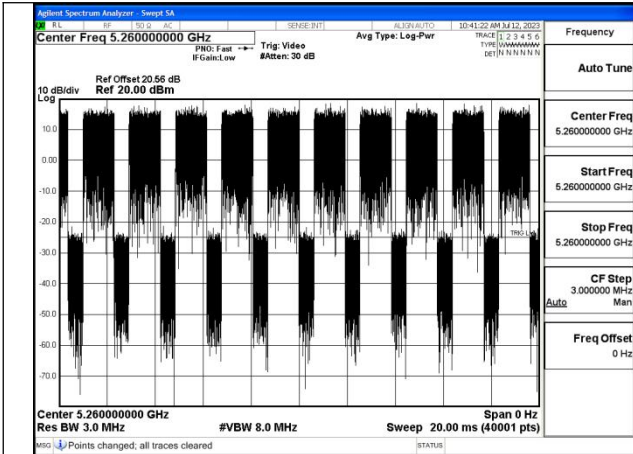


Fig.3

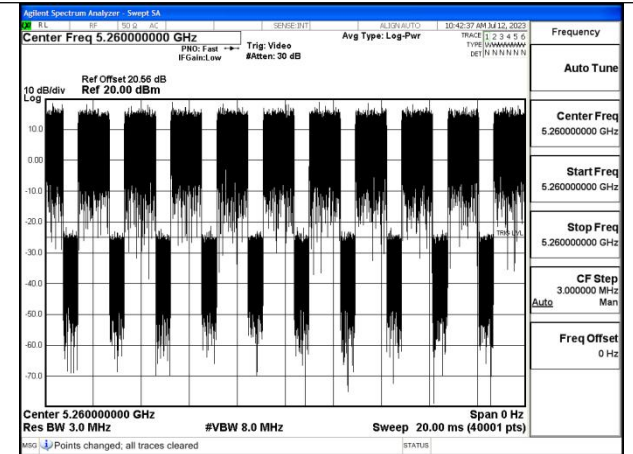


Fig.4

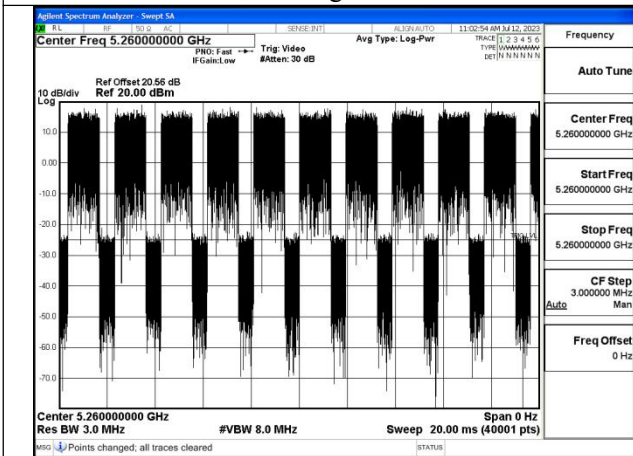


Fig.5

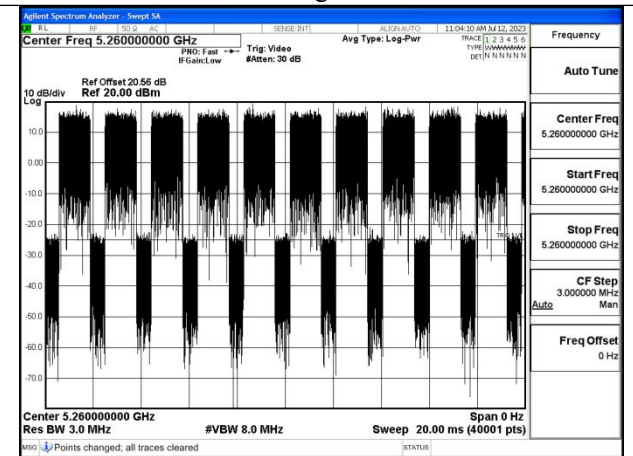


Fig.6

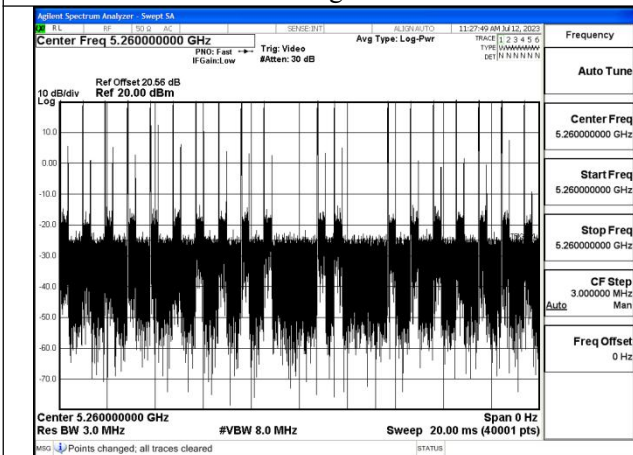


Fig.7

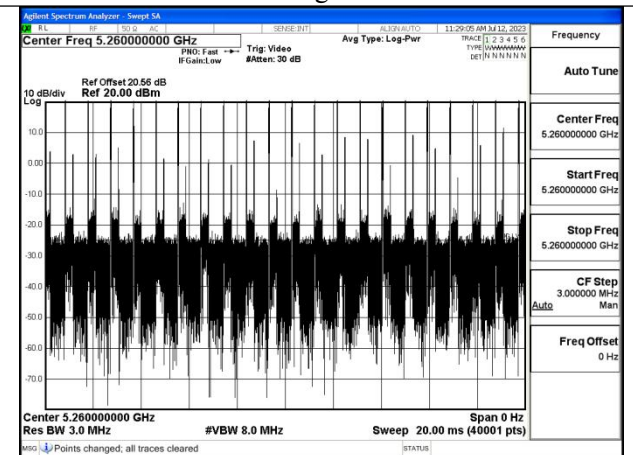


Fig.8

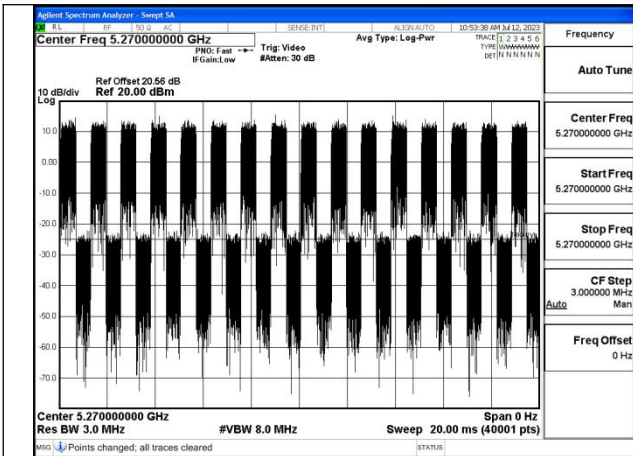


Fig.9

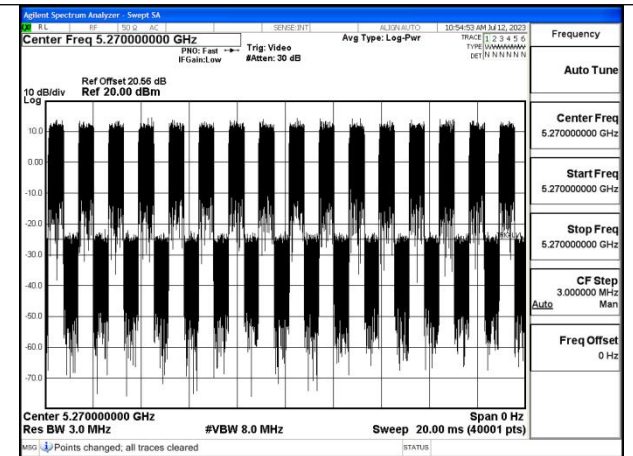


Fig.10

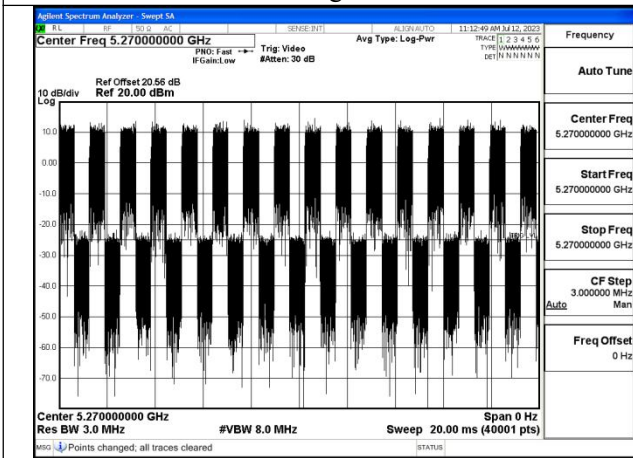


Fig.11

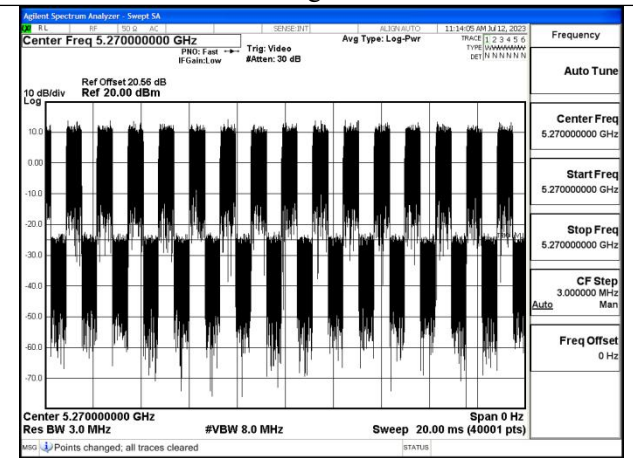


Fig.12

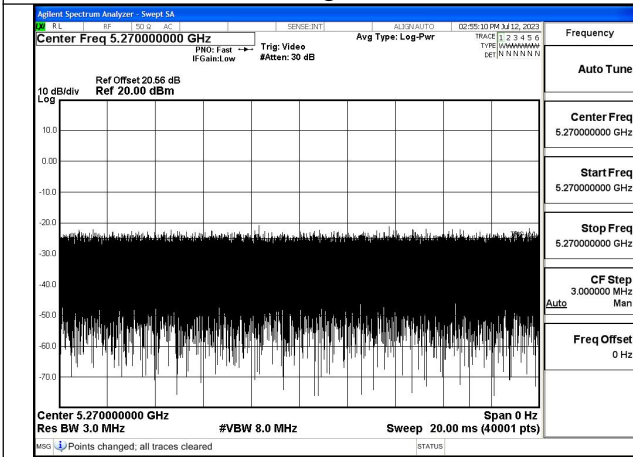


Fig.13

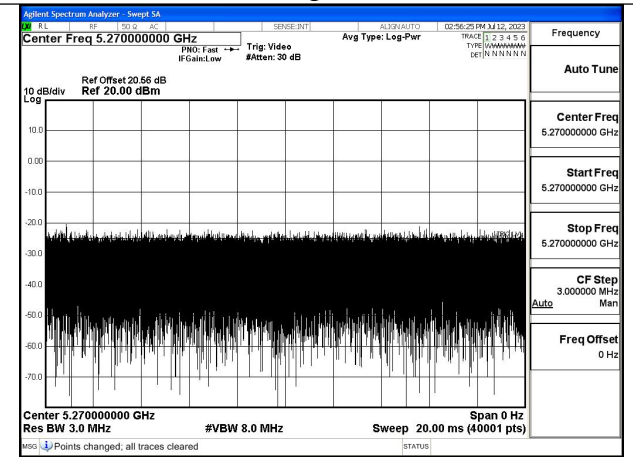


Fig.14

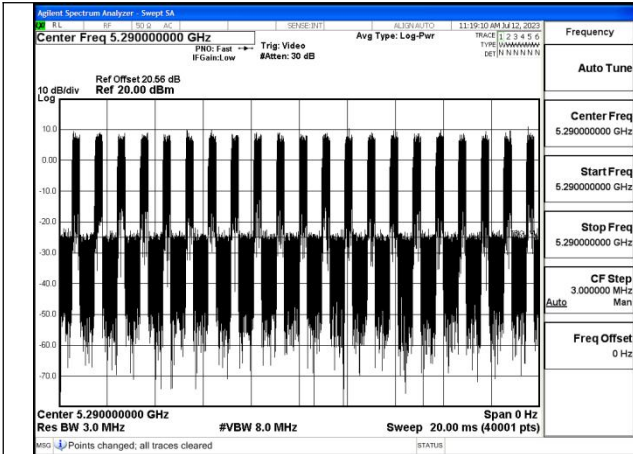


Fig.15

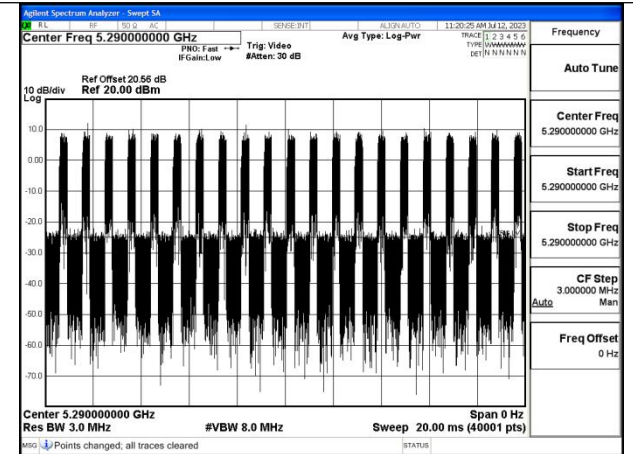


Fig.16

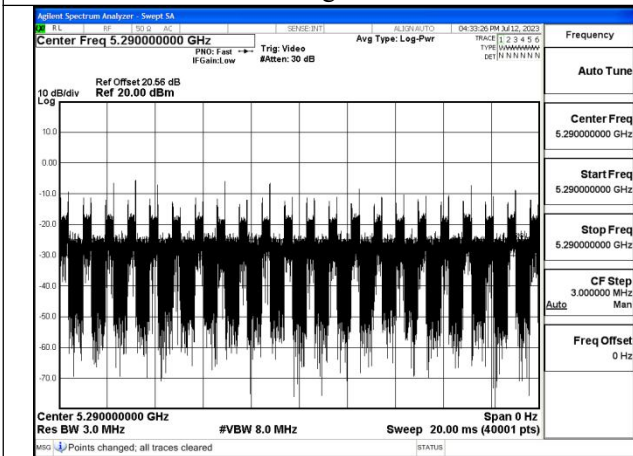


Fig.17

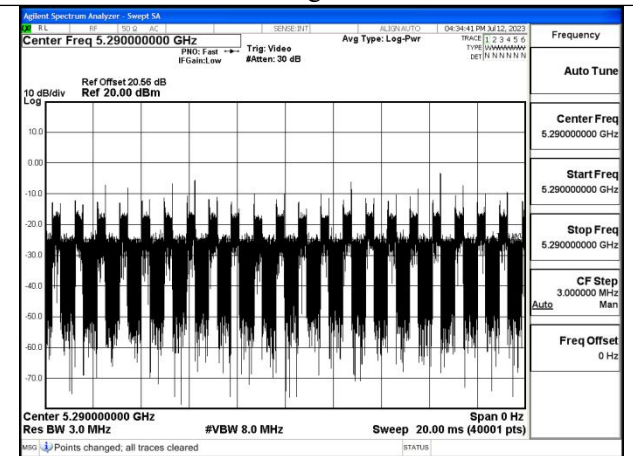


Fig.18

Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conductedaverage power output(dBm)	EIRP (dBm)
802.11a	NA	5260	Chain0	14.31	16.00
802.11a	NA	5260	Chain1	14.31	15.79
802.11a	NA	5280	Chain0	14.22	15.91
802.11a	NA	5280	Chain1	14.26	15.74
802.11a	NA	5320	Chain0	14.27	15.96
802.11a	NA	5320	Chain1	14.27	15.75
802.11n HT20	NA	5260	Chain0	13.38	15.07
802.11n HT20	NA	5260	Chain1	13.35	14.83
802.11n HT20	NA	5260	MIMO	16.38	17.97
802.11n HT20	NA	5280	Chain0	13.32	15.01
802.11n HT20	NA	5280	Chain1	13.31	14.79
802.11n HT20	NA	5280	MIMO	16.33	17.92
802.11n HT20	NA	5320	Chain0	13.35	15.04
802.11n HT20	NA	5320	Chain1	13.36	14.84
802.11n HT20	NA	5320	MIMO	16.37	17.96
802.11ac VHT20	NA	5260	Chain0	13.34	15.03
802.11ac VHT20	NA	5260	Chain1	13.37	14.85
802.11ac VHT20	NA	5260	MIMO	16.37	17.96
802.11ac VHT20	NA	5280	Chain0	13.35	15.04
802.11ac VHT20	NA	5280	Chain1	13.35	14.83
802.11ac VHT20	NA	5280	MIMO	16.36	17.95
802.11ac VHT20	NA	5320	Chain0	13.30	14.99
802.11ac VHT20	NA	5320	Chain1	13.34	14.82
802.11ac VHT20	NA	5320	MIMO	16.33	17.92
802.11n HT40	NA	5270	Chain0	11.84	13.53
802.11n HT40	NA	5270	Chain1	11.87	13.35
802.11n HT40	NA	5270	MIMO	14.87	16.46
802.11n HT40	NA	5310	Chain0	11.96	13.65
802.11n HT40	NA	5310	Chain1	11.94	13.42
802.11n HT40	NA	5310	MIMO	14.96	16.55
802.11ac VHT40	NA	5270	Chain0	11.06	12.75
802.11ac VHT40	NA	5270	Chain1	11.07	12.55
802.11ac VHT40	NA	5270	MIMO	14.08	15.67
802.11ac VHT40	NA	5310	Chain0	11.11	12.80
802.11ac VHT40	NA	5310	Chain1	11.13	12.61
802.11ac VHT40	NA	5310	MIMO	14.13	15.72
802.11ac VHT80	NA	5290	Chain0	9.03	10.72
802.11ac VHT80	NA	5290	Chain1	9.11	10.59
802.11ac VHT80	NA	5290	MIMO	12.08	13.67

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conductedaverage power output(dBm)	EIRP (dBm)
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802.11ax HE20	26T 0	5260	Chain0	7.19	8.88
802.11ax HE20	26T 0	5260	Chain1	6.88	8.36
802.11ax HE20	26T 0	5260	MIMO	10.05	11.64
802.11ax HE20	26T 0	5280	Chain0	6.90	8.59
802.11ax HE20	26T 0	5280	Chain1	6.98	8.46
802.11ax HE20	26T 0	5280	MIMO	9.95	11.54
802.11ax HE20	26T 0	5320	Chain0	7.34	9.03
802.11ax HE20	26T 0	5320	Chain1	7.36	8.84
802.11ax HE20	26T 0	5320	MIMO	10.36	11.95
802.11ax HE20	26T 4	5260	Chain0	7.21	8.9
802.11ax HE20	26T 4	5260	Chain1	6.92	8.33
802.11ax HE20	26T 4	5260	MIMO	10.08	11.63
802.11ax HE20	26T 4	5280	Chain0	6.92	8.61
802.11ax HE20	26T 4	5280	Chain1	6.91	8.32
802.11ax HE20	26T 4	5280	MIMO	9.93	11.48
802.11ax HE20	26T 4	5320	Chain0	7.31	9
802.11ax HE20	26T 4	5320	Chain1	7.39	8.8
802.11ax HE20	26T 4	5320	MIMO	10.36	11.91
802.11ax HE20	26T 8	5260	Chain0	7.14	8.83
802.11ax HE20	26T 8	5260	Chain1	6.97	8.38
802.11ax HE20	26T 8	5260	MIMO	10.07	11.62
802.11ax HE20	26T 8	5280	Chain0	6.86	8.55
802.11ax HE20	26T 8	5280	Chain1	7.03	8.44
802.11ax HE20	26T 8	5280	MIMO	9.96	11.51
802.11ax HE20	26T 8	5320	Chain0	7.24	8.93
802.11ax HE20	26T 8	5320	Chain1	7.28	8.69
802.11ax HE20	26T 8	5320	MIMO	10.27	11.82
802.11ax HE20	52T 37	5260	Chain0	7.19	8.88
802.11ax HE20	52T 37	5260	Chain1	7.15	8.63
802.11ax HE20	52T 37	5260	MIMO	10.18	11.77
802.11ax HE20	52T 37	5280	Chain0	7.15	8.84
802.11ax HE20	52T 37	5280	Chain1	7.12	8.60
802.11ax HE20	52T 37	5280	MIMO	10.15	11.74
802.11ax HE20	52T 37	5320	Chain0	7.50	9.19
802.11ax HE20	52T 37	5320	Chain1	7.46	8.94
802.11ax HE20	52T 37	5320	MIMO	10.49	12.08
802.11ax HE20	52T 39	5260	Chain0	7.22	8.91
802.11ax HE20	52T 39	5260	Chain1	7.11	8.52
802.11ax HE20	52T 39	5260	MIMO	10.18	11.73
802.11ax HE20	52T 39	5280	Chain0	7.18	8.87
802.11ax HE20	52T 39	5280	Chain1	7.07	8.48
802.11ax HE20	52T 39	5280	MIMO	10.14	11.69
802.11ax HE20	52T 39	5320	Chain0	7.54	9.23
802.11ax HE20	52T 39	5320	Chain1	7.43	8.84
802.11ax HE20	52T 39	5320	MIMO	10.50	12.05
802.11ax HE20	52T 40	5260	Chain0	7.19	8.88

802.11ax HE20	52T 40	5260	Chain1	7.13	8.54
802.11ax HE20	52T 40	5260	MIMO	10.17	11.72
802.11ax HE20	52T 40	5280	Chain0	7.13	8.82
802.11ax HE20	52T 40	5280	Chain1	7.01	8.42
802.11ax HE20	52T 40	5280	MIMO	10.08	11.63
802.11ax HE20	52T 40	5320	Chain0	7.51	9.2
802.11ax HE20	52T 40	5320	Chain1	7.49	8.9
802.11ax HE20	52T 40	5320	MIMO	10.51	12.06
802.11ax HE20	106T 53	5260	Chain0	9.85	11.54
802.11ax HE20	106T 53	5260	Chain1	9.87	11.35
802.11ax HE20	106T 53	5260	MIMO	12.87	14.46
802.11ax HE20	106T 53	5280	Chain0	9.82	11.51
802.11ax HE20	106T 53	5280	Chain1	9.83	11.31
802.11ax HE20	106T 53	5280	MIMO	12.84	14.43
802.11ax HE20	106T 53	5320	Chain0	10.27	11.96
802.11ax HE20	106T 53	5320	Chain1	10.37	11.85
802.11ax HE20	106T 53	5320	MIMO	13.33	14.92
802.11ax HE20	106T 54	5260	Chain0	9.93	11.62
802.11ax HE20	106T 54	5260	Chain1	9.81	11.22
802.11ax HE20	106T 54	5260	MIMO	12.88	14.43
802.11ax HE20	106T 54	5280	Chain0	9.79	11.48
802.11ax HE20	106T 54	5280	Chain1	9.74	11.15
802.11ax HE20	106T 54	5280	MIMO	12.78	14.33
802.11ax HE20	106T 54	5320	Chain0	10.16	11.85
802.11ax HE20	106T 54	5320	Chain1	10.39	11.8
802.11ax HE20	106T 54	5320	MIMO	13.29	14.84
802.11ax HE20	242T 61	5260	Chain0	9.56	11.25
802.11ax HE20	242T 61	5260	Chain1	9.54	11.02
802.11ax HE20	242T 61	5260	MIMO	12.56	14.15
802.11ax HE20	242T 61	5280	Chain0	9.47	11.16
802.11ax HE20	242T 61	5280	Chain1	9.49	10.97
802.11ax HE20	242T 61	5280	MIMO	12.49	14.08
802.11ax HE20	242T 61	5320	Chain0	9.96	11.65
802.11ax HE20	242T 61	5320	Chain1	6.22	7.70
802.11ax HE20	242T 61	5320	MIMO	11.49	13.08
802.11ax HE40	26T 0	5270	Chain0	7.75	9.44
802.11ax HE40	26T 0	5270	Chain1	7.76	9.24
802.11ax HE40	26T 0	5270	MIMO	10.77	12.36
802.11ax HE40	26T 0	5310	Chain0	7.52	9.21
802.11ax HE40	26T 0	5310	Chain1	7.44	8.92
802.11ax HE40	26T 0	5310	MIMO	10.49	12.08
802.11ax HE40	26T 10	5270	Chain0	7.68	9.37
802.11ax HE40	26T 10	5270	Chain1	7.79	9.2
802.11ax HE40	26T 10	5270	MIMO	10.75	12.30
802.11ax HE40	26T 10	5310	Chain0	7.58	9.27
802.11ax HE40	26T 10	5310	Chain1	7.41	8.82

802.11ax HE40	26T 10	5310	MIMO	10.51	12.06
802.11ax HE40	26T 17	5270	Chain0	7.72	9.41
802.11ax HE40	26T 17	5270	Chain1	7.74	9.15
802.11ax HE40	26T 17	5270	MIMO	10.74	12.29
802.11ax HE40	26T 17	5310	Chain0	7.54	9.23
802.11ax HE40	26T 17	5310	Chain1	7.49	8.9
802.11ax HE40	26T 17	5310	MIMO	10.53	12.08
802.11ax HE40	52T 37	5270	Chain0	10.76	12.45
802.11ax HE40	52T 37	5270	Chain1	10.79	12.27
802.11ax HE40	52T 37	5270	MIMO	13.79	15.38
802.11ax HE40	52T 37	5310	Chain0	10.95	12.64
802.11ax HE40	52T 37	5310	Chain1	10.82	12.30
802.11ax HE40	52T 37	5310	MIMO	13.90	15.49
802.11ax HE40	52T 41	5270	Chain0	10.72	12.41
802.11ax HE40	52T 41	5270	Chain1	10.71	12.12
802.11ax HE40	52T 41	5270	MIMO	13.73	15.28
802.11ax HE40	52T 41	5310	Chain0	11.12	12.81
802.11ax HE40	52T 41	5310	Chain1	10.81	12.22
802.11ax HE40	52T 41	5310	MIMO	13.98	15.54
802.11ax HE40	52T 44	5270	Chain0	10.84	12.53
802.11ax HE40	52T 44	5270	Chain1	10.73	12.14
802.11ax HE40	52T 44	5270	MIMO	13.80	15.35
802.11ax HE40	52T 44	5310	Chain0	10.94	12.63
802.11ax HE40	52T 44	5310	Chain1	10.86	12.27
802.11ax HE40	52T 44	5310	MIMO	13.91	15.46
802.11ax HE40	106T 53	5270	Chain0	10.66	12.35
802.11ax HE40	106T 53	5270	Chain1	10.67	12.15
802.11ax HE40	106T 53	5270	MIMO	13.68	15.27
802.11ax HE40	106T 53	5310	Chain0	10.64	12.33
802.11ax HE40	106T 53	5310	Chain1	10.59	12.07
802.11ax HE40	106T 53	5310	MIMO	13.63	15.22
802.11ax HE40	106T 55	5270	Chain0	10.62	12.31
802.11ax HE40	106T 55	5270	Chain1	10.61	12.02
802.11ax HE40	106T 55	5270	MIMO	13.63	15.18
802.11ax HE40	106T 55	5310	Chain0	10.72	12.41
802.11ax HE40	106T 55	5310	Chain1	10.63	12.04
802.11ax HE40	106T 55	5310	MIMO	13.69	15.24
802.11ax HE40	106T 56	5270	Chain0	10.68	12.37
802.11ax HE40	106T 56	5270	Chain1	10.64	12.05
802.11ax HE40	106T 56	5270	MIMO	13.67	15.22
802.11ax HE40	106T 56	5310	Chain0	10.77	12.46
802.11ax HE40	106T 56	5310	Chain1	10.52	11.93
802.11ax HE40	106T 56	5310	MIMO	13.66	15.21
802.11ax HE40	242T 61	5270	Chain0	10.26	11.95
802.11ax HE40	242T 61	5270	Chain1	10.27	11.75
802.11ax HE40	242T 61	5270	MIMO	13.28	14.87

802.11ax HE40	242T 61	5310	Chain0	10.37	12.06
802.11ax HE40	242T 61	5310	Chain1	10.37	11.85
802.11ax HE40	242T 61	5310	MIMO	13.38	14.97
802.11ax HE40	242T 62	5270	Chain0	10.29	11.98
802.11ax HE40	242T 62	5270	Chain1	10.22	11.63
802.11ax HE40	242T 62	5270	MIMO	13.27	14.82
802.11ax HE40	242T 62	5310	Chain0	10.41	12.1
802.11ax HE40	242T 62	5310	Chain1	10.42	11.83
802.11ax HE40	242T 62	5310	MIMO	13.43	14.98
802.11ax HE40	484T 65	5270	Chain0	9.92	11.61
802.11ax HE40	484T 65	5270	Chain1	9.87	11.35
802.11ax HE40	484T 65	5270	MIMO	12.91	14.50
802.11ax HE40	484T 65	5310	Chain0	9.95	11.64
802.11ax HE40	484T 65	5310	Chain1	9.96	11.44
802.11ax HE40	484T 65	5310	MIMO	12.97	14.56
802.11ax HE80	26T 0	5290	Chain0	7.41	9.10
802.11ax HE80	26T 0	5290	Chain1	7.57	9.05
802.11ax HE80	26T 0	5290	MIMO	10.50	12.09
802.11ax HE80	26T 18	5290	Chain0	7.42	9.11
802.11ax HE80	26T 18	5290	Chain1	7.59	9.00
802.11ax HE80	26T 18	5290	MIMO	10.52	12.07
802.11ax HE80	26T 36	5290	Chain0	7.45	9.14
802.11ax HE80	26T 36	5290	Chain1	7.52	8.93
802.11ax HE80	26T 36	5290	MIMO	10.50	12.05
802.11ax HE80	52T 37	5290	Chain0	8.28	9.97
802.11ax HE80	52T 37	5290	Chain1	8.26	9.74
802.11ax HE80	52T 37	5290	MIMO	11.28	12.87
802.11ax HE80	52T 45	5290	Chain0	8.32	10.01
802.11ax HE80	52T 45	5290	Chain1	8.27	9.68
802.11ax HE80	52T 45	5290	MIMO	11.31	12.86
802.11ax HE80	52T 52	5290	Chain0	8.22	9.91
802.11ax HE80	52T 52	5290	Chain1	8.25	9.66
802.11ax HE80	52T 52	5290	MIMO	11.25	12.80
802.11ax HE80	106T 53	5290	Chain0	9.07	10.76
802.11ax HE80	106T 53	5290	Chain1	8.98	10.46
802.11ax HE80	106T 53	5290	MIMO	12.04	13.63
802.11ax HE80	106T 57	5290	Chain0	9.01	10.70
802.11ax HE80	106T 57	5290	Chain1	9.09	10.50
802.11ax HE80	106T 57	5290	MIMO	12.06	13.61
802.11ax HE80	106T 60	5290	Chain0	9.14	10.83
802.11ax HE80	106T 60	5290	Chain1	9.02	10.43
802.11ax HE80	106T 60	5290	MIMO	12.09	13.64
802.11ax HE80	242T 61	5290	Chain0	5.96	7.65
802.11ax HE80	242T 61	5290	Chain1	6.02	7.50
802.11ax HE80	242T 61	5290	MIMO	9.00	10.59
802.11ax HE80	242T 63	5290	Chain0	6.12	7.81

802.11ax HE80	242T 63	5290	Chain1	6.07	7.48
802.11ax HE80	242T 63	5290	MIMO	9.11	10.66
802.11ax HE80	242T 64	5290	Chain0	6.06	7.75
802.11ax HE80	242T 64	5290	Chain1	6.15	7.56
802.11ax HE80	242T 64	5290	MIMO	9.12	10.67
802.11ax HE80	484T 65	5290	Chain0	7.90	9.59
802.11ax HE80	484T 65	5290	Chain1	7.83	9.31
802.11ax HE80	484T 65	5290	MIMO	10.88	12.47
802.11ax HE80	484T 66	5290	Chain0	7.93	9.62
802.11ax HE80	484T 66	5290	Chain1	7.87	9.28
802.11ax HE80	484T 66	5290	MIMO	10.91	12.46
802.11ax HE80	996T 67	5290	Chain0	9.58	11.27
802.11ax HE80	996T 67	5290	Chain1	9.48	10.96
802.11ax HE80	996T 67	5290	MIMO	12.54	14.13

Emission Bandwidth

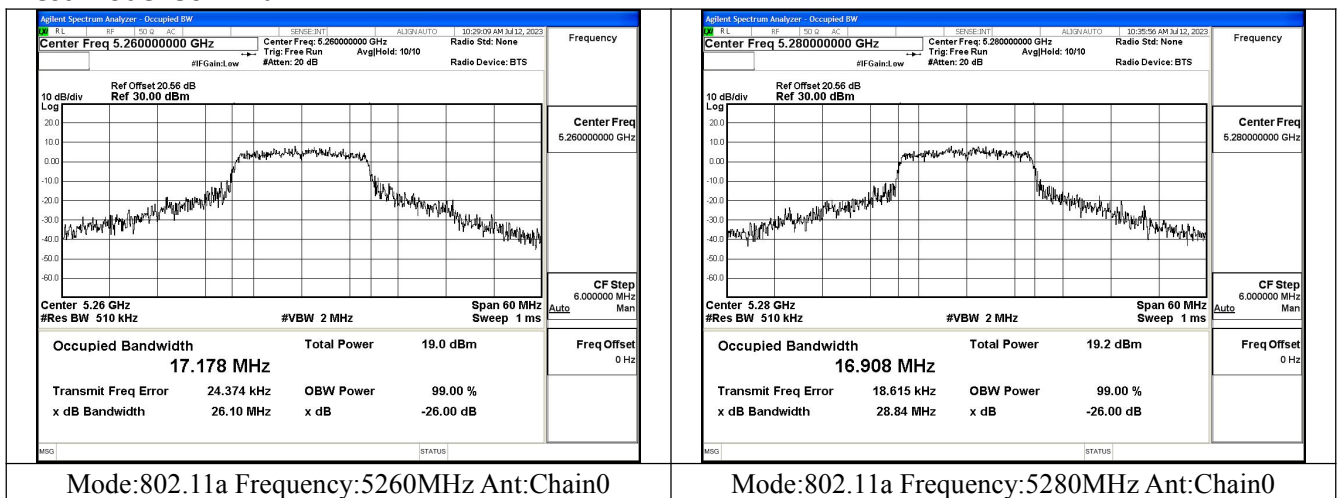
Offset 20.56dB = Attenuator + Temporary antenna connector loss + Cable loss

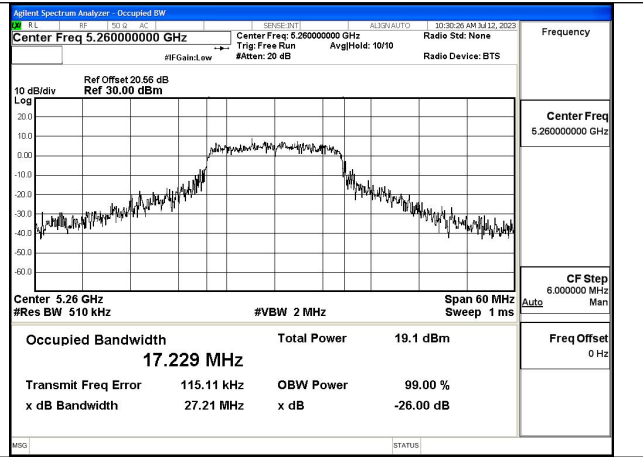
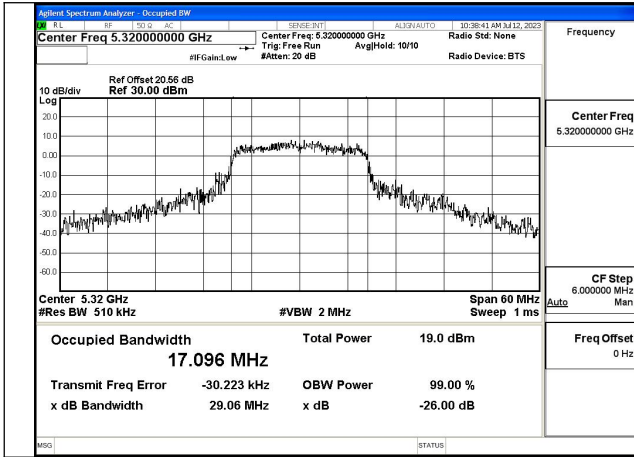
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	26.10	28.84	29.06
802.11a	Chain1	27.21	29.75	26.60
802.11n HT20	Chain0	27.01	28.37	26.52
802.11n HT20	Chain1	29.53	28.84	27.51
802.11ac VHT20	Chain0	28.77	25.61	24.87
802.11ac VHT20	Chain1	29.07	25.29	25.07
802.11ax HE20	Chain0	21.23	21.11	23.27
802.11ax HE20	Chain1	21.89	20.45	20.79

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5270MHz	---	5310MHz
802.11n HT40	Chain0	47.34	---	39.35
802.11n HT40	Chain1	39.90	---	46.19
802.11ac VHT40	Chain0	45.98	---	39.90
802.11ac VHT40	Chain1	39.83	---	44.83
802.11ax HE40	Chain0	40.03	---	40.00
802.11ax HE40	Chain1	39.97	---	40.02

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5290MHz	---	---
802.11ac VHT80	Chain0	80.47	---	---
802.11ac VHT80	Chain1	80.40	---	---
802.11ax HE80	Chain0	80.89	---	---
802.11ax HE80	Chain1	81.65	---	---

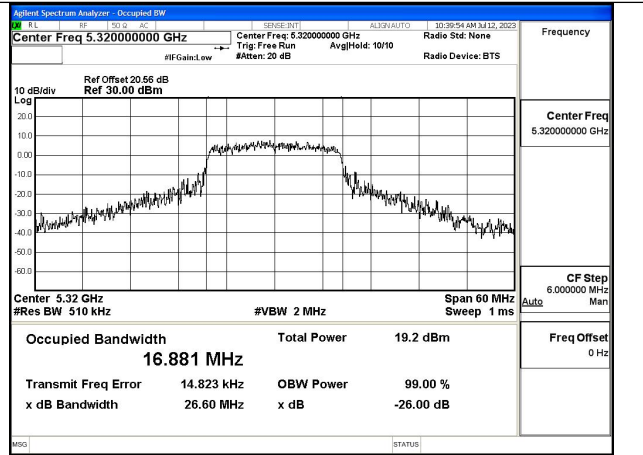
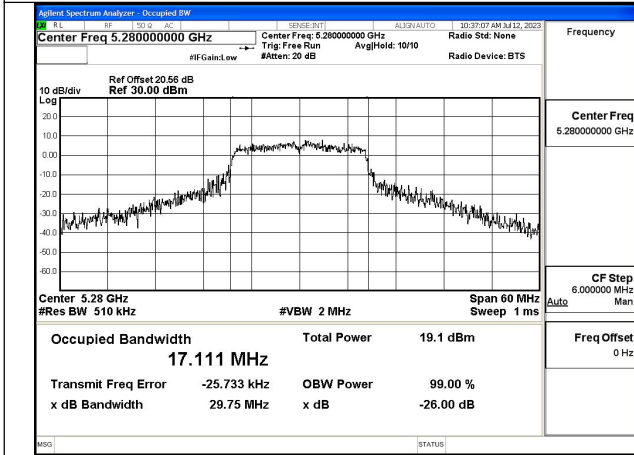
Test Mode: 802.11a





Mode:802.11a Frequency:5320MHz Ant:Chain0

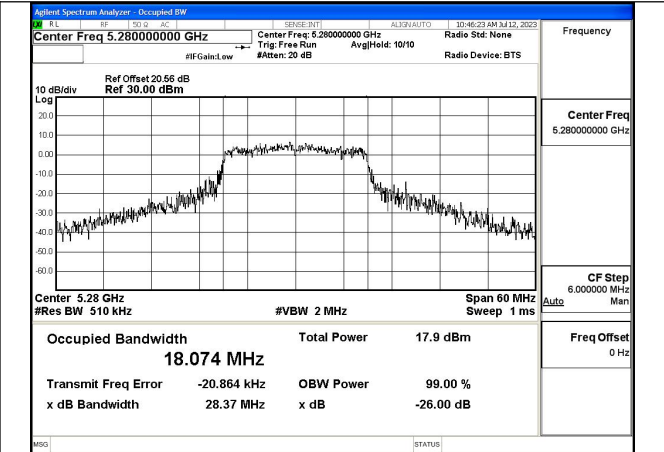
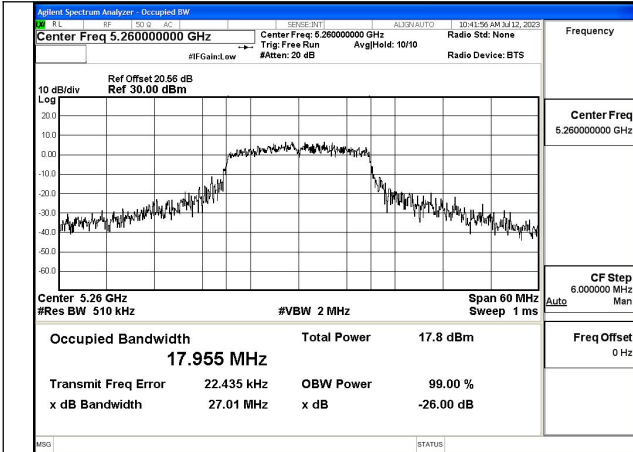
Mode:802.11a Frequency:5260MHz Ant:Chain1



Mode:802.11a Frequency:5280MHz Ant:Chain1

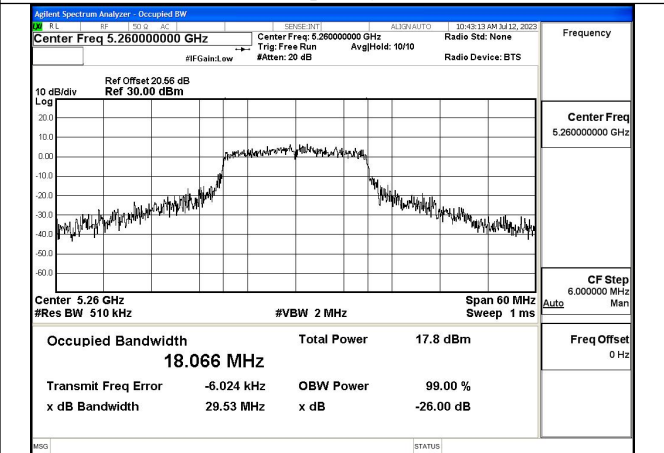
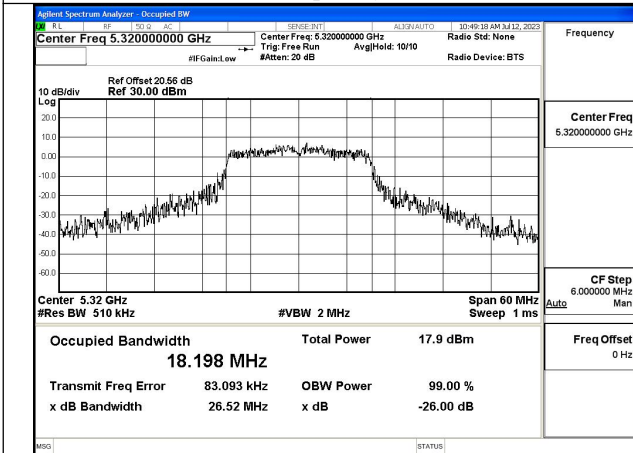
Mode:802.11a Frequency:5320MHz Ant:Chain1

Test Mode: 802.11n HT20



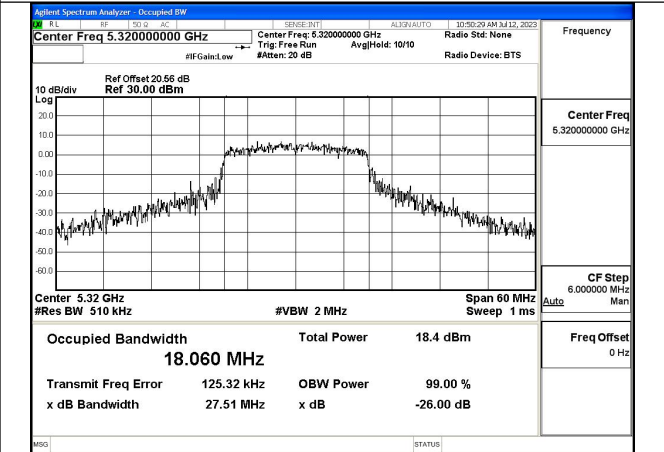
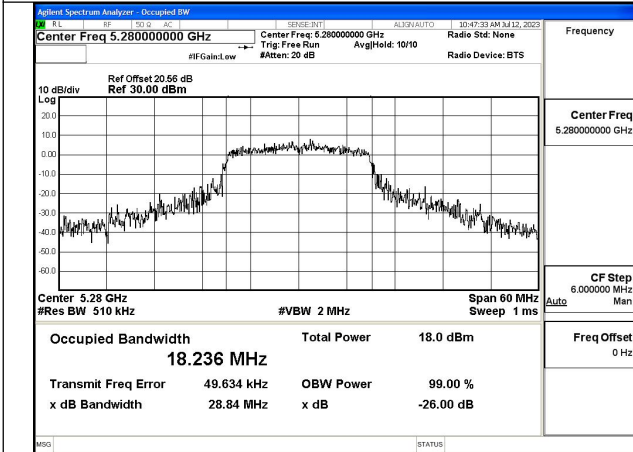
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5280MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5320MHz Ant:Chain0

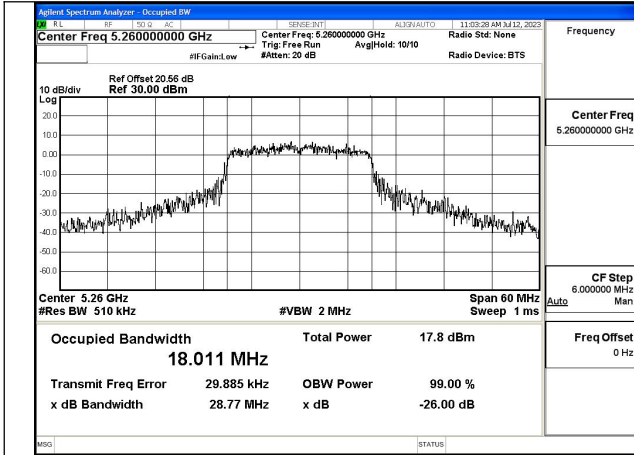
Mode:802.11n HT20 Frequency:5260MHz Ant:Chain1



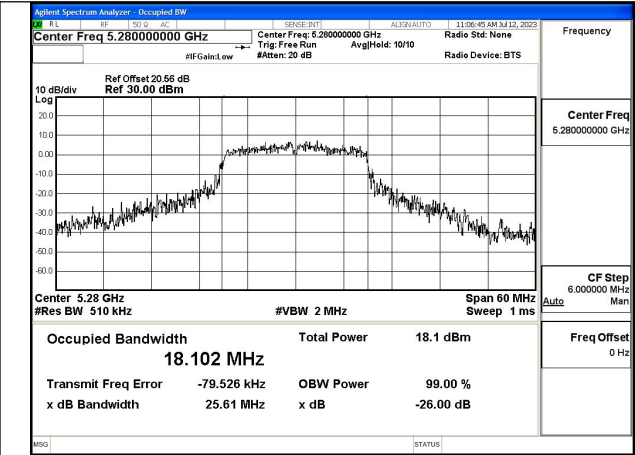
Mode:802.11n HT20 Frequency:5280MHz Ant:Chain1

Mode:802.11n HT20 Frequency:5320MHz Ant:Chain1

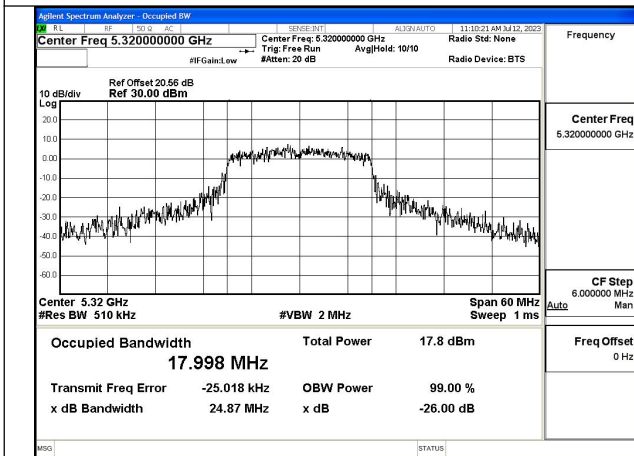
Test Mode: 802.11ac VHT20



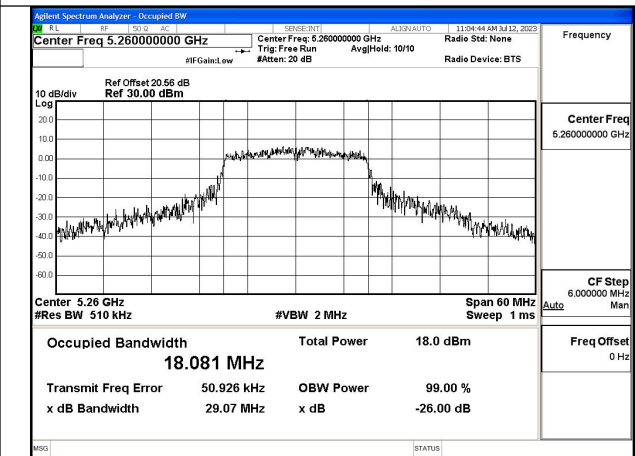
Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain0



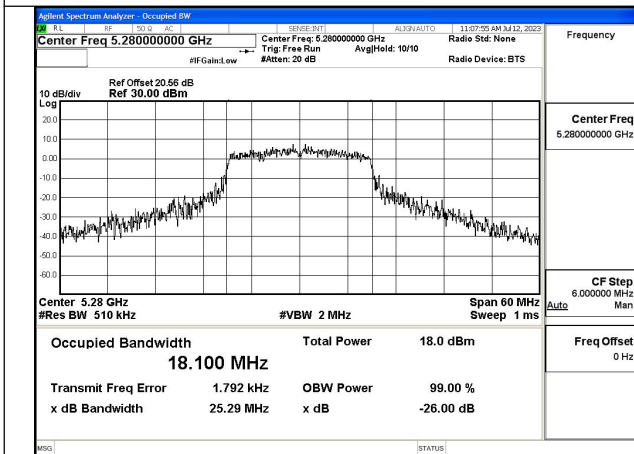
Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain0



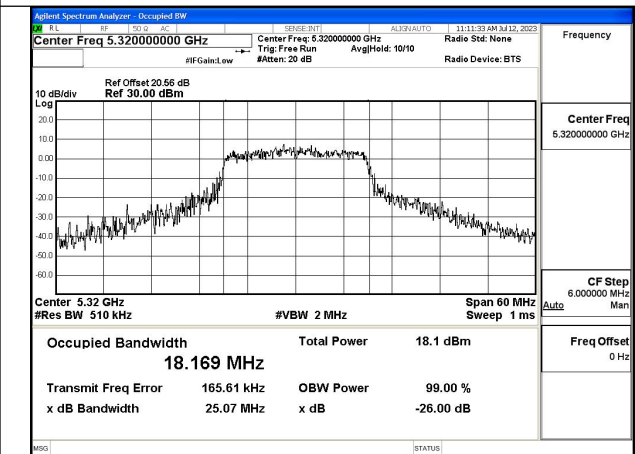
Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain1

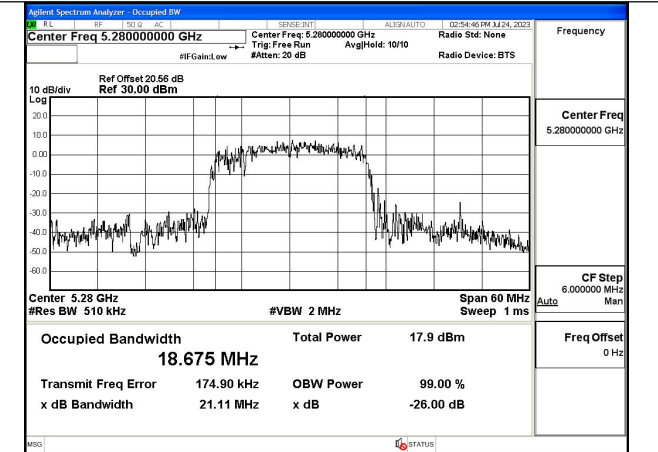
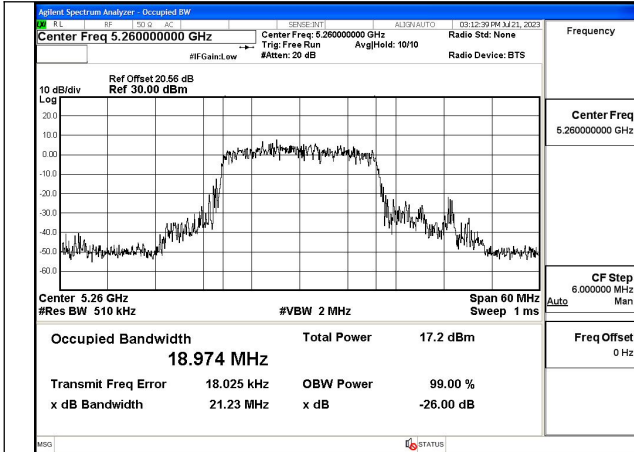


Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain1



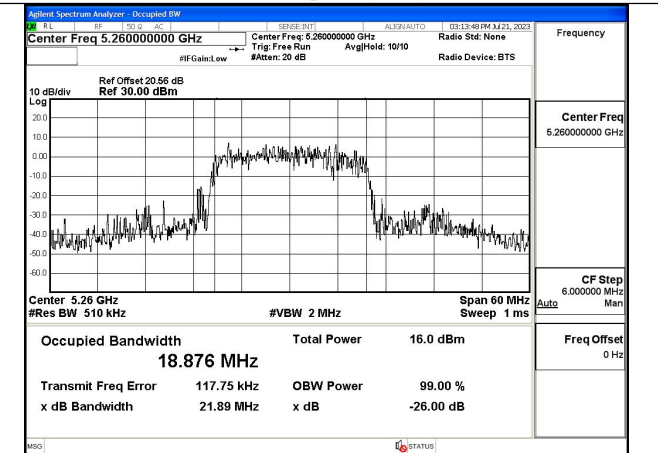
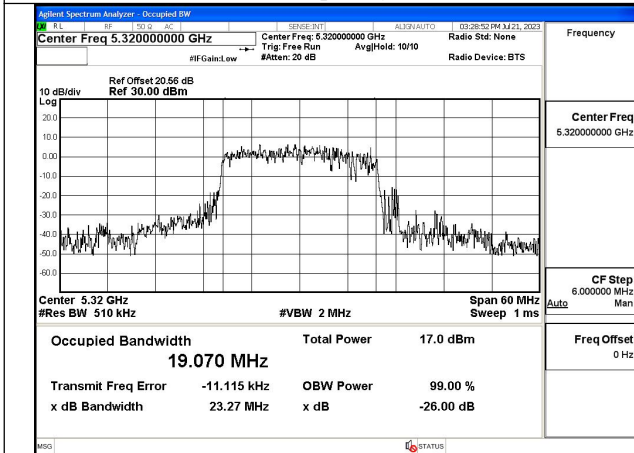
Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain1

Test Mode: 802.11ax HE20



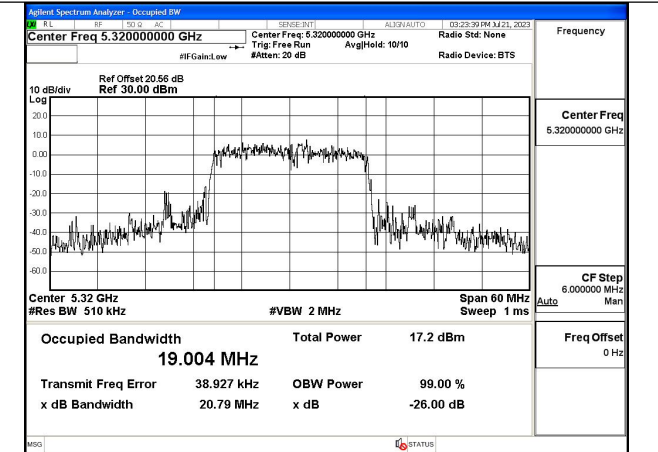
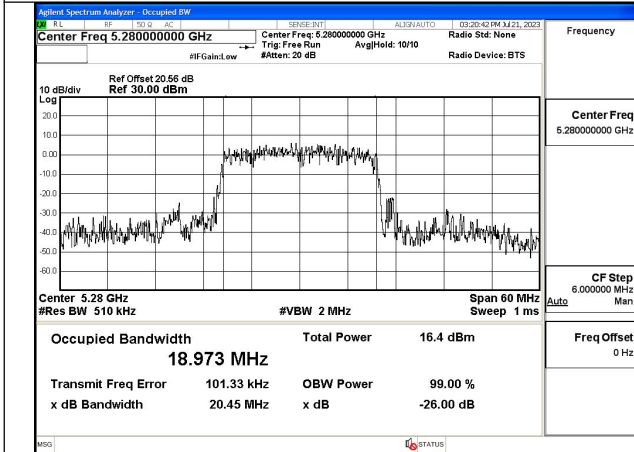
Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain0

Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain0

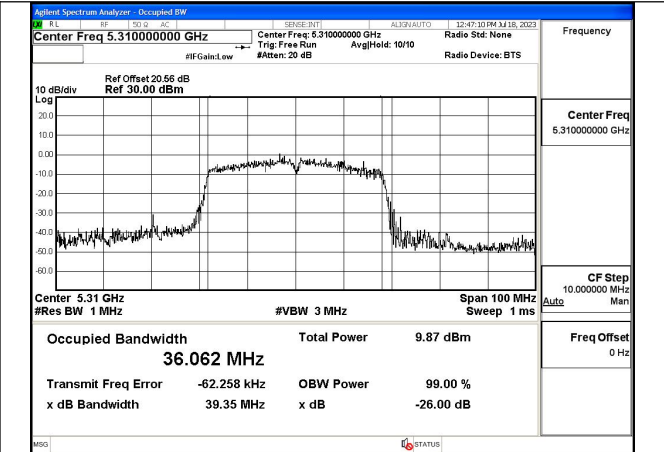
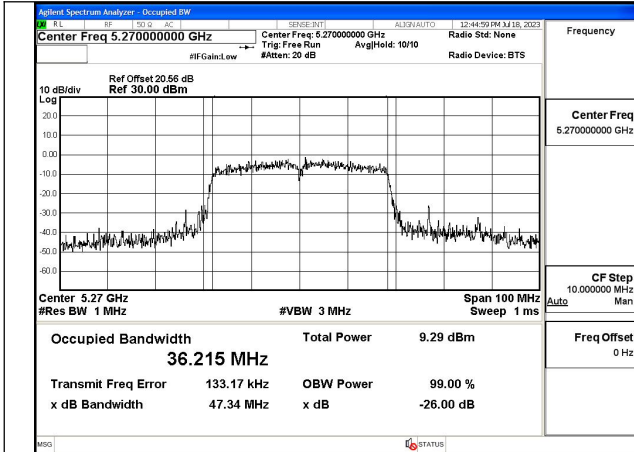
Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain1

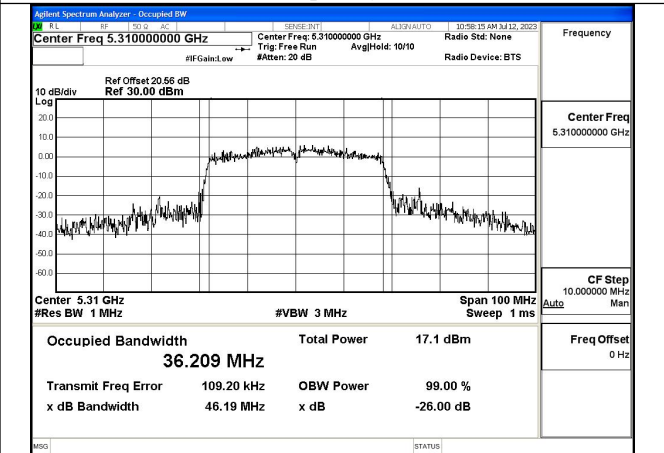
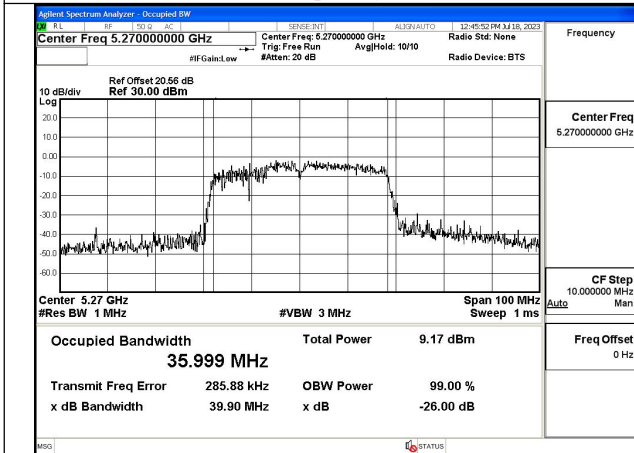
Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain0

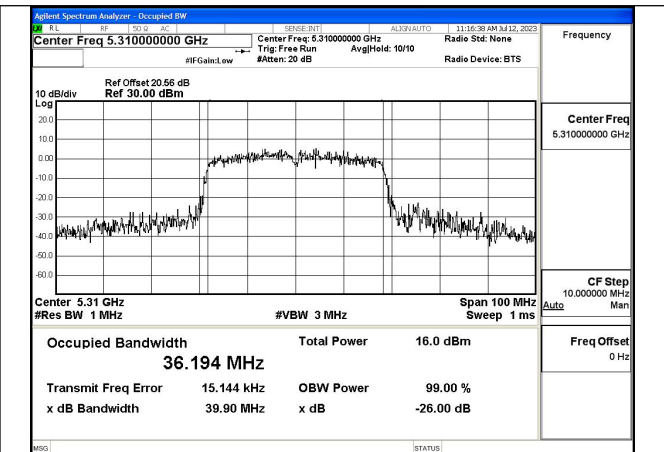
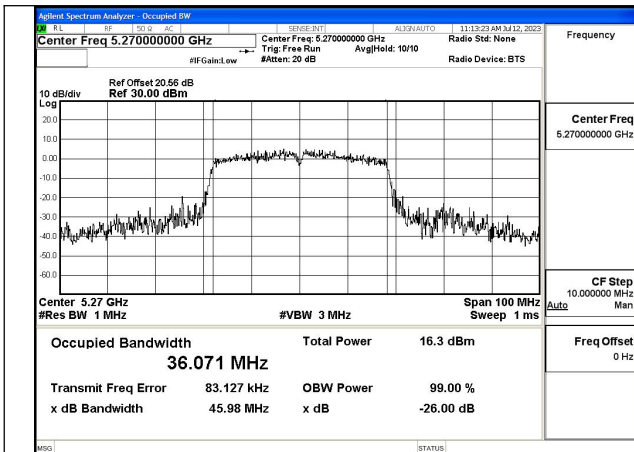
Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain1

Mode:802.11n HT40 Frequency:5310MHz Ant:Chain1

Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5270MHz
Ant:Chain0

Mode:802.11ac VHT40 Frequency:5310MHz
Ant:Chain0