

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5180	98.79%	0.05
802. 11n HT20	5180	99.52%	0.02
802. 11n HT40	5190	99.45%	0.02
802. 11ac VHT20	5180	99.46%	0.02
802. 11ac VHT40	5190	99.53%	0.02
802. 11ac VHT80	5210	99.54%	0.02
802. 11ac VHT160	5250	99.52%	0.02
802. 11ax HE20	5180	99.47%	0.02
802. 11ax HE40	5190	99.53%	0.02
802. 11ax HE80	5210	99.45%	0.02
802. 11ax HE160	5250	99.56%	0.02

Output Power NII1

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Ant7	11.31	8.31
			Ant8	11.38	8.98
		5220	Ant7	11.09	8.09
			Ant8	11.26	8.86
		5240	Ant7	10.91	7.91
			Ant8	11.27	8.87
802.11n20M		5180	Ant7	11.00	8.00
			Ant8	11.19	8.79
			Ant7+Ant8	14.11	11.42
		5220	Ant7	11.05	8.05
			Ant8	11.23	8.83
			Ant7+Ant8	14.15	11.47
		5240	Ant7	10.96	7.96
			Ant8	11.07	8.67
			Ant7+Ant8	14.03	11.34
802.11n40M		5190	Ant7	11.09	8.09
			Ant8	11.28	8.88
			Ant7+Ant8	14.20	11.51
		5230	Ant7	10.99	7.99
			Ant8	11.22	8.82
			Ant7+Ant8	14.12	11.44
802.11ac20M		5180	Ant7	11.14	8.14
			Ant8	11.13	8.73
			Ant7+Ant8	14.15	11.46
		5220	Ant7	10.98	7.98
			Ant8	11.07	8.67
			Ant7+Ant8	14.04	11.35
		5240	Ant7	10.81	7.81
			Ant8	11.05	8.65
			Ant7+Ant8	13.94	11.26
802.11ac40M		5190	Ant7	11.01	8.01
			Ant8	11.35	8.95
			Ant7+Ant8	14.19	11.52
		5230	Ant7	10.94	7.94

			Ant8	11.34	8.94
			Ant7+Ant8	14.15	11.48
802.11ac80M		5210	Ant7	10.86	7.86
			Ant8	11.21	8.81
			Ant7+Ant8	14.05	11.37
802.11ac160M		5250	Ant7	11.45	8.45
			Ant8	11.38	8.98
			Ant7+Ant8	14.43	11.73

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11ax20M	26T/0	5180	Ant7	6.98	3.98
			Ant8	6.54	4.14
			Ant7+Ant8	9.78	7.07
		5220	Ant7	7.39	4.39
			Ant8	6.28	3.88
			Ant7+Ant8	9.88	7.15
		5240	Ant7	7.25	4.25
			Ant8	6.27	3.87
			Ant7+Ant8	9.80	7.07
	26T/4	5180	Ant7	6.65	3.65
			Ant8	6.70	4.3
			Ant7+Ant8	9.69	7.00
		5220	Ant7	6.97	3.97
			Ant8	6.85	4.45
			Ant7+Ant8	9.92	7.23
		5240	Ant7	6.79	3.79
			Ant8	6.81	4.41
			Ant7+Ant8	9.81	7.12
	26T/8	5180	Ant7	7.01	4.01
			Ant8	7.10	4.7
			Ant7+Ant8	10.07	7.38
		5220	Ant7	7.37	4.37
			Ant8	7.19	4.79
			Ant7+Ant8	10.29	7.60
		5240	Ant7	7.18	4.18
			Ant8	7.18	4.78
			Ant7+Ant8	10.19	7.50
	52T/37	5180	Ant7	6.92	3.92
			Ant8	7.05	4.65
			Ant7+Ant8	10.00	7.31
		5220	Ant7	7.14	4.14
			Ant8	7.08	4.68
			Ant7+Ant8	10.12	7.43
		5240	Ant7	7.11	4.11
			Ant8	7.11	4.71
			Ant7+Ant8	10.12	7.43

	52T/39	5180	Ant7	6.62	3.62
			Ant8	6.74	4.34
			Ant7+Ant8	9.69	7.01
		5220	Ant7	7.05	4.05
			Ant8	6.86	4.46
			Ant7+Ant8	9.97	7.27
		5240	Ant7	6.85	3.85
			Ant8	6.79	4.39
			Ant7+Ant8	9.83	7.14
	52T/40	5180	Ant7	6.93	3.93
			Ant8	6.89	4.49
			Ant7+Ant8	9.92	7.23
		5220	Ant7	7.18	4.18
			Ant8	6.13	3.73
			Ant7+Ant8	9.70	6.97
		5240	Ant7	7.08	4.08
			Ant8	6.93	4.53
			Ant7+Ant8	10.02	7.32
	106T/53	5180	Ant7	6.94	3.94
			Ant8	6.12	3.72
			Ant7+Ant8	9.56	6.84
		5220	Ant7	7.22	4.22
			Ant8	6.26	3.86
			Ant7+Ant8	9.78	7.05
		5240	Ant7	7.09	4.09
			Ant8	6.15	3.75
			Ant7+Ant8	9.66	6.93
	106T/54	5180	Ant7	7.04	4.04
			Ant8	6.09	3.69
			Ant7+Ant8	9.60	6.88
		5220	Ant7	7.19	4.19
			Ant8	6.22	3.82
			Ant7+Ant8	9.74	7.02
		5240	Ant7	7.05	4.05
			Ant8	6.16	3.76
			Ant7+Ant8	9.64	6.92
	242T/61	5180	Ant7	11.59	8.59
			Ant8	11.55	9.15
			Ant7+Ant8	14.58	11.89

		5220	Ant7	11.59	8.59
			Ant8	11.59	9.19
			Ant7+Ant8	14.60	11.91
		5240	Ant7	11.43	8.43
			Ant8	11.56	9.16
			Ant7+Ant8	14.51	11.82

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11ax40M	26T/0	5190	Ant7	7.34	4.34
			Ant8	6.46	4.06
			Ant7+Ant8	9.93	7.21
		5230	Ant7	7.59	4.59
			Ant8	6.76	4.36
			Ant7+Ant8	10.21	7.49
	26T/10	5190	Ant7	7.27	4.27
			Ant8	6.36	3.96
			Ant7+Ant8	9.85	7.13
		5230	Ant7	7.43	4.43
			Ant8	6.49	4.09
			Ant7+Ant8	10.00	7.27
	26T/17	5190	Ant7	7.4	4.4
			Ant8	6.50	4.1
			Ant7+Ant8	9.98	7.26
		5230	Ant7	7.53	4.53
			Ant8	6.61	4.21
			Ant7+Ant8	10.10	7.38
	52T/37	5190	Ant7	7.33	4.33
			Ant8	6.68	4.28
			Ant7+Ant8	10.03	7.32
		5230	Ant7	7.78	4.78
			Ant8	6.84	4.44
			Ant7+Ant8	10.35	7.62
	52T/41	5190	Ant7	7.33	4.33
			Ant8	6.29	3.89
			Ant7+Ant8	9.85	7.13
		5230	Ant7	7.54	4.54
			Ant8	6.61	4.21
			Ant7+Ant8	10.11	7.39

	52T/44	5190	Ant7	7.55	4.55
			Ant8	6.52	4.12
			Ant7+Ant8	10.08	7.35
		5230	Ant7	7.65	4.65
			Ant8	6.73	4.33
			Ant7+Ant8	10.22	7.50
	106T/53	5190	Ant7	7.5	4.5
			Ant8	6.73	4.33
			Ant7+Ant8	10.14	7.43
		5230	Ant7	7.69	4.69
			Ant8	6.74	4.34
			Ant7+Ant8	10.25	7.53
	106T/55	5190	Ant7	7.38	4.38
			Ant8	6.47	4.07
			Ant7+Ant8	9.96	7.24
		5230	Ant7	7.53	4.53
			Ant8	6.61	4.21
			Ant7+Ant8	10.10	7.38
	106T/56	5190	Ant7	7.58	4.58
			Ant8	6.62	4.22
			Ant7+Ant8	10.14	7.41
		5230	Ant7	7.63	4.63
			Ant8	6.71	4.31
			Ant7+Ant8	10.20	7.48
	242T/61	5190	Ant7	7.46	4.46
			Ant8	6.67	4.27
			Ant7+Ant8	10.09	7.38
		5230	Ant7	7.65	4.65
			Ant8	6.72	4.32
			Ant7+Ant8	10.22	7.50
	242T/62	5190	Ant7	7.35	4.35
			Ant8	6.63	4.23
			Ant7+Ant8	10.02	7.30
		5230	Ant7	7.59	4.59
			Ant8	6.66	4.26
			Ant7+Ant8	10.16	7.44
	484T/65	5190	Ant7	11.42	8.42
			Ant8	11.79	9.39
			Ant7+Ant8	14.62	11.94

		5230	Ant7	11.31	8.31
			Ant8	11.71	9.31
			Ant7+Ant8	14.52	11.85

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11ax80M	26T/0	5210	Ant7	7.74	4.74
			Ant8	6.90	4.50
			Ant7+Ant8	10.35	7.63
	26T/18		Ant7	7.69	4.69
			Ant8	6.51	4.11
			Ant7+Ant8	10.15	7.42
	26T/36		Ant7	7.67	4.67
			Ant8	6.53	4.13
			Ant7+Ant8	10.15	7.42
	52T/37		Ant7	7.14	4.14
			Ant8	6.80	4.40
			Ant7+Ant8	9.98	7.28
	52T/45		Ant7	7.73	4.73
			Ant8	6.66	4.26
			Ant7+Ant8	10.24	7.51
	52T/52		Ant7	7.75	4.75
			Ant8	6.62	4.22
			Ant7+Ant8	10.23	7.50
	106T/53		Ant7	7.58	4.58
			Ant8	6.84	4.44
			Ant7+Ant8	10.24	7.52
	106T/57		Ant7	7.57	4.57
			Ant8	6.63	4.23
			Ant7+Ant8	10.14	7.41
	106T/60		Ant7	7.59	4.59
			Ant8	6.66	4.26
			Ant7+Ant8	10.16	7.44
	242T/61		Ant7	7.71	4.71
			Ant8	6.76	4.36
			Ant7+Ant8	10.27	7.55
	242T/63		Ant7	7.63	4.63
			Ant8	6.60	4.20
			Ant7+Ant8	10.16	7.43

	242T/64		Ant7	7.65	4.65
			Ant8	6.65	4.25
			Ant7+Ant8	10.19	7.46
	484T/65		Ant7	7.59	4.59
			Ant8	6.65	4.25
			Ant7+Ant8	10.16	7.43
	484T/66		Ant7	7.54	4.54
			Ant8	6.70	4.30
			Ant7+Ant8	10.15	7.43
	996T/67		Ant7	11.43	8.43
			Ant8	11.93	9.53
			Ant7+Ant8	14.70	12.03

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11ax160M	26T/L	5250	Ant7	7.41	4.41
			Ant8	7.49	5.09
			Ant7+Ant8	10.46	7.77
	26T/H		Ant7	7.16	4.16
			Ant8	6.75	4.35
			Ant7+Ant8	9.97	7.27
	52T/L		Ant7	7.37	4.37
			Ant8	7.40	5.00
			Ant7+Ant8	10.40	7.71
	52T/H		Ant7	7.11	4.11
			Ant8	6.70	4.30
			Ant7+Ant8	9.92	7.22
	106T/L		Ant7	7.34	4.34
			Ant8	7.44	5.04
			Ant7+Ant8	10.40	7.71
	106T/H		Ant7	7.04	4.04
			Ant8	6.74	4.34
			Ant7+Ant8	9.90	7.20
	242T/L		Ant7	7.33	4.33
			Ant8	7.43	5.03
			Ant7+Ant8	10.39	7.70
	242T/H		Ant7	7.05	4.05
			Ant8	6.73	4.33

	484T/L	Ant7+Ant8	9.90	7.20
		Ant7	7.18	4.18
		Ant8	7.22	4.82
	484T/H	Ant7+Ant8	10.21	7.52
		Ant7	6.88	3.88
		Ant8	6.57	4.17
	996T/L	Ant7+Ant8	9.74	7.04
		Ant7	6.95	3.95
		Ant8	6.93	4.53
	996T/H	Ant7+Ant8	9.95	7.26
		Ant7	6.72	3.72
		Ant8	6.47	4.07
	1992T/L&H	Ant7+Ant8	9.61	6.91
		Ant7	11.04	8.04
		Ant8	10.90	8.50
		Ant7+Ant8	13.98	11.29

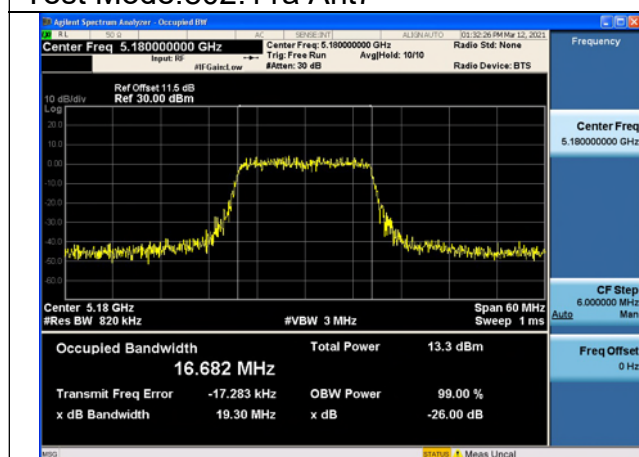
Emission Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

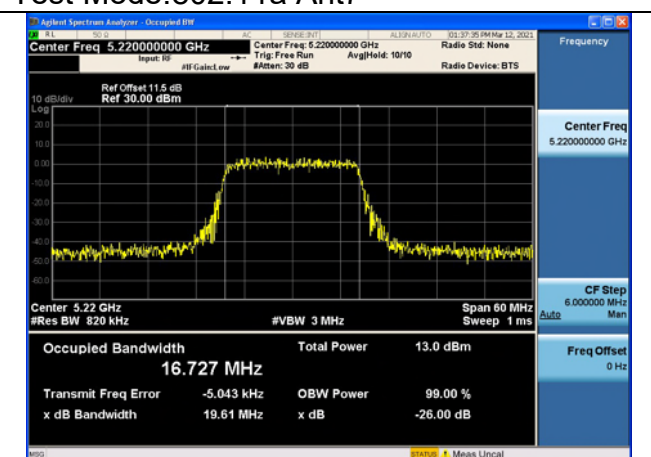
Test Mode:802.11a

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5180	Ant7	19.30
	Ant8	19.05
5220	Ant7	19.61
	Ant8	19.60
5240	Ant7	19.31
	Ant8	18.95

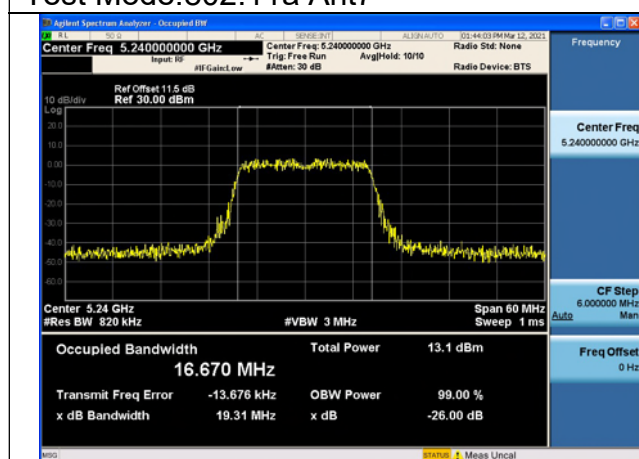
Test Mode:802.11a Ant7



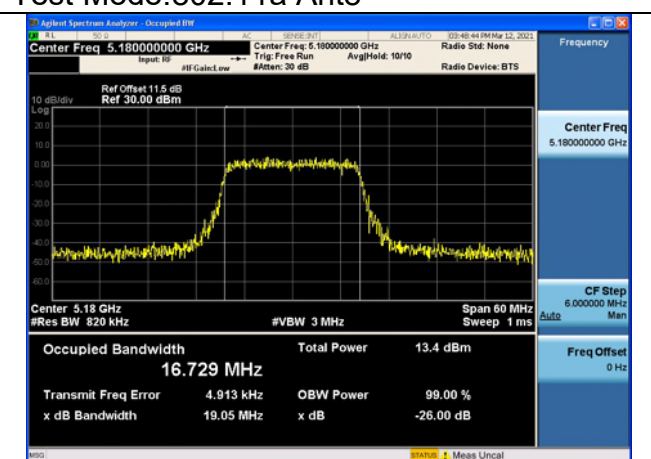
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Test Mode:802.11a Ant7

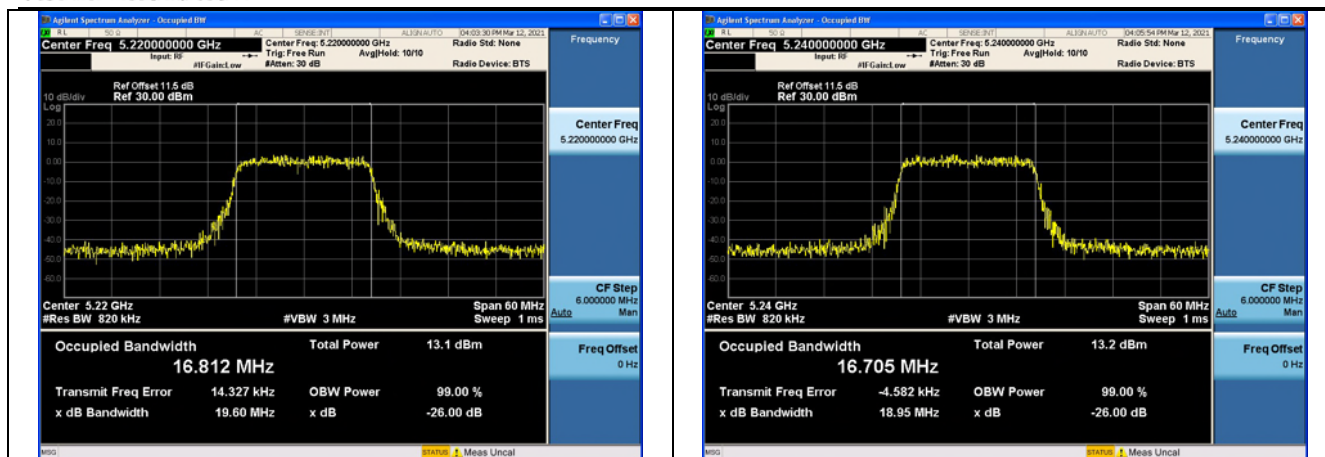


Test Mode:802.11a Ant8



Test Mode:802.11a Ant8

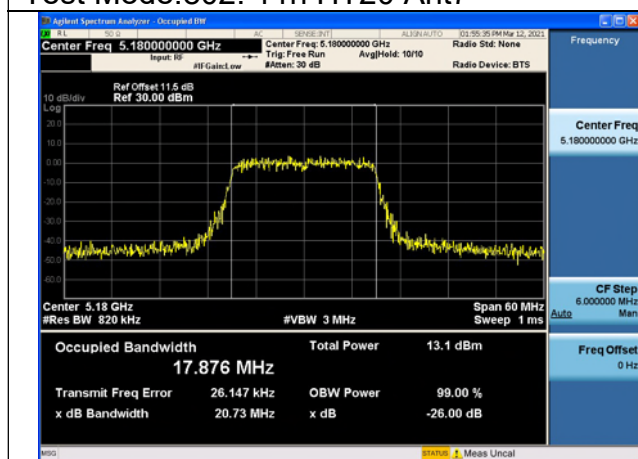
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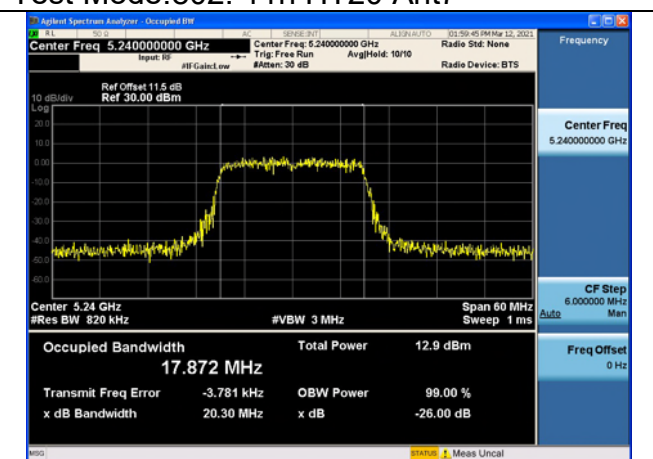
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5180	Ant7	20.73
	Ant8	20.92
5240	Ant7	20.30
	Ant8	20.18

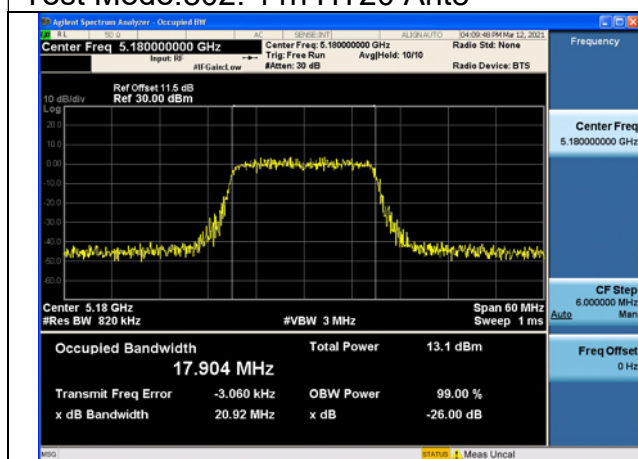
Test Mode:802. 11n HT20 Ant7



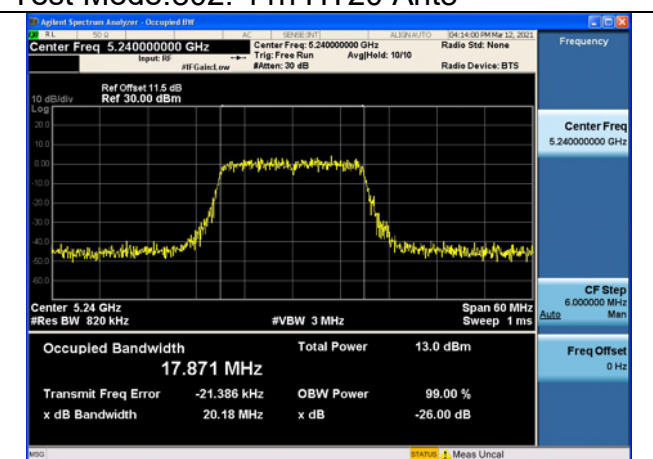
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Test Mode:802. 11n HT20 Ant8



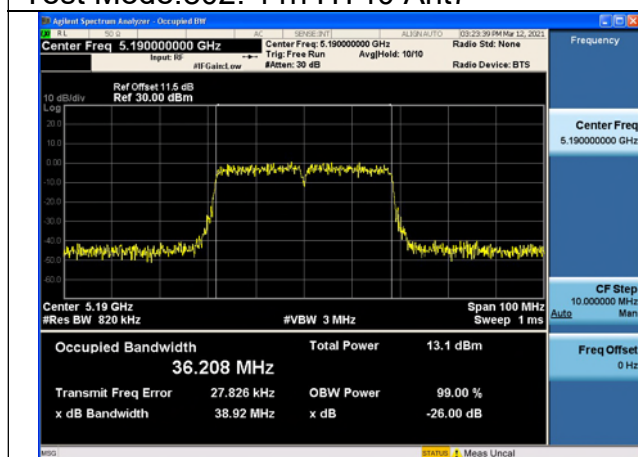
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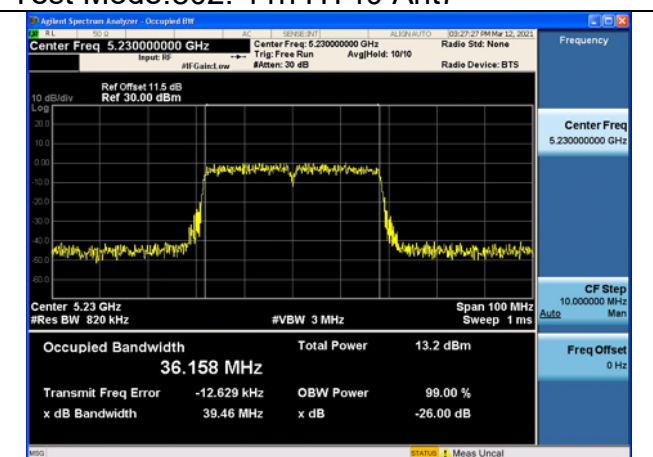
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5190	Ant7	38.92
	Ant8	39.06
5230	Ant7	39.46
	Ant8	39.21

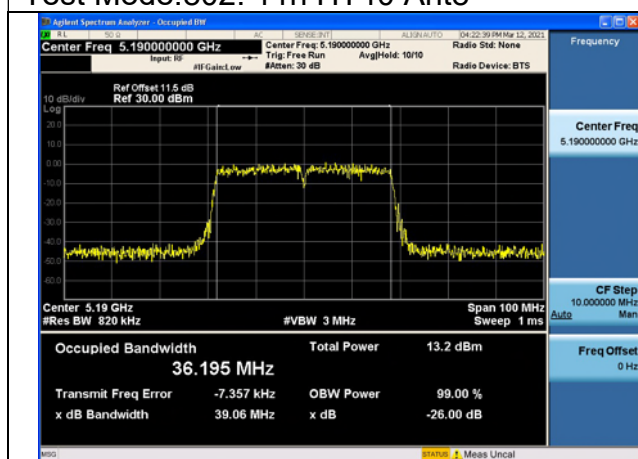
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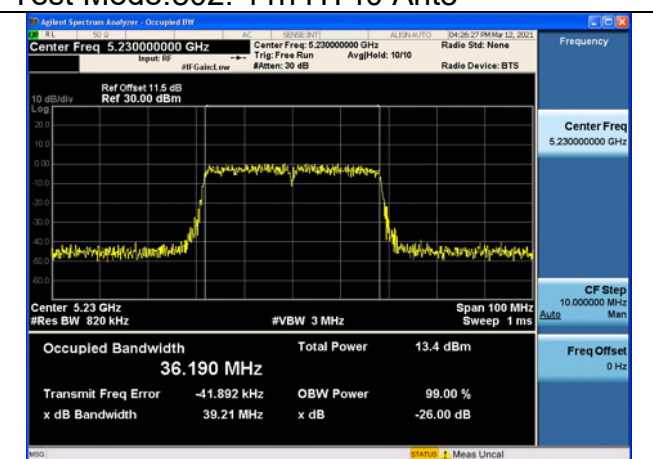
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Test Mode:802. 11n HT40 Ant8



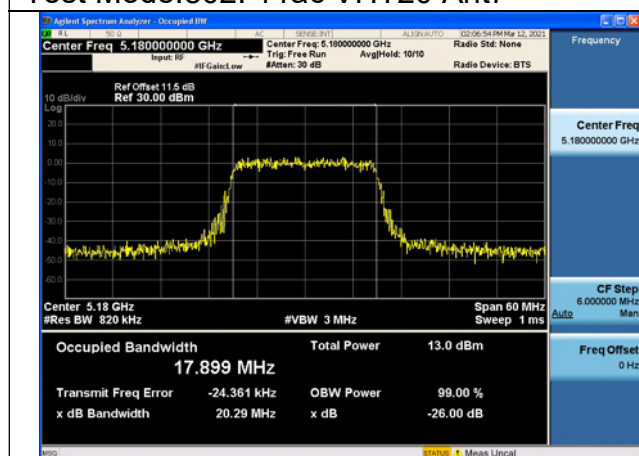
Test Mode:802. 11n HT40 Ant8



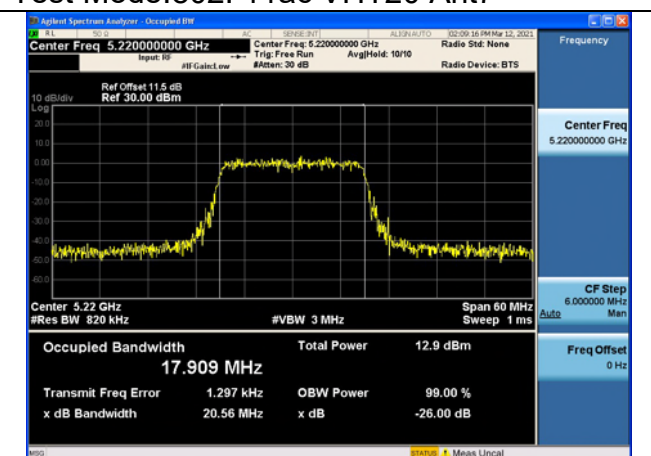
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5180	Ant7	20.29
	Ant8	20.50
5220	Ant7	20.56
	Ant8	20.86
5240	Ant7	20.50
	Ant8	20.87

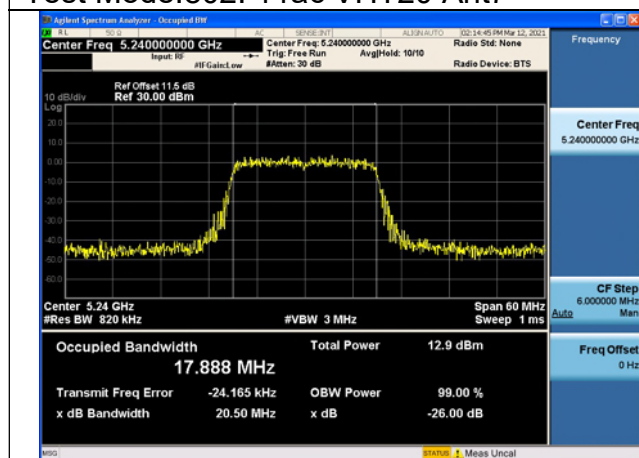
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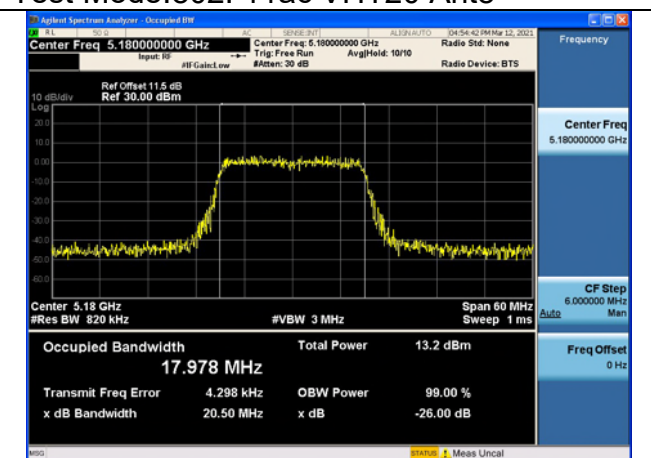
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Test Mode:802. 11ac VHT20 Ant7

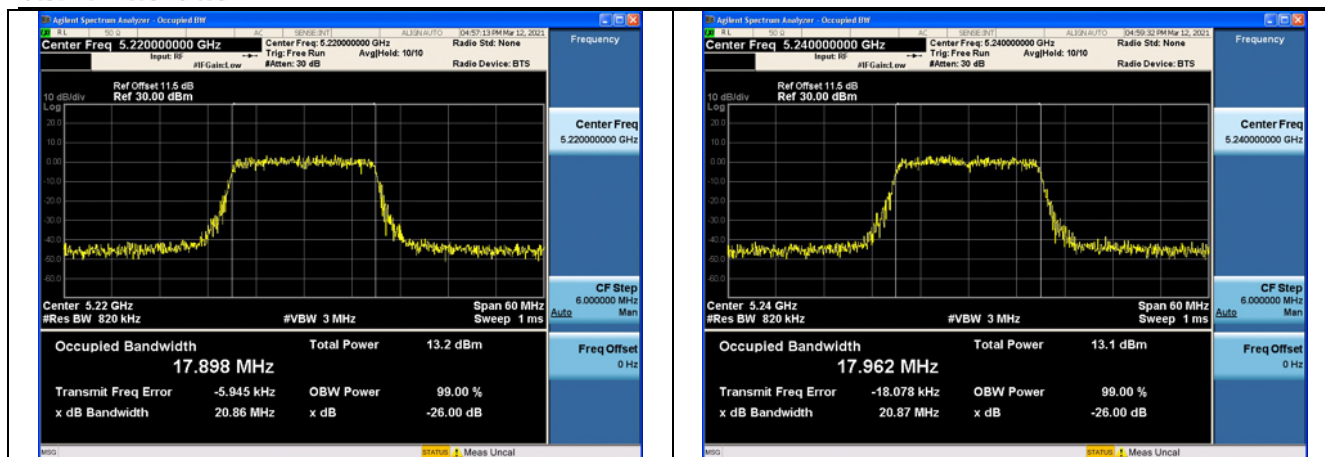


Test Mode:802. 11ac VHT20 Ant8



Test Mode:802. 11ac VHT20 Ant8

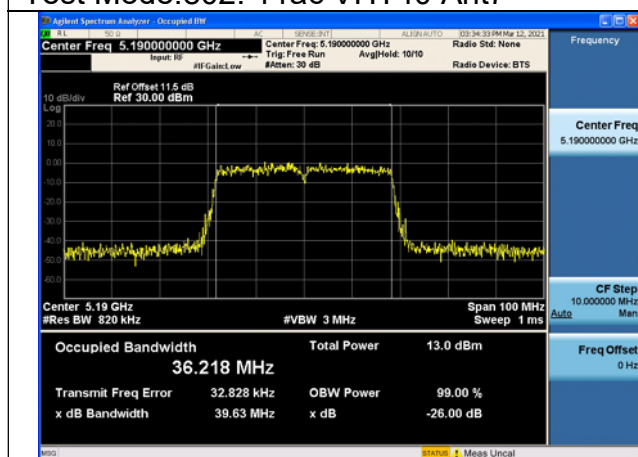
Test Mode:802. 11ac VHT20 Ant8



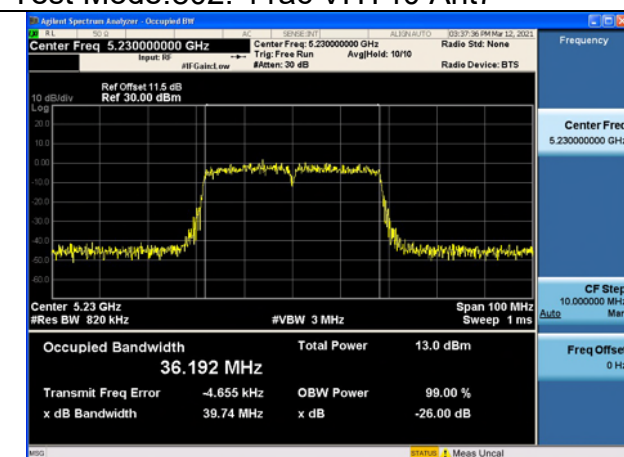
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Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5190	Ant7	39.63
	Ant8	38.67
5230	Ant7	39.74
	Ant8	39.20

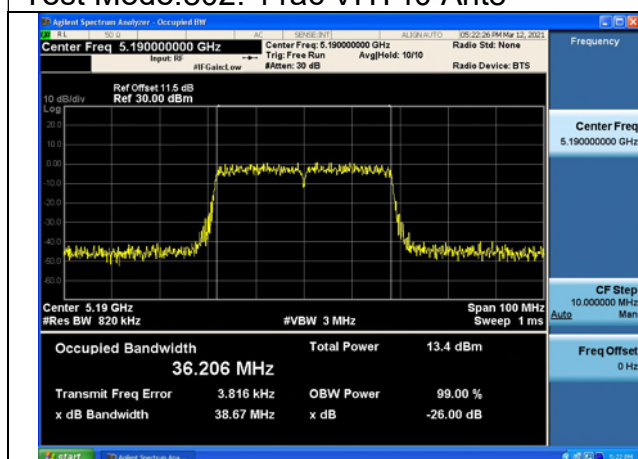
Test Mode:802. 11ac VHT40 Ant7



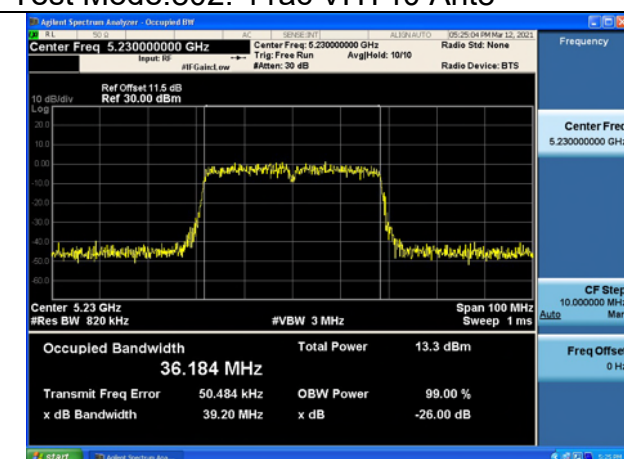
Test Mode:802. 11ac VHT40 Ant7



Test Mode:802. 11ac VHT40 Ant8



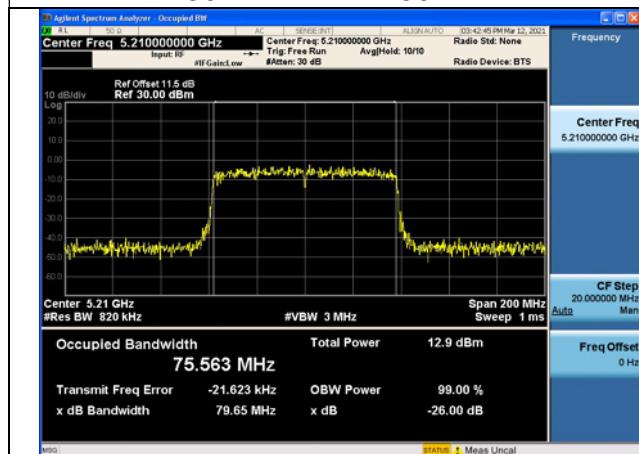
Test Mode:802. 11ac VHT40 Ant8



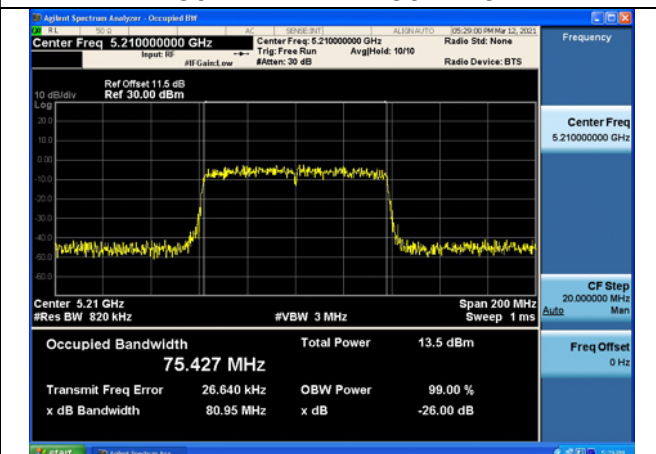
Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5210	Ant7	79.65
	Ant8	80.95

Test Mode:802. 11ac VHT80 Ant7



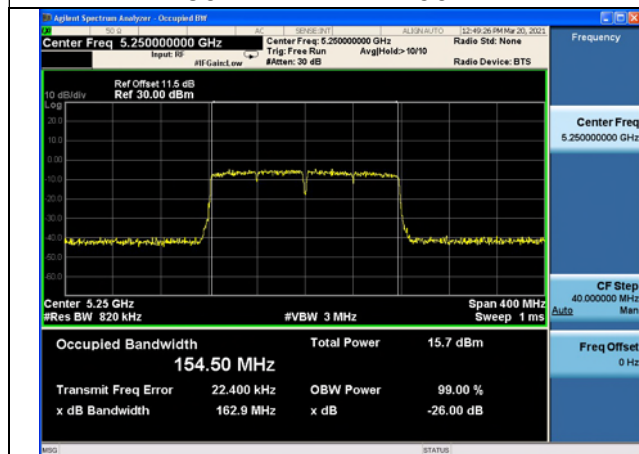
Test Mode:802. 11ac VHT80 Ant8



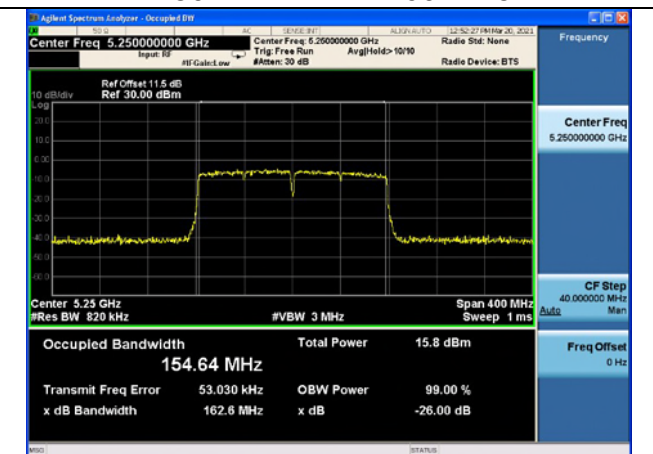
Test Mode:802. 11ac VHT160

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5250	Ant7	162.9
	Ant8	162.6

Test Mode:802. 11ac VHT160 Ant7



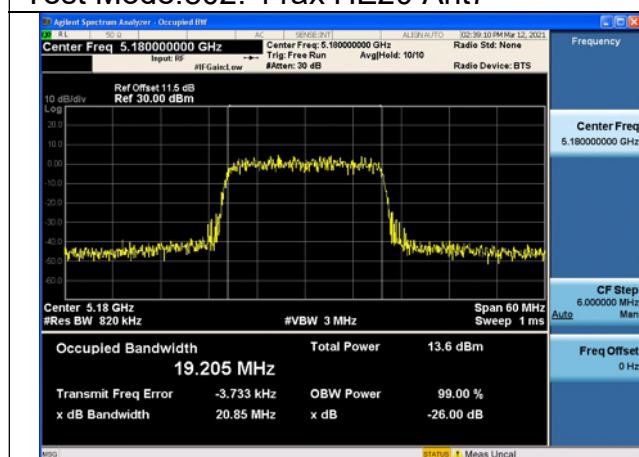
Test Mode:802. 11ac VHT160 Ant8



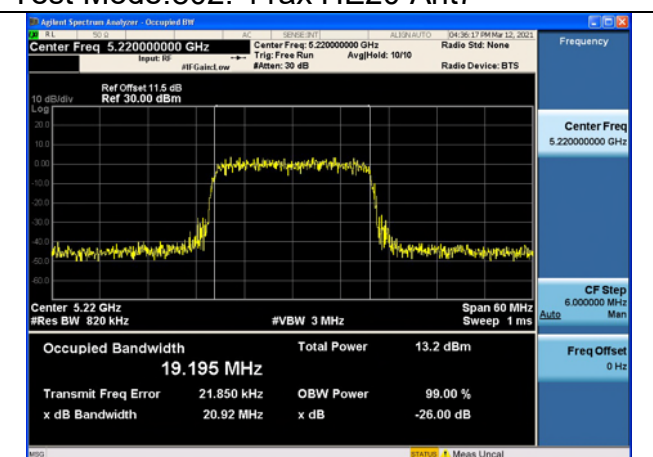
Test Mode:802.11ax HE20(242)

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5180	Ant7	20.85
	Ant8	20.96
5220	Ant7	20.92
	Ant8	20.99
5240	Ant7	20.75
	Ant8	20.93

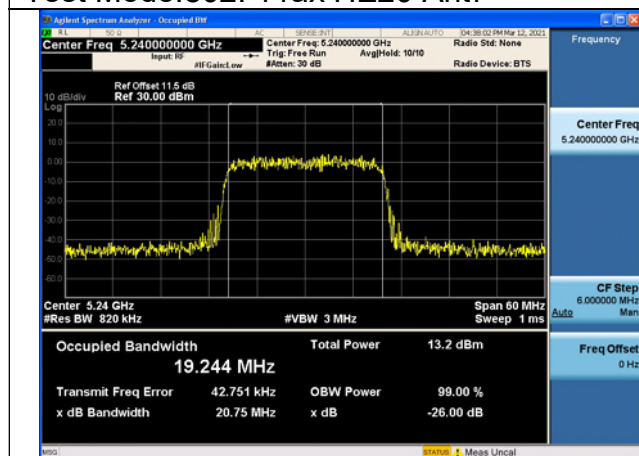
Test Mode:802.11ax HE20 Ant7



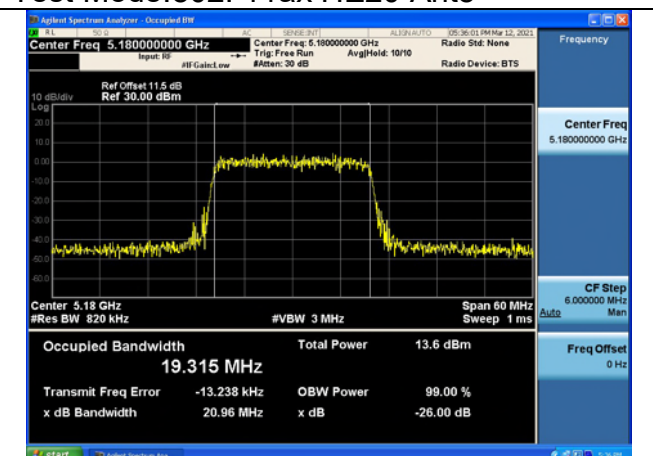
Test Mode:802.11ax HE20 Ant7



Test Mode:802.11ax HE20 Ant7

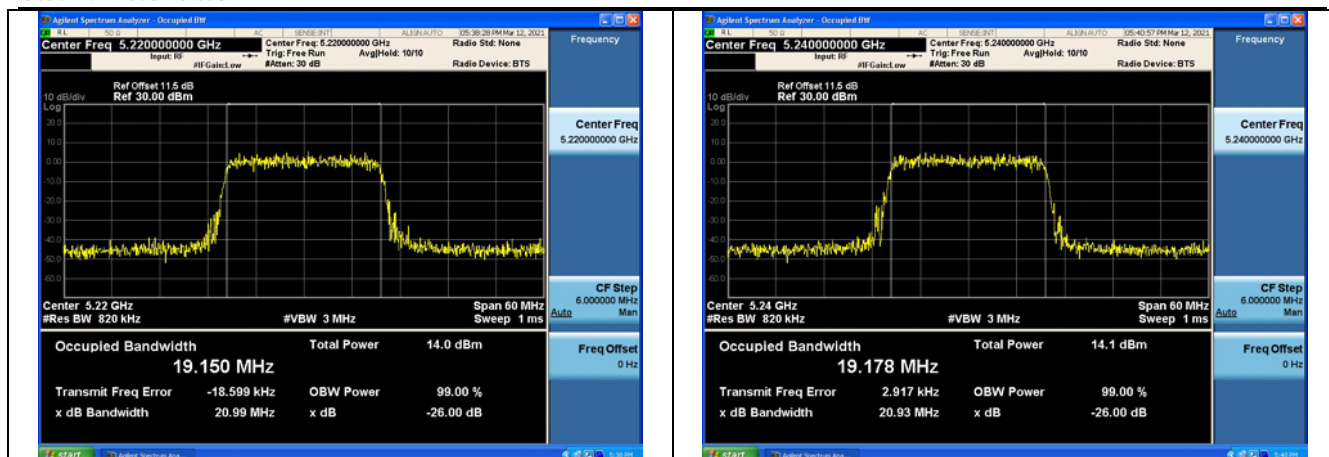


Test Mode:802.11ax HE20 Ant8



Test Mode:802.11ax HE20 Ant8

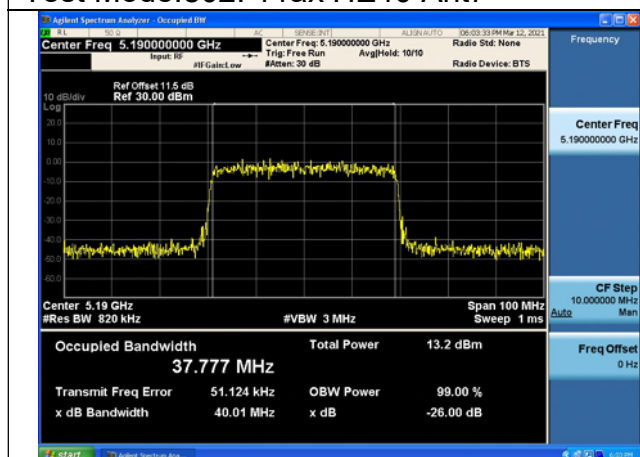
Test Mode:802.11ax HE20 Ant8



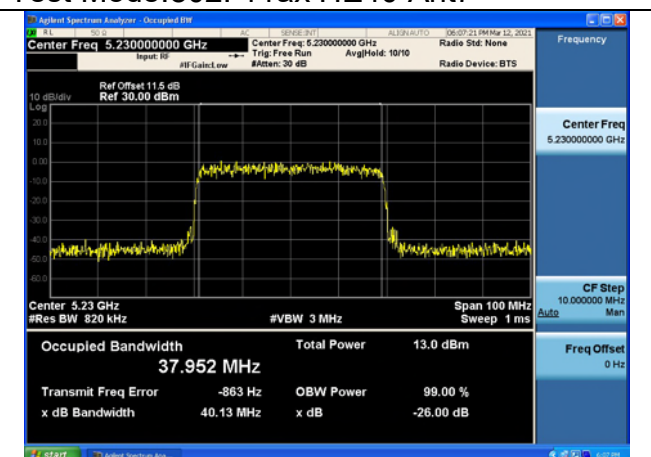
Test Mode:802.11ax HE40(484)

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5190	Ant7	40.01
	Ant8	39.93
5230	Ant7	40.13
	Ant8	40.47

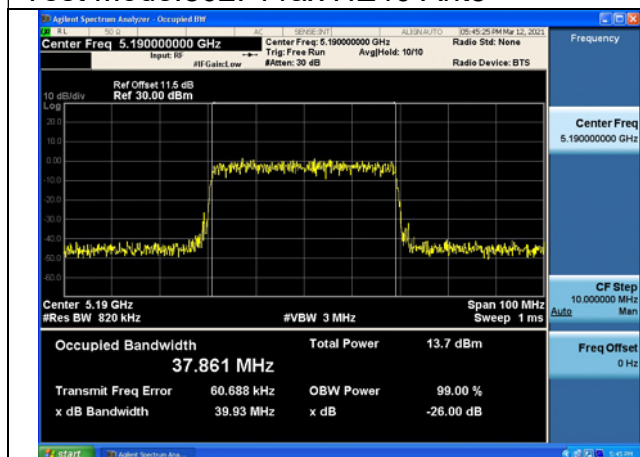
Test Mode:802.11ax HE40 Ant7



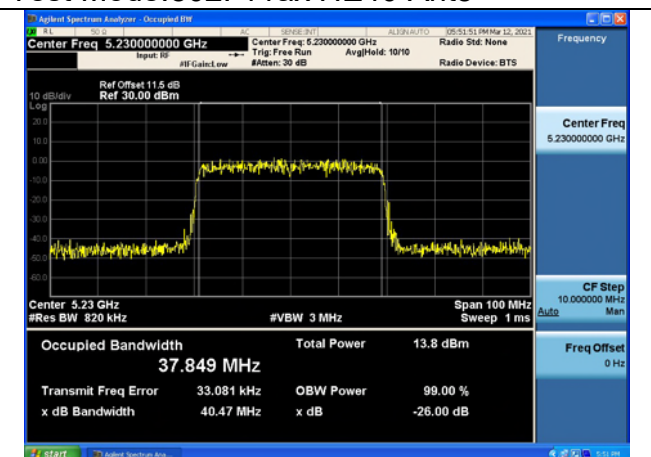
Test Mode:802.11ax HE40 Ant7



Test Mode:802.11ax HE40 Ant8



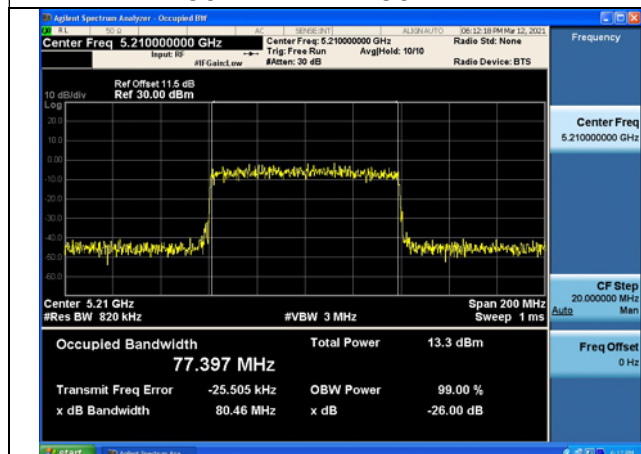
Test Mode:802.11ax HE40 Ant8



Test Mode:802.11ax HE80(996)

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5210	Ant7	80.46
	Ant8	80.79

Test Mode:802.11ax HE80 Ant7



Test Mode:802.11ax HE80 Ant8

