

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

RTL8852BE

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5180	98.70%	0	Fig.1
802.11a	5180	98.70%	0	Fig.2
802.11n HT20	5180	98.62%	0	Fig.3
802.11n HT20	5180	98.67%	0	Fig.4
802.11ac VHT20	5180	98.65%	0	Fig.5
802.11ac VHT20	5180	98.64%	0	Fig.6
802.11ax HE20	5180	98.50%	0	Fig.7
802.11ax HE20	5180	98.51%	0	Fig.8
802.11n HT40	5190	98.30%	0	Fig.9
802.11n HT40	5190	98.26%	0	Fig.10
802.11ac VHT40	5190	98.29%	0	Fig.11
802.11ac VHT40	5190	98.37%	0	Fig.12
802.11ax HE40	5190	98.28%	0	Fig.13
802.11ax HE40	5190	98.22%	0	Fig.14
802.11ac VHT80	5210	98.13%	0	Fig.15
802.11ac VHT80	5210	98.10%	0	Fig.16
802.11ax HE80	5210	98.01%	0	Fig.17
802.11ax HE80	5210	98.06%	0	Fig.18

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

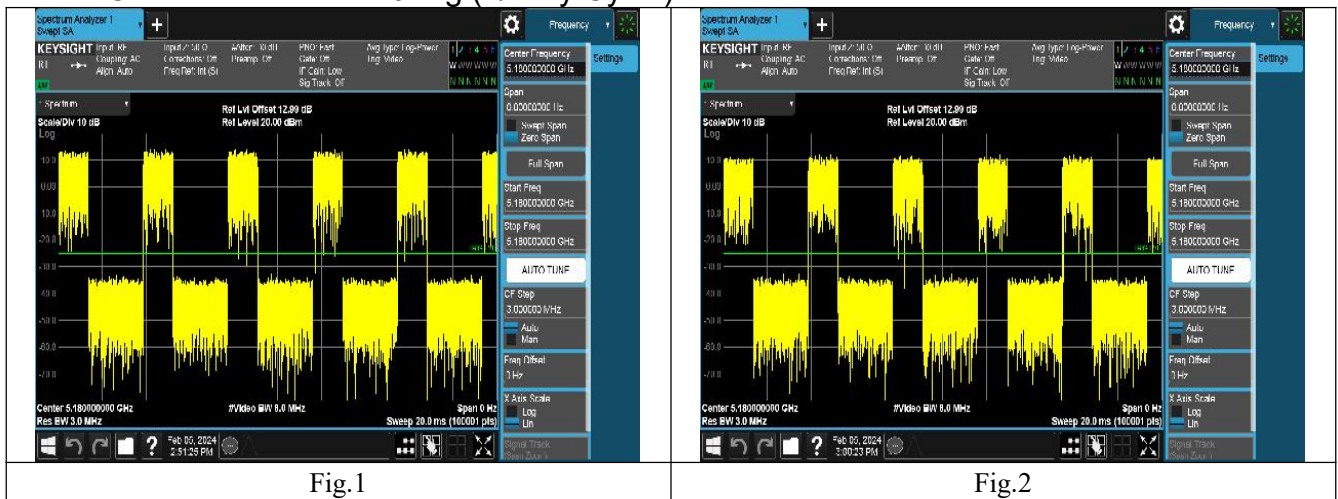


Fig.1

Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11

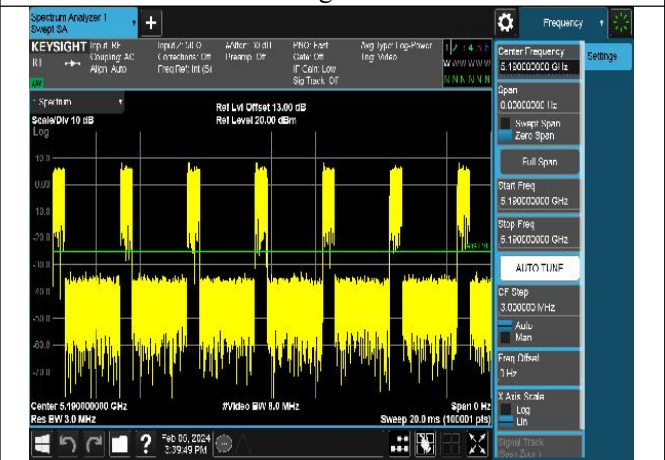


Fig.12

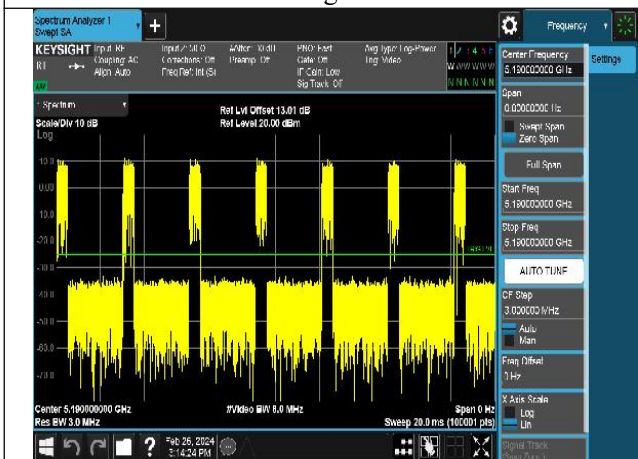


Fig.13

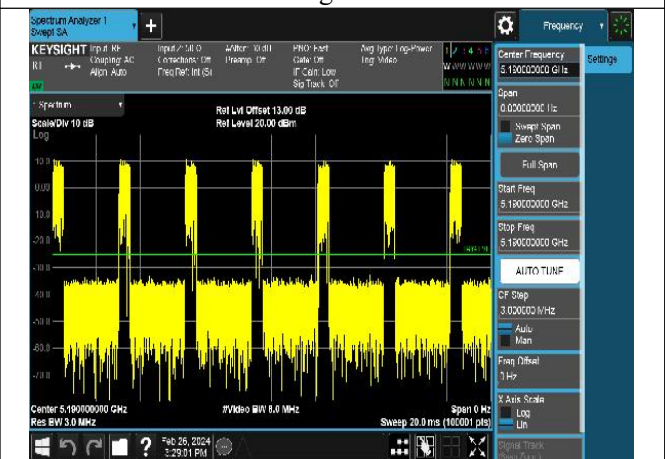


Fig.14



Fig.15



Fig.16

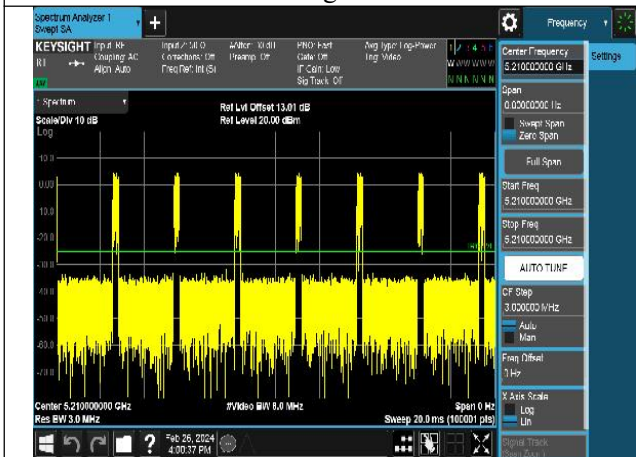


Fig.17

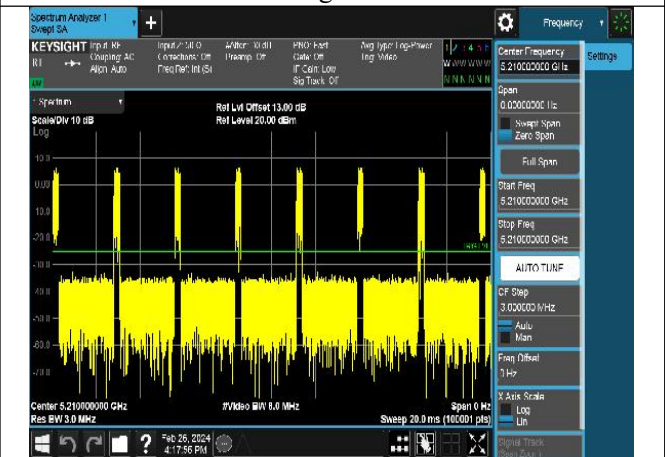


Fig.18

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	8.15	9.77
802.11a	NA	5180	Chain1	5.93	6.73
802.11a	NA	5220	Chain0	7.71	9.33
802.11a	NA	5220	Chain1	5.31	6.11
802.11a	NA	5240	Chain0	7.39	9.01
802.11a	NA	5240	Chain1	5.36	6.16
802.11n HT20	NA	5180	Chain0	7.52	9.14
802.11n HT20	NA	5180	Chain1	5.98	6.78
802.11n HT20	NA	5180	MIMO	9.83	11.06
802.11n HT20	NA	5220	Chain0	7.71	9.33
802.11n HT20	NA	5220	Chain1	5.25	6.05
802.11n HT20	NA	5220	MIMO	9.66	10.89
802.11n HT20	NA	5240	Chain0	7.66	9.28
802.11n HT20	NA	5240	Chain1	5.25	6.05
802.11n HT20	NA	5240	MIMO	9.63	10.86
802.11ac VHT20	NA	5180	Chain0	7.56	9.18
802.11ac VHT20	NA	5180	Chain1	5.72	6.52
802.11ac VHT20	NA	5180	MIMO	9.75	10.98
802.11ac VHT20	NA	5220	Chain0	7.97	9.59
802.11ac VHT20	NA	5220	Chain1	5.26	6.06
802.11ac VHT20	NA	5220	MIMO	9.83	11.06
802.11ac VHT20	NA	5240	Chain0	8.33	9.95
802.11ac VHT20	NA	5240	Chain1	5.54	6.34
802.11ac VHT20	NA	5240	MIMO	10.17	11.4
802.11n HT40	NA	5190	Chain0	5.64	7.26
802.11n HT40	NA	5190	Chain1	2.65	3.45
802.11n HT40	NA	5190	MIMO	7.41	8.64
802.11n HT40	NA	5230	Chain0	4.99	6.61
802.11n HT40	NA	5230	Chain1	3.36	4.16
802.11n HT40	NA	5230	MIMO	7.26	8.49
802.11ac VHT40	NA	5190	Chain0	5.75	7.37
802.11ac VHT40	NA	5190	Chain1	3.06	3.86
802.11ac VHT40	NA	5190	MIMO	7.62	8.85
802.11ac VHT40	NA	5230	Chain0	5.27	6.89
802.11ac VHT40	NA	5230	Chain1	3.38	4.18
802.11ac VHT40	NA	5230	MIMO	7.44	8.67
802.11ac VHT80	NA	5210	Chain0	3.46	5.08
802.11ac VHT80	NA	5210	Chain1	0.49	1.29
802.11ac VHT80	NA	5210	MIMO	5.23	6.46

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average	EIRP (dBm)
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				power output(dBm)	
802.11ax HE20	26T 0	5180	Chain0	7.64	9.26
802.11ax HE20	26T 0	5180	Chain1	6.78	7.58
802.11ax HE20	26T 0	5180	MIMO	10.24	11.47
802.11ax HE20	26T 0	5220	Chain0	7.71	9.33
802.11ax HE20	26T 0	5220	Chain1	7.53	8.33
802.11ax HE20	26T 0	5220	MIMO	10.63	11.86
802.11ax HE20	26T 0	5240	Chain0	7.05	8.67
802.11ax HE20	26T 0	5240	Chain1	7.83	8.63
802.11ax HE20	26T 0	5240	MIMO	10.47	11.7
802.11ax HE20	26T 4	5180	Chain0	6.80	8.42
802.11ax HE20	26T 4	5180	Chain1	6.74	7.54
802.11ax HE20	26T 4	5180	MIMO	9.78	11.01
802.11ax HE20	26T 4	5220	Chain0	8.24	9.86
802.11ax HE20	26T 4	5220	Chain1	7.21	8.01
802.11ax HE20	26T 4	5220	MIMO	10.77	12
802.11ax HE20	26T 4	5240	Chain0	6.95	8.57
802.11ax HE20	26T 4	5240	Chain1	7.24	8.04
802.11ax HE20	26T 4	5240	MIMO	10.11	11.34
802.11ax HE20	26T 8	5180	Chain0	5.71	7.33
802.11ax HE20	26T 8	5180	Chain1	6.57	7.37
802.11ax HE20	26T 8	5180	MIMO	9.17	10.4
802.11ax HE20	26T 8	5220	Chain0	8.14	9.76
802.11ax HE20	26T 8	5220	Chain1	7.17	7.97
802.11ax HE20	26T 8	5220	MIMO	10.69	11.92
802.11ax HE20	26T 8	5240	Chain0	7.59	9.21
802.11ax HE20	26T 8	5240	Chain1	7.49	8.29
802.11ax HE20	26T 8	5240	MIMO	10.55	11.78
802.11ax HE20	52T 37	5180	Chain0	7.00	8.62
802.11ax HE20	52T 37	5180	Chain1	5.70	6.5
802.11ax HE20	52T 37	5180	MIMO	9.41	10.64
802.11ax HE20	52T 37	5220	Chain0	7.31	8.93
802.11ax HE20	52T 37	5220	Chain1	7.36	8.16
802.11ax HE20	52T 37	5220	MIMO	10.35	11.58
802.11ax HE20	52T 37	5240	Chain0	7.52	9.14
802.11ax HE20	52T 37	5240	Chain1	7.43	8.23
802.11ax HE20	52T 37	5240	MIMO	10.49	11.72
802.11ax HE20	52T 39	5180	Chain0	7.46	9.08
802.11ax HE20	52T 39	5180	Chain1	6.85	7.65
802.11ax HE20	52T 39	5180	MIMO	10.18	11.41
802.11ax HE20	52T 39	5220	Chain0	7.51	9.13
802.11ax HE20	52T 39	5220	Chain1	7.31	8.11
802.11ax HE20	52T 39	5220	MIMO	10.42	11.65
802.11ax HE20	52T 39	5240	Chain0	7.42	9.04
802.11ax HE20	52T 39	5240	Chain1	7.12	7.92

802.11ax HE20	52T 39	5240	MIMO	10.28	11.51
802.11ax HE20	52T 40	5180	Chain0	7.57	9.19
802.11ax HE20	52T 40	5180	Chain1	7.57	8.37
802.11ax HE20	52T 40	5180	MIMO	10.58	11.81
802.11ax HE20	52T 40	5220	Chain0	8.10	9.72
802.11ax HE20	52T 40	5220	Chain1	6.95	7.75
802.11ax HE20	52T 40	5220	MIMO	10.57	11.8
802.11ax HE20	52T 40	5240	Chain0	7.04	8.66
802.11ax HE20	52T 40	5240	Chain1	7.24	8.04
802.11ax HE20	52T 40	5240	MIMO	10.15	11.38
802.11ax HE20	106T 53	5180	Chain0	6.78	8.4
802.11ax HE20	106T 53	5180	Chain1	7.70	8.5
802.11ax HE20	106T 53	5180	MIMO	10.27	11.5
802.11ax HE20	106T 53	5220	Chain0	7.86	9.48
802.11ax HE20	106T 53	5220	Chain1	6.09	6.89
802.11ax HE20	106T 53	5220	MIMO	10.07	11.3
802.11ax HE20	106T 53	5240	Chain0	7.49	9.11
802.11ax HE20	106T 53	5240	Chain1	7.95	8.75
802.11ax HE20	106T 53	5240	MIMO	10.74	11.97
802.11ax HE20	106T 54	5180	Chain0	7.36	8.98
802.11ax HE20	106T 54	5180	Chain1	7.38	8.18
802.11ax HE20	106T 54	5180	MIMO	10.38	11.61
802.11ax HE20	106T 54	5220	Chain0	7.51	9.13
802.11ax HE20	106T 54	5220	Chain1	8.64	9.44
802.11ax HE20	106T 54	5220	MIMO	11.12	12.35
802.11ax HE20	106T 54	5240	Chain0	7.46	9.08
802.11ax HE20	106T 54	5240	Chain1	7.30	8.1
802.11ax HE20	106T 54	5240	MIMO	10.39	11.62
802.11ax HE20	242T 61	5180	Chain0	6.93	8.55
802.11ax HE20	242T 61	5180	Chain1	6.23	7.03
802.11ax HE20	242T 61	5180	MIMO	9.60	10.83
802.11ax HE20	242T 61	5220	Chain0	7.14	8.76
802.11ax HE20	242T 61	5220	Chain1	7.35	8.15
802.11ax HE20	242T 61	5220	MIMO	10.26	11.49
802.11ax HE20	242T 61	5240	Chain0	7.49	9.11
802.11ax HE20	242T 61	5240	Chain1	7.64	8.44
802.11ax HE20	242T 61	5240	MIMO	10.58	11.81
802.11ax HE40	26T 0	5190	Chain0	4.18	5.8
802.11ax HE40	26T 0	5190	Chain1	3.44	4.24
802.11ax HE40	26T 0	5190	MIMO	6.84	8.07
802.11ax HE40	26T 0	5230	Chain0	6.85	8.47
802.11ax HE40	26T 0	5230	Chain1	4.59	5.39
802.11ax HE40	26T 0	5230	MIMO	8.88	10.11
802.11ax HE40	26T 10	5190	Chain0	5.43	7.05
802.11ax HE40	26T 10	5190	Chain1	5.16	5.96
802.11ax HE40	26T 10	5190	MIMO	8.31	9.54

802.11ax HE40	26T 10	5230	Chain0	5.56	7.18
802.11ax HE40	26T 10	5230	Chain1	7.14	7.94
802.11ax HE40	26T 10	5230	MIMO	9.43	10.66
802.11ax HE40	26T 17	5190	Chain0	6.54	8.16
802.11ax HE40	26T 17	5190	Chain1	6.60	7.4
802.11ax HE40	26T 17	5190	MIMO	9.58	10.81
802.11ax HE40	26T 17	5230	Chain0	2.51	4.13
802.11ax HE40	26T 17	5230	Chain1	2.06	2.86
802.11ax HE40	26T 17	5230	MIMO	5.30	6.53
802.11ax HE40	52T 37	5190	Chain0	9.46	11.08
802.11ax HE40	52T 37	5190	Chain1	9.85	10.65
802.11ax HE40	52T 37	5190	MIMO	12.67	13.9
802.11ax HE40	52T 37	5230	Chain0	4.84	6.46
802.11ax HE40	52T 37	5230	Chain1	3.43	4.23
802.11ax HE40	52T 37	5230	MIMO	7.20	8.43
802.11ax HE40	52T 41	5190	Chain0	5.67	7.29
802.11ax HE40	52T 41	5190	Chain1	6.18	6.98
802.11ax HE40	52T 41	5190	MIMO	8.94	10.17
802.11ax HE40	52T 41	5230	Chain0	4.23	5.85
802.11ax HE40	52T 41	5230	Chain1	3.68	4.48
802.11ax HE40	52T 41	5230	MIMO	6.97	8.2
802.11ax HE40	52T 44	5190	Chain0	3.60	5.22
802.11ax HE40	52T 44	5190	Chain1	7.76	8.56
802.11ax HE40	52T 44	5190	MIMO	9.17	10.4
802.11ax HE40	52T 44	5230	Chain0	3.58	5.2
802.11ax HE40	52T 44	5230	Chain1	5.61	6.41
802.11ax HE40	52T 44	5230	MIMO	7.72	8.95
802.11ax HE40	106T 53	5190	Chain0	1.66	3.28
802.11ax HE40	106T 53	5190	Chain1	5.01	5.81
802.11ax HE40	106T 53	5190	MIMO	6.66	7.89
802.11ax HE40	106T 53	5230	Chain0	5.87	7.49
802.11ax HE40	106T 53	5230	Chain1	8.60	9.4
802.11ax HE40	106T 53	5230	MIMO	10.46	11.69
802.11ax HE40	106T 55	5190	Chain0	6.49	8.11
802.11ax HE40	106T 55	5190	Chain1	5.77	6.57
802.11ax HE40	106T 55	5190	MIMO	9.16	10.39
802.11ax HE40	106T 55	5230	Chain0	6.37	7.99
802.11ax HE40	106T 55	5230	Chain1	2.17	2.97
802.11ax HE40	106T 55	5230	MIMO	7.77	9
802.11ax HE40	106T 56	5190	Chain0	6.49	8.11
802.11ax HE40	106T 56	5190	Chain1	7.72	8.52
802.11ax HE40	106T 56	5190	MIMO	10.16	11.39
802.11ax HE40	106T 56	5230	Chain0	7.28	8.9
802.11ax HE40	106T 56	5230	Chain1	7.08	7.88
802.11ax HE40	106T 56	5230	MIMO	10.19	11.42
802.11ax HE40	242T 61	5190	Chain0	8.37	9.99

802.11ax HE40	242T 61	5190	Chain1	2.80	3.6
802.11ax HE40	242T 61	5190	MIMO	9.43	10.66
802.11ax HE40	242T 61	5230	Chain0	2.83	4.45
802.11ax HE40	242T 61	5230	Chain1	5.91	6.71
802.11ax HE40	242T 61	5230	MIMO	7.65	8.88
802.11ax HE40	242T 62	5190	Chain0	4.95	6.57
802.11ax HE40	242T 62	5190	Chain1	4.30	5.1
802.11ax HE40	242T 62	5190	MIMO	7.65	8.88
802.11ax HE40	242T 62	5230	Chain0	4.92	6.54
802.11ax HE40	242T 62	5230	Chain1	3.99	4.79
802.11ax HE40	242T 62	5230	MIMO	7.49	8.72
802.11ax HE40	484T 65	5190	Chain0	4.82	6.44
802.11ax HE40	484T 65	5190	Chain1	5.53	6.33
802.11ax HE40	484T 65	5190	MIMO	8.20	9.43
802.11ax HE40	484T 65	5230	Chain0	4.17	5.79
802.11ax HE40	484T 65	5230	Chain1	6.70	7.5
802.11ax HE40	484T 65	5230	MIMO	8.63	9.86
802.11ax HE80	26T 0	5210	Chain0	2.68	4.3
802.11ax HE80	26T 0	5210	Chain1	8.81	9.61
802.11ax HE80	26T 0	5210	MIMO	9.76	10.99
802.11ax HE80	26T 18	5210	Chain0	2.66	4.28
802.11ax HE80	26T 18	5210	Chain1	7.94	8.74
802.11ax HE80	26T 18	5210	MIMO	9.07	10.3
802.11ax HE80	26T 36	5210	Chain0	2.57	4.19
802.11ax HE80	26T 36	5210	Chain1	9.81	10.61
802.11ax HE80	26T 36	5210	MIMO	10.56	11.79
802.11ax HE80	52T 37	5210	Chain0	2.79	4.41
802.11ax HE80	52T 37	5210	Chain1	7.72	8.52
802.11ax HE80	52T 37	5210	MIMO	8.93	10.16
802.11ax HE80	52T 45	5210	Chain0	3.94	5.56
802.11ax HE80	52T 45	5210	Chain1	7.44	8.24
802.11ax HE80	52T 45	5210	MIMO	9.04	10.27
802.11ax HE80	52T 52	5210	Chain0	3.48	5.1
802.11ax HE80	52T 52	5210	Chain1	9.60	10.4
802.11ax HE80	52T 52	5210	MIMO	10.55	11.78
802.11ax HE80	106T 53	5210	Chain0	3.36	4.98
802.11ax HE80	106T 53	5210	Chain1	6.56	7.36
802.11ax HE80	106T 53	5210	MIMO	8.26	9.49
802.11ax HE80	106T 57	5210	Chain0	3.42	5.04
802.11ax HE80	106T 57	5210	Chain1	6.42	7.22
802.11ax HE80	106T 57	5210	MIMO	8.18	9.41
802.11ax HE80	106T 60	5210	Chain0	2.96	4.58
802.11ax HE80	106T 60	5210	Chain1	8.64	9.44
802.11ax HE80	106T 60	5210	MIMO	9.68	10.91
802.11ax HE80	242T 61	5210	Chain0	3.83	5.45
802.11ax HE80	242T 61	5210	Chain1	3.80	4.6

802.11ax HE80	242T 61	5210	MIMO	6.83	8.06
802.11ax HE80	242T 63	5210	Chain0	2.89	4.51
802.11ax HE80	242T 63	5210	Chain1	4.18	4.98
802.11ax HE80	242T 63	5210	MIMO	6.59	7.82
802.11ax HE80	242T 64	5210	Chain0	3.56	5.18
802.11ax HE80	242T 64	5210	Chain1	6.89	7.69
802.11ax HE80	242T 64	5210	MIMO	8.55	9.78
802.11ax HE80	484T 65	5210	Chain0	3.63	5.25
802.11ax HE80	484T 65	5210	Chain1	3.39	4.19
802.11ax HE80	484T 65	5210	MIMO	6.52	7.75
802.11ax HE80	484T 66	5210	Chain0	3.36	4.98
802.11ax HE80	484T 66	5210	Chain1	2.94	3.74
802.11ax HE80	484T 66	5210	MIMO	6.17	7.4
802.11ax HE80	996T 67	5210	Chain0	3.15	4.77
802.11ax HE80	996T 67	5210	Chain1	3.72	4.52
802.11ax HE80	996T 67	5210	MIMO	6.45	7.68

Emission Bandwidth

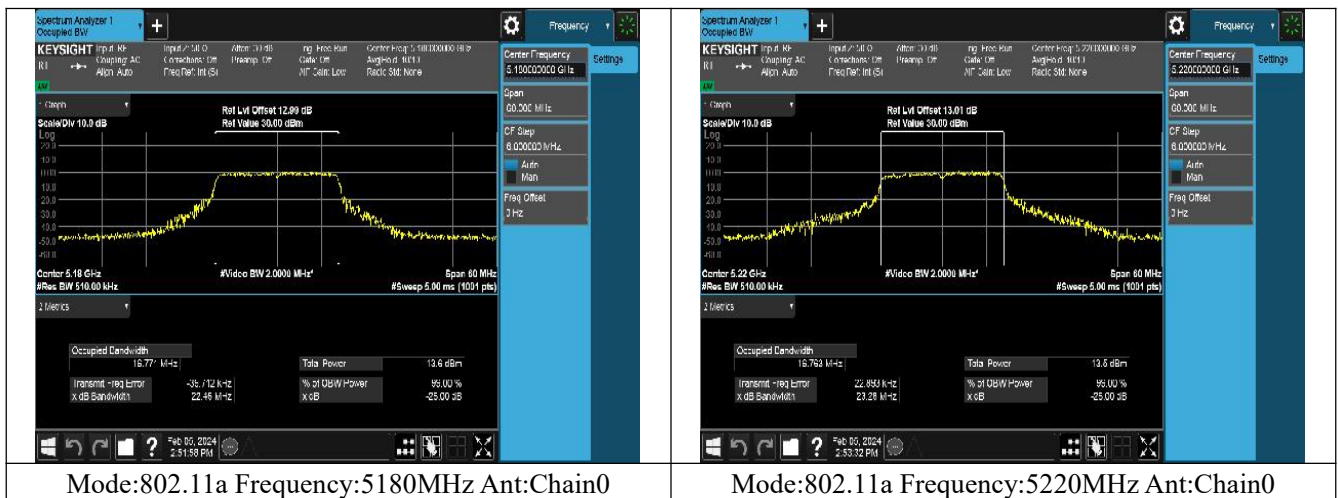
Offset 0dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5180MHz	5220MHz	5240MHz
802.11a	Chain0	22.46	23.28	21.46
802.11a	Chain1	22.25	22.11	21.65
802.11n HT20	Chain0	23.37	21.02	21.08
802.11n HT20	Chain1	21.63	20.77	21.96
802.11ac VHT20	Chain0	22.90	21.31	21.25
802.11ac VHT20	Chain1	22.17	21.60	21.92
802.11ax HE20	Chain0	21.39	23.03	22.13
802.11ax HE20	Chain1	23.66	22.78	22.26

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5190MHz	---	5230MHz
802.11n HT40	Chain0	42.74	---	43.16
802.11n HT40	Chain1	43.12	---	43.79
802.11ac VHT40	Chain0	43.28	---	42.68
802.11ac VHT40	Chain1	43.38	---	42.67
802.11ax HE40	Chain0	46.31	---	43.74
802.11ax HE40	Chain1	42.04	---	43.03

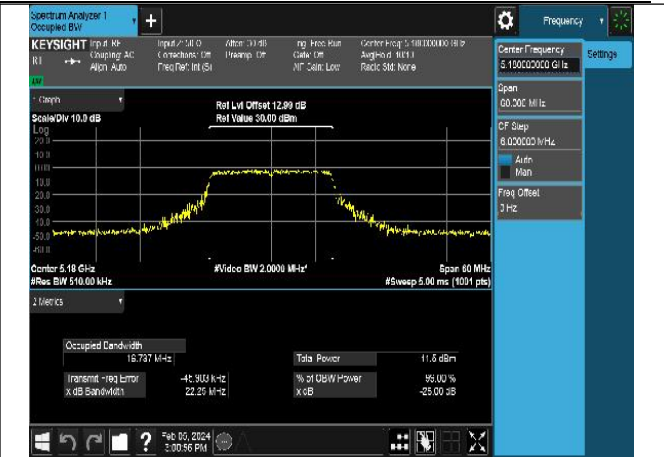
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5210MHz	---	---
802.11ac VHT80	Chain0	80.81	---	---
802.11ac VHT80	Chain1	81.98	---	---
802.11ax HE80	Chain0	82.95	---	---
802.11ax HE80	Chain1	82.64	---	---

Test Mode: 802.11a





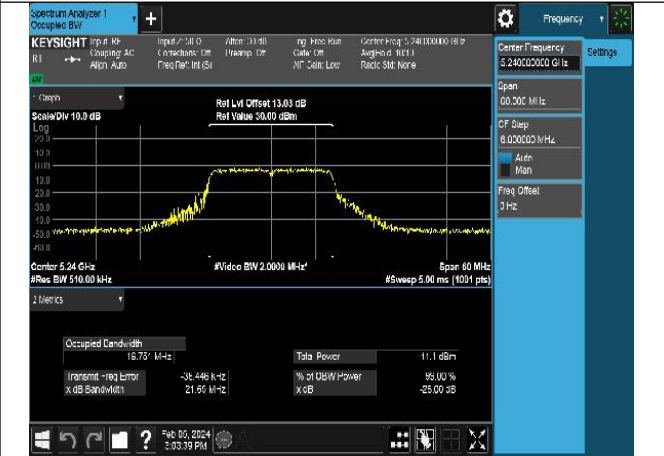
Mode:802.11a Frequency:5240MHz Ant:Chain0



Mode:802.11a Frequency:5180MHz Ant:Chain1

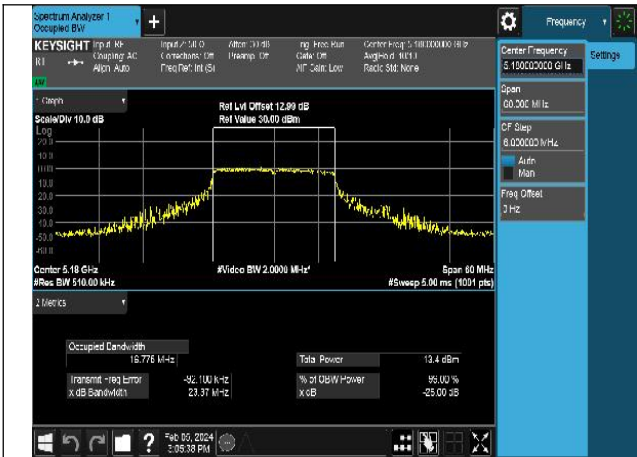


Mode:802.11a Frequency:5220MHz Ant:Chain1

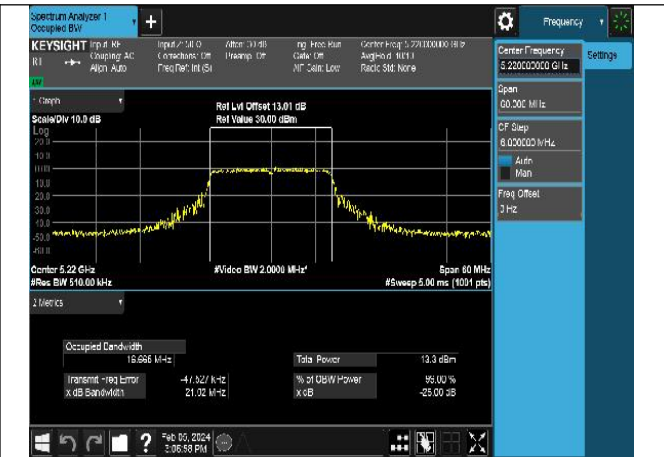


Mode:802.11a Frequency:5240MHz Ant:Chain1

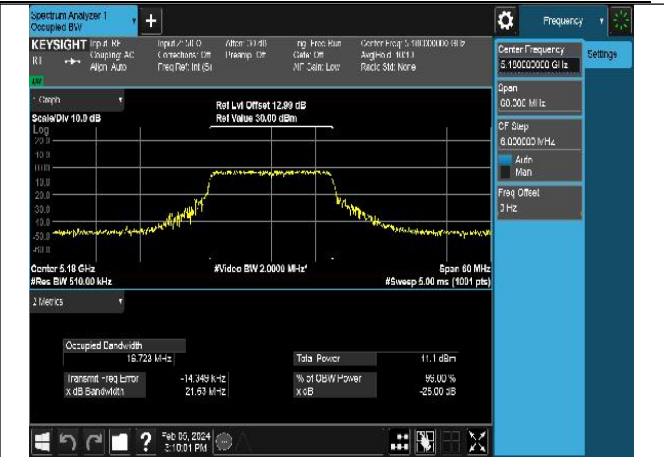
Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:5180MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5220MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5240MHz Ant:Chain0

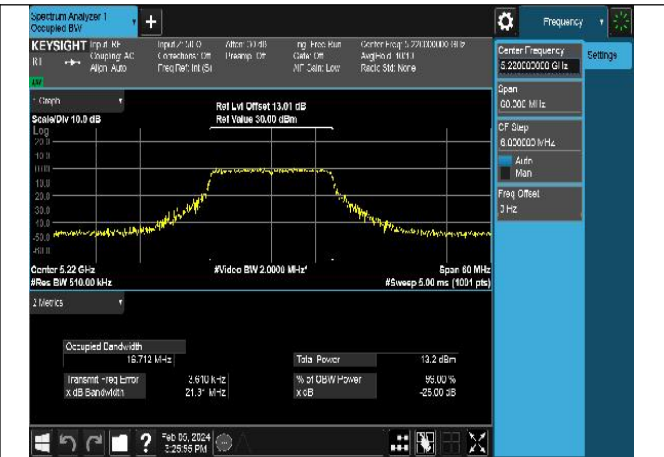
Mode:802.11n HT20 Frequency:5180MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5220MHz Ant:Chain1

Mode:802.11n HT20 Frequency:5240MHz Ant:Chain1

Test Mode: 802.11ac VHT20

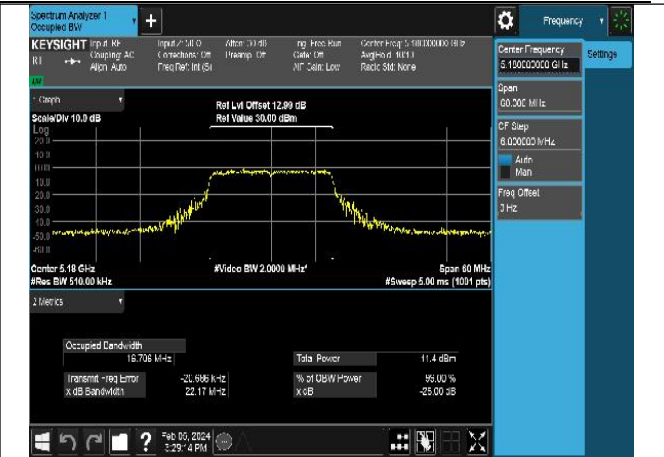


Mode:802.11ac VHT20 Frequency:5180MHz
Ant:Chain0

Mode:802.11ac VHT20 Frequency:5220MHz
Ant:Chain0



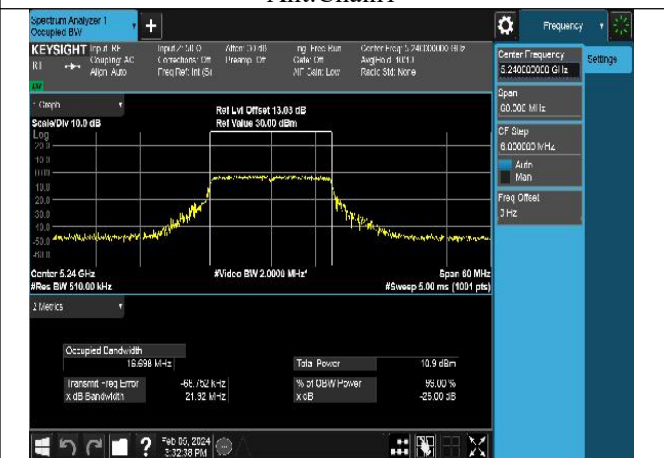
Mode:802.11ac VHT20 Frequency:5240MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5180MHz
Ant:Chain1

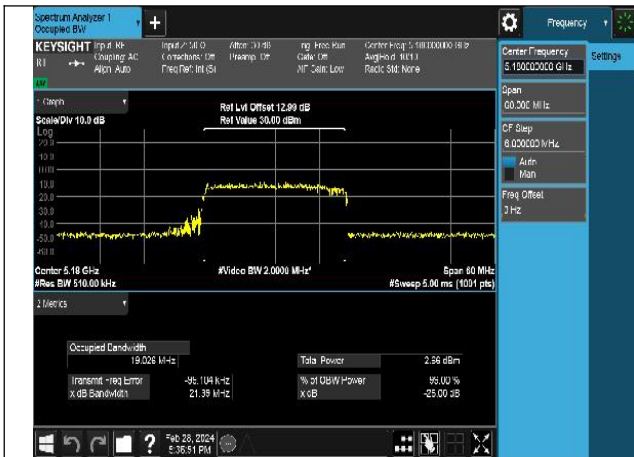


Mode:802.11ac VHT20 Frequency:5220MHz
Ant:Chain1

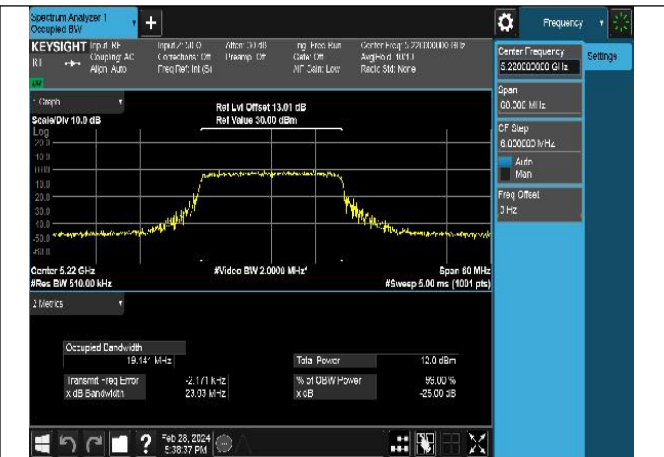


Mode:802.11ac VHT20 Frequency:5240MHz
Ant:Chain1

Test Mode: 802.11ax HE20



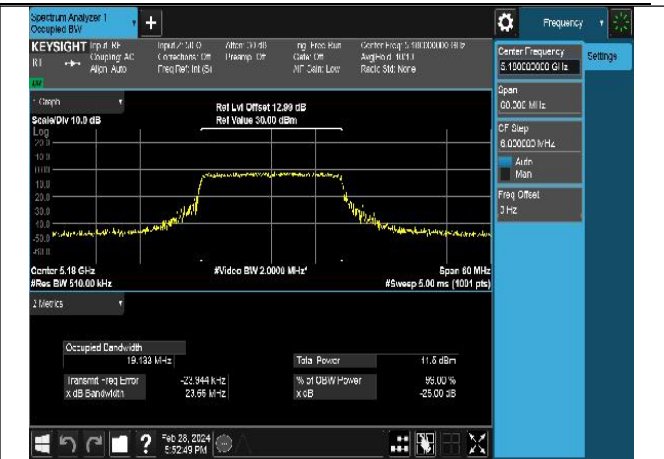
Mode:802.11ax HE20 Frequency:5180MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5220MHz Ant:Chain0



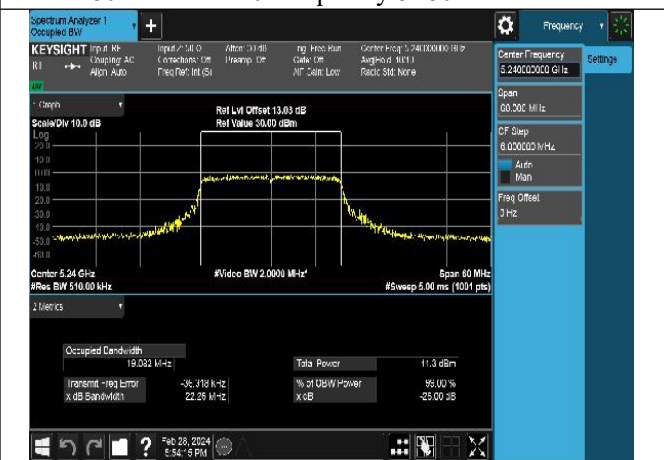
Mode:802.11ax HE20 Frequency:5240MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5180MHz Ant:Chain1

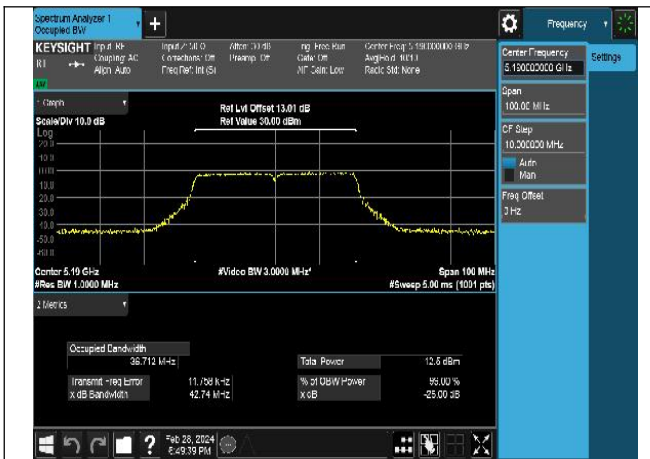


Mode:802.11ax HE20 Frequency:5220MHz Ant:Chain1

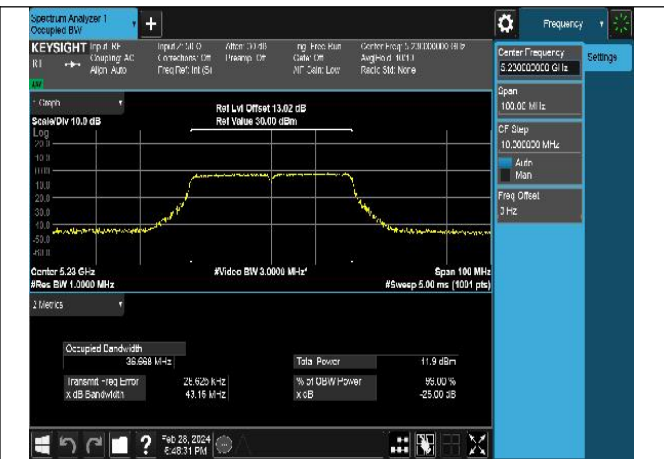


Mode:802.11ax HE20 Frequency:5240MHz Ant:Chain1

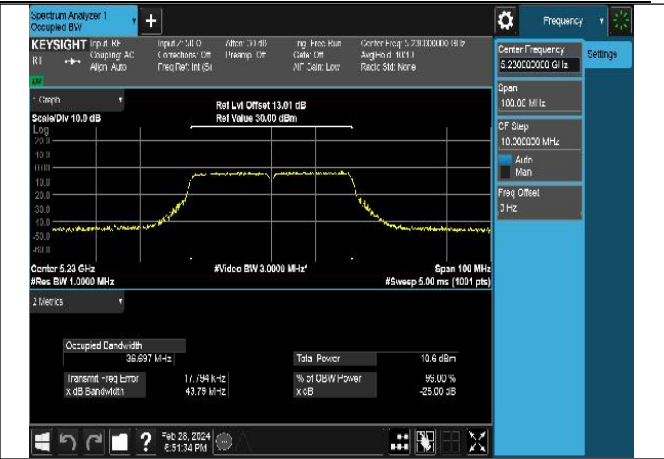
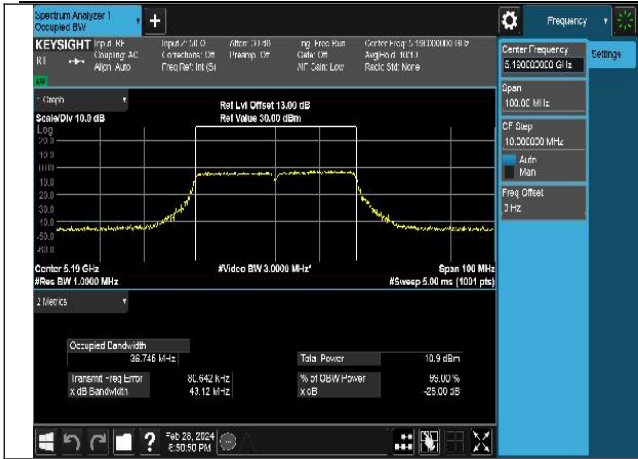
Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5190MHz Ant:Chain0



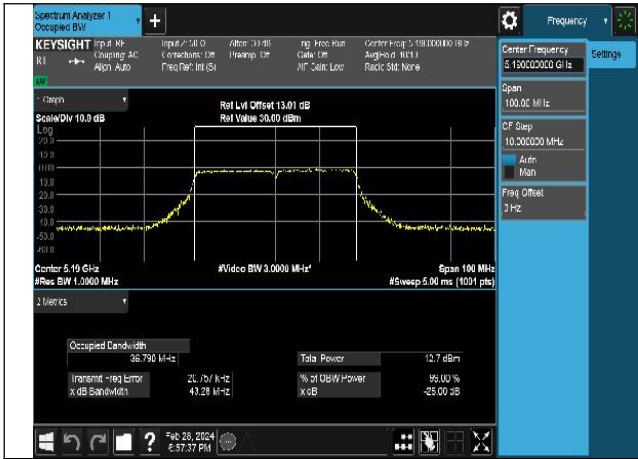
Mode:802.11n HT40 Frequency:5230MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5190MHz Ant:Chain1

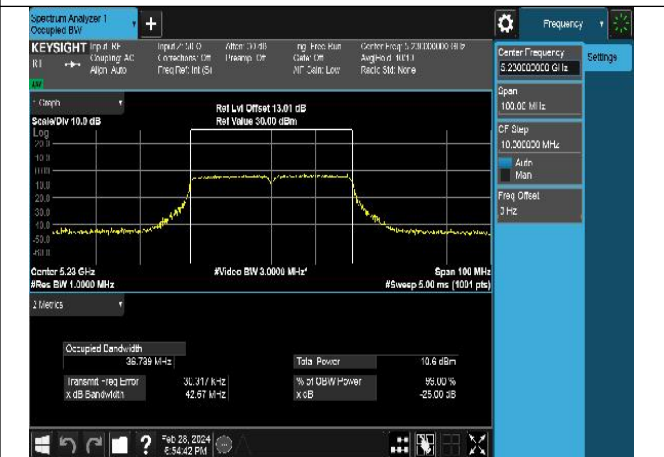
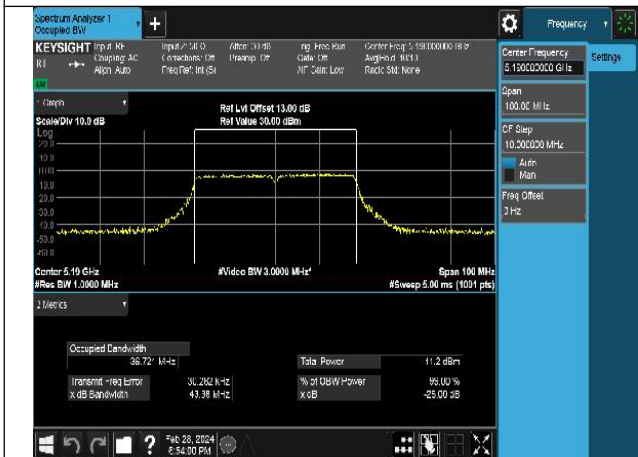
Mode:802.11n HT40 Frequency:5230MHz Ant:Chain1

Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5190MHz
Ant:Chain0

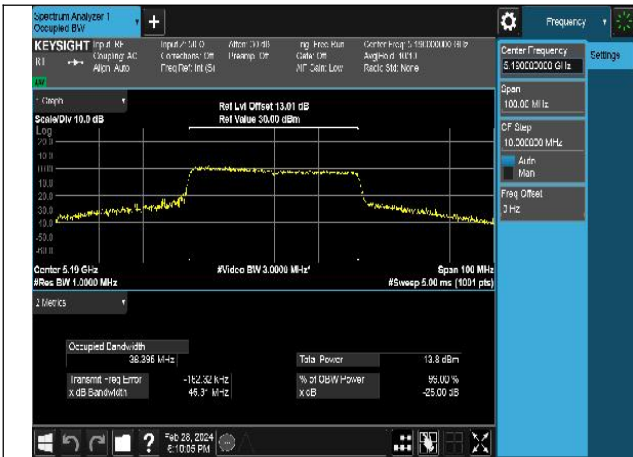
Mode:802.11ac VHT40 Frequency:5230MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5190MHz
Ant:Chain1

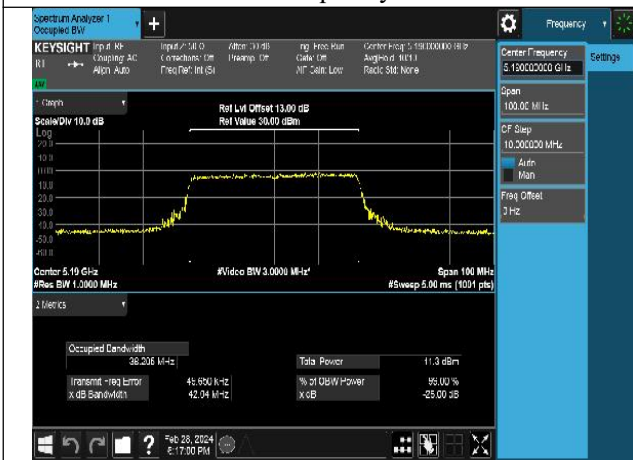
Mode:802.11ac VHT40 Frequency:5230MHz
Ant:Chain1

Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:5190MHz Ant:Chain0

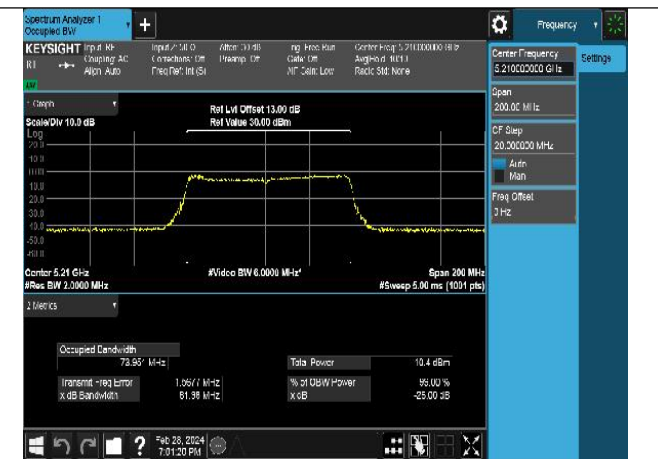
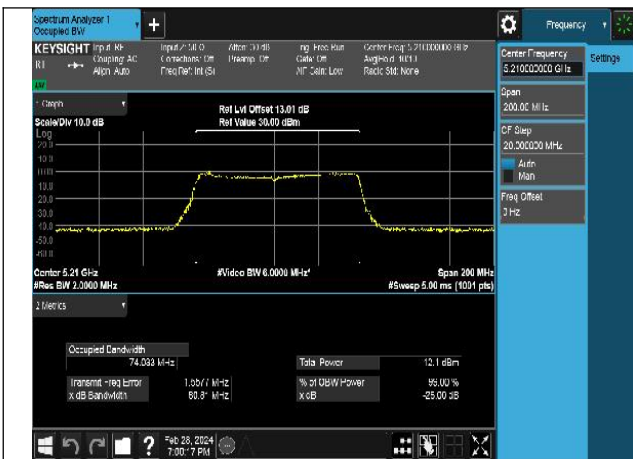
Mode:802.11ax HE40 Frequency:5230MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:5190MHz Ant:Chain1

Mode:802.11ax HE40 Frequency:5230MHz Ant:Chain1

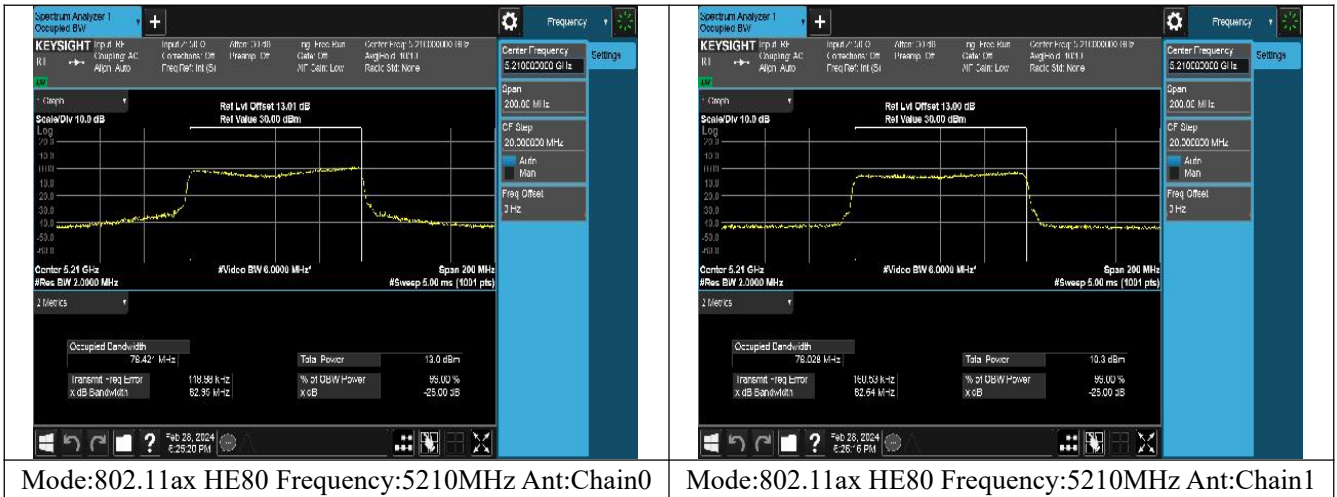
Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5210MHz
Ant:Chain0

Mode:802.11ac VHT80 Frequency:5210MHz
Ant:Chain1

Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Frequency:5210MHz Ant:Chain0

Mode:802.11ax HE80 Frequency:5210MHz Ant:Chain1

Occupied Bandwidth

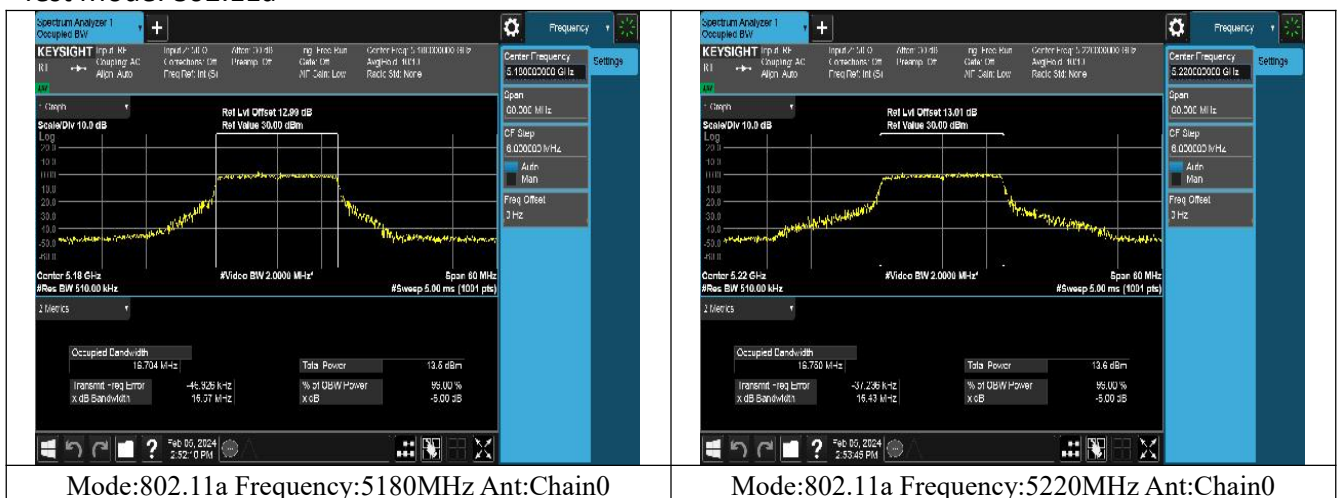
Offset 0dB = Attenuator + Temporary antenna connector loss + Cable loss

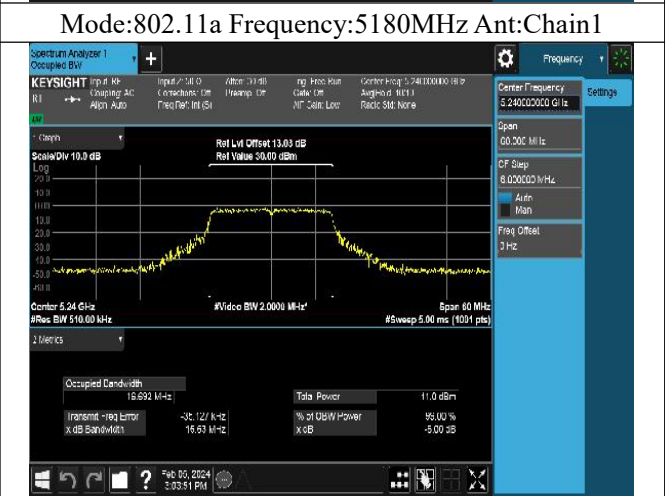
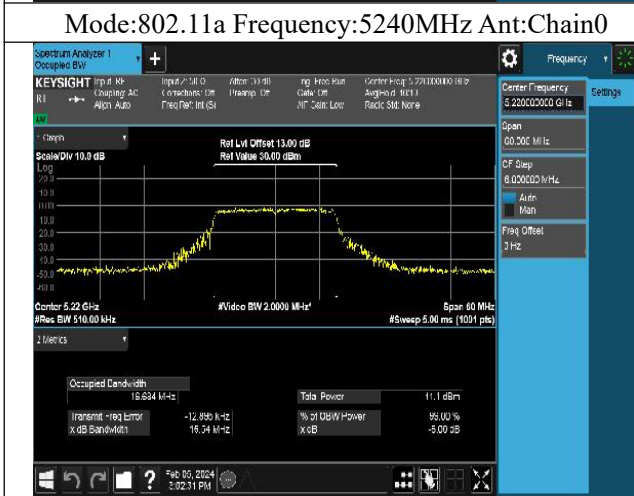
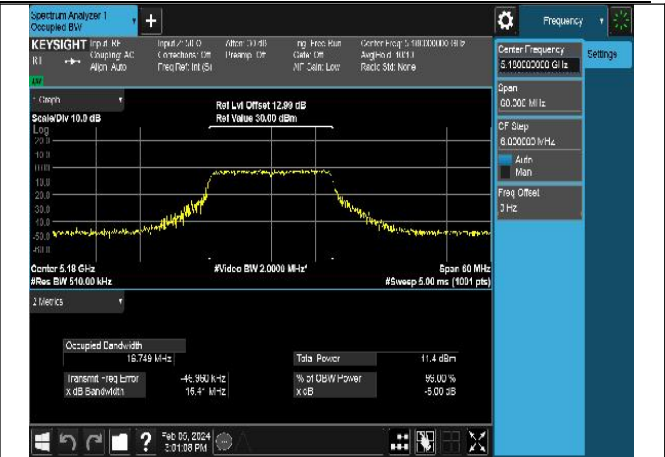
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5180MHz	5220MHz	5240MHz
802.11a	Chain0	16.704	16.750	16.727
802.11a	Chain1	16.749	16.684	16.692
802.11n HT20	Chain0	16.748	16.708	16.730
802.11n HT20	Chain1	16.654	16.710	16.676
802.11ac VHT20	Chain0	16.758	16.716	16.658
802.11ac VHT20	Chain1	16.738	16.691	16.711
802.11ax HE20	Chain0	19.133	19.064	19.157
802.11ax HE20	Chain1	19.102	19.079	19.174

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5190MHz	---	5230MHz
802.11n HT40	Chain0	36.690	---	36.683
802.11n HT40	Chain1	36.777	---	36.665
802.11ac VHT40	Chain0	36.750	---	36.669
802.11ac VHT40	Chain1	36.746	---	36.713
802.11ax HE40	Chain0	38.429	---	38.121
802.11ax HE40	Chain1	38.167	---	38.246

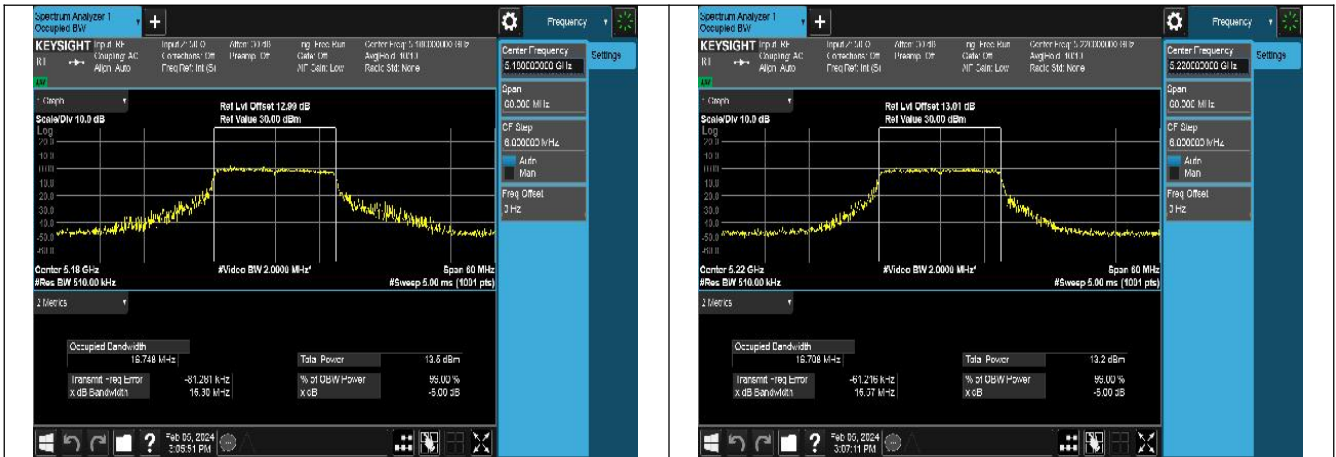
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5210MHz	---	---
802.11ac VHT80	Chain0	73.938	---	---
802.11ac VHT80	Chain1	73.906	---	---
802.11ax HE80	Chain0	78.514	---	---
802.11ax HE80	Chain1	78.051	---	---

Test Mode: 802.11a



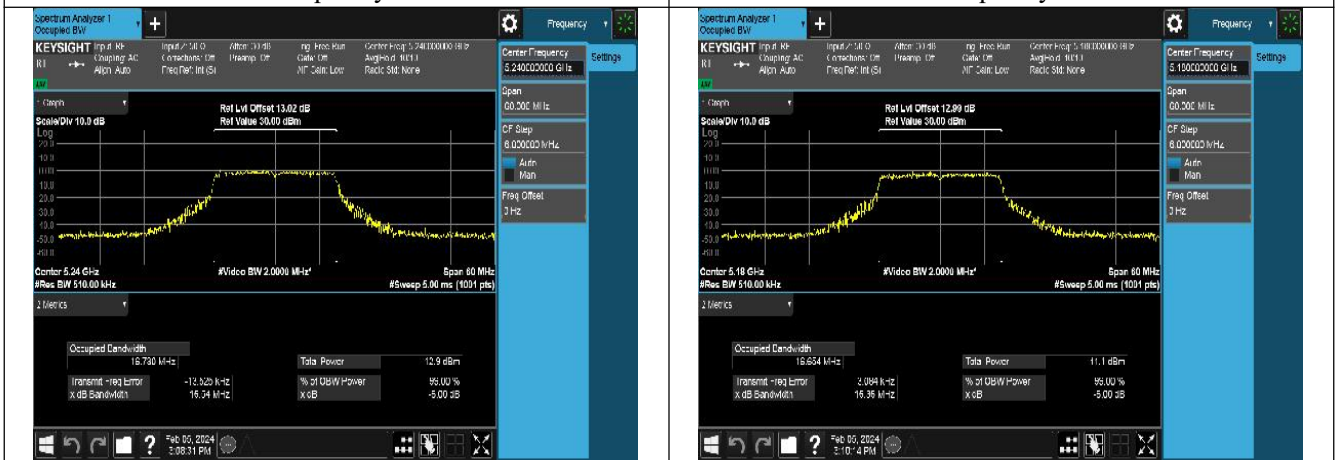


Test Mode: 802.11n HT20



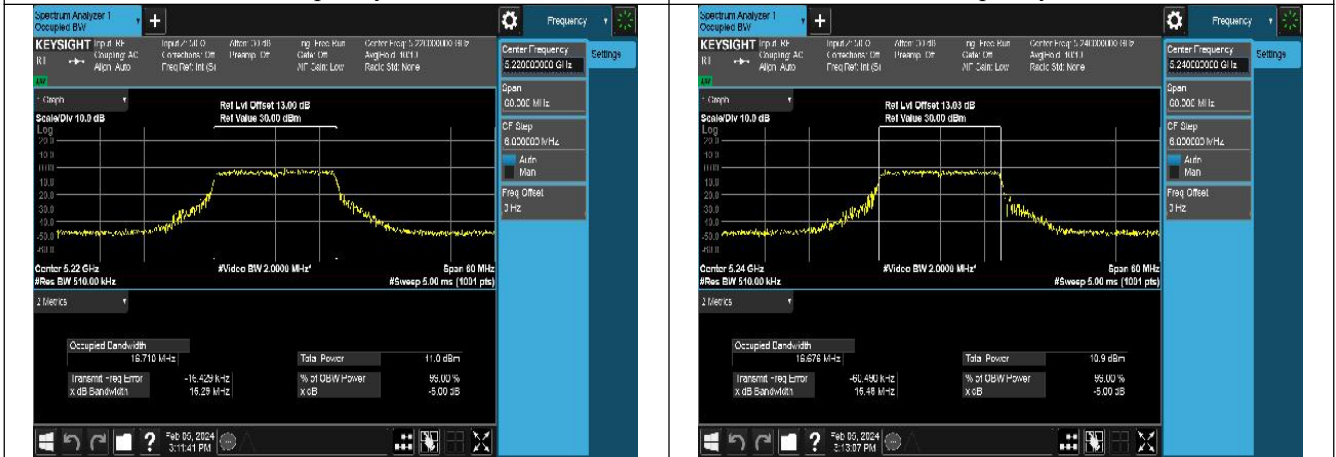
Mode:802.11n HT20 Frequency:5180MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5220MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5240MHz Ant:Chain0

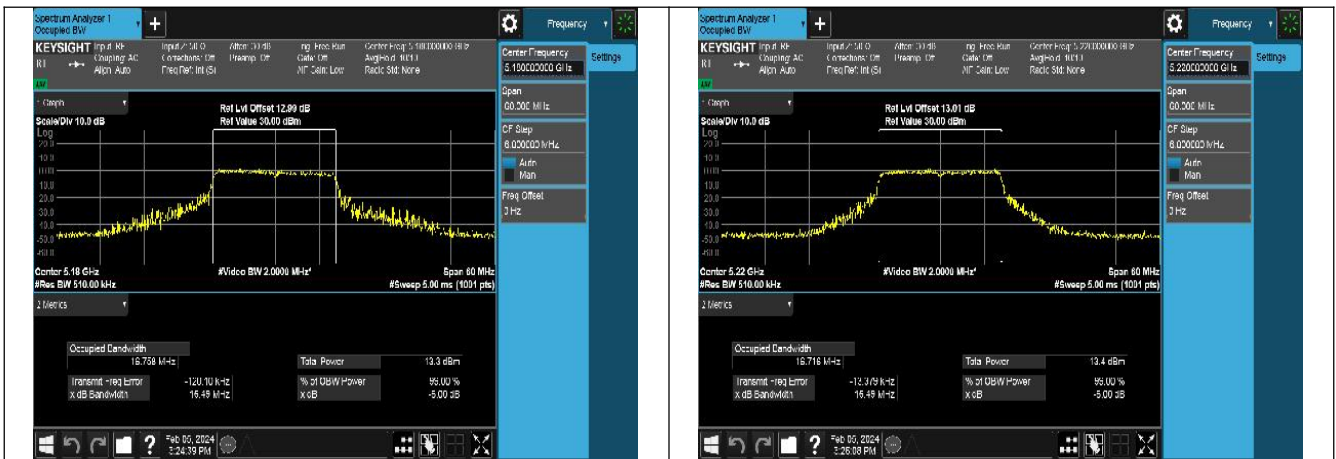
Mode:802.11n HT20 Frequency:5180MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5220MHz Ant:Chain1

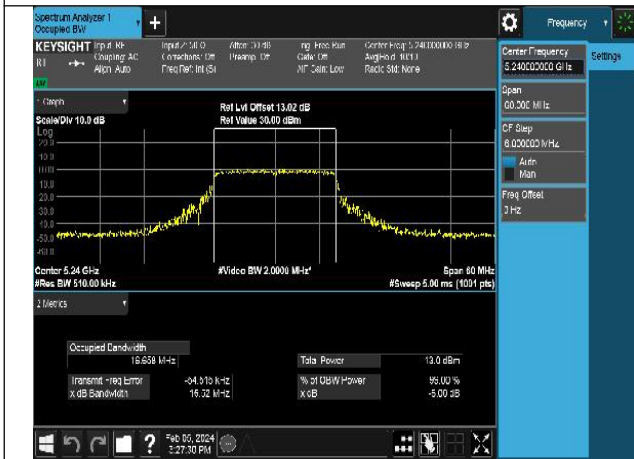
Mode:802.11n HT20 Frequency:5240MHz Ant:Chain1

Test Mode: 802.11ac VHT20

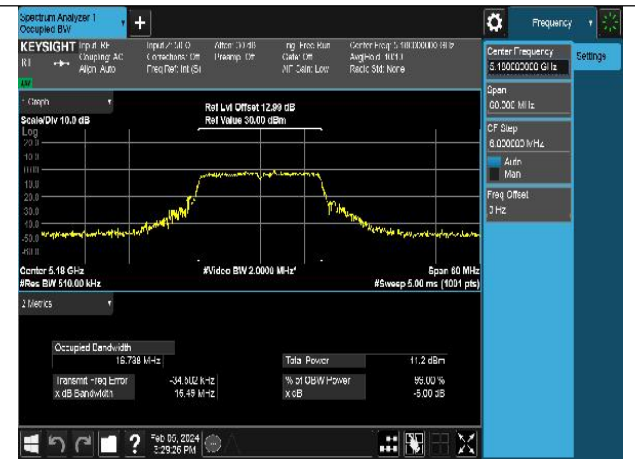


Mode:802.11ac VHT20 Frequency:5180MHz
Ant:Chain0

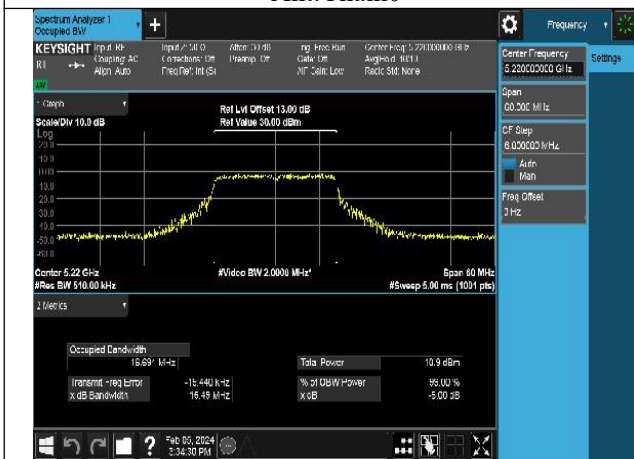
Mode:802.11ac VHT20 Frequency:5220MHz
Ant:Chain0



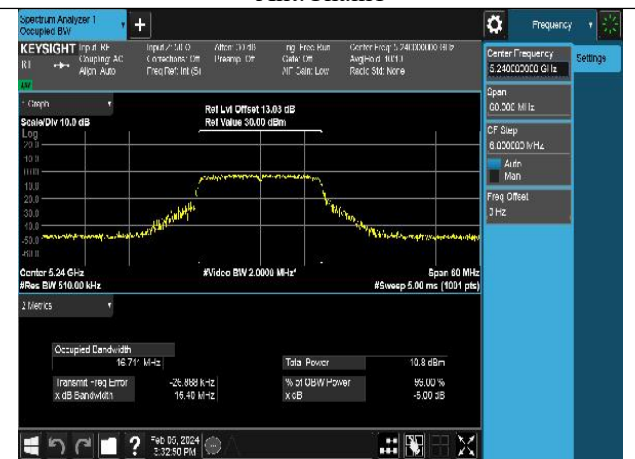
Mode:802.11ac VHT20 Frequency:5240MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5180MHz
Ant:Chain1

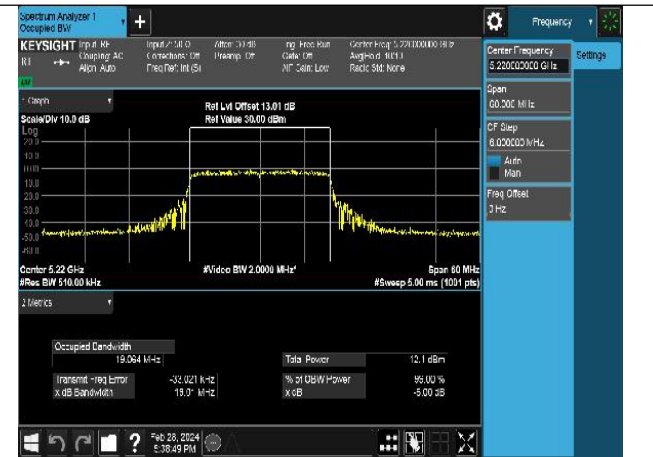


Mode:802.11ac VHT20 Frequency:5220MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5240MHz
Ant:Chain1

Test Mode: 802.11ax HE20



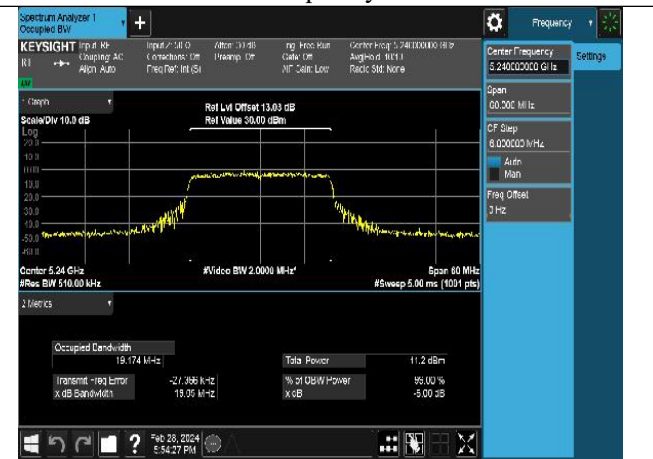
Mode:802.11ax HE20 Frequency:5180MHz Ant:Chain0

Mode:802.11ax HE20 Frequency:5220MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5240MHz Ant:Chain0

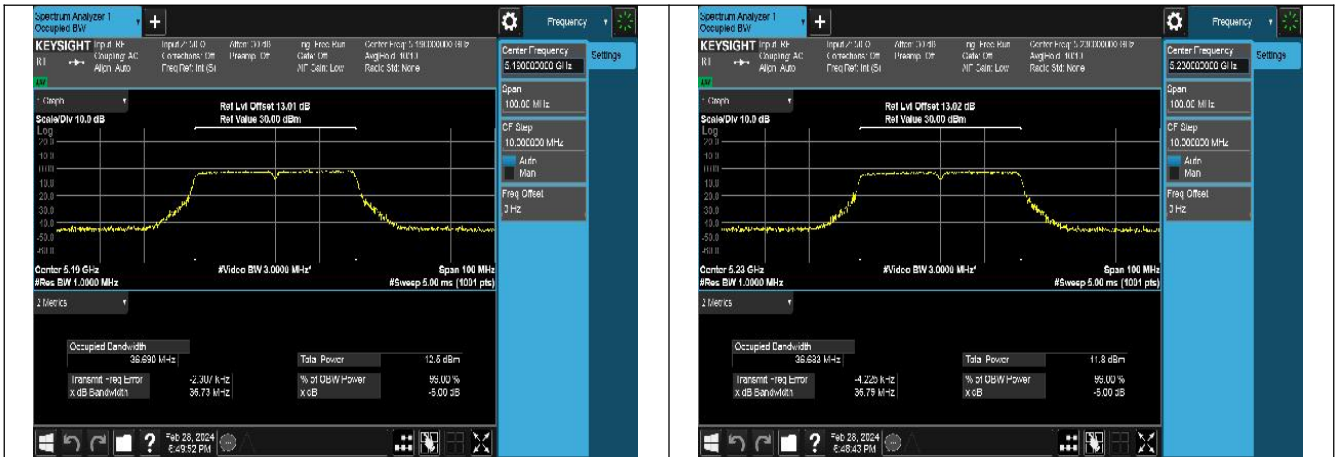
Mode:802.11ax HE20 Frequency:5180MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:5220MHz Ant:Chain1

Mode:802.11ax HE20 Frequency:5240MHz Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5190MHz Ant:Chain0

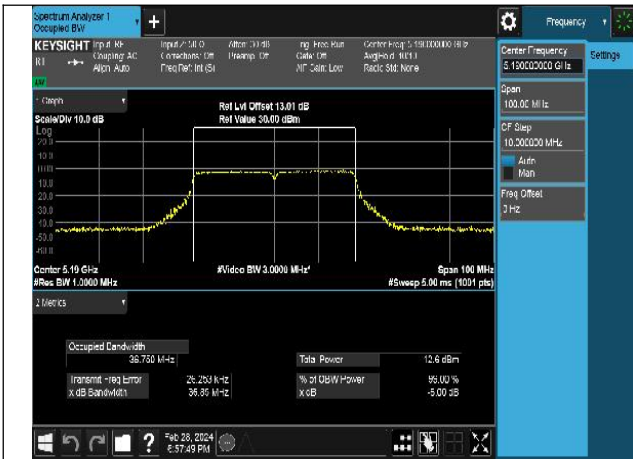
Mode:802.11n HT40 Frequency:5230MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5190MHz Ant:Chain1

Mode:802.11n HT40 Frequency:5230MHz Ant:Chain1

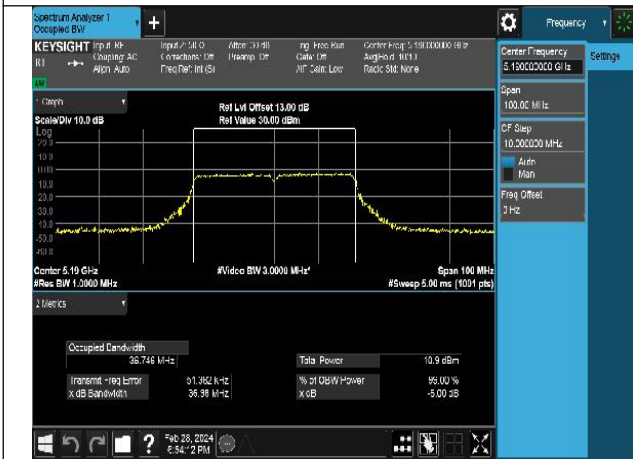
Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5190MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5230MHz
Ant:Chain0

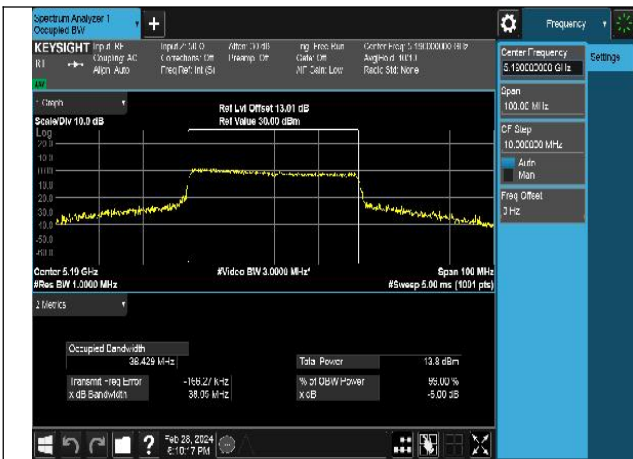


Mode:802.11ac VHT40 Frequency:5190MHz
Ant:Chain1

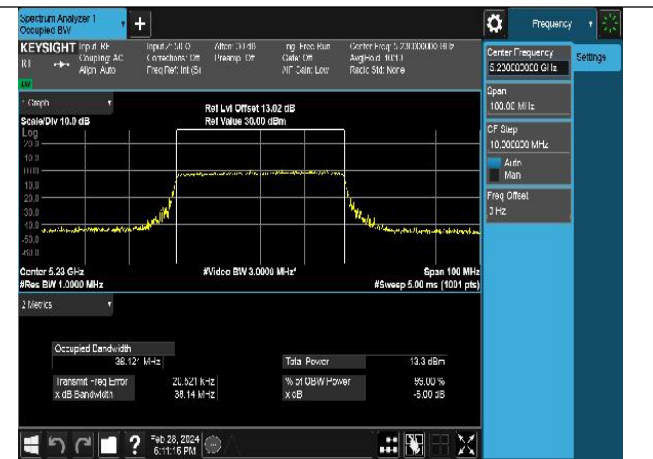


Mode:802.11ac VHT40 Frequency:5230MHz
Ant:Chain1

Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:5190MHz Ant:Chain0



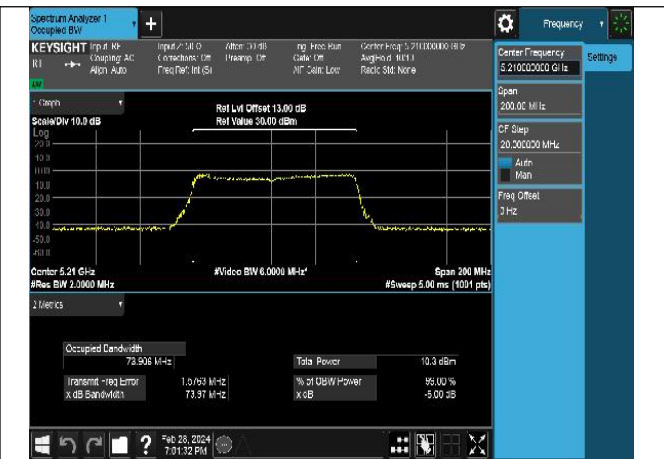
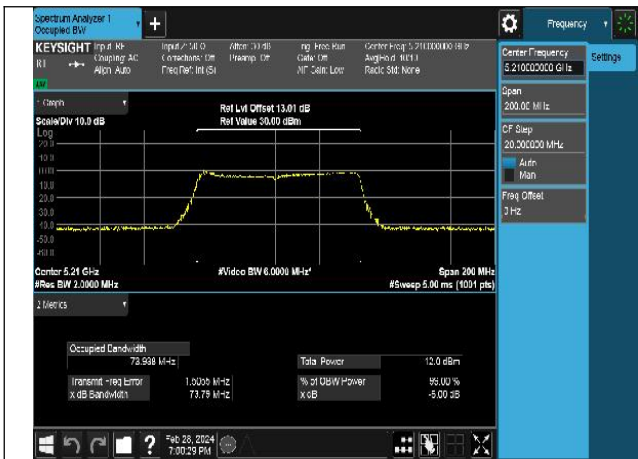
Mode:802.11ax HE40 Frequency:5230MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:5190MHz Ant:Chain1

Mode:802.11ax HE40 Frequency:5230MHz Ant:Chain1

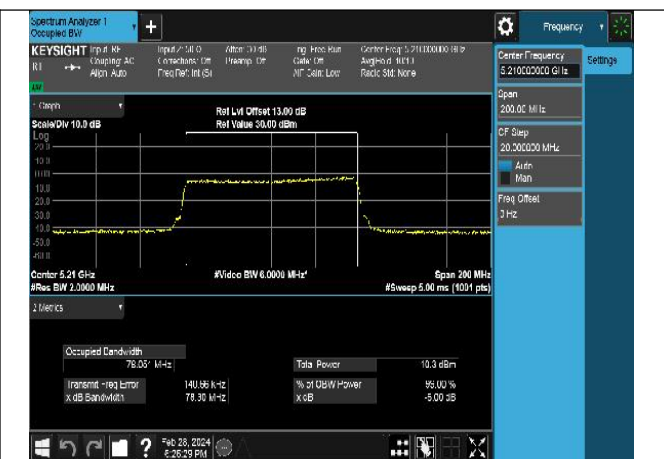
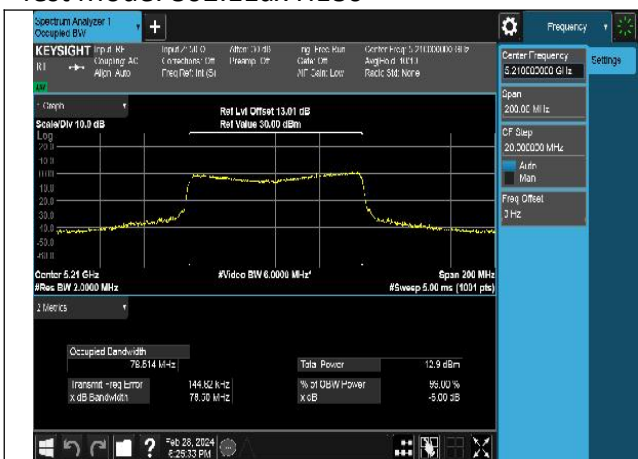
Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5210MHz
Ant:Chain0

Mode:802.11ac VHT80 Frequency:5210MHz
Ant:Chain1

Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Frequency:5210MHz Ant:Chain0

Mode:802.11ax HE80 Frequency:5210MHz Ant:Chain1

Transmitter Power Spectral Density

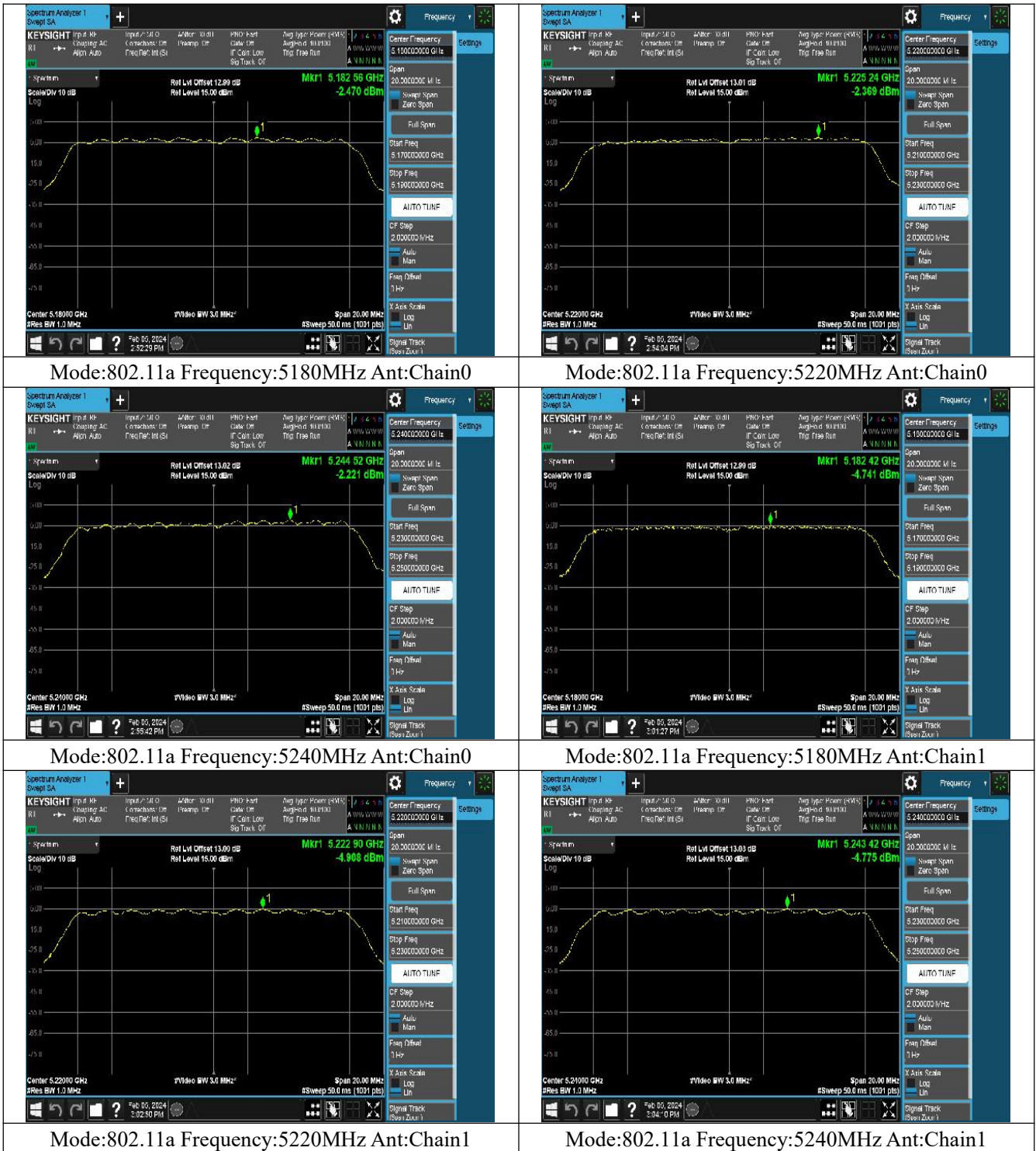
Offset 0dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Tones	5180MHz		5220MHz		5240MHz	
			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	-2.470	0.00	-2.369	0.00	-2.221
802.11a	Chain1	NA	0.00	-4.741	0.00	-4.908	0.00	-4.775
802.11n HT20	Chain0	NA	0.00	-2.325	0.00	-2.721	0.00	-2.553
802.11n HT20	Chain1	NA	0.00	-4.009	0.00	-5.084	0.00	-5.443
802.11n HT20	MIMO	NA	0.00	-0.076	0.00	-0.733	0.00	-0.752
802.11ac VHT20	Chain0	NA	0.00	-2.127	0.00	-3.129	0.00	-2.844
802.11ac VHT20	Chain1	NA	0.00	-4.530	0.00	-4.774	0.00	-5.034
802.11ac VHT20	MIMO	NA	0.00	-0.154	0.00	-0.864	0.00	-0.792
802.11ax HE20	Chain0	26T	0.00	6.689	0.00	5.739	0.00	5.750
802.11ax HE20	Chain1	26T	0.00	5.756	0.00	4.601	0.00	4.904
802.11ax HE20	MIMO	26T	0.00	9.258	0.00	8.217	0.00	8.358
802.11ax HE20	Chain0	52T	0.00	3.518	0.00	3.326	0.00	2.788
802.11ax HE20	Chain1	52T	0.00	2.323	0.00	2.068	0.00	2.926
802.11ax HE20	MIMO	52T	0.00	5.972	0.00	5.753	0.00	5.868
802.11ax HE20	Chain0	106T	0.00	0.231	0.00	-0.610	0.00	-0.587
802.11ax HE20	Chain1	106T	0.00	-1.207	0.00	-1.656	0.00	-1.389
802.11ax HE20	MIMO	106T	0.00	2.582	0.00	1.909	0.00	2.041
802.11ax HE20	Chain0	242T	0.00	-3.833	0.00	-2.918	0.00	-3.132
802.11ax HE20	Chain1	242T	0.00	-4.198	0.00	-3.885	0.00	-3.549
802.11ax HE20	MIMO	242T	0.00	-1.001	0.00	-0.364	0.00	-0.325

Test Mode	Antenna	Tones	5190MHz		---		5230MHz	
			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	-6.762	---	---	0.00	-8.189
802.11n HT40	Chain1	NA	0.00	-10.104	---	---	0.00	-10.414
802.11n HT40	MIMO	NA	0.00	-5.109	---	---	0.00	-6.150
802.11ac VHT40	Chain0	NA	0.00	-6.826	---	---	0.00	-8.014
802.11ac VHT40	Chain1	NA	0.00	-9.923	---	---	0.00	-10.934
802.11ac VHT40	MIMO	NA	0.00	-5.094	---	---	0.00	-6.223
802.11ax HE40	Chain0	26T	0.00	6.901	---	---	0.00	6.544
802.11ax HE40	Chain1	26T	0.00	5.130	---	---	0.00	5.288
802.11ax HE40	MIMO	26T	0.00	9.115	---	---	0.00	8.972
802.11ax HE40	Chain0	52T	0.00	5.543	---	---	0.00	3.804
802.11ax HE40	Chain1	52T	0.00	3.025	---	---	0.00	2.556
802.11ax HE40	MIMO	52T	0.00	7.474	---	---	0.00	6.235
802.11ax HE40	Chain0	106T	0.00	0.436	---	---	0.00	-0.182
802.11ax HE40	Chain1	106T	0.00	-1.602	---	---	0.00	-1.777
802.11ax HE40	MIMO	106T	0.00	2.546	---	---	0.00	2.104
802.11ax HE40	Chain0	242T	0.00	-4.344	---	---	0.00	-5.266
802.11ax HE40	Chain1	242T	0.00	-5.900	---	---	0.00	-6.562
802.11ax HE40	MIMO	242T	0.00	-2.042	---	---	0.00	-2.856
802.11ax HE40	Chain0	484T	0.00	-11.381	---	---	0.00	-11.344
802.11ax HE40	Chain1	484T	0.00	-11.684	---	---	0.00	-11.429
802.11ax HE40	MIMO	484T	0.00	-8.520	---	---	0.00	-8.376

Test Mode	Antenna	Tones	5210MHz		---		---	
			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	-10.163	---	---	---	---
802.11ac VHT80	Chain1	NA	0.00	-14.777	---	---	---	---
802.11ac VHT80	MIMO	NA	0.00	-8.874	---	---	---	---
802.11ax HE80	Chain0	26T	0.00	9.422	---	---	---	---
802.11ax HE80	Chain1	26T	0.00	5.111	---	---	---	---
802.11ax HE80	MIMO	26T	0.00	10.791	---	---	---	---
802.11ax HE80	Chain0	52T	0.00	5.247	---	---	---	---
802.11ax HE80	Chain1	52T	0.00	3.105	---	---	---	---
802.11ax HE80	MIMO	52T	0.00	7.317	---	---	---	---
802.11ax HE80	Chain0	106T	0.00	2.295	---	---	---	---
802.11ax HE80	Chain1	106T	0.00	-1.979	---	---	---	---
802.11ax HE80	MIMO	106T	0.00	3.674	---	---	---	---
802.11ax HE80	Chain0	242T	0.00	-3.080	---	---	---	---
802.11ax HE80	Chain1	242T	0.00	-6.726	---	---	---	---
802.11ax HE80	MIMO	242T	0.00	-1.521	---	---	---	---
802.11ax HE80	Chain0	484T	0.00	-10.578	---	---	---	---
802.11ax HE80	Chain1	484T	0.00	-14.858	---	---	---	---
802.11ax HE80	MIMO	484T	0.00	-9.201	---	---	---	---
802.11ax HE80	Chain0	996T	0.00	-12.681	---	---	---	---
802.11ax HE80	Chain1	996T	0.00	-14.238	---	---	---	---
802.11ax HE80	MIMO	996T	0.00	-10.380	---	---	---	---

Test Mode: 802.11a



Test Mode: 802.11n HT20



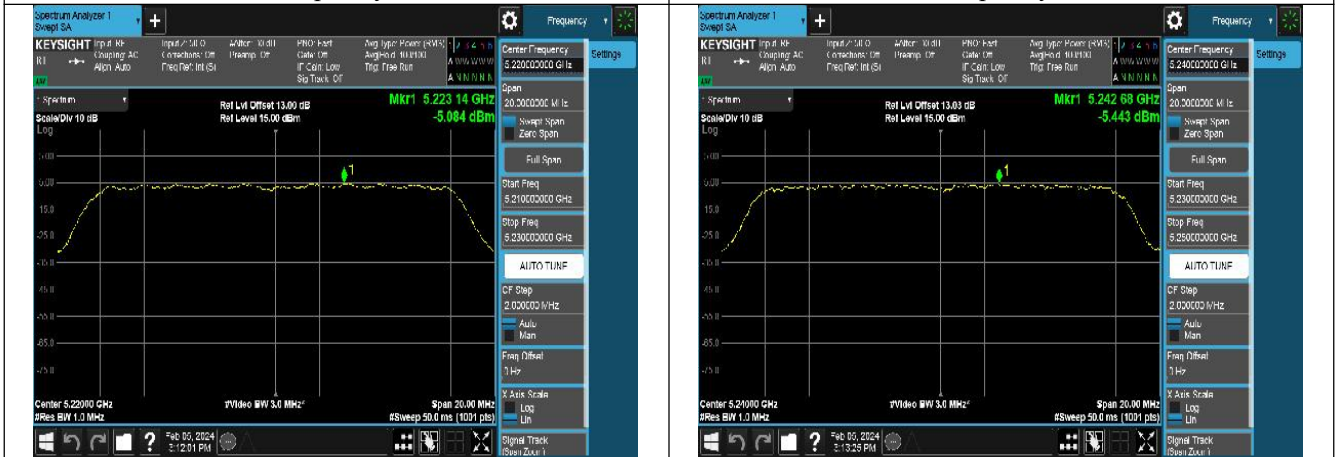
Mode:802.11n HT20 Frequency:5180MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5220MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5240MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5180MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5220MHz Ant:Chain1

Mode:802.11n HT20 Frequency:5240MHz Ant:Chain1

Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5180MHz
Ant:Chain0

Mode:802.11ac VHT20 Frequency:5220MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5240MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5180MHz
Ant:Chain1



Mode:802.11ac VHT20 Frequency:5220MHz
Ant:Chain1

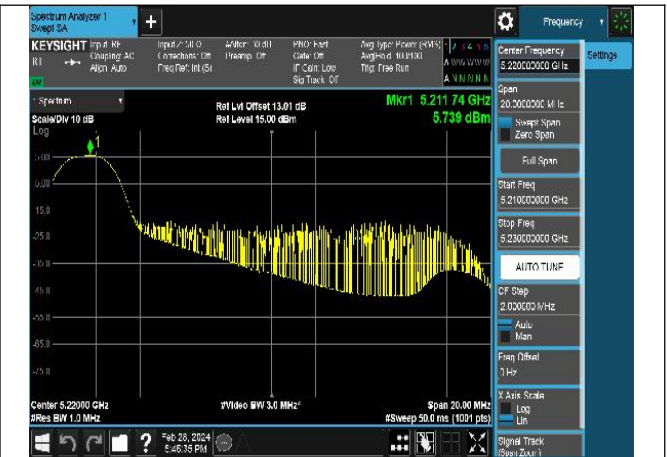


Mode:802.11ac VHT20 Frequency:5240MHz
Ant:Chain1

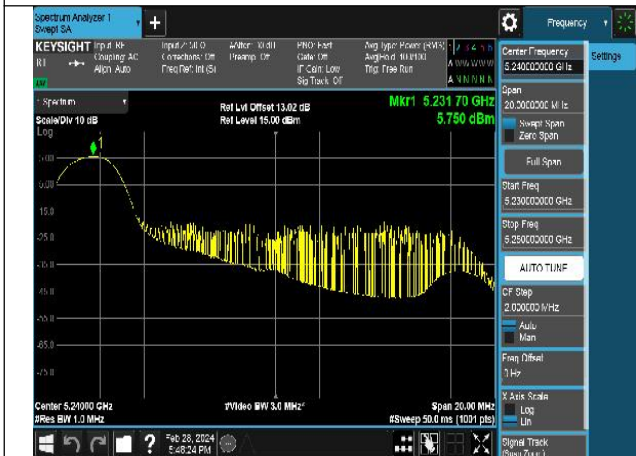
Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Tone:26T Frequency:5180MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:5220MHz
Ant:Chain0



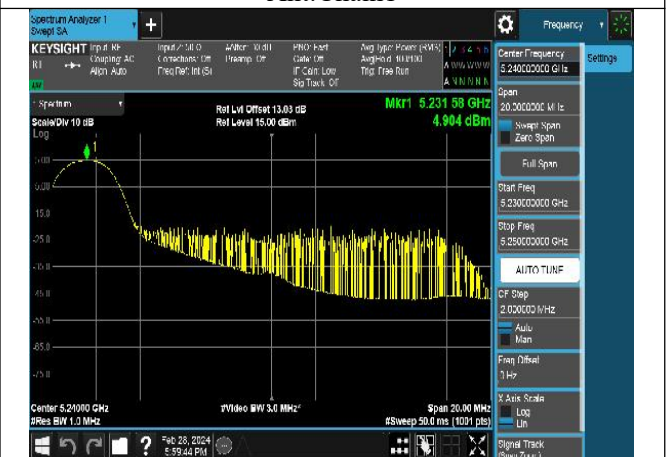
Mode:802.11ax HE20 Tone:26T Frequency:5240MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:5180MHz
Ant:Chain1



Mode:802.11ax HE20 Tone:26T Frequency:5220MHz
Ant:Chain1



Mode:802.11ax HE20 Tone:26T Frequency:5240MHz
Ant:Chain1