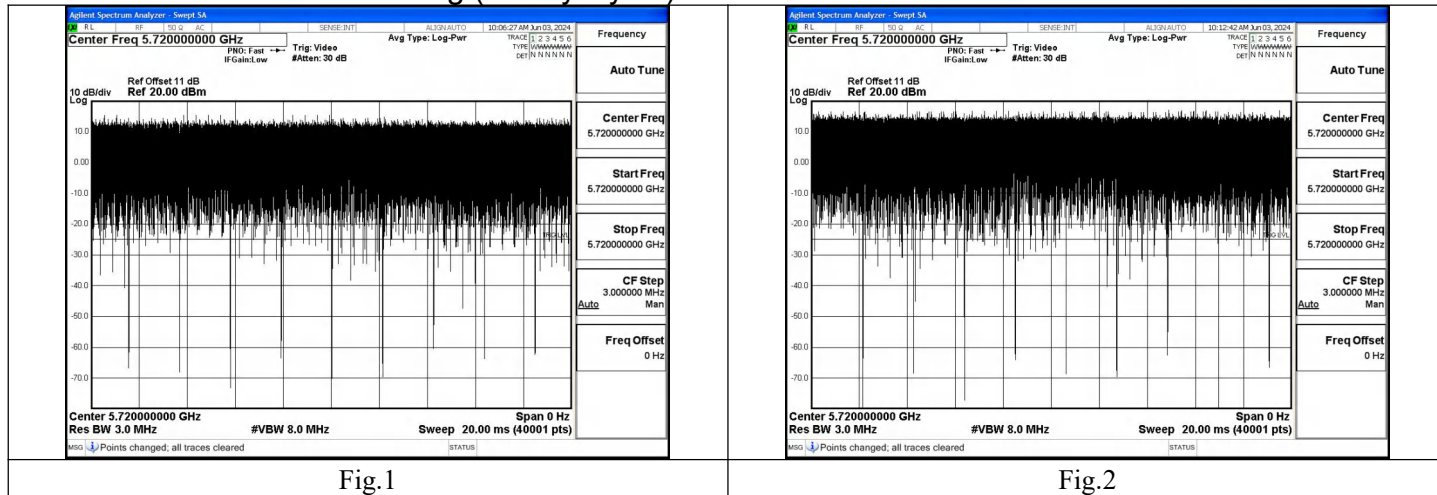


APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Antenna	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	Chain0	5720	99.91%	0	Fig.1
802.11a	Chain1	5720	99.86%	0	Fig.2
802.11n HT20	Chain0	5720	99.94%	0	Fig.3
802.11n HT20	Chain1	5720	99.96%	0	Fig.4
802.11ac VHT20	Chain0	5720	99.94%	0	Fig.5
802.11ac VHT20	Chain1	5720	99.94%	0	Fig.6
802.11ax HE20	Chain0	5720	99.94%	0	Fig.7
802.11ax HE20	Chain1	5720	99.95%	0	Fig.8
802.11n HT40	Chain0	5710	99.94%	0	Fig.9
802.11n HT40	Chain1	5710	99.94%	0	Fig.10
802.11ac VHT40	Chain0	5710	99.94%	0	Fig.11
802.11ac VHT40	Chain1	5710	99.94%	0	Fig.12
802.11ax HE40	Chain0	5710	99.95%	0	Fig.13
802.11ax HE40	Chain1	5710	99.95%	0	Fig.14
802.11ac VHT80	Chain0	5690	99.96%	0	Fig.15
802.11ac VHT80	Chain1	5690	99.96%	0	Fig.16
802.11ax HE80	Chain0	5690	99.95%	0	Fig.17
802.11ax HE80	Chain1	5690	99.94%	0	Fig.18

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



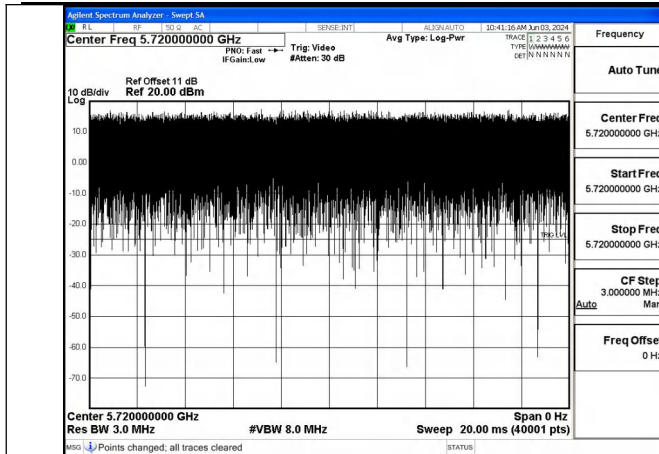


Fig.3

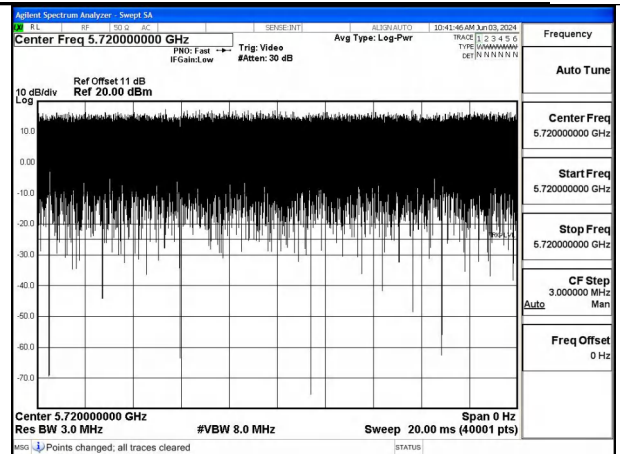


Fig.4

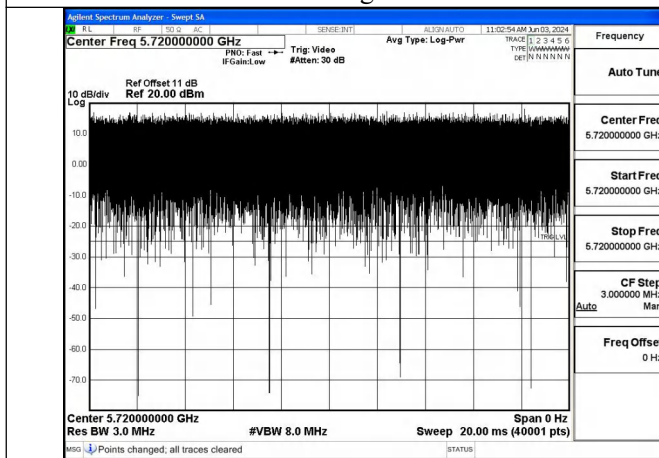


Fig.5

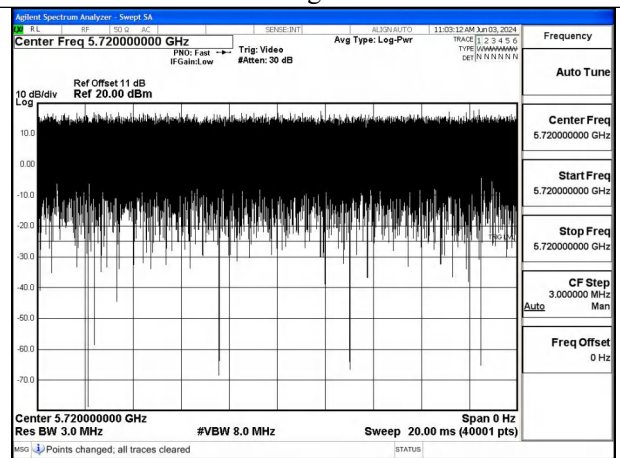


Fig.6

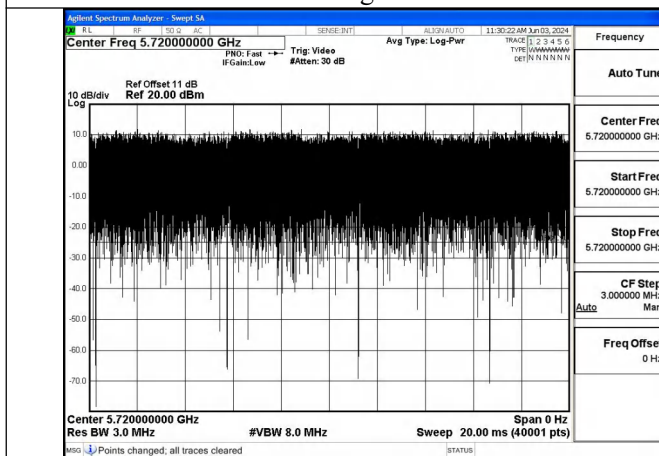


Fig.7

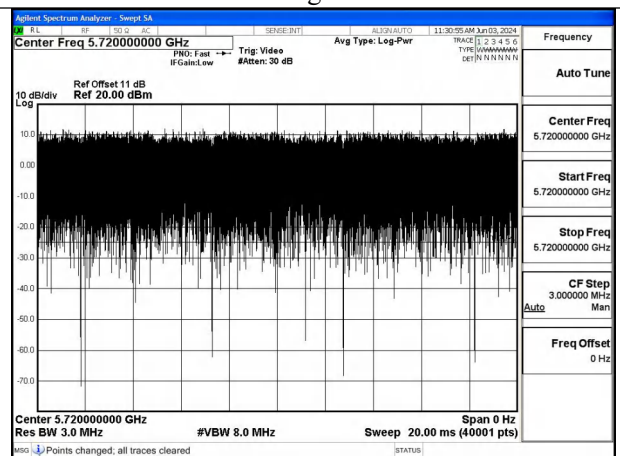


Fig.8

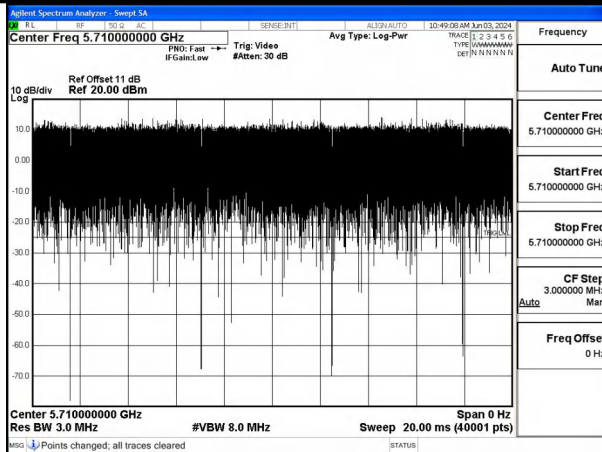


Fig.9

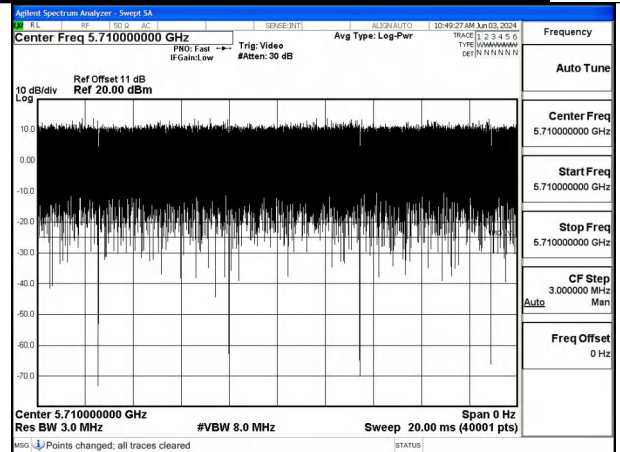


Fig.10

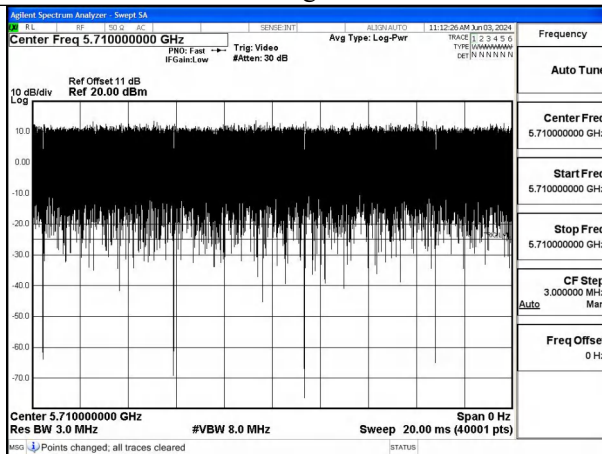


Fig.11

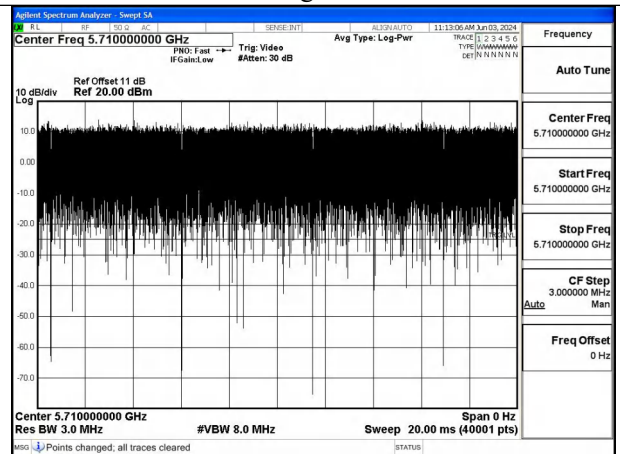


Fig.12

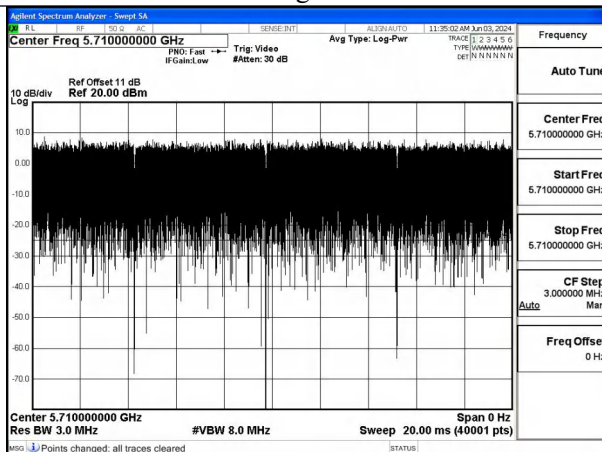


Fig.13

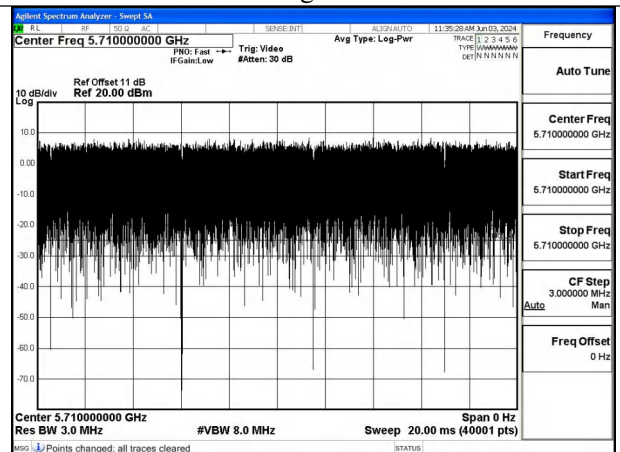


Fig.14

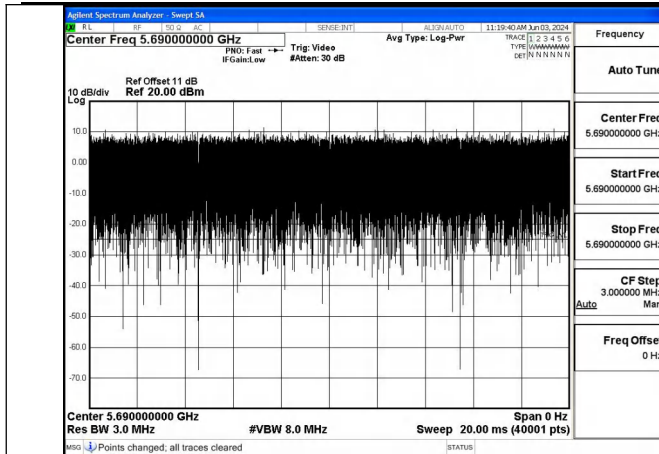


Fig.15

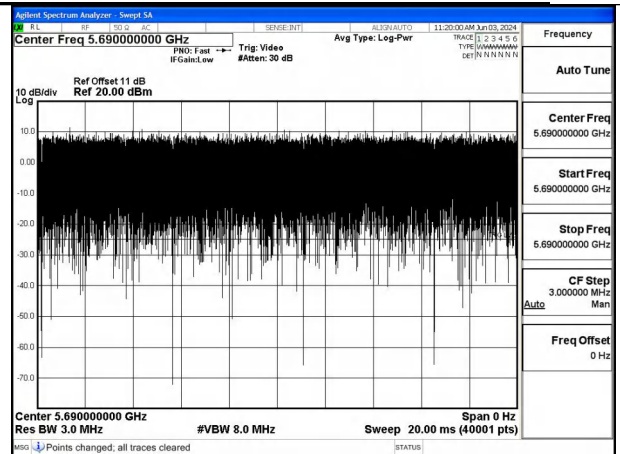


Fig.16

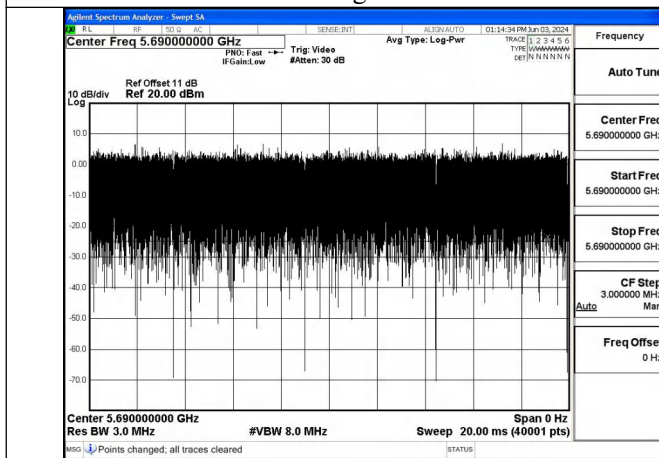


Fig.17

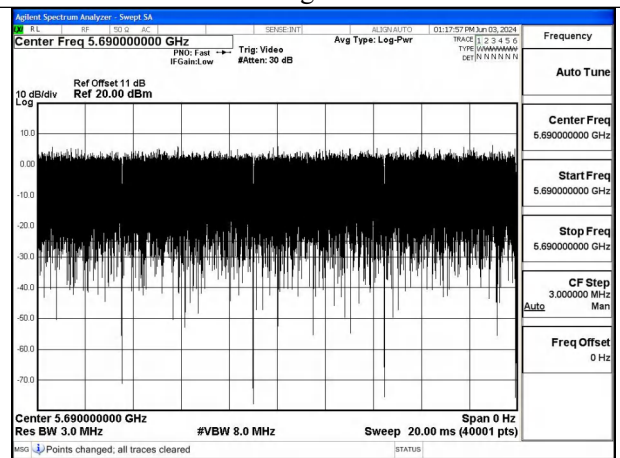


Fig.18

Output Power

NII2C

Title	Test Mode	Tones/ RU Index	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII2C	802.11a	NA	5720	Chain0	13.85	17.17
NII2C	802.11a	NA	5720	Chain1	13.82	17.14
NII2C	802.11n HT20	NA	5720	Chain0	13.75	17.07
NII2C	802.11n HT20	NA	5720	Chain1	13.74	17.06
NII2C	802.11n HT20	NA	5720	MIMO	16.76	20.08
NII2C	802.11ac VHT20	NA	5720	Chain0	13.65	16.97
NII2C	802.11ac VHT20	NA	5720	Chain1	13.69	17.01
NII2C	802.11ac VHT20	NA	5720	MIMO	16.68	20.00
NII2C	802.11n HT40	NA	5710	Chain0	14.43	17.75
NII2C	802.11n HT40	NA	5710	Chain1	14.45	17.77
NII2C	802.11n HT40	NA	5710	MIMO	17.45	20.77
NII2C	802.11ac VHT40	NA	5710	Chain0	14.45	17.77
NII2C	802.11ac VHT40	NA	5710	Chain1	14.44	17.76
NII2C	802.11ac VHT40	NA	5710	MIMO	17.46	20.78
NII2C	802.11ac VHT80	NA	5690	Chain0	14.56	17.88
NII2C	802.11ac VHT80	NA	5690	Chain1	14.53	17.85
NII2C	802.11ac VHT80	NA	5690	MIMO	17.56	20.88

Title	Test Mode	Tones/ RU Index	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII2C	802.11ax HE20	106T 53L	5720	Chain0	9.66	12.98
NII2C	802.11ax HE20	106T 54L	5720	Chain0	9.65	12.97
NII2C	802.11ax HE20	242T 61L	5720	Chain0	8.57	11.89
NII2C	802.11ax HE20	26T 0L	5720	Chain0	9.70	13.02
NII2C	802.11ax HE20	26T 4L	5720	Chain0	9.61	12.93
NII2C	802.11ax HE20	26T 8L	5720	Chain0	9.46	12.78
NII2C	802.11ax HE20	52T 37L	5720	Chain0	9.57	12.89

NII2C	802.11ax HE20	52T 39L	5720	Chain0	9.56	12.88
NII2C	802.11ax HE20	52T 40L	5720	Chain0	9.58	12.90
NII2C	802.11ax HE20	106T 53L	5720	Chain1	9.66	12.98
NII2C	802.11ax HE20	106T 54L	5720	Chain1	9.65	12.97
NII2C	802.11ax HE20	242T 61L	5720	Chain1	8.54	11.86
NII2C	802.11ax HE20	26T 0L	5720	Chain1	9.48	12.80
NII2C	802.11ax HE20	26T 4L	5720	Chain1	9.36	12.68
NII2C	802.11ax HE20	26T 8L	5720	Chain1	9.43	12.75
NII2C	802.11ax HE20	52T 37L	5720	Chain1	9.53	12.85
NII2C	802.11ax HE20	52T 39L	5720	Chain1	9.58	12.90
NII2C	802.11ax HE20	52T 40L	5720	Chain1	9.51	12.83
NII2C	802.11ax HE20	52T 40L	5720	MIMO	12.56	15.88
NII2C	802.11ax HE40	106T 53L	5710	Chain0	9.91	13.23
NII2C	802.11ax HE40	106T 55L	5710	Chain0	9.89	13.21
NII2C	802.11ax HE40	106T 56L	5710	Chain0	9.93	13.25
NII2C	802.11ax HE40	242T 61L	5710	Chain0	9.95	13.27
NII2C	802.11ax HE40	242T 62L	5710	Chain0	9.95	13.27
NII2C	802.11ax HE40	26T 0L	5710	Chain0	9.39	12.71
NII2C	802.11ax HE40	26T 10L	5710	Chain0	9.57	12.89
NII2C	802.11ax HE40	26T 17L	5710	Chain0	9.58	12.90
NII2C	802.11ax HE40	484T 65L	5710	Chain0	9.54	12.86
NII2C	802.11ax HE40	52T 37L	5710	Chain0	9.81	13.13
NII2C	802.11ax HE40	52T 41L	5710	Chain0	9.76	13.08
NII2C	802.11ax HE40	52T 44L	5710	Chain0	9.78	13.10
NII2C	802.11ax HE40	106T 53L	5710	Chain1	9.93	13.25
NII2C	802.11ax HE40	106T 55L	5710	Chain1	9.83	13.15
NII2C	802.11ax HE40	106T 56L	5710	Chain1	9.98	13.30
NII2C	802.11ax HE40	242T 61L	5710	Chain1	10.04	13.36
NII2C	802.11ax HE40	242T 62L	5710	Chain1	9.99	13.31

NII2C	802.11ax HE40	26T 0L	5710	Chain1	9.58	12.90
NII2C	802.11ax HE40	26T 10L	5710	Chain1	9.59	12.91
NII2C	802.11ax HE40	26T 17L	5710	Chain1	9.57	12.89
NII2C	802.11ax HE40	484T 65L	5710	Chain1	9.55	12.87
NII2C	802.11ax HE40	52T 37L	5710	Chain1	9.80	13.12
NII2C	802.11ax HE40	52T 41L	5710	Chain1	9.91	13.23
NII2C	802.11ax HE40	52T 44L	5710	Chain1	9.86	13.18
NII2C	802.11ax HE40	52T 44L	5710	MIMO	12.83	16.15
NII2C	802.11ax HE80	106T 53L	5690	Chain0	10.11	13.43
NII2C	802.11ax HE80	106T 57L	5690	Chain0	9.91	13.23
NII2C	802.11ax HE80	106T 60L	5690	Chain0	9.92	13.24
NII2C	802.11ax HE80	242T 61L	5690	Chain0	10.08	13.40
NII2C	802.11ax HE80	242T 63L	5690	Chain0	10.07	13.39
NII2C	802.11ax HE80	242T 64L	5690	Chain0	10.04	13.36
NII2C	802.11ax HE80	26T 0L	5690	Chain0	10.15	13.47
NII2C	802.11ax HE80	26T 18L	5690	Chain0	9.76	13.08
NII2C	802.11ax HE80	26T 36L	5690	Chain0	10.04	13.36
NII2C	802.11ax HE80	484T 65L	5690	Chain0	9.97	13.29
NII2C	802.11ax HE80	484T 66L	5690	Chain0	10.09	13.41
NII2C	802.11ax HE80	52T 37L	5690	Chain0	9.99	13.31
NII2C	802.11ax HE80	52T 45L	5690	Chain0	9.90	13.22
NII2C	802.11ax HE80	52T 52L	5690	Chain0	9.95	13.27
NII2C	802.11ax HE80	996T 67L	5690	Chain0	9.78	13.10
NII2C	802.11ax HE80	106T 53L	5690	Chain1	9.92	13.24
NII2C	802.11ax HE80	106T 57L	5690	Chain1	10.01	13.33
NII2C	802.11ax HE80	106T 60L	5690	Chain1	9.80	13.12
NII2C	802.11ax HE80	242T 61L	5690	Chain1	10.11	13.43
NII2C	802.11ax HE80	242T 63L	5690	Chain1	10.00	13.32
NII2C	802.11ax HE80	242T 64L	5690	Chain1	9.98	13.30

NII2C	802.11ax HE80	26T 0L	5690	Chain1	9.76	13.08
NII2C	802.11ax HE80	26T 18L	5690	Chain1	9.98	13.30
NII2C	802.11ax HE80	26T 36L	5690	Chain1	9.80	13.12
NII2C	802.11ax HE80	484T 65L	5690	Chain1	9.99	13.31
NII2C	802.11ax HE80	484T 66L	5690	Chain1	9.96	13.28
NII2C	802.11ax HE80	52T 37L	5690	Chain1	9.98	13.30
NII2C	802.11ax HE80	52T 45L	5690	Chain1	9.95	13.27
NII2C	802.11ax HE80	52T 52L	5690	Chain1	9.81	13.13
NII2C	802.11ax HE80	996T 67L	5690	Chain1	9.75	13.07
NII2C	802.11ax HE80	996T 67L	5690	MIMO	12.78	16.10

NII3

Title	Test Mode	Tones/ RU Index	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII3	802.11a	NA	5720	Chain0	7.41	10.73
NII3	802.11a	NA	5720	Chain1	7.43	10.75
NII3	802.11n HT20	NA	5720	Chain0	7.82	11.14
NII3	802.11n HT20	NA	5720	Chain1	7.83	11.15
NII3	802.11n HT20	NA	5720	MIMO	10.84	14.16
NII3	802.11ac VHT20	NA	5720	Chain0	7.70	11.02
NII3	802.11ac VHT20	NA	5720	Chain1	7.70	11.02
NII3	802.11ac VHT20	NA	5720	MIMO	10.71	14.03
NII3	802.11n HT40	NA	5710	Chain0	3.55	6.87
NII3	802.11n HT40	NA	5710	Chain1	3.56	6.88
NII3	802.11n HT40	NA	5710	MIMO	6.57	9.89
NII3	802.11ac VHT40	NA	5710	Chain0	3.62	6.94
NII3	802.11ac VHT40	NA	5710	Chain1	3.61	6.93
NII3	802.11ac VHT40	NA	5710	MIMO	6.63	9.95
NII3	802.11ac VHT80	NA	5690	Chain0	0.23	3.55
NII3	802.11ac VHT80	NA	5690	Chain1	0.18	3.50

NII3	802.11ac VHT80	NA	5690	MIMO	3.22	6.54
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Title	Test Mode	Tones/ RU Index	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII3	802.11ax HE20	106T 53R	5720	Chain0	-12.48	-9.16
NII3	802.11ax HE20	106T 54R	5720	Chain0	-14.10	-10.78
NII3	802.11ax HE20	242T 61R	5720	Chain0	3.56	6.88
NII3	802.11ax HE20	26T 0R	5720	Chain0	-27.50	-24.18
NII3	802.11ax HE20	26T 4R	5720	Chain0	-19.43	-16.11
NII3	802.11ax HE20	26T 8R	5720	Chain0	-15.65	-12.33
NII3	802.11ax HE20	52T 37R	5720	Chain0	-23.35	-20.03
NII3	802.11ax HE20	52T 39R	5720	Chain0	-18.84	-15.52
NII3	802.11ax HE20	52T 40R	5720	Chain0	-18.21	-14.89
NII3	802.11ax HE20	106T 53R	5720	Chain1	-14.53	-11.21
NII3	802.11ax HE20	106T 54R	5720	Chain1	-12.68	-9.36
NII3	802.11ax HE20	242T 61R	5720	Chain1	3.48	6.80
NII3	802.11ax HE20	26T 0R	5720	Chain1	-21.54	-18.22
NII3	802.11ax HE20	26T 4R	5720	Chain1	-23.91	-20.59
NII3	802.11ax HE20	26T 8R	5720	Chain1	-16.70	-13.38
NII3	802.11ax HE20	52T 37R	5720	Chain1	-18.05	-14.73
NII3	802.11ax HE20	52T 39R	5720	Chain1	-23.79	-20.47
NII3	802.11ax HE20	52T 40R	5720	Chain1	-19.63	-16.31
NII3	802.11ax HE20	52T 40R	5720	MIMO	-15.85	-12.53
NII3	802.11ax HE40	106T 53R	5710	Chain0	-14.90	-11.58
NII3	802.11ax HE40	106T 55R	5710	Chain0	-18.67	-15.35
NII3	802.11ax HE40	106T 56R	5710	Chain0	-20.24	-16.92
NII3	802.11ax HE40	242T 61R	5710	Chain0	-20.72	-17.40
NII3	802.11ax HE40	242T 62R	5710	Chain0	-25.03	-21.71
NII3	802.11ax HE40	26T 0R	5710	Chain0	-27.38	-24.06

NII3	802.11ax HE40	26T 10R	5710	Chain0	-23.72	-20.40
NII3	802.11ax HE40	26T 17R	5710	Chain0	-19.96	-16.64
NII3	802.11ax HE40	484T 65R	5710	Chain0	0.34	3.66
NII3	802.11ax HE40	52T 37R	5710	Chain0	-23.73	-20.41
NII3	802.11ax HE40	52T 41R	5710	Chain0	-35.50	-32.18
NII3	802.11ax HE40	52T 44R	5710	Chain0	-35.96	-32.64
NII3	802.11ax HE40	106T 53R	5710	Chain1	-15.58	-12.26
NII3	802.11ax HE40	106T 55R	5710	Chain1	-21.39	-18.07
NII3	802.11ax HE40	106T 56R	5710	Chain1	-35.31	-31.99
NII3	802.11ax HE40	242T 61R	5710	Chain1	-15.59	-12.27
NII3	802.11ax HE40	242T 62R	5710	Chain1	-17.39	-14.07
NII3	802.11ax HE40	26T 0R	5710	Chain1	-35.39	-32.07
NII3	802.11ax HE40	26T 10R	5710	Chain1	-17.89	-14.57
NII3	802.11ax HE40	26T 17R	5710	Chain1	-33.50	-30.18
NII3	802.11ax HE40	484T 65R	5710	Chain1	0.25	3.57
NII3	802.11ax HE40	52T 37R	5710	Chain1	-22.18	-18.86
NII3	802.11ax HE40	52T 41R	5710	Chain1	-28.27	-24.95
NII3	802.11ax HE40	52T 44R	5710	Chain1	-30.89	-27.57
NII3	802.11ax HE40	52T 44R	5710	MIMO	-29.71	-26.39
NII3	802.11ax HE80	106T 53R	5690	Chain0	-25.17	-21.85
NII3	802.11ax HE80	106T 57R	5690	Chain0	-41.17	-37.85
NII3	802.11ax HE80	106T 60R	5690	Chain0	-42.02	-38.70
NII3	802.11ax HE80	242T 61R	5690	Chain0	-42.06	-38.74
NII3	802.11ax HE80	242T 63R	5690	Chain0	-41.99	-38.67
NII3	802.11ax HE80	242T 64R	5690	Chain0	-41.55	-38.23
NII3	802.11ax HE80	26T 0R	5690	Chain0	-39.90	-36.58
NII3	802.11ax HE80	26T 18R	5690	Chain0	-21.80	-18.48
NII3	802.11ax HE80	26T 36R	5690	Chain0	-25.38	-22.06
NII3	802.11ax HE80	484T 65R	5690	Chain0	-21.82	-18.50

NII3	802.11ax HE80	484T 66R	5690	Chain0	-41.88	-38.56
NII3	802.11ax HE80	52T 37LR	5690	Chain0	-39.86	-36.54
NII3	802.11ax HE80	52T 45R	5690	Chain0	-24.42	-21.10
NII3	802.11ax HE80	52T 52R	5690	Chain0	-39.29	-35.97
NII3	802.11ax HE80	996T 67R	5690	Chain0	-3.70	-0.38
NII3	802.11ax HE80	106T 53R	5690	Chain1	-42.40	-39.08
NII3	802.11ax HE80	106T 57R	5690	Chain1	-25.33	-22.01
NII3	802.11ax HE80	106T 60R	5690	Chain1	-41.73	-38.41
NII3	802.11ax HE80	242T 61R	5690	Chain1	-25.43	-22.11
NII3	802.11ax HE80	242T 63R	5690	Chain1	-41.34	-38.02
NII3	802.11ax HE80	242T 64R	5690	Chain1	-23.86	-20.54
NII3	802.11ax HE80	26T 0R	5690	Chain1	-21.28	-17.96
NII3	802.11ax HE80	26T 18R	5690	Chain1	-39.31	-35.99
NII3	802.11ax HE80	26T 36R	5690	Chain1	-31.62	-28.30
NII3	802.11ax HE80	484T 65R	5690	Chain1	-17.35	-14.03
NII3	802.11ax HE80	484T 66R	5690	Chain1	-21.74	-18.42
NII3	802.11ax HE80	52T 37LR	5690	Chain1	-40.61	-37.29
NII3	802.11ax HE80	52T 45R	5690	Chain1	-40.23	-36.91
NII3	802.11ax HE80	52T 52R	5690	Chain1	-37.87	-34.55
NII3	802.11ax HE80	996T 67R	5690	Chain1	-3.86	-0.54
NII3	802.11ax HE80	996T 67R	5690	MIMO	-0.77	2.55

Emission Bandwidth

NII2C

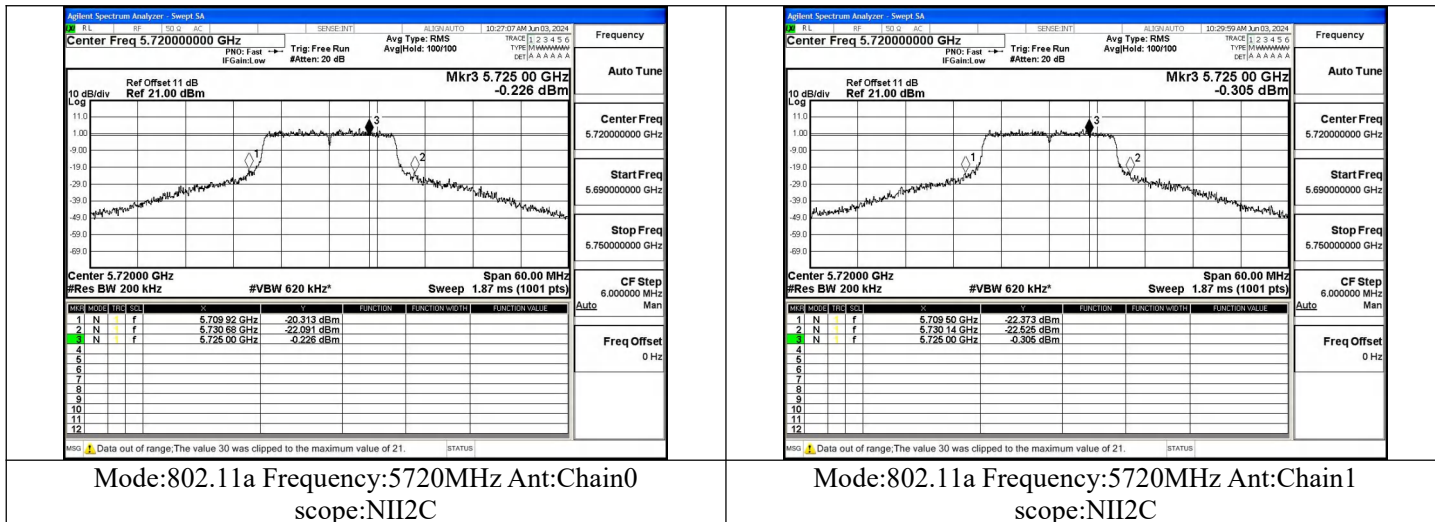
Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5720MHz
NII2C	802.11a	Chain0	15.08
NII2C	802.11a	Chain1	15.50
NII2C	802.11n HT20	Chain0	15.32
NII2C	802.11n HT20	Chain1	15.08
NII2C	802.11ac VHT20	Chain0	15.86
NII2C	802.11ac VHT20	Chain1	15.20
NII2C	802.11ax HE20	Chain0	15.26
NII2C	802.11ax HE20	Chain1	15.26

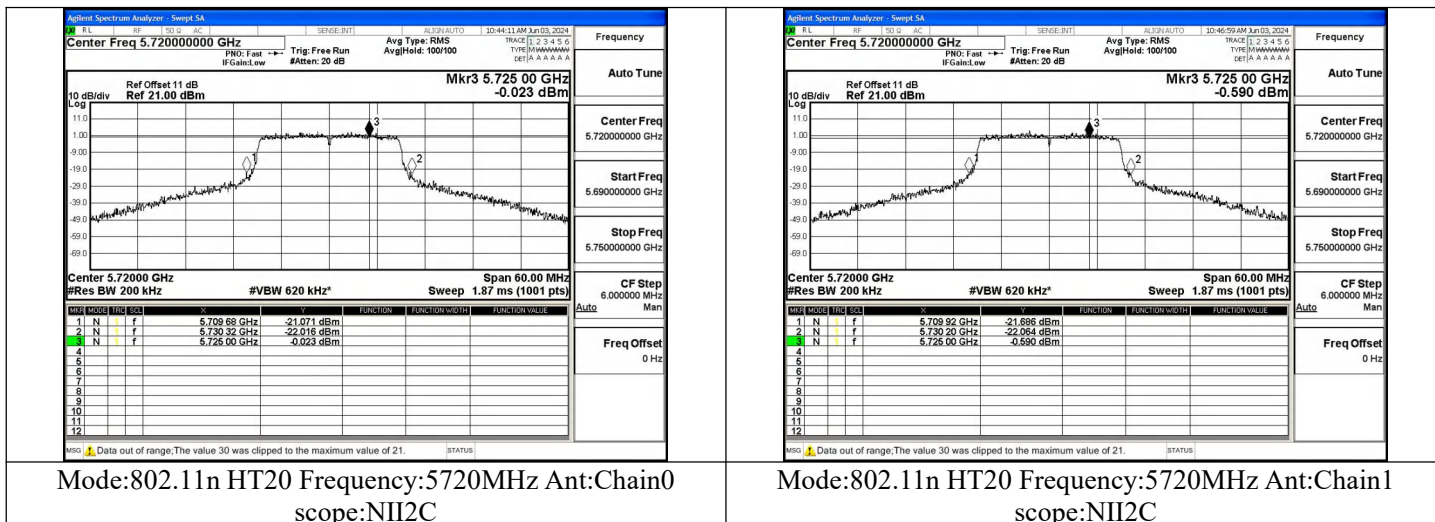
26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5710MHz
NII2C	802.11n HT40	Chain0	35.40
NII2C	802.11n HT40	Chain1	34.68
NII2C	802.11ac VHT40	Chain0	34.08
NII2C	802.11ac VHT40	Chain1	34.56
NII2C	802.11ax HE40	Chain0	34.80
NII2C	802.11ax HE40	Chain1	34.68

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5690MHz
NII2C	802.11ac VHT80	Chain0	74.84
NII2C	802.11ac VHT80	Chain1	76.76
NII2C	802.11ax HE80	Chain0	75.08
NII2C	802.11ax HE80	Chain1	75.08

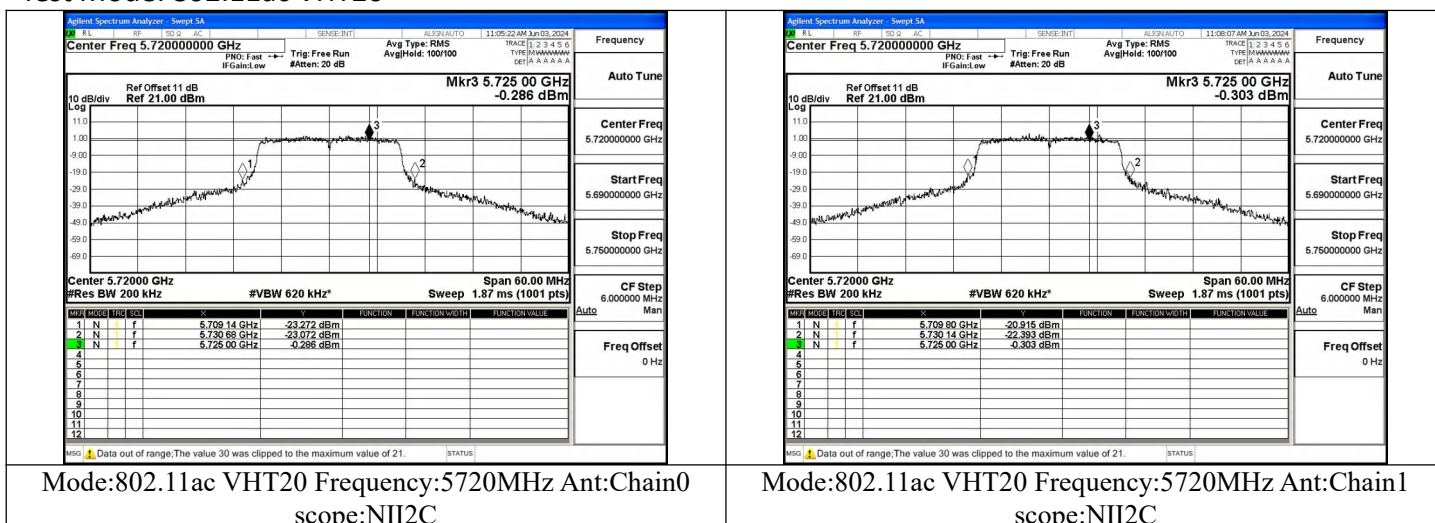
Test Mode: 802.11a



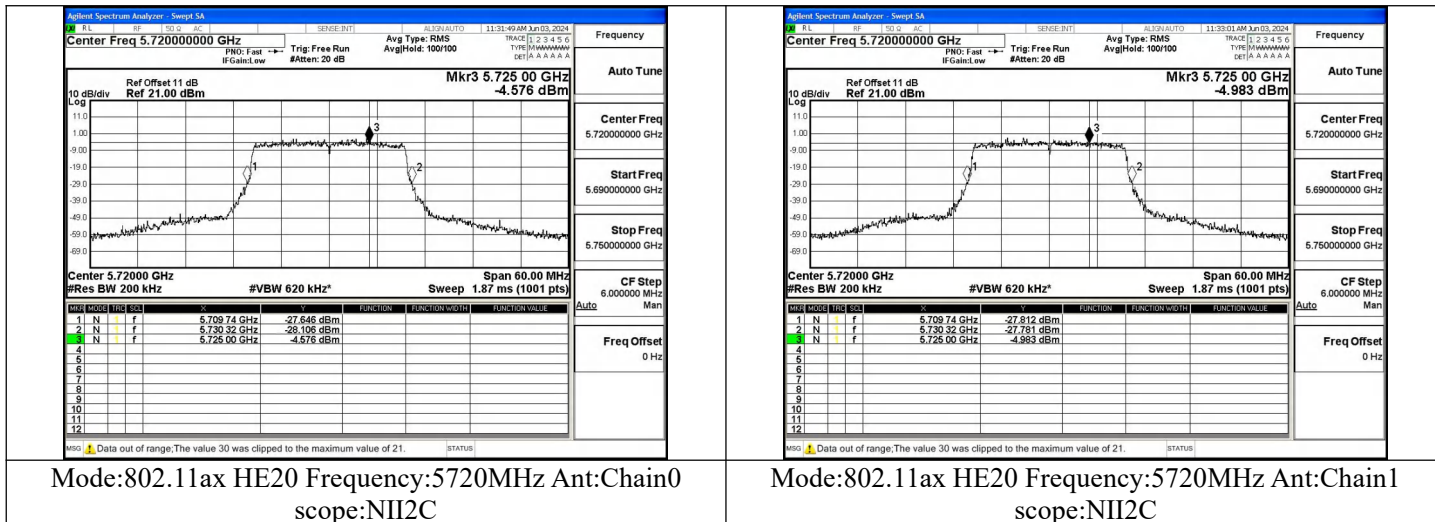
Test Mode: 802.11n HT20



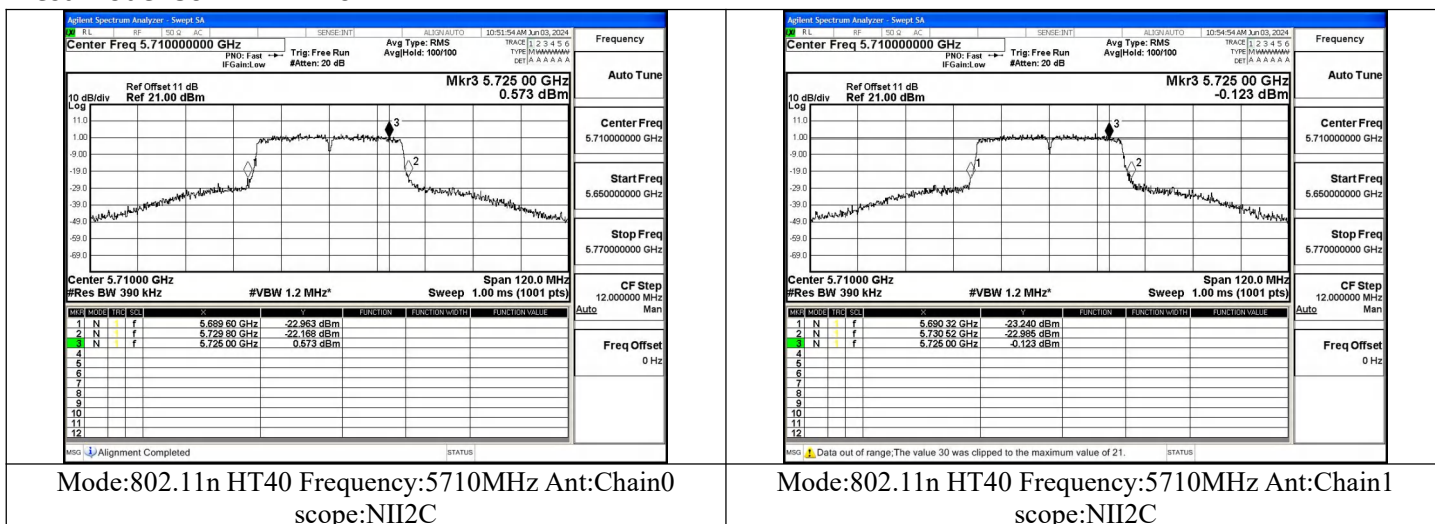
Test Mode: 802.11ac VHT20



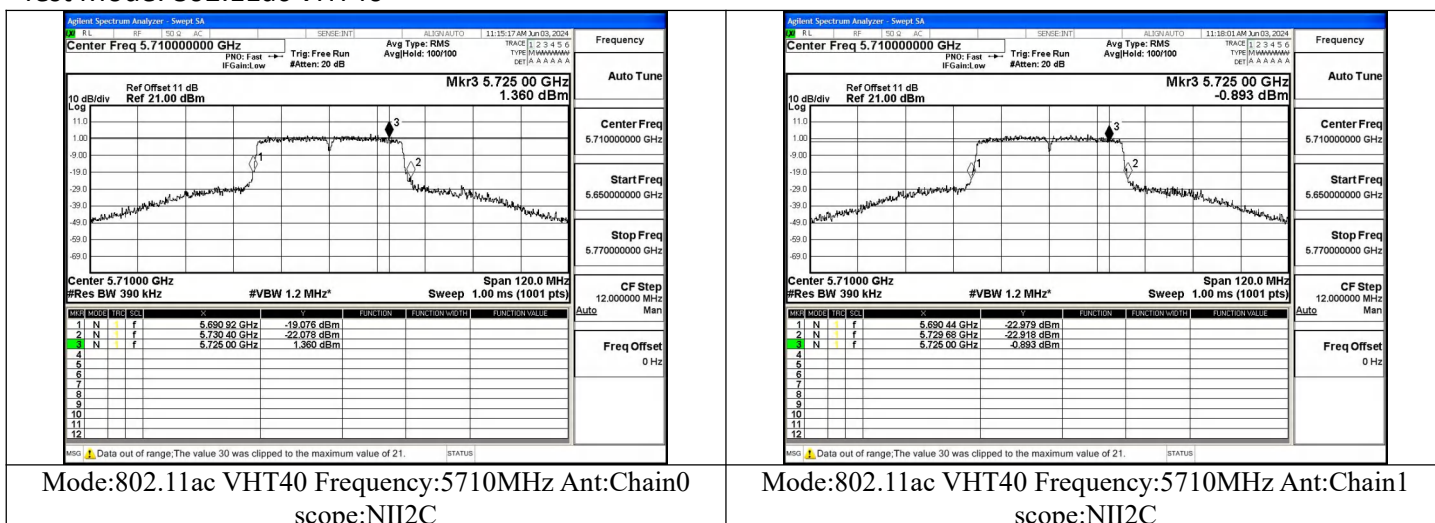
Test Mode: 802.11ax HE20



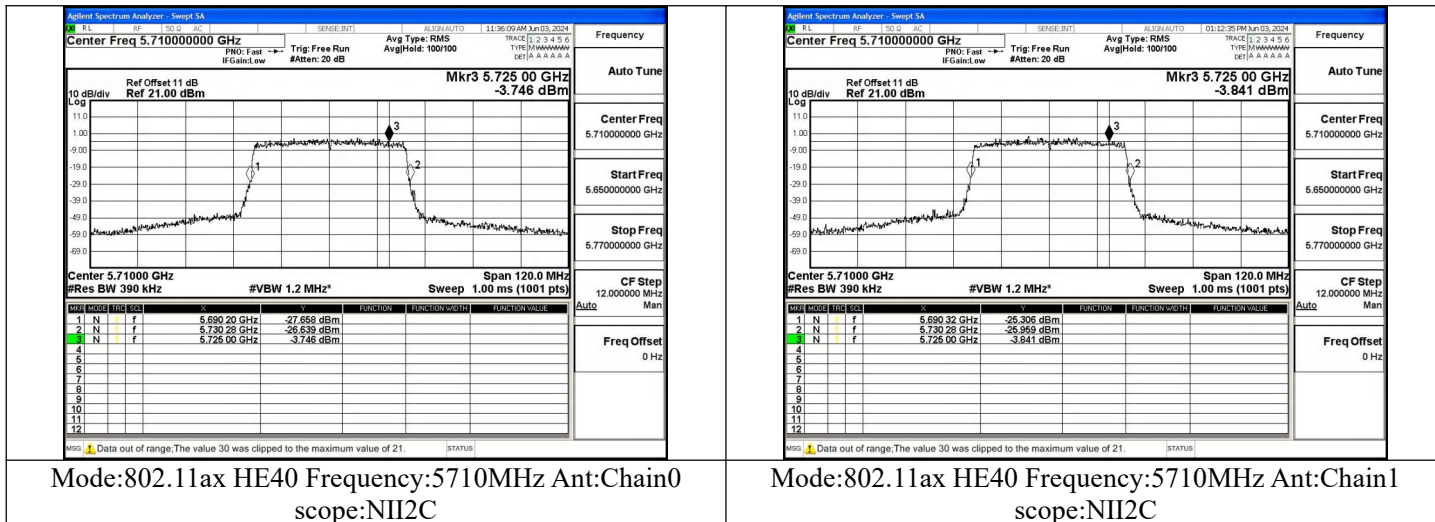
Test Mode: 802.11n HT40



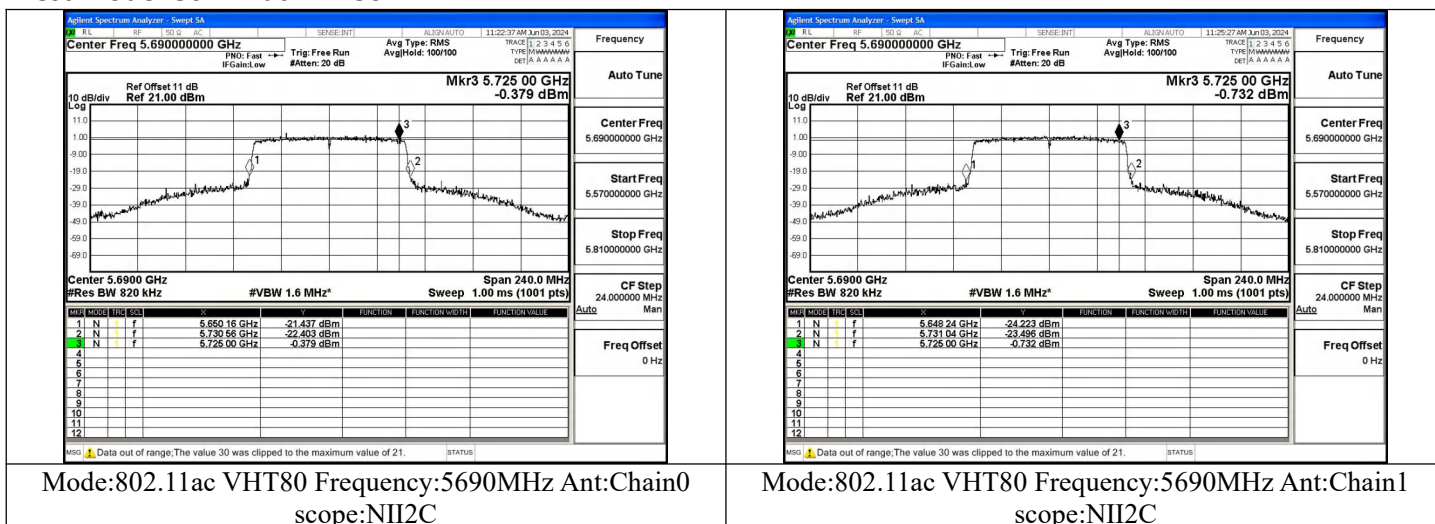
Test Mode: 802.11ac VHT40



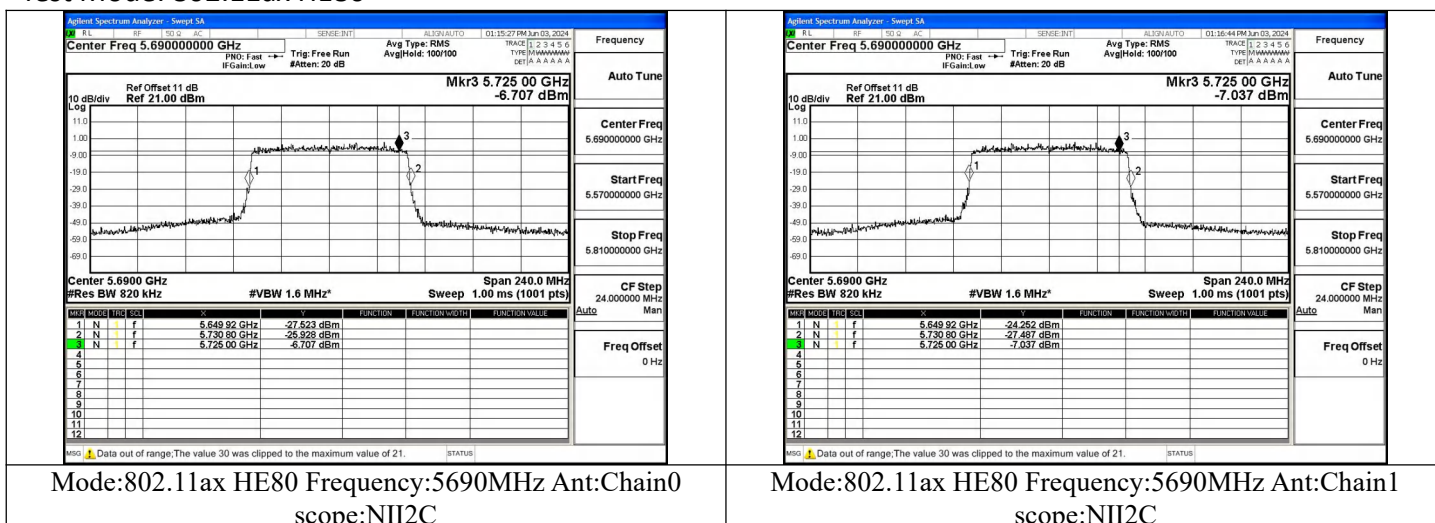
Test Mode: 802.11ax HE40



Test Mode: 802.11ac VHT80



Test Mode: 802.11ax HE80



NII3

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5720MHz
NII3	802.11a	Chain0	5.68
NII3	802.11a	Chain1	5.14
NII3	802.11n HT20	Chain0	5.32
NII3	802.11n HT20	Chain1	5.20
NII3	802.11ac VHT20	Chain0	5.68
NII3	802.11ac VHT20	Chain1	5.14
NII3	802.11ax HE20	Chain0	5.32
NII3	802.11ax HE20	Chain1	5.32

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5710MHz
NII3	802.11n HT40	Chain0	4.80
NII3	802.11n HT40	Chain1	5.52
NII3	802.11ac VHT40	Chain0	5.40
NII3	802.11ac VHT40	Chain1	4.68
NII3	802.11ax HE40	Chain0	5.28
NII3	802.11ax HE40	Chain1	5.28

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5690MHz
NII3	802.11ac VHT80	Chain0	5.56
NII3	802.11ac VHT80	Chain1	6.04
NII3	802.11ax HE80	Chain0	5.80
NII3	802.11ax HE80	Chain1	5.80

Occupied Bandwidth

NII2C

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

Occupied Bandwidth (MHz)			
Title	Test Mode	Antenna	5720MHz
NII2C	802.11a	Chain0	13.21
NII2C	802.11a	Chain1	13.25
NII2C	802.11n HT20	Chain0	13.79
NII2C	802.11n HT20	Chain1	13.79
NII2C	802.11ac VHT20	Chain0	13.83
NII2C	802.11ac VHT20	Chain1	13.8
NII2C	802.11ax HE20	Chain0	14.42
NII2C	802.11ax HE20	Chain1	14.45

Occupied Bandwidth (MHz)			
Title	Test Mode	Antenna	5710MHz
NII2C	802.11n HT40	Chain0	32.99
NII2C	802.11n HT40	Chain1	33.03
NII2C	802.11ac VHT40	Chain0	33.02
NII2C	802.11ac VHT40	Chain1	33.02
NII2C	802.11ax HE40	Chain0	33.9
NII2C	802.11ax HE40	Chain1	33.73

Occupied Bandwidth (MHz)			
Title	Test Mode	Antenna	5690MHz
NII2C	802.11ac VHT80	Chain0	72.84
NII2C	802.11ac VHT80	Chain1	72.89
NII2C	802.11ax HE80	Chain0	73.76
NII2C	802.11ax HE80	Chain1	73.66

Test Mode: 802.11a

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 16.581 MHz Total Power 18.0 dBm Transmit Freq Error 52.742 kHz OBW Power 99.00 % x dB Bandwidth 16.01 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 16.620 MHz Total Power 17.9 dBm Transmit Freq Error 82.434 kHz OBW Power 99.00 % x dB Bandwidth 16.28 MHz x dB -6.00 dB
Mode:802.11a Frequency:5720MHz Ant:Chain0 scope:NII2C	Mode:802.11a Frequency:5720MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11n HT20

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 17.730 MHz Total Power 18.0 dBm Transmit Freq Error 75.874 kHz OBW Power 99.00 % x dB Bandwidth 17.50 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 17.713 MHz Total Power 18.2 dBm Transmit Freq Error 67.506 kHz OBW Power 99.00 % x dB Bandwidth 17.45 MHz x dB -6.00 dB
Mode:802.11n HT20 Frequency:5720MHz Ant:Chain0 scope:NII2C	Mode:802.11n HT20 Frequency:5720MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11ac VHT20

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 17.782 MHz Total Power 17.8 dBm Transmit Freq Error 80.610 kHz OBW Power 99.00 % x dB Bandwidth 17.53 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 17.719 MHz Total Power 17.8 dBm Transmit Freq Error 69.744 kHz OBW Power 99.00 % x dB Bandwidth 17.35 MHz x dB -6.00 dB
Mode:802.11ac VHT20 Frequency:5720MHz Ant:Chain0 scope:NII2C	Mode:802.11ac VHT20 Frequency:5720MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11ax HE20

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 19.009 MHz Total Power 12.5 dBm Transmit Freq Error 33.170 kHz OBW Power 99.00 % x dB Bandwidth 18.73 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.720000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.72 GHz #Res BW 510 kHz #VBW 1.5 MHz Span 60 MHz Sweep 1 ms Occupied Bandwidth 18.999 MHz Total Power 12.5 dBm Transmit Freq Error 31.948 kHz OBW Power 99.00 % x dB Bandwidth 18.37 MHz x dB -6.00 dB
Mode:802.11ax HE20 Frequency:5720MHz Ant:Chain0 scope:NII2C	Mode:802.11ax HE20 Frequency:5720MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11n HT40

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.710000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.71 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.249 MHz Total Power 17.6 dBm Transmit Freq Error 103.70 kHz OBW Power 99.00 % x dB Bandwidth 36.21 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.710000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.71 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.312 MHz Total Power 17.8 dBm Transmit Freq Error 99.209 kHz OBW Power 99.00 % x dB Bandwidth 35.50 MHz x dB -6.00 dB
Mode:802.11n HT40 Frequency:5710MHz Ant:Chain0 scope:NII2C	Mode:802.11n HT40 Frequency:5710MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11ac VHT40

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.710000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.71 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.384 MHz Total Power 17.7 dBm Transmit Freq Error 112.85 kHz OBW Power 99.00 % x dB Bandwidth 36.11 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.710000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.71 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.285 MHz Total Power 17.9 dBm Transmit Freq Error 189.19 kHz OBW Power 99.00 % x dB Bandwidth 36.11 MHz x dB -6.00 dB
Mode:802.11ac VHT40 Frequency:5710MHz Ant:Chain0 scope:NII2C	Mode:802.11ac VHT40 Frequency:5710MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11ax HE40

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.710000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.71 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 37.996 MHz Total Power 12.2 dBm Transmit Freq Error 122.54 kHz OBW Power 99.00 % x dB Bandwidth 37.36 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.710000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.71 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 37.836 MHz Total Power 12.3 dBm Transmit Freq Error 145.39 kHz OBW Power 99.00 % x dB Bandwidth 37.47 MHz x dB -6.00 dB
Mode:802.11ax HE40 Frequency:5710MHz Ant:Chain0 scope:NII2C	Mode:802.11ax HE40 Frequency:5710MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11ac VHT80

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.690000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.69 GHz #Res BW 2 MHz #VBW 6 MHz Span 240 MHz Sweep 1 ms Occupied Bandwidth 76.370 MHz Total Power 17.1 dBm Transmit Freq Error 103.09 kHz OBW Power 99.00 % x dB Bandwidth 76.55 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.690000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.69 GHz #Res BW 2 MHz #VBW 6 MHz Span 240 MHz Sweep 1 ms Occupied Bandwidth 76.067 MHz Total Power 17.2 dBm Transmit Freq Error 55.185 kHz OBW Power 99.00 % x dB Bandwidth 75.93 MHz x dB -6.00 dB
Mode:802.11ac VHT80 Frequency:5690MHz Ant:Chain0 scope:NII2C	Mode:802.11ac VHT80 Frequency:5690MHz Ant:Chain1 scope:NII2C

Test Mode: 802.11ax HE80

Agilent Spectrum Analyzer - Occupied BW Center Freq 5.690000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.69 GHz #Res BW 2 MHz #VBW 6 MHz Span 240 MHz Sweep 1 ms Occupied Bandwidth 77.662 MHz Total Power 11.9 dBm Transmit Freq Error 238.02 kHz OBW Power 99.00 % x dB Bandwidth 71.47 MHz x dB -6.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 5.690000000 GHz Ref Offset 11 dB Ref 30.00 dBm Center 5.69 GHz #Res BW 2 MHz #VBW 6 MHz Span 240 MHz Sweep 1 ms Occupied Bandwidth 77.848 MHz Total Power 11.9 dBm Transmit Freq Error 184.25 kHz OBW Power 99.00 % x dB Bandwidth 77.26 MHz x dB -6.00 dB
Mode:802.11ax HE80 Frequency:5690MHz Ant:Chain0 scope:NII2C	Mode:802.11ax HE80 Frequency:5690MHz Ant:Chain1 scope:NII2C

NII3

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

Occupied Bandwidth (MHz)			
Title	Test Mode	Antenna	5720MHz
NII3	802.11a	Chain0	3.36
NII3	802.11a	Chain1	3.34
NII3	802.11n HT20	Chain0	3.91
NII3	802.11n HT20	Chain1	3.93
NII3	802.11ac VHT20	Chain0	3.94
NII3	802.11ac VHT20	Chain1	3.89
NII3	802.11ax HE20	Chain0	4.60
NII3	802.11ax HE20	Chain1	4.56

Occupied Bandwidth (MHz)			
Title	Test Mode	Antenna	5710MHz
NII3	802.11n HT40	Chain0	3.30
NII3	802.11n HT40	Chain1	3.33
NII3	802.11ac VHT40	Chain0	3.30
NII3	802.11ac VHT40	Chain1	3.32
NII3	802.11ax HE40	Chain0	4.03
NII3	802.11ax HE40	Chain1	4.02

Occupied Bandwidth (MHz)			
Title	Test Mode	Antenna	5690MHz
NII3	802.11ac VHT80	Chain0	3.11
NII3	802.11ac VHT80	Chain1	3.09
NII3	802.11ax HE80	Chain0	3.86
NII3	802.11ax HE80	Chain1	4.11

6dB Bandwidth

NII2C

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

6dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5720MHz
NII2C	802.11a	Chain0	13.15
NII2C	802.11a	Chain1	13.15
NII2C	802.11n HT20	Chain0	13.77
NII2C	802.11n HT20	Chain1	13.78
NII2C	802.11ac VHT20	Chain0	13.83
NII2C	802.11ac VHT20	Chain1	13.78
NII2C	802.11ax HE20	Chain0	14.42
NII2C	802.11ax HE20	Chain1	14.50

6dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5710MHz
NII2C	802.11n HT40	Chain0	33.14
NII2C	802.11n HT40	Chain1	33.13
NII2C	802.11ac VHT40	Chain0	32.95
NII2C	802.11ac VHT40	Chain1	33.16
NII2C	802.11ax HE40	Chain0	33.89
NII2C	802.11ax HE40	Chain1	33.72

6dB Bandwidth (MHz)			
Title	Test Mode	Antenna	5690MHz
NII2C	802.11ac VHT80	Chain0	72.51
NII2C	802.11ac VHT80	Chain1	72.75
NII2C	802.11ax HE80	Chain0	74.02
NII2C	802.11ax HE80	Chain1	73.38

Test Mode: 802.11a

Agilent Spectrum Analyzer - Sweep SA RL RF SENSE:BTI ALPHA AUTO 10:27:36 AM Jan 03, 2024 Center Freq 5.720000000 GHz PRN: Fast IF Gain: Low Trig: Free Run #atten: 20 dB Avg Type: RMS Avg Hold: 100/100 TRACE [1] 2 3 4 5 6 TYPE: Normal DE[A A A A A A] Frequency Auto Tune Center Freq 5.720000000 GHz Start Freq 5.690000000 GHz Stop Freq 5.750000000 GHz CF Step 6.000000 MHz Man Auto Freq Offset 0 Hz 10 dB/div Ref Offset 11 dB Ref 21.00 dBm Mkr3 5.725 000 GHz -0.397 dBm Span 60.00 MHz Sweep 8.00 ms (10001 pts) #VBW 300 kHz* #Res BW 100 kHz Center 5.720000 GHz #Res BW 100 kHz #VBW 300 kHz* Span 60.00 MHz Sweep 8.00 ms (10001 pts) CF Step 6.000000 MHz Man Auto Freq Offset 0 Hz <table><thead><tr><th>MN</th><th>MODE</th><th>FREQ</th><th>DB</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>f</td><td>5.711846 GHz</td><td>-3.312 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>f</td><td>5.728160 GHz</td><td>-3.473 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>f</td><td>5.725000 GHz</td><td>-0.397 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>12</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> Info Data out of range. The value 30 was clipped to the maximum value of 21. STATUS	MN	MODE	FREQ	DB	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f	5.711846 GHz	-3.312 dBm				2	N	f	5.728160 GHz	-3.473 dBm				3	N	f	5.725000 GHz	-0.397 dBm				4	N	f						5	N	f						6	N	f						7	N	f						8	N	f						9	N	f						10	N	f						11	N	f						12	N	f						Agilent Spectrum Analyzer - Sweep SA RL RF SENSE:BTI ALPHA AUTO 10:30:20 AM Jan 03, 2024 Center Freq 5.720000000 GHz PRN: Fast IF Gain: Low Trig: Free Run #atten: 20 dB Avg Type: RMS Avg Hold: 100/100 TRACE [1] 2 3 4 5 6 TYPE: Normal DE[A A A A A A] Frequency Auto Tune Center Freq 5.720000000 GHz Start Freq 5.690000000 GHz Stop Freq 5.750000000 GHz CF Step 6.000000 MHz Man Auto Freq Offset 0 Hz 10 dB/div Ref Offset 11 dB Ref 21.00 dBm Mkr3 5.725 000 GHz -1.265 dBm Span 60.00 MHz Sweep 8.00 ms (10001 pts) #VBW 300 kHz* #Res BW 100 kHz Center 5.720000 GHz #Res BW 100 kHz #VBW 300 kHz* Span 60.00 MHz Sweep 8.00 ms (10001 pts) CF Step 6.000000 MHz Man Auto Freq Offset 0 Hz <table><thead><tr><th>MN</th><th>MODE</th><th>FREQ</th><th>DB</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>f</td><td>5.711852 GHz</td><td>-2.904 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>f</td><td>5.728142 GHz</td><td>-2.878 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>f</td><td>5.725000 GHz</td><td>-1.265 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>12</td><td>N</td><td>f</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> Info Data out of range. The value 30 was clipped to the maximum value of 21. STATUS	MN	MODE	FREQ	DB	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f	5.711852 GHz	-2.904 dBm				2	N	f	5.728142 GHz	-2.878 dBm				3	N	f	5.725000 GHz	-1.265 dBm				4	N	f						5	N	f						6	N	f						7	N	f						8	N	f						9	N	f						10	N	f						11	N	f						12	N	f					
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1	N	f	5.711852 GHz	-2.904 dBm																																																																																																																																																																																																													
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3	N	f	5.725000 GHz	-1.265 dBm																																																																																																																																																																																																													
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Test Mode: 802.11n HT20

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.720000000 GHz

PRF: Fast
#Gain: Low

Trig: Free Run
#Atten: 20 dB

Avg Type: RMS
AvgHold: 100/100

Frequency

Auto Tune

Center Freq 5.720000000 GHz

Start Freq 5.690000000 GHz

Stop Freq 5.750000000 GHz

CF Step 6.0000000 MHz

Freq Offset 0 Hz

Ref Offset 11 dB
Ref 21.00 dBm

Mkr3 5.725 000 GHz
-0.795 dBm

10 dB/div
Ref 21.00 dBm

Center 5.72000 GHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 60.00 MHz
Sweep 8.00 ms (10001 pts)

MN	MODE	FREQ	DB	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.711234 GHz	-3.283 dBm			
2	N	f	5.728760 GHz	-3.637 dBm			
3	N	f	5.725000 GHz	-0.795 dBm			

MNO Data out of range. The value 30 was clipped to the maximum value of 21.

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.720000000 GHz

PRF: Fast
#Gain: Low

Trig: Free Run
#Atten: 20 dB

Avg Type: RMS
AvgHold: 100/100

Frequency

Auto Tune

Center Freq 5.720000000 GHz

Start Freq 5.690000000 GHz

Stop Freq 5.750000000 GHz

CF Step 6.0000000 MHz

Freq Offset 0 Hz

Ref Offset 11 dB
Ref 21.00 dBm

Mkr3 5.725 000 GHz
-1.121 dBm

10 dB/div
Ref 21.00 dBm

Center 5.72000 GHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 60.00 MHz
Sweep 8.00 ms (10001 pts)

MN	MODE	FREQ	DB	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.711216 GHz	-3.643 dBm			
2	N	f	5.728760 GHz	-3.437 dBm			
3	N	f	5.725000 GHz	-1.121 dBm			

MNO Data out of range. The value 30 was clipped to the maximum value of 21.

Mode:802.11n HT20 Frequency:5720MHz Ant:Chain0
scope:NII2C

Mode:802.11n HT20 Frequency:5720MHz Ant:Chain1
scope:NII2C

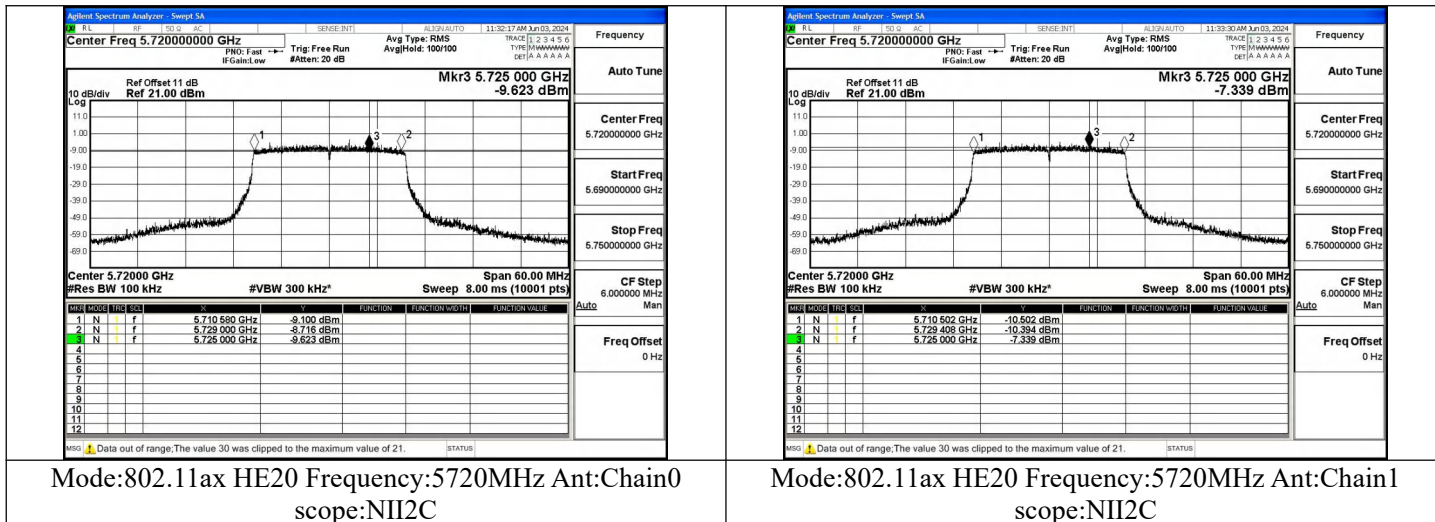
Test Mode: 802.11ac VHT20

Agilent Spectrum Analyzer - Swept SA FILE EDIT VIEW PRINT SENSE:INT RES:1000 UNIT:Hz 11:05:53 AM Jun 05, 2024 TRACE [1] 2,3,4,5,6 TYPE: [M] [W] [A] [V] [A] [A] [A] [A] DETA: [A] [A] [A] [A] [A] Center Freq 5.720000000 GHz PRF: Fast IF Gain: Low Trig: Free Run #Att: 20 dB Avg Type: RMS Avg/Hold: 100/100 10 dB/div Ref Offset 11 dB Ref 21.00 dBm Mkr3 5.725 000 GHz -1.398 dBm Center 5.72000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 8.00 ms (10001 pts) Span 60.00 MHz <table><thead><tr><th>MN</th><th>MODE</th><th>FREQ</th><th>DB</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>f</td><td>5.711174 GHz</td><td>-6.511 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>f</td><td>5.728802 GHz</td><td>-6.470 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>f</td><td>5.725000 GHz</td><td>-1.398 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> MMSO [Data out of range. 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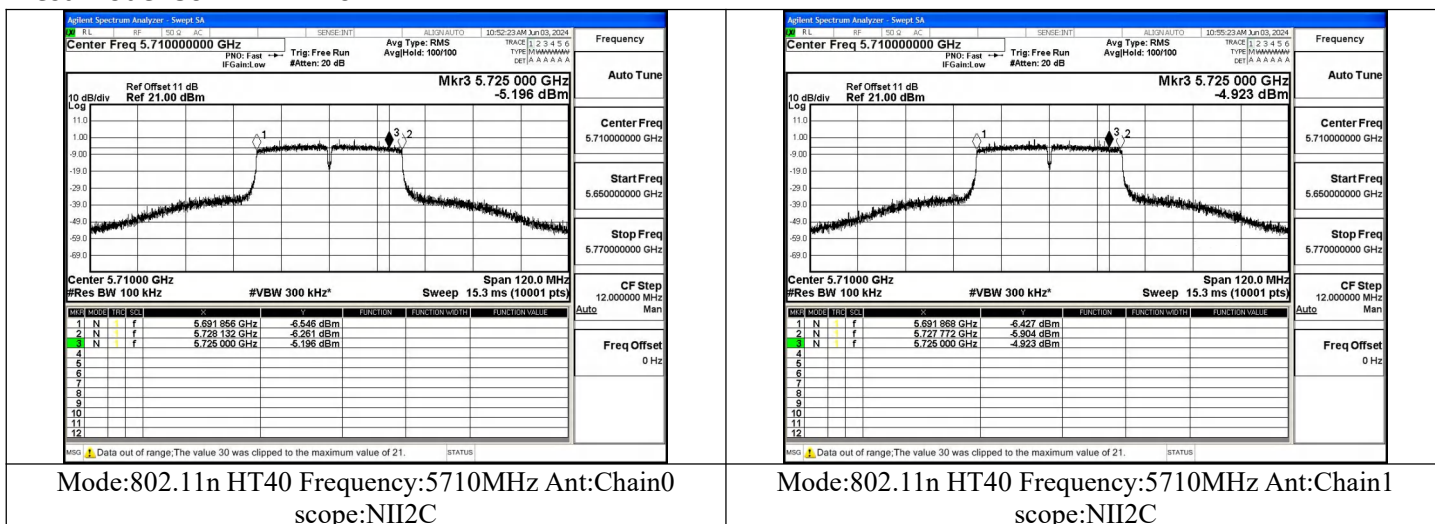
Mode:802.11ac VHT20 Frequency:5720MHz Ant:Chain0
scope:NII2C

Mode:802.11ac VHT20 Frequency:5720MHz Ant:Chain1
scope:NII2C

Test Mode: 802.11ax HE20



Test Mode: 802.11n HT40



Test Mode: 802.11ac VHT40

