APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5720	99.69%	0	Fig.1
802.11a	5720	99.68%	0	Fig.2
802.11n HT20	5720	99.89%	0	Fig.3
802.11n HT20	5720	99.88%	0	Fig.4
802.11ac VHT20	5720	99.85%	0	Fig.5
802.11ac VHT20	5720	99.80%	0	Fig.6
802.11ax HE20	5720	99.78%	0	Fig.7
802.11ax HE20	5720	99.86%	0	Fig.8
802.11n HT40	5710	99.88%	0	Fig.9
802.11n HT40	5710	99.89%	0	Fig.10
802.11ac VHT40	5710	99.77%	0	Fig.11
802.11ac VHT40	5710	99.84%	0	Fig.12
802.11ax HE40	5710	99.85%	0	Fig.13
802.11ax HE40	5710	99.79%	0	Fig.14
802.11ac VHT80	5690	99.57%	0	Fig.15
802.11ac VHT80	5690	99.62%	0	Fig.16
802.11ax HE80	5690	99.79%	0	Fig.17
802.11ax HE80	5690	99.79%	0	Fig.18

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

Fig.1	Fig.2
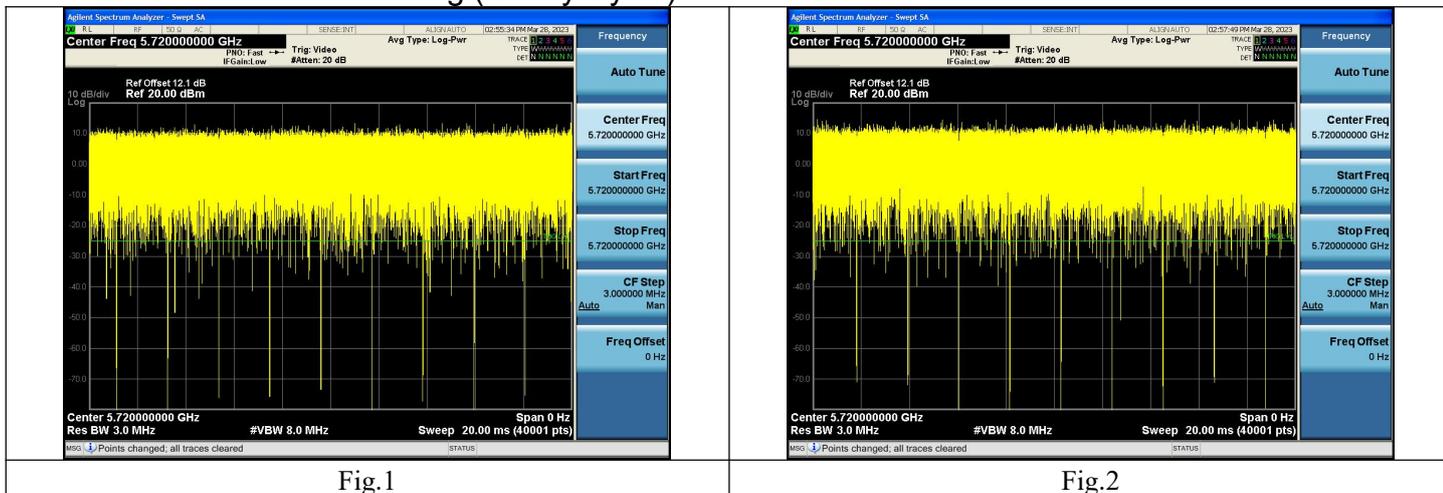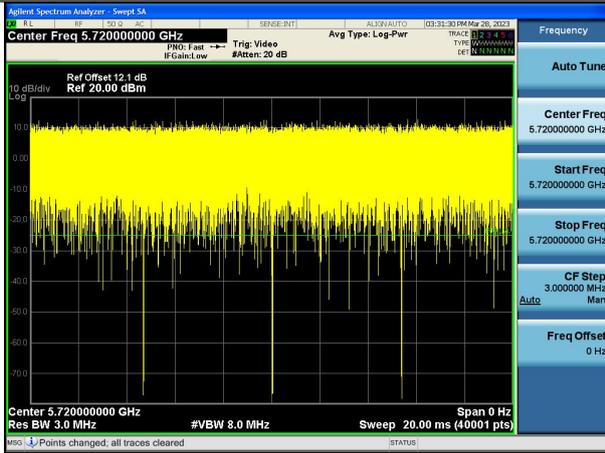
Fig.3
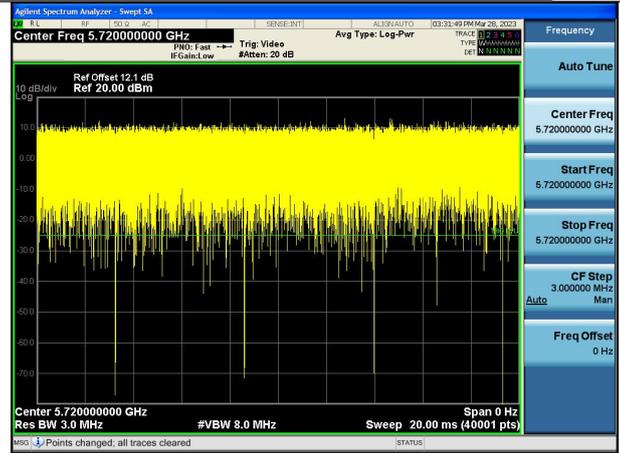
Fig.4
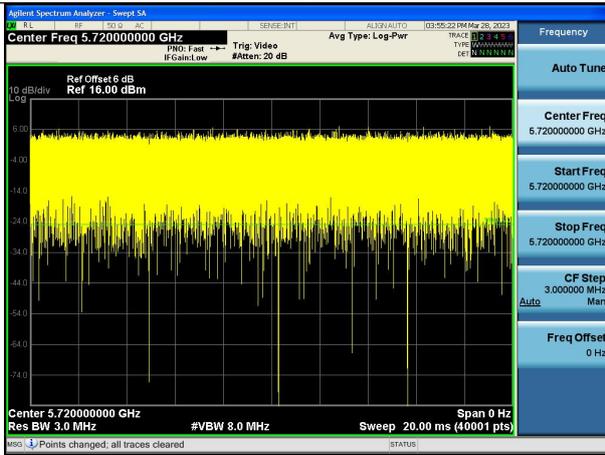
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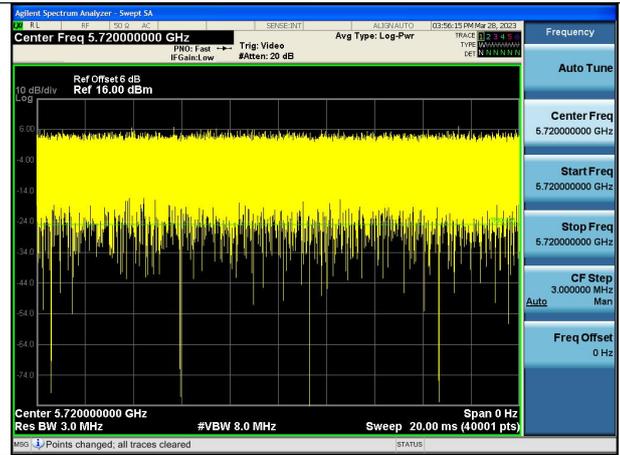
Fig.6
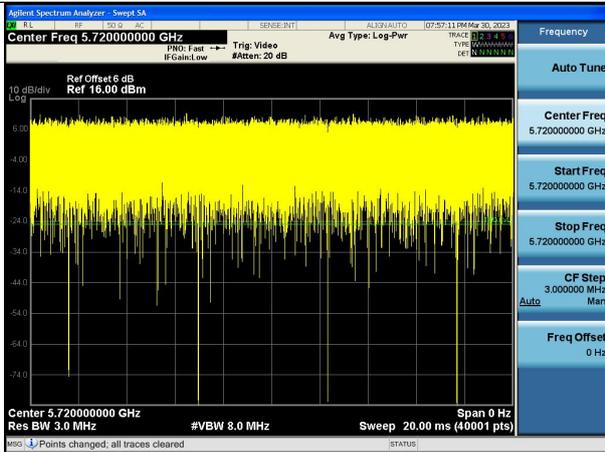
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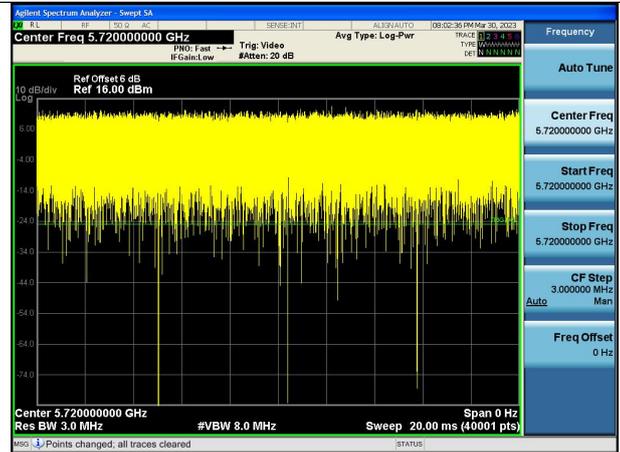
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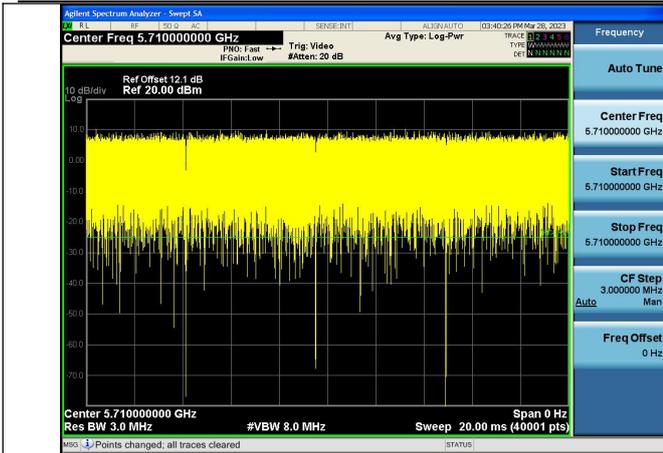
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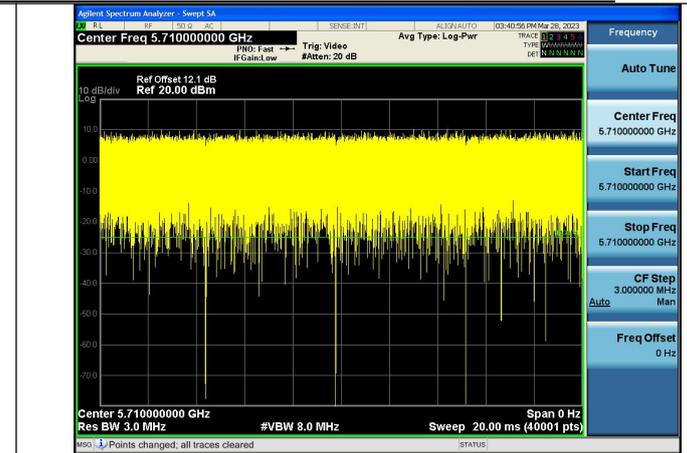
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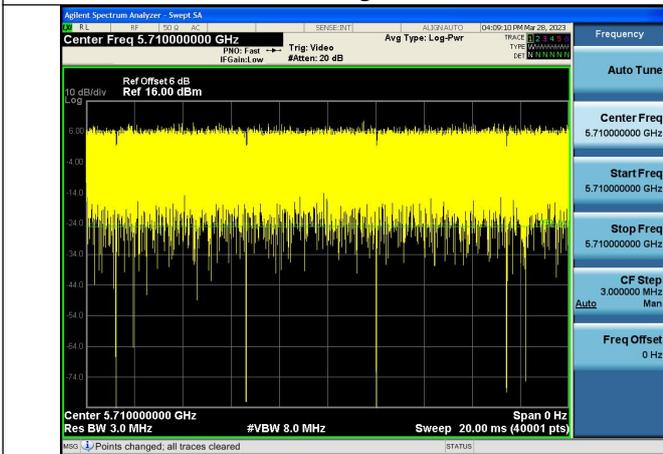
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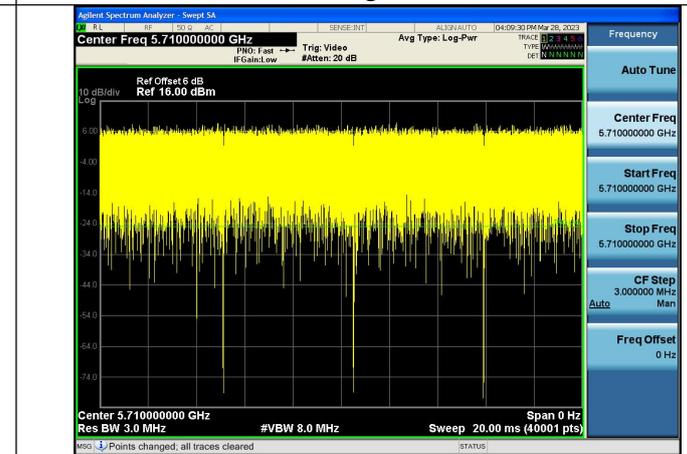
Fig.12
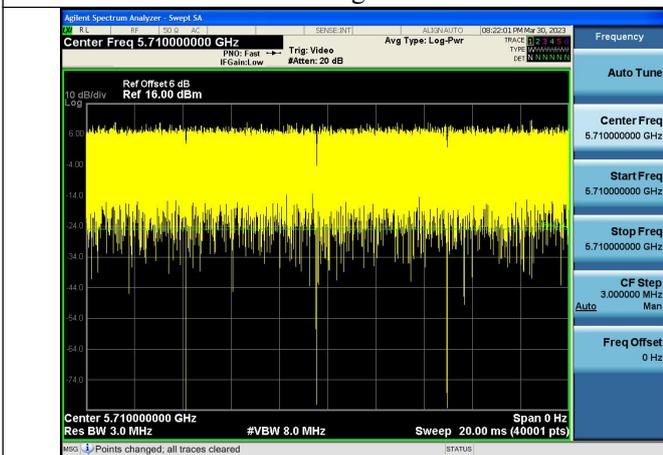
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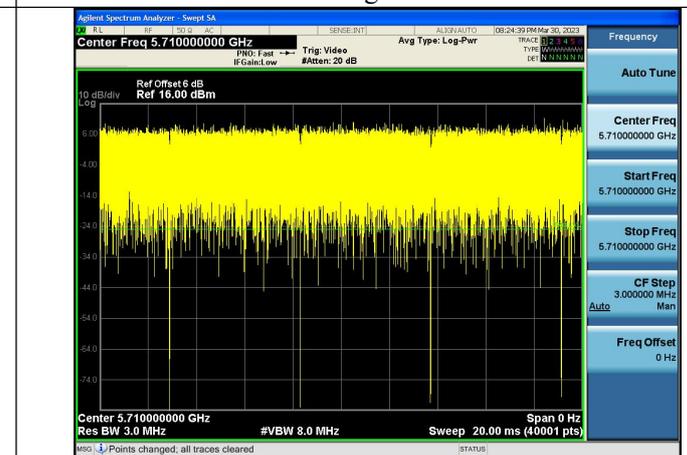
Fig.14
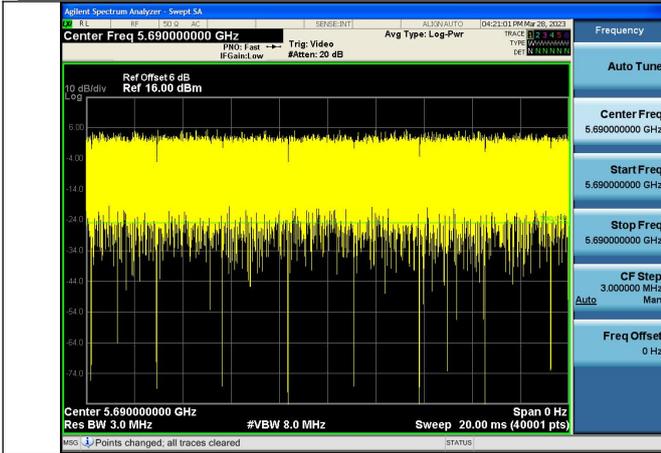
Fig.15

Fig.16
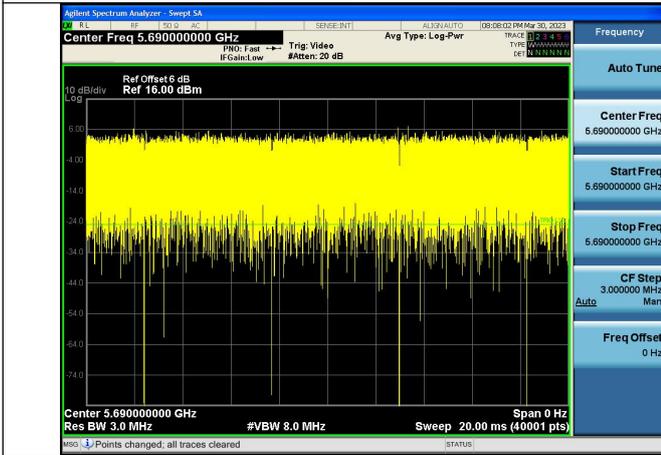
Fig.17
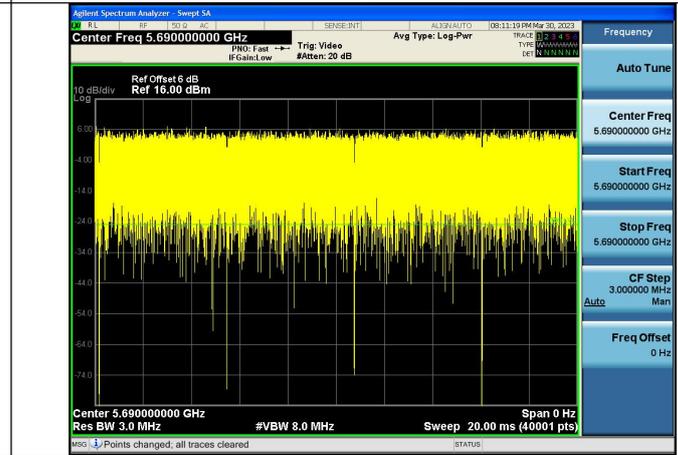
Fig.18

Output Power

NII2C

Title	Test Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII2C	802.11a	NA	5720	Chain0	10.40	7.30
NII2C	802.11a	NA	5720	Chain1	10.36	7.66
NII2C	802.11n HT20	NA	5720	Chain0	10.35	7.25
NII2C	802.11n HT20	NA	5720	Chain1	10.36	7.66
NII2C	802.11n HT20	NA	5720	MIMO	13.37	10.27
NII2C	802.11ac VHT20	NA	5720	Chain0	9.92	6.82
NII2C	802.11ac VHT20	NA	5720	Chain1	9.90	7.20
NII2C	802.11ac VHT20	NA	5720	MIMO	12.92	10.02
NII2C	802.11n HT40	NA	5710	Chain0	11.26	8.16
NII2C	802.11n HT40	NA	5710	Chain1	7.67	4.97
NII2C	802.11n HT40	NA	5710	MIMO	12.84	9.74
NII2C	802.11ac VHT40	NA	5710	Chain0	10.32	7.22
NII2C	802.11ac VHT40	NA	5710	Chain1	6.77	4.07
NII2C	802.11ac VHT40	NA	5710	MIMO	11.91	8.81
NII2C	802.11ac VHT80	NA	5690	Chain0	10.35	7.25
NII2C	802.11ac VHT80	NA	5690	Chain1	10.32	7.62
NII2C	802.11ac VHT80	NA	5690	MIMO	13.35	10.25

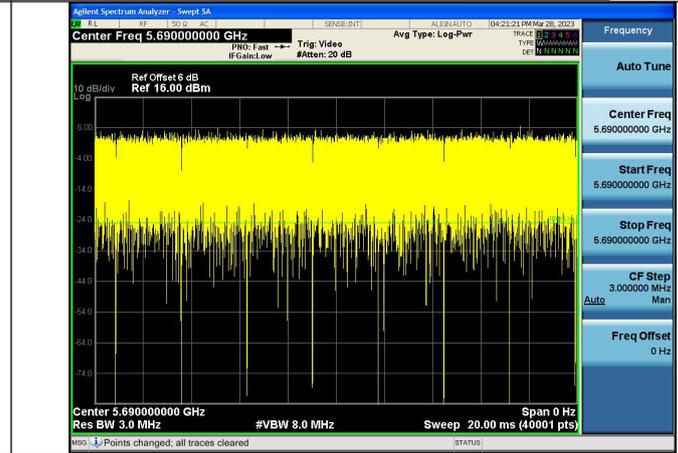| Title	Test Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII2C	802.11ax HE20	106T 53L	5720	Chain0	7.13	4.03
NII2C	802.11ax HE20	106T 54L	5720	Chain0	7.13	4.03
NII2C	802.11ax HE20	242T 61L	5720	Chain0	10.04	6.94
NII2C	802.11ax HE20	26T 0L	5720	Chain0	6.96	3.86
NII2C	802.11ax HE20	26T 4L	5720	Chain0	7.10	4.00
NII2C	802.11ax HE20	26T 8L	5720	Chain0	7.15	4.05
NII2C	802.11ax HE20	52T 37L	5720	Chain0	7.10	4.00

NII2C	802.11ax HE20	52T 39L	5720	Chain0	7.20	4.10
NII2C	802.11ax HE20	52T 40L	5720	Chain0	7.16	4.06
NII2C	802.11ax HE20	106T 53L	5720	Chain1	7.13	4.43
NII2C	802.11ax HE20	106T 54L	5720	Chain1	7.13	4.43
NII2C	802.11ax HE20	242T 61L	5720	Chain1	10.05	7.35
NII2C	802.11ax HE20	26T 0L	5720	Chain1	7.09	4.39
NII2C	802.11ax HE20	26T 4L	5720	Chain1	7.07	4.37
NII2C	802.11ax HE20	26T 8L	5720	Chain1	7.16	4.46
NII2C	802.11ax HE20	52T 37L	5720	Chain1	7.09	4.39
NII2C	802.11ax HE20	52T 39L	5720	Chain1	7.15	4.45
NII2C	802.11ax HE20	52T 40L	5720	Chain1	7.17	4.47
NII2C	802.11ax HE20	52T 40L	5720	MIMO	10.18	7.48
NII2C	802.11ax HE40	106T 53L	5710	Chain0	6.87	3.77
NII2C	802.11ax HE40	106T 55L	5710	Chain0	6.85	3.75
NII2C	802.11ax HE40	106T 56L	5710	Chain0	6.84	3.74
NII2C	802.11ax HE40	242T 61L	5710	Chain0	6.85	3.75
NII2C	802.11ax HE40	242T 62L	5710	Chain0	6.86	3.76
NII2C	802.11ax HE40	26T 0L	5710	Chain0	6.90	3.80
NII2C	802.11ax HE40	26T 10L	5710	Chain0	6.84	3.74
NII2C	802.11ax HE40	26T 17L	5710	Chain0	6.85	3.75
NII2C	802.11ax HE40	484T 65L	5710	Chain0	10.65	7.55
NII2C	802.11ax HE40	52T 37L	5710	Chain0	6.83	3.73
NII2C	802.11ax HE40	52T 41L	5710	Chain0	6.85	3.75
NII2C	802.11ax HE40	52T 44L	5710	Chain0	6.82	3.72
NII2C	802.11ax HE40	106T 53L	5710	Chain1	6.84	4.14
NII2C	802.11ax HE40	106T 55L	5710	Chain1	6.85	4.15
NII2C	802.11ax HE40	106T 56L	5710	Chain1	6.86	4.16
NII2C	802.11ax HE40	242T 61L	5710	Chain1	6.86	4.16
NII2C	802.11ax HE40	242T 62L	5710	Chain1	6.87	4.17

NII2C	802.11ax HE40	26T 0L	5710	Chain1	6.84	4.14
NII2C	802.11ax HE40	26T 10L	5710	Chain1	6.83	4.13
NII2C	802.11ax HE40	26T 17L	5710	Chain1	6.82	4.12
NII2C	802.11ax HE40	484T 65L	5710	Chain1	10.63	7.93
NII2C	802.11ax HE40	52T 37L	5710	Chain1	6.88	4.18
NII2C	802.11ax HE40	52T 41L	5710	Chain1	6.85	4.15
NII2C	802.11ax HE40	52T 44L	5710	Chain1	6.83	4.13
NII2C	802.11ax HE40	52T 44L	5710	MIMO	9.84	7.14
NII2C	802.11ax HE80	106T 53L	5690	Chain0	6.84	3.74
NII2C	802.11ax HE80	106T 57L	5690	Chain0	6.89	3.79
NII2C	802.11ax HE80	106T 60L	5690	Chain0	6.88	3.78
NII2C	802.11ax HE80	242T 61L	5690	Chain0	6.86	3.76
NII2C	802.11ax HE80	242T 63L	5690	Chain0	6.90	3.80
NII2C	802.11ax HE80	242T 64L	5690	Chain0	6.89	3.79
NII2C	802.11ax HE80	26T 0L	5690	Chain0	6.86	3.76
NII2C	802.11ax HE80	26T 18L	5690	Chain0	6.86	3.76
NII2C	802.11ax HE80	26T 36L	5690	Chain0	6.87	3.77
NII2C	802.11ax HE80	484T 65L	5690	Chain0	6.84	3.74
NII2C	802.11ax HE80	484T 66L	5690	Chain0	6.92	3.82
NII2C	802.11ax HE80	52T 37L	5690	Chain0	6.85	3.75
NII2C	802.11ax HE80	52T 45L	5690	Chain0	6.84	3.74
NII2C	802.11ax HE80	52T 52L	5690	Chain0	6.84	3.74
NII2C	802.11ax HE80	996T 67L	5690	Chain0	10.87	7.77
NII2C	802.11ax HE80	106T 53L	5690	Chain1	6.80	4.10
NII2C	802.11ax HE80	106T 57L	5690	Chain1	6.91	4.21
NII2C	802.11ax HE80	106T 60L	5690	Chain1	6.88	4.18
NII2C	802.11ax HE80	242T 61L	5690	Chain1	6.87	4.17
NII2C	802.11ax HE80	242T 63L	5690	Chain1	6.88	4.18
NII2C	802.11ax HE80	242T 64L	5690	Chain1	6.88	4.18

NII2C	802.11ax HE80	26T 0L	5690	Chain1	6.89	4.19
NII2C	802.11ax HE80	26T 18L	5690	Chain1	6.87	4.17
NII2C	802.11ax HE80	26T 36L	5690	Chain1	6.85	4.15
NII2C	802.11ax HE80	484T 65L	5690	Chain1	6.90	4.20
NII2C	802.11ax HE80	484T 66L	5690	Chain1	6.91	4.21
NII2C	802.11ax HE80	52T 37L	5690	Chain1	6.85	4.15
NII2C	802.11ax HE80	52T 45L	5690	Chain1	6.89	4.19
NII2C	802.11ax HE80	52T 52L	5690	Chain1	6.94	4.24
NII2C	802.11ax HE80	996T 67L	5690	Chain1	10.93	8.23
NII2C	802.11ax HE80	996T 67L	5690	MIMO	13.91	10.81

NII3

Title	Test Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII3	802.11a	NA	5720	Chain0	4.29	1.19
NII3	802.11a	NA	5720	Chain1	4.25	1.55
NII3	802.11n HT20	NA	5720	Chain0	4.76	1.66
NII3	802.11n HT20	NA	5720	Chain1	4.73	2.03
NII3	802.11n HT20	NA	5720	MIMO	7.76	4.66
NII3	802.11ac VHT20	NA	5720	Chain0	4.31	1.21
NII3	802.11ac VHT20	NA	5720	Chain1	4.34	1.64
NII3	802.11ac VHT20	NA	5720	MIMO	7.34	4.24
NII3	802.11n HT40	NA	5710	Chain0	1.08	-2.02
NII3	802.11n HT40	NA	5710	Chain1	1.11	-1.59
NII3	802.11n HT40	NA	5710	MIMO	4.11	1.01
NII3	802.11ac VHT40	NA	5710	Chain0	0.14	-2.96
NII3	802.11ac VHT40	NA	5710	Chain1	0.14	-2.56
NII3	802.11ac VHT40	NA	5710	MIMO	3.15	0.05
NII3	802.11ac VHT80	NA	5690	Chain0	-2.28	-5.38
NII3	802.11ac VHT80	NA	5690	Chain1	-2.32	-5.02

NII3	802.11ac VHT80	NA	5690	MIMO	0.71	-2.39

Title	Test Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
NII3	802.11ax HE20	106T 53R	5720	Chain0	-21.99	-25.09
NII3	802.11ax HE20	106T 54R	5720	Chain0	-21.91	-25.01
NII3	802.11ax HE20	242T 61R	5720	Chain0	5.26	2.16
NII3	802.11ax HE20	26T 0R	5720	Chain0	-21.70	-24.80
NII3	802.11ax HE20	26T 4R	5720	Chain0	-22.01	-25.11
NII3	802.11ax HE20	26T 8R	5720	Chain0	-22.04	-25.14
NII3	802.11ax HE20	52T 37R	5720	Chain0	-22.02	-25.12
NII3	802.11ax HE20	52T 39R	5720	Chain0	-21.94	-25.04
NII3	802.11ax HE20	52T 40R	5720	Chain0	-21.90	-25.00
NII3	802.11ax HE20	106T 53R	5720	Chain1	-21.93	-24.63
NII3	802.11ax HE20	106T 54R	5720	Chain1	-21.97	-24.67
NII3	802.11ax HE20	242T 61R	5720	Chain1	5.23	2.53
NII3	802.11ax HE20	26T 0R	5720	Chain1	-21.97	-24.67
NII3	802.11ax HE20	26T 4R	5720	Chain1	-21.83	-24.53
NII3	802.11ax HE20	26T 8R	5720	Chain1	-22.00	-24.70
NII3	802.11ax HE20	52T 37R	5720	Chain1	-22.22	-24.92
NII3	802.11ax HE20	52T 39R	5720	Chain1	-22.08	-24.78
NII3	802.11ax HE20	52T 40R	5720	Chain1	-21.84	-24.54
NII3	802.11ax HE20	52T 40R	5720	MIMO	-18.86	-21.96
NII3	802.11ax HE40	106T 53R	5710	Chain0	-39.29	-42.39
NII3	802.11ax HE40	106T 55R	5710	Chain0	-39.24	-42.34
NII3	802.11ax HE40	106T 56R	5710	Chain0	-39.20	-42.30
NII3	802.11ax HE40	242T 61R	5710	Chain0	-39.32	-42.42
NII3	802.11ax HE40	242T 62R	5710	Chain0	-39.18	-42.28
NII3	802.11ax HE40	26T 0R	5710	Chain0	-39.16	-42.26

NII3	802.11ax HE40	26T 10R	5710	Chain0	-39.19	-42.29
NII3	802.11ax HE40	26T 17R	5710	Chain0	-39.20	-42.30
NII3	802.11ax HE40	484T 65R	5710	Chain0	1.29	-1.81
NII3	802.11ax HE40	52T 37R	5710	Chain0	-39.27	-42.37
NII3	802.11ax HE40	52T 41R	5710	Chain0	-39.14	-42.24
NII3	802.11ax HE40	52T 44R	5710	Chain0	-39.40	-42.50
NII3	802.11ax HE40	106T 53R	5710	Chain1	-39.27	-41.97
NII3	802.11ax HE40	106T 55R	5710	Chain1	-39.09	-41.79
NII3	802.11ax HE40	106T 56R	5710	Chain1	-39.31	-42.01
NII3	802.11ax HE40	242T 61R	5710	Chain1	-39.24	-41.94
NII3	802.11ax HE40	242T 62R	5710	Chain1	-39.12	-41.82
NII3	802.11ax HE40	26T 0R	5710	Chain1	-39.16	-41.86
NII3	802.11ax HE40	26T 10R	5710	Chain1	-39.35	-42.05
NII3	802.11ax HE40	26T 17R	5710	Chain1	-39.30	-42.00
NII3	802.11ax HE40	484T 65R	5710	Chain1	1.31	-1.39
NII3	802.11ax HE40	52T 37R	5710	Chain1	-39.27	-41.97
NII3	802.11ax HE40	52T 41R	5710	Chain1	-39.22	-41.92
NII3	802.11ax HE40	52T 44R	5710	Chain1	-39.35	-42.05
NII3	802.11ax HE40	52T 44R	5710	MIMO	-36.36	-39.46
NII3	802.11ax HE80	106T 53R	5690	Chain0	-43.35	-46.45
NII3	802.11ax HE80	106T 57R	5690	Chain0	-43.37	-46.47
NII3	802.11ax HE80	106T 60R	5690	Chain0	-43.61	-46.71
NII3	802.11ax HE80	242T 61R	5690	Chain0	-43.74	-46.84
NII3	802.11ax HE80	242T 63R	5690	Chain0	-43.72	-46.82
NII3	802.11ax HE80	242T 64R	5690	Chain0	-43.67	-46.77
NII3	802.11ax HE80	26T 0R	5690	Chain0	-43.39	-46.49
NII3	802.11ax HE80	26T 18R	5690	Chain0	-43.51	-45.81
NII3	802.11ax HE80	26T 36R	5690	Chain0	-43.51	-45.81
NII3	802.11ax HE80	484T 65R	5690	Chain0	-43.54	-45.84

NII3	802.11ax HE80	484T 66R	5690	Chain0	-43.78	-46.88
NII3	802.11ax HE80	52T 37LR	5690	Chain0	-43.54	-45.84
NII3	802.11ax HE80	52T 45R	5690	Chain0	-43.41	-46.51
NII3	802.11ax HE80	52T 52R	5690	Chain0	-43.60	-46.70
NII3	802.11ax HE80	996T 67R	5690	Chain0	-0.98	-4.08
NII3	802.11ax HE80	106T 53R	5690	Chain1	-43.26	-45.66
NII3	802.11ax HE80	106T 57R	5690	Chain1	-43.65	-46.35
NII3	802.11ax HE80	106T 60R	5690	Chain1	-43.61	-46.31
NII3	802.11ax HE80	242T 61R	5690	Chain1	-43.50	-45.40
NII3	802.11ax HE80	242T 63R	5690	Chain1	-43.65	-46.35
NII3	802.11ax HE80	242T 64R	5690	Chain1	-43.86	-46.56
NII3	802.11ax HE80	26T 0R	5690	Chain1	-43.55	-45.45
NII3	802.11ax HE80	26T 18R	5690	Chain1	-43.49	-46.19
NII3	802.11ax HE80	26T 36R	5690	Chain1	-43.31	-46.01
NII3	802.11ax HE80	484T 65R	5690	Chain1	-43.52	-45.42
NII3	802.11ax HE80	484T 66R	5690	Chain1	-43.38	-46.08
NII3	802.11ax HE80	52T 37LR	5690	Chain1	-43.69	-46.39
NII3	802.11ax HE80	52T 45R	5690	Chain1	-43.90	-46.60
NII3	802.11ax HE80	52T 52R	5690	Chain1	-43.45	-46.15
NII3	802.11ax HE80	996T 67R	5690	Chain1	-0.92	-3.62
NII3	802.11ax HE80	996T 67R	5690	MIMO	2.06	-1.04

Emission Bandwidth

NII2C

Offset 12.1dB = Attenuator + Temporary antenna connector loss + Cable loss

26dB Bandwidth (MHz)				
Title	Test Mode	Antenna	Channel No.144	
			5720MHz	
NII2C	802.11a	Chain0	16.52	
NII2C	802.11a	Chain1	16.40	
NII2C	802.11n HT20	Chain0	16.64	
NII2C	802.11n HT20	Chain1	16.58	
NII2C	802.11ac VHT20	Chain0	16.34	
NII2C	802.11ac VHT20	Chain1	16.40	
NII2C	802.11ax HE20	Chain0	16.46	
NII2C	802.11ax HE20	Chain1	16.22	

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	Channel No.142
			5710MHz
NII2C	802.11n HT40	Chain0	36.72
NII2C	802.11n HT40	Chain1	37.44
NII2C	802.11ac VHT40	Chain0	37.20
NII2C	802.11ac VHT40	Chain1	36.60
NII2C	802.11ax HE40	Chain0	37.20
NII2C	802.11ax HE40	Chain1	36.60

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	Channel No.138
			5690MHz
NII2C	802.11ac VHT80	Chain0	79.88
NII2C	802.11ac VHT80	Chain1	79.88
NII2C	802.11ax HE80	Chain0	77.96
NII2C	802.11ax HE80	Chain1	77.00

NII3

Offset 12.1dB = Attenuator + Temporary antenna connector loss + Cable loss

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	Channel No.144 5720MHz
NII3	802.11a	Chain0	6.58
NII3	802.11a	Chain1	6.58
NII3	802.11n HT20	Chain0	6.94
NII3	802.11n HT20	Chain1	6.40
NII3	802.11ac VHT20	Chain0	6.52
NII3	802.11ac VHT20	Chain1	6.40
NII3	802.11ax HE20	Chain0	6.52
NII3	802.11ax HE20	Chain1	6.64

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	Channel No.142 5710MHz
NII3	802.11n HT40	Chain0	7.56
NII3	802.11n HT40	Chain1	7.08
NII3	802.11ac VHT40	Chain0	6.96
NII3	802.11ac VHT40	Chain1	6.72
NII3	802.11ax HE40	Chain0	7.56
NII3	802.11ax HE40	Chain1	6.72

26dB Bandwidth (MHz)			
Title	Test Mode	Antenna	Channel No.138 5690MHz
NII3	802.11ac VHT80	Chain0	11.32
NII3	802.11ac VHT80	Chain1	9.88
NII3	802.11ax HE80	Chain0	9.64
NII3	802.11ax HE80	Chain1	7.96

Test Mode: 802.11a

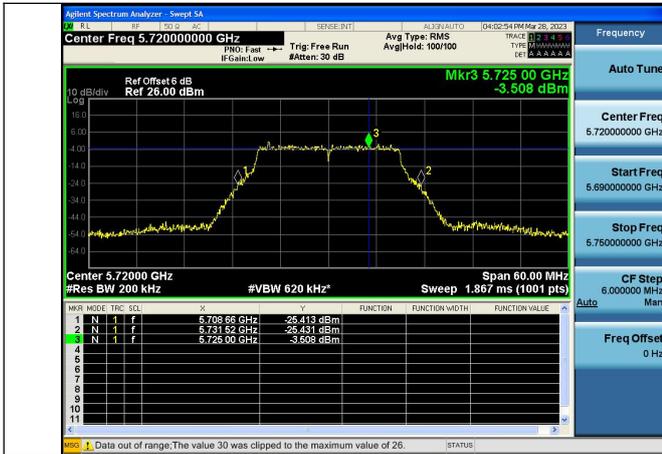| Test Mode:802.11a 5720MHz Chain0 NII2C	Test Mode:802.11a 5720MHz Chain1 NII2C

Test Mode: 802.11n HT20

Test Mode:802.11n HT20 5720MHz Chain0 NII2C

Test Mode:802.11n HT20 5720MHz Chain1 NII2C
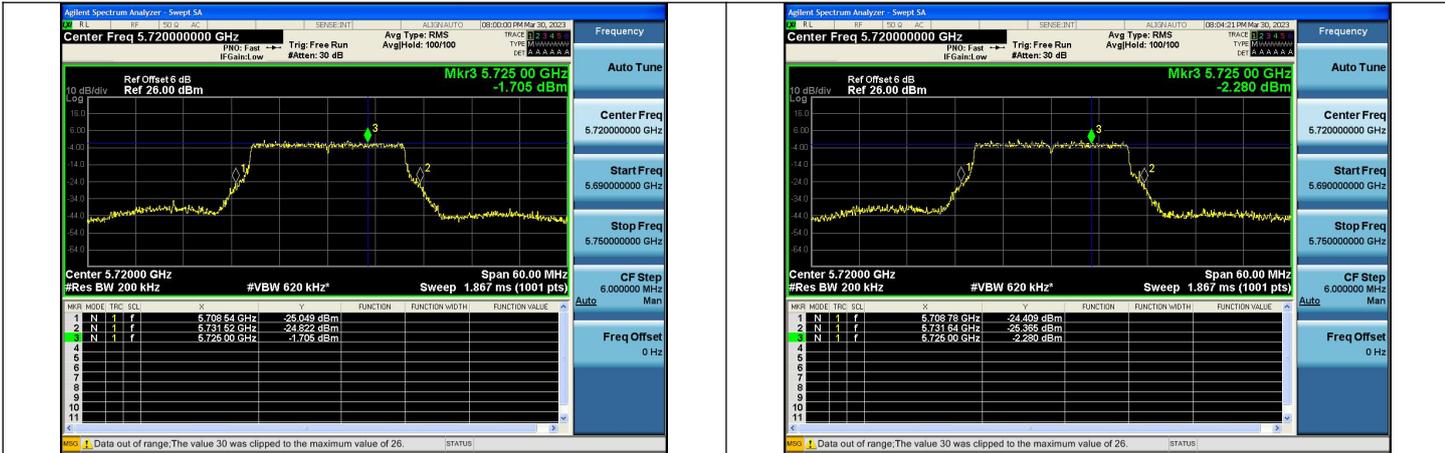
Test Mode: 802.11ac VHT20

Test Mode:802.11ac VHT20 5720MHz Chain0 NII2C

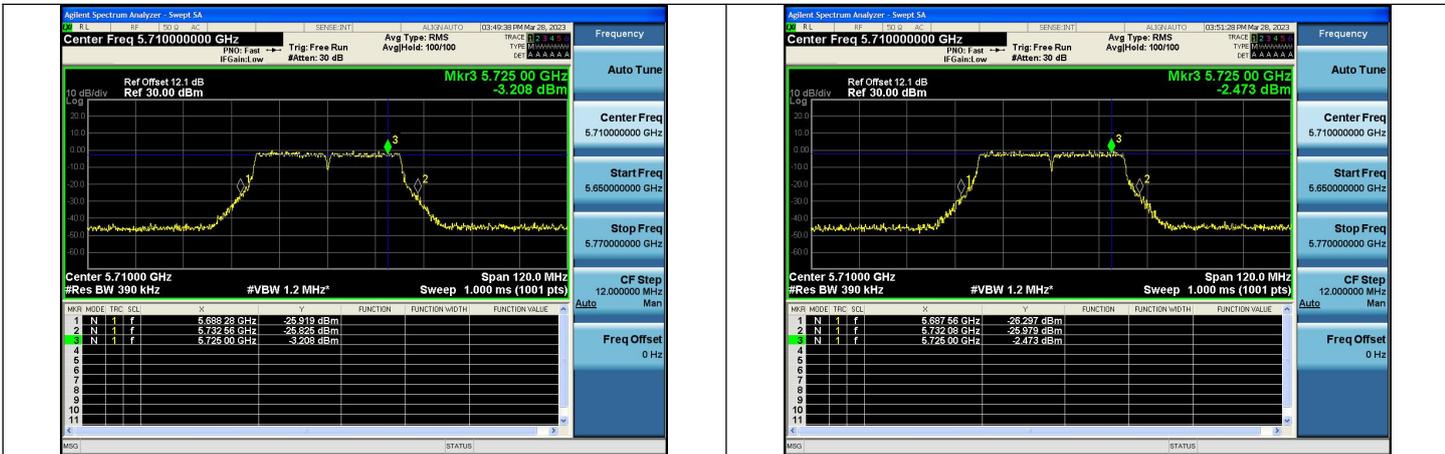Test Mode:802.11ac VHT20 5720MHz Chain1 NII2C

Test Mode: 802.11ax HE20

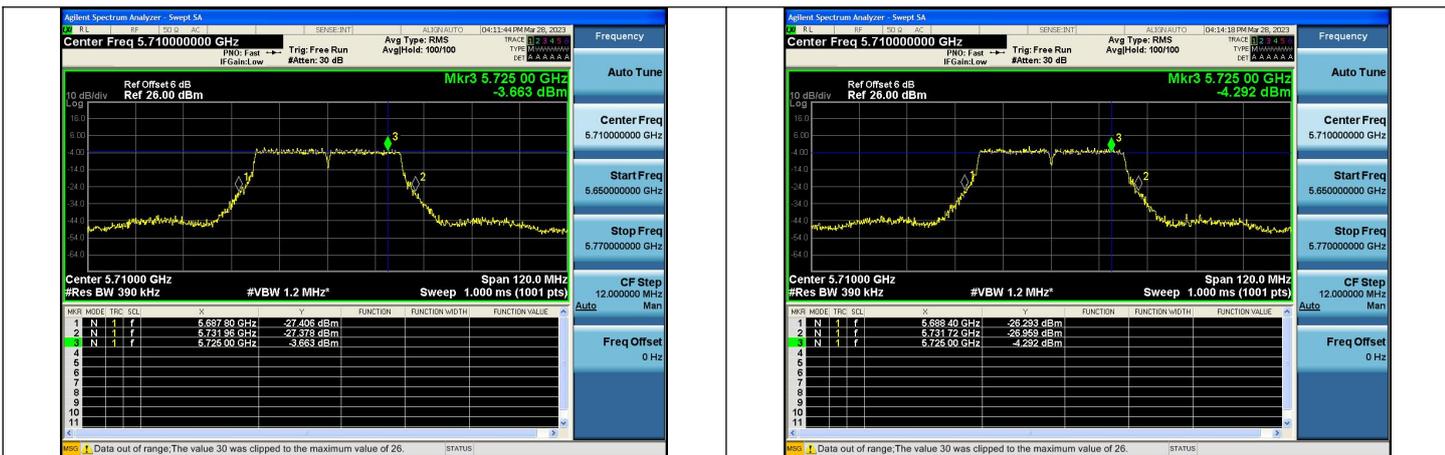| Test Mode:802.11ax HE20 5720MHz Chain0 NII2C | Test Mode:802.11ax HE20 5720MHz Chain1 NII2C |

Test Mode: 802.11n HT40

| Test Mode:802.11n HT40 5710MHz Chain0 NII2C | Test Mode:802.11n HT40 5710MHz Chain1 NII2C |

Test Mode: 802.11ac VHT40

| Test Mode:802.11ac VHT40 5710MHz Chain0 NII2C | Test Mode:802.11ac VHT40 5710MHz Chain1 NII2C |