

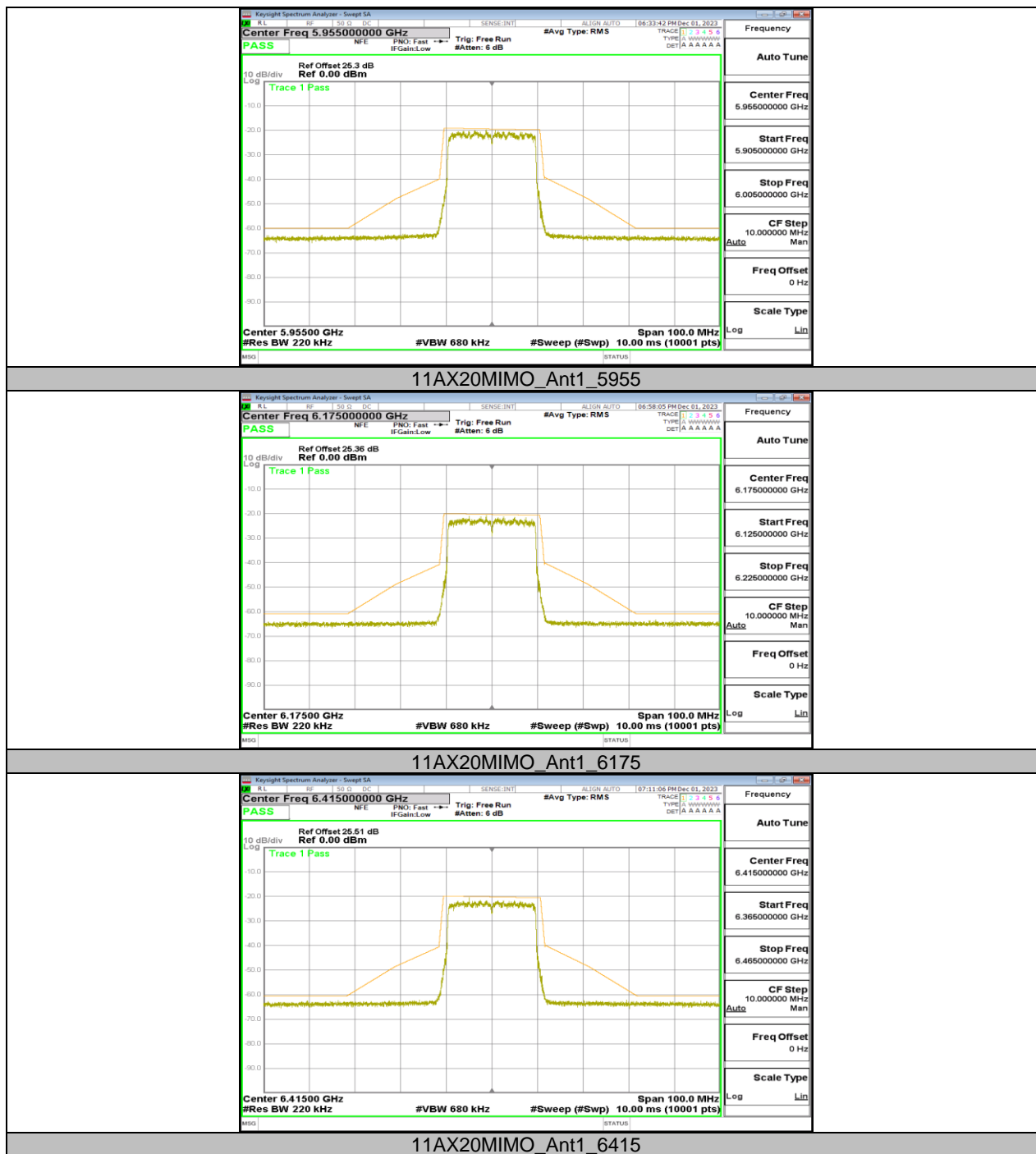
11.6. APPENDIX E: INBAND EMISSIONS

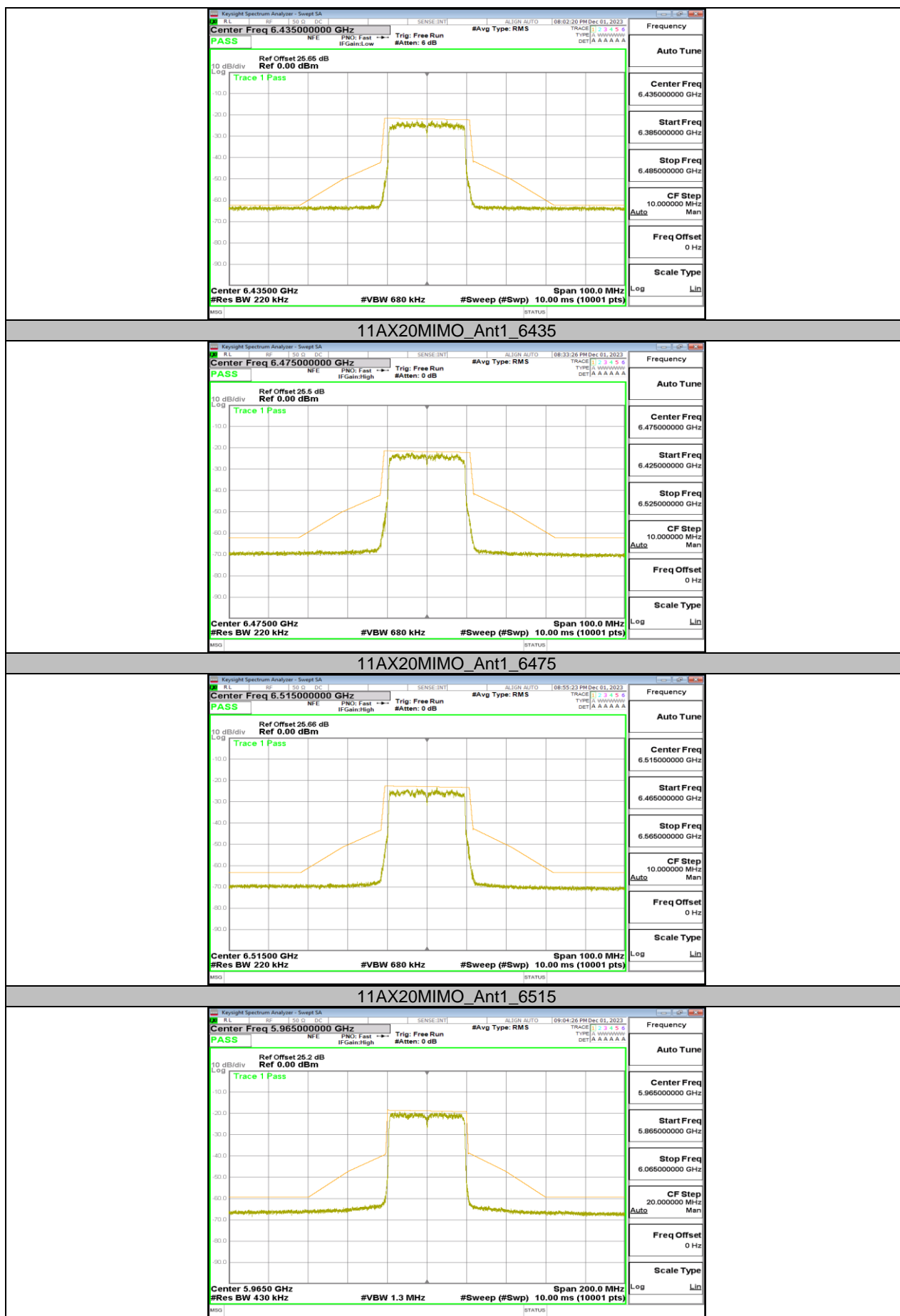
11.6.1. Test Result

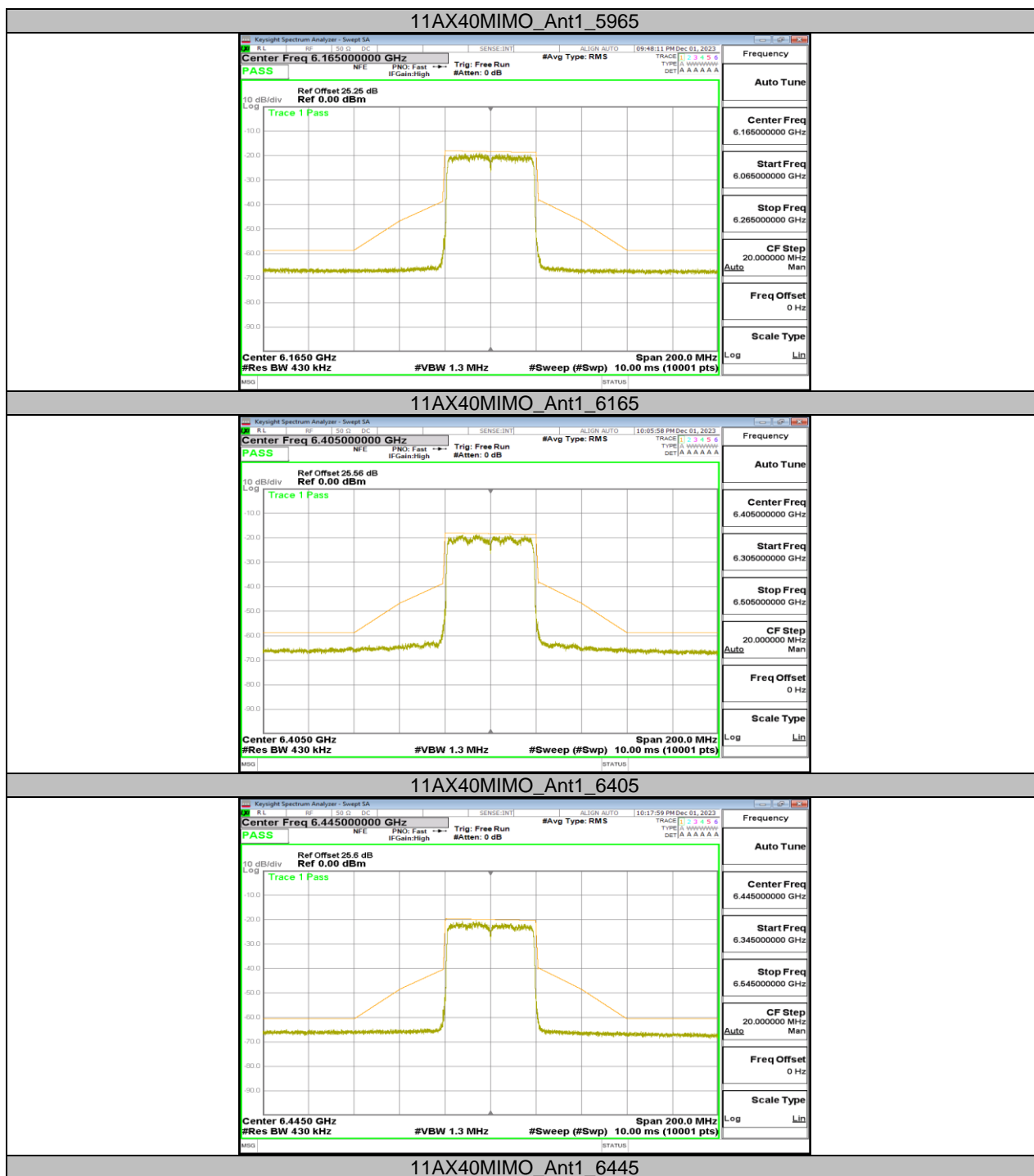
Test Mode	Antenna	Frequency[MHz]	Result	Limit	Verdict
11AX20MIMO	Ant1	5955	See test graph	See test graph	PASS
		6175	See test graph	See test graph	PASS
		6415	See test graph	See test graph	PASS
		6435	See test graph	See test graph	PASS
		6475	See test graph	See test graph	PASS
		6515	See test graph	See test graph	PASS
11AX40MIMO	Ant1	5965	See test graph	See test graph	PASS
		6165	See test graph	See test graph	PASS
		6405	See test graph	See test graph	PASS
		6445	See test graph	See test graph	PASS
		6485	See test graph	See test graph	PASS
11AX80MIMO	Ant1	5985	See test graph	See test graph	PASS
		6145	See test graph	See test graph	PASS
		6385	See test graph	See test graph	PASS
		6465	See test graph	See test graph	PASS

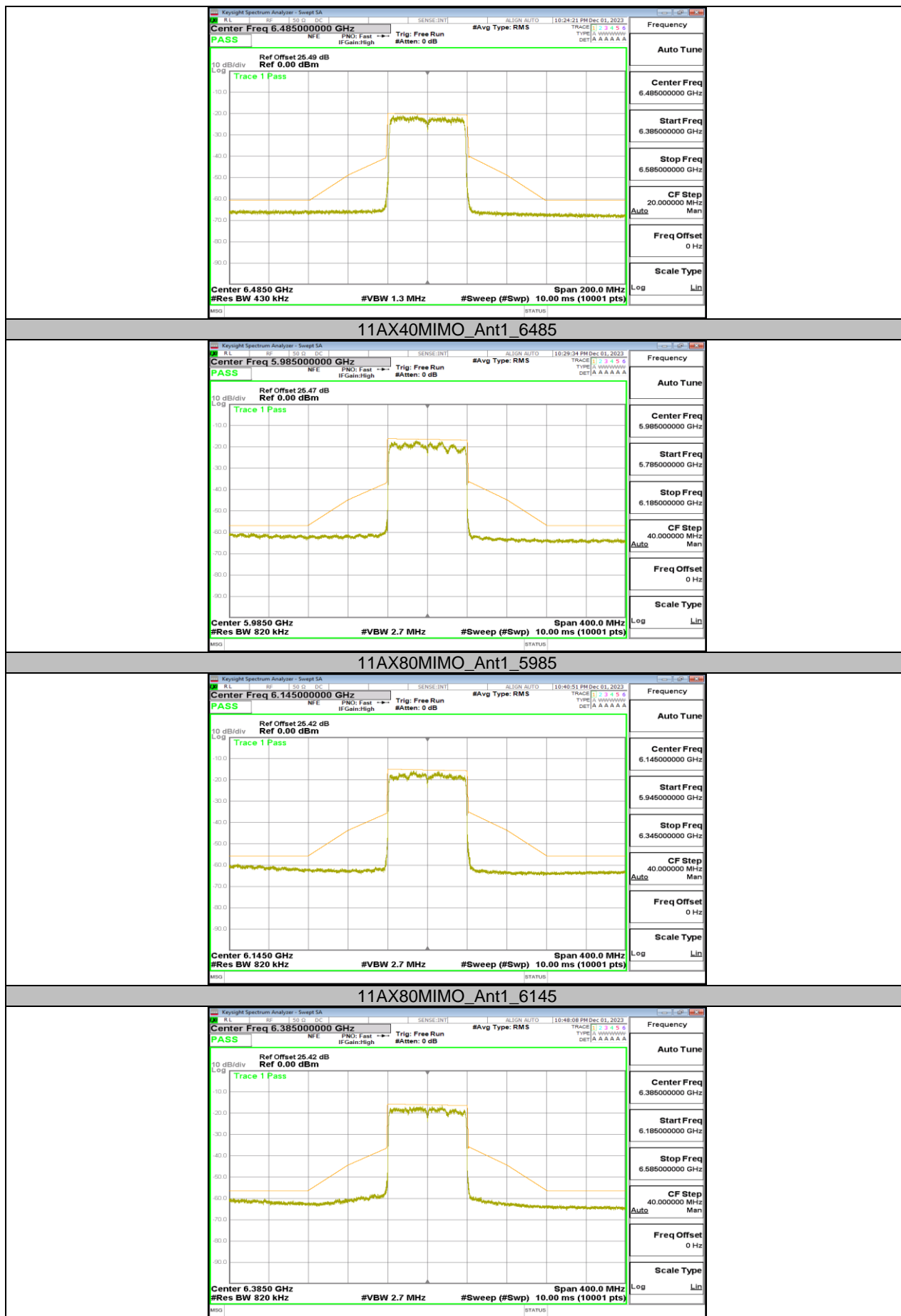
Note: Both the two antenna had been tested, but only the worst data was recorded in the report.

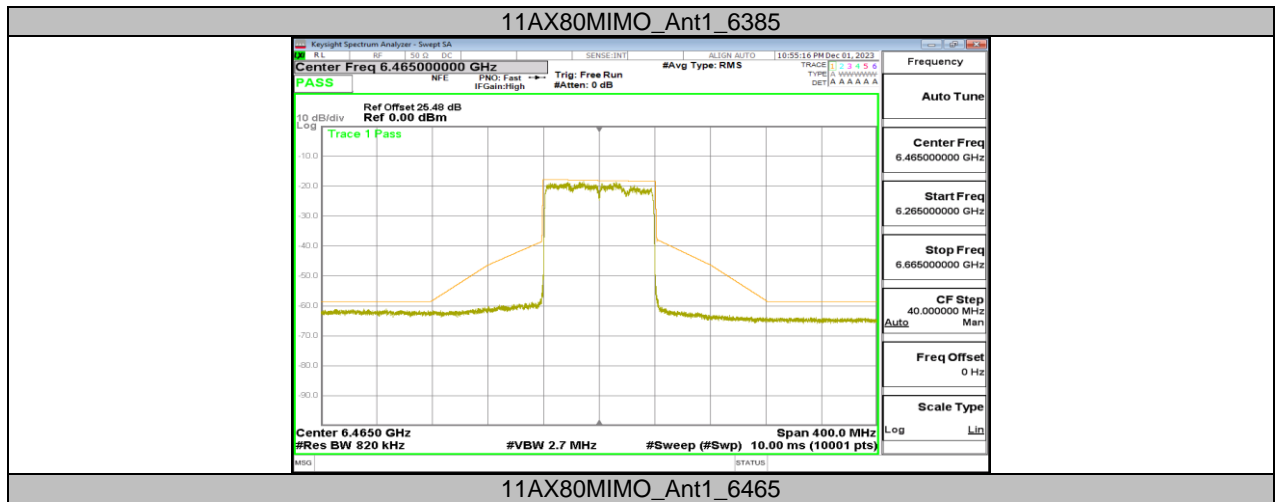
11.6.2. Test Graphs











Note: Both the two antenna had been tested, but only the worst data was recorded in the report.

11.7. APPENDIX F: CONTENTION BASED PROTOCOL

11.7.1. Test Result

Test Mode	Antenna	EUT Frequency	AWGN Frequency	Injected AWGN Power	Minimum Antenna Gain	Path Loss	Adjusted Power Result	Limit	UT Tx Status
		[MHz]	[MHz]	[dBm]	[dBi]	[dB]	[dBm]	[dBm]	(Note 1)
11AX20-MIMO	Ant1	6415	6415	-69.35	2.65	2.00	-70.00	-62	ON
				-64.90	2.65	2.00	-65.55	-62	Minimal
				-61.48	2.65	2.00	-62.13	-62	OFF
		6475	6475	-69.35	2.65	2.00	-70.00	-62	ON
				-65.02	2.65	2.00	-65.67	-62	Minimal
				-61.63	2.65	2.00	-62.28	-62	OFF
11AX80-MIMO	Ant1	6145	6110	-69.35	2.65	2.00	-70.00	-62	ON
				-64.73	2.65	2.00	-65.38	-62	Minimal
				-61.80	2.65	2.00	-62.45	-62	OFF
			6145	-69.35	2.65	2.00	-70.00	-62	ON
				-63.94	2.65	2.00	-64.59	-62	Minimal
				-61.65	2.65	2.00	-62.30	-62	OFF
			6180	-69.35	2.65	2.00	-70.00	-62	ON
				-65.10	2.65	2.00	-65.75	-62	Minimal
				-61.71	2.65	2.00	-62.36	-62	OFF
		6465	6430	-69.35	2.65	2.00	-70.00	-62	ON
				-64.01	2.65	2.00	-64.66	-62	Minimal
				-61.60	2.65	2.00	-62.25	-62	OFF
			6465	-69.35	2.65	2.00	-70.00	-62	ON
				-64.78	2.65	2.00	-65.43	-62	Minimal
				-61.81	2.65	2.00	-62.46	-62	OFF
			6500	-69.35	2.65	2.00	-70.00	-62	ON
				-63.81	2.65	2.00	-64.46	-62	Minimal
				-61.78	2.65	2.00	-62.43	-62	OFF

Note 1: The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
- Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.
- ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds.

Note 2: Detection Level/Adjusted Power Result = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB), Adjusted Power Result is the Detection Level and the value the table is the final result which had already consider the Path Loss and the Antenna Gain.

Note 3: The EUT does not support channel puncturing.

Note 4: The EUT does not support channel bandwidth reduction.

Note 5: All modes and antennas had been tested, but only the worst data was recorded in the report.

Test Mode	Antenna	Frequency[MHz]	Interference Frequency [MHz]		Test Number [n]	Number Detected [n]	Result [%]	Limit [%]	Verdict
11AX20MIMO	Ant1	6415	Center	6415	10	10	100	90	PASS
		6475	Center	6475	10	10	100	90	PASS

Test Mode	Antenna	Frequency[MHz]	Interference Frequency [MHz]		Test Time	Is Detected	Verdict
11AX20MIMO	Ant1	6415	Center	6415	1	Yes	PASS
			Center	6415	2	Yes	PASS
			Center	6415	3	Yes	PASS
			Center	6415	4	Yes	PASS
			Center	6415	5	Yes	PASS
			Center	6415	6	Yes	PASS
			Center	6415	7	Yes	PASS
			Center	6415	8	Yes	PASS
			Center	6415	9	Yes	PASS
			Center	6415	10	Yes	PASS
		6475	Center	6475	1	Yes	PASS
			Center	6475	2	Yes	PASS
			Center	6475	3	Yes	PASS
			Center	6475	4	Yes	PASS
			Center	6475	5	Yes	PASS
			Center	6475	6	Yes	PASS
			Center	6475	7	Yes	PASS
			Center	6475	8	Yes	PASS
			Center	6475	9	Yes	PASS
			Center	6475	10	Yes	PASS

Note: All modes and antennas had been tested, but only the worst data was recorded in the report.

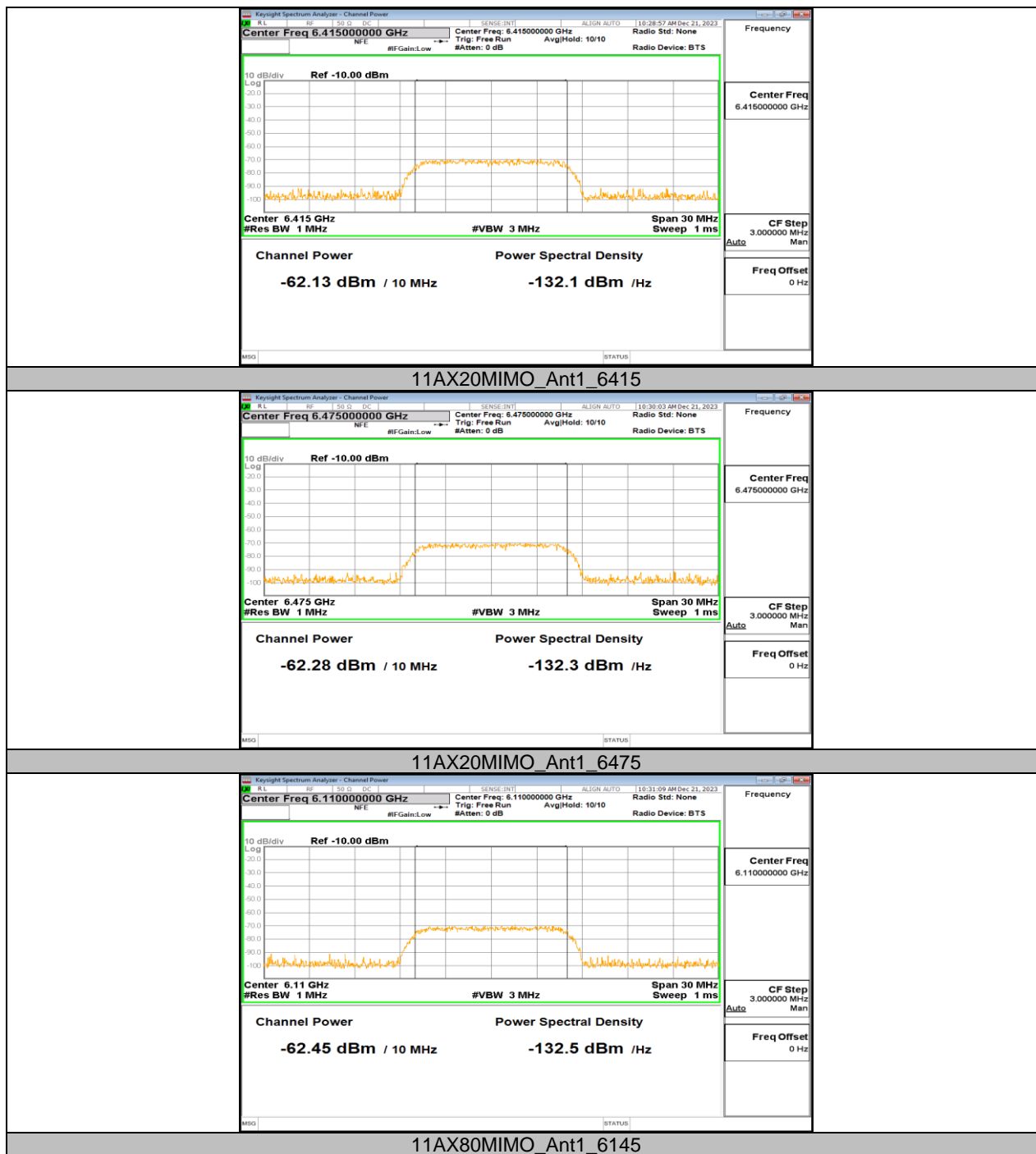
Test Mode	Antenna	Frequency [MHz]	Interference Frequency [MHz]		Test Number [n]	Number Detected [n]	Result [%]	Limit [%]	Verdict
11AX80MIMO	Ant1	6145	Low	6110	10	10	100	90	PASS
			Center	6145	10	10	100	90	PASS
			High	6180	10	10	100	90	PASS
		6465	Low	6430	10	10	100	90	PASS
			Center	6465	10	10	100	90	PASS
			High	6500	10	10	100	90	PASS

Test Mode	Antenna	Frequency [MHz]	Interference Frequency [MHz]		Test Time	Is Detected	Verdict
11AX80MIMO	Ant1	6145	Low	6110	1	Yes	PASS
			Low	6110	2	Yes	PASS
			Low	6110	3	Yes	PASS
			Low	6110	4	Yes	PASS
			Low	6110	5	Yes	PASS
			Low	6110	6	Yes	PASS
			Low	6110	7	Yes	PASS
			Low	6110	8	Yes	PASS
			Low	6110	9	Yes	PASS
			Low	6110	10	Yes	PASS
			Center	6145	1	Yes	PASS
			Center	6145	2	Yes	PASS
			Center	6145	3	Yes	PASS
			Center	6145	4	Yes	PASS
			Center	6145	5	Yes	PASS
			Center	6145	6	Yes	PASS
			Center	6145	7	Yes	PASS
			Center	6145	8	Yes	PASS
			Center	6145	9	Yes	PASS
			Center	6145	10	Yes	PASS
			High	6180	1	Yes	PASS
			High	6180	2	Yes	PASS
			High	6180	3	Yes	PASS
			High	6180	4	Yes	PASS
			High	6180	5	Yes	PASS
			High	6180	6	Yes	PASS
			High	6180	7	Yes	PASS
			High	6180	8	Yes	PASS
			High	6180	9	Yes	PASS
			High	6180	10	Yes	PASS
		6465	Low	6430	1	Yes	PASS
			Low	6430	2	Yes	PASS
			Low	6430	3	Yes	PASS
			Low	6430	4	Yes	PASS
			Low	6430	5	Yes	PASS
			Low	6430	6	Yes	PASS
			Low	6430	7	Yes	PASS
			Low	6430	8	Yes	PASS
			Low	6430	9	Yes	PASS
			Low	6430	10	Yes	PASS
			Center	6465	1	Yes	PASS
			Center	6465	2	Yes	PASS
			Center	6465	3	Yes	PASS
			Center	6465	4	Yes	PASS
			Center	6465	5	Yes	PASS
			Center	6465	6	Yes	PASS
			Center	6465	7	Yes	PASS
			Center	6465	8	Yes	PASS
			Center	6465	9	Yes	PASS

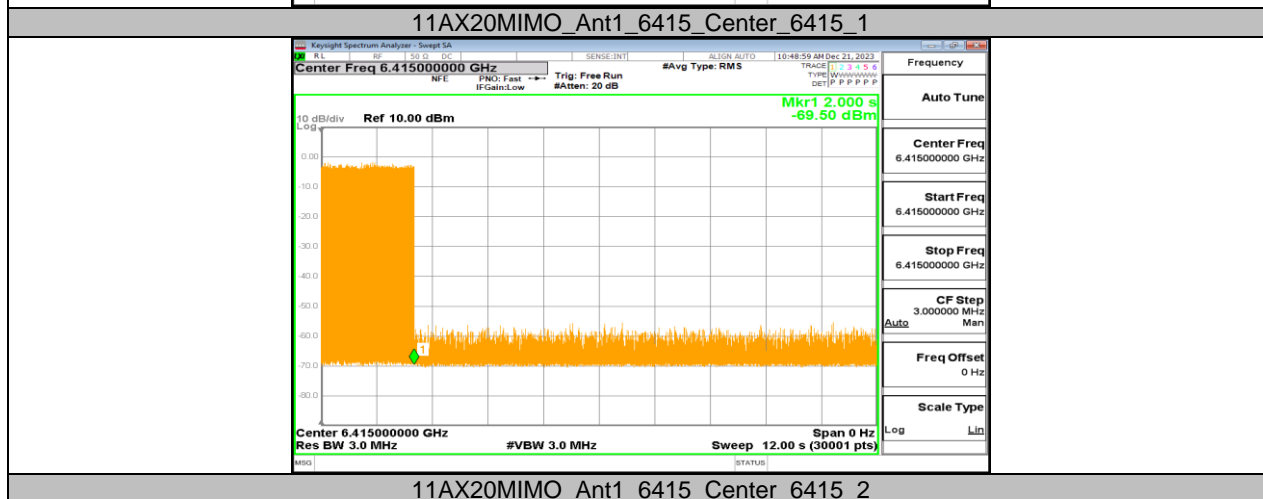
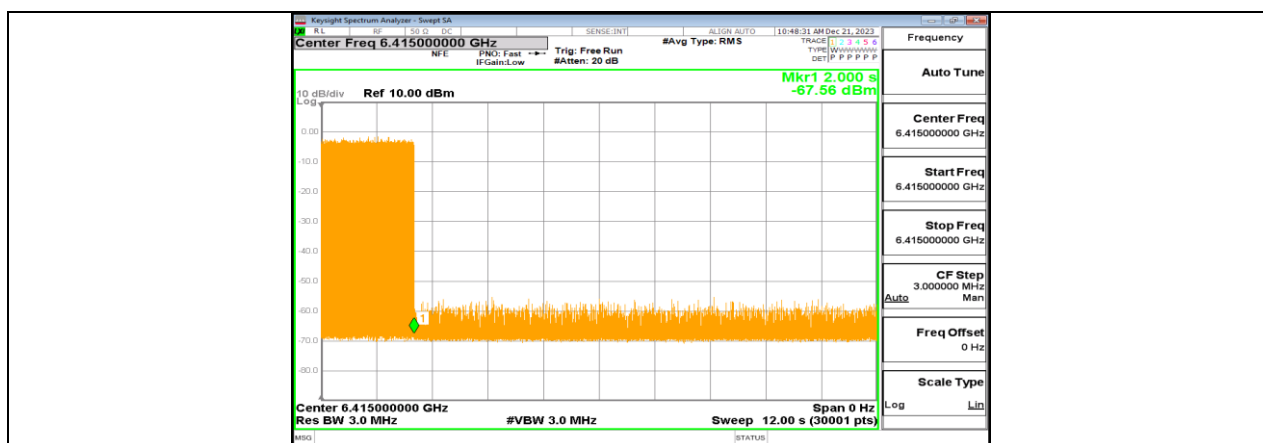
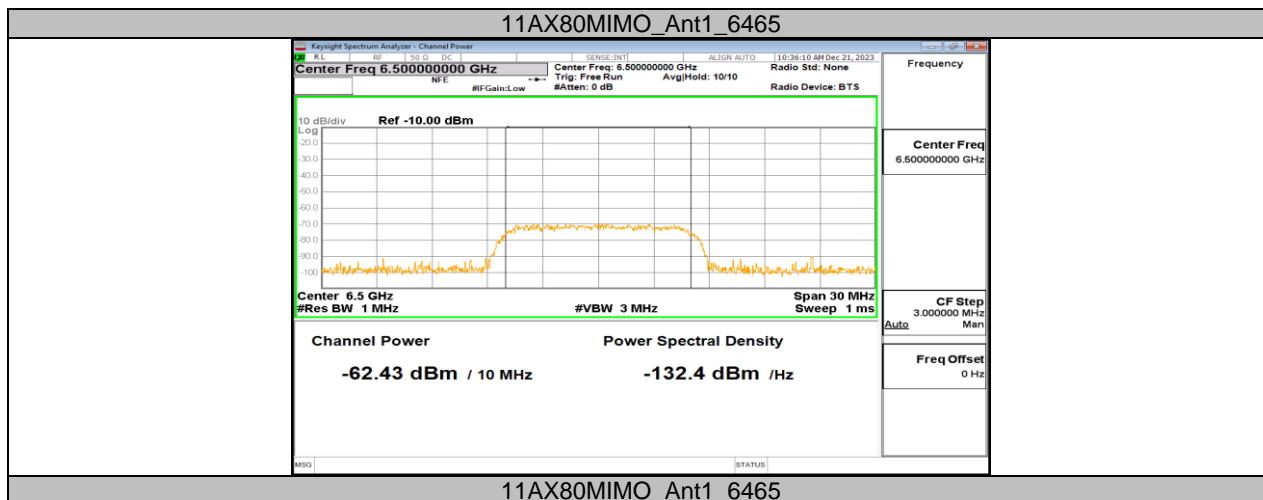
			Center	6465	10	Yes	PASS
			High	6500	1	Yes	PASS
			High	6500	2	Yes	PASS
			High	6500	3	Yes	PASS
			High	6500	4	Yes	PASS
			High	6500	5	Yes	PASS
			High	6500	6	Yes	PASS
			High	6500	7	Yes	PASS
			High	6500	8	Yes	PASS
			High	6500	9	Yes	PASS
			High	6500	10	Yes	PASS

Note: All modes and antennas had been tested, but only the worst data was recorded in the report.

11.7.2. Test Graphs

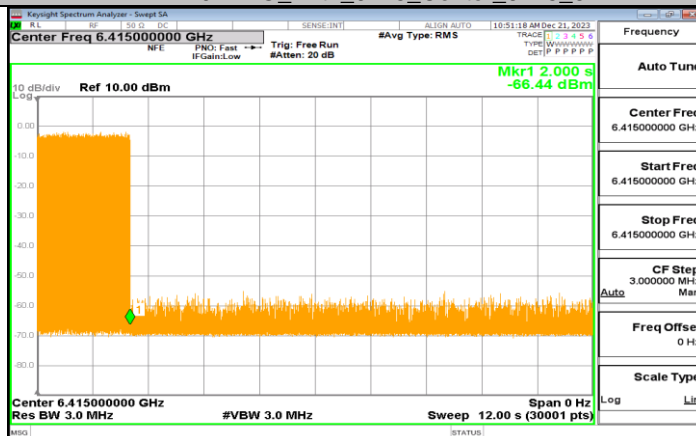




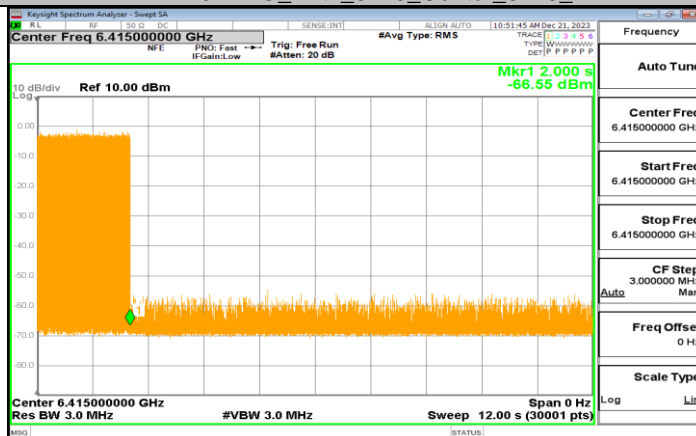




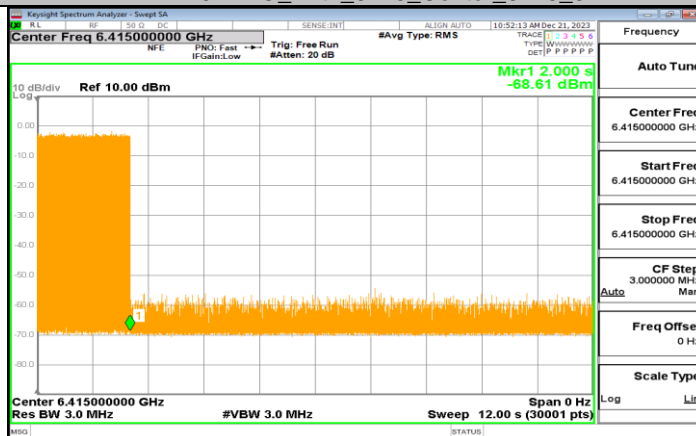
11AX20MIMO_Ant1_6415_Center_6415_6



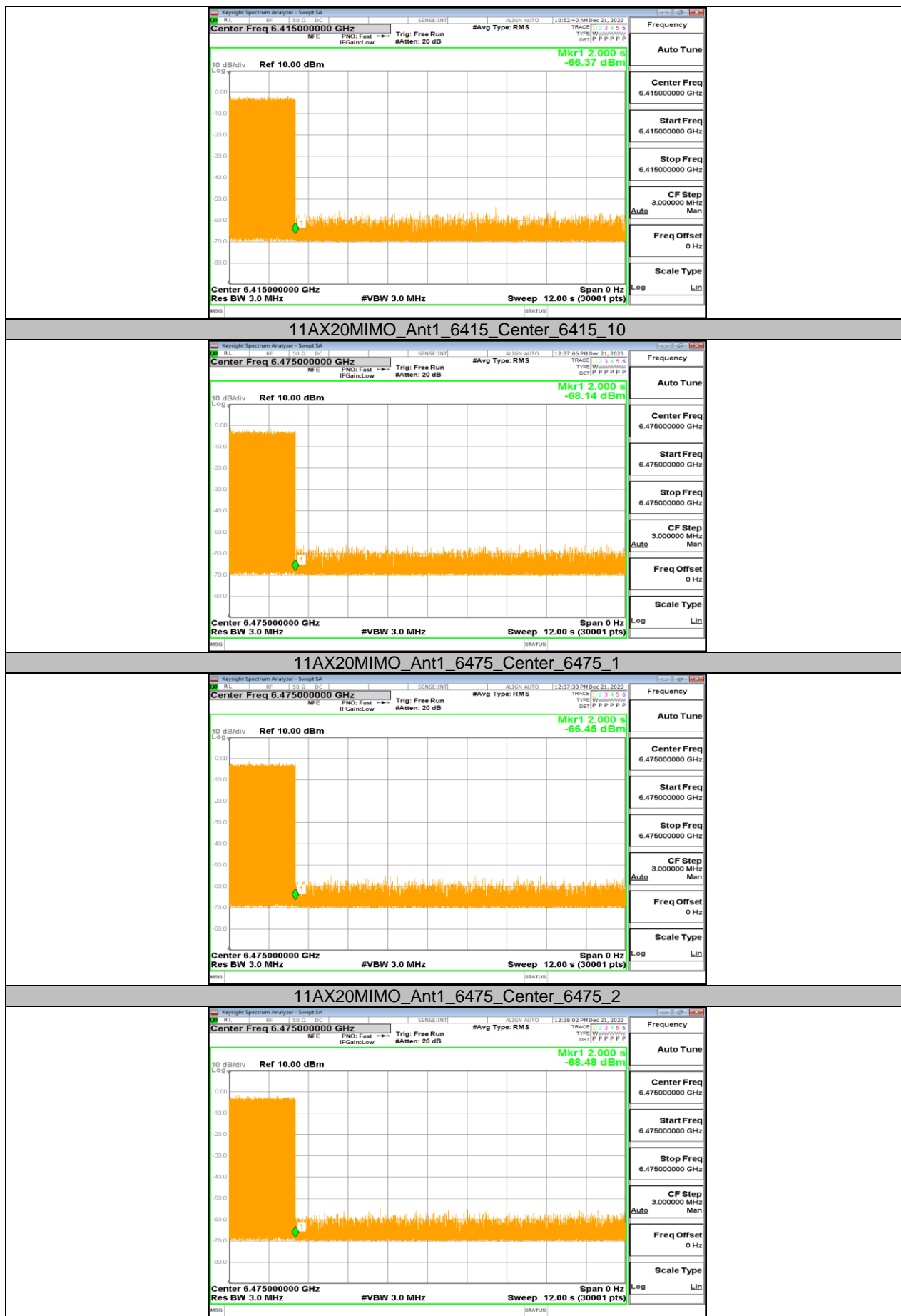
11AX20MIMO_Ant1_6415_Center_6415_7



11AX20MIMO_Ant1_6415_Center_6415_8



11AX20MIMO_Ant1_6415_Center_6415_9







Note: All modes and antennas had been tested, but only the worst data was recorded in the report.

11.8. APPENDIX G: FREQUENCY STABILITY

11.8.1. Test Result

Frequency Error vs. Voltage									
802.11ax HE20: 6175 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	6174.9938	-1.01	6175.0004	0.07	6174.9836	-2.66	6174.9752	-4.02
TN	VN	6175.0239	3.87	6174.9947	-0.86	6175.0202	3.27	6174.9939	-0.99
TN	VH	6174.9900	-1.62	6174.9958	-0.68	6175.0229	3.70	6174.9951	-0.79
Frequency Error vs. Temperature									
802.11ax HE20: 6175 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	6175.0199	3.21	6175.0106	1.71	6175.0081	1.31	6175.0020	0.32
60	VN	6174.9924	-1.23	6174.9751	-4.03	6175.0230	3.72	6175.0160	2.59
50	VN	6175.0019	0.31	6174.9957	-0.70	6174.9964	-0.58	6175.0036	0.58
40	VN	6174.9782	-3.53	6175.0011	0.17	6175.0136	2.20	6174.9910	-1.46
30	VN	6175.0096	1.55	6175.0023	0.38	6175.0234	3.79	6174.9823	-2.86
20	VN	6174.9763	-3.83	6174.9916	-1.35	6174.9829	-2.77	6175.0136	2.20
10	VN	6174.9768	-3.76	6174.9996	-0.06	6174.9798	-3.28	6175.0114	1.85
0	VN	6174.9785	-3.49	6174.9851	-2.41	6175.0211	3.41	6174.9870	-2.10
-10	VN	6175.0225	3.64	6174.9948	-0.84	6174.9994	-0.09	6175.0071	1.15

Frequency Error vs. Voltage									
802.11ax HE20: 6475 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	6475.0198	3.05	6474.9757	-3.75	6474.9820	-2.78	6474.9870	-2.00
TN	VN	6474.9885	-1.78	6474.9905	-1.46	6474.9771	-3.53	6475.0031	0.48
TN	VH	6474.9830	-2.62	6475.0137	2.12	6475.0188	2.90	6475.0140	2.16
Frequency Error vs. Temperature									
802.11ax HE20: 6475 MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	6474.9986	-0.21	6475.0140	2.17	6474.9753	-3.82	6475.0059	0.91
60	VN	6474.9786	-3.30	6475.0062	0.96	6474.9847	-2.36	6475.0002	0.03
50	VN	6475.0165	2.55	6475.0173	2.68	6474.9949	-0.79	6475.0124	1.92
40	VN	6474.9816	-2.85	6475.0139	2.14	6475.0184	2.84	6474.9948	-0.81
30	VN	6474.9752	-3.84	6474.9818	-2.81	6475.0183	2.82	6474.9945	-0.86
20	VN	6474.9893	-1.65	6475.0054	0.84	6475.0248	3.83	6474.9874	-1.95
10	VN	6475.0054	0.84	6474.9848	-2.34	6474.9783	-3.36	6475.0221	3.41
0	VN	6474.9764	-3.65	6475.0041	0.63	6475.0174	2.69	6475.0059	0.92
-10	VN	6475.0226	3.50	6474.9900	-1.55	6475.0026	0.41	6474.9962	-0.58

Note:

1. All antennas and test modes have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.6.

END OF REPORT