



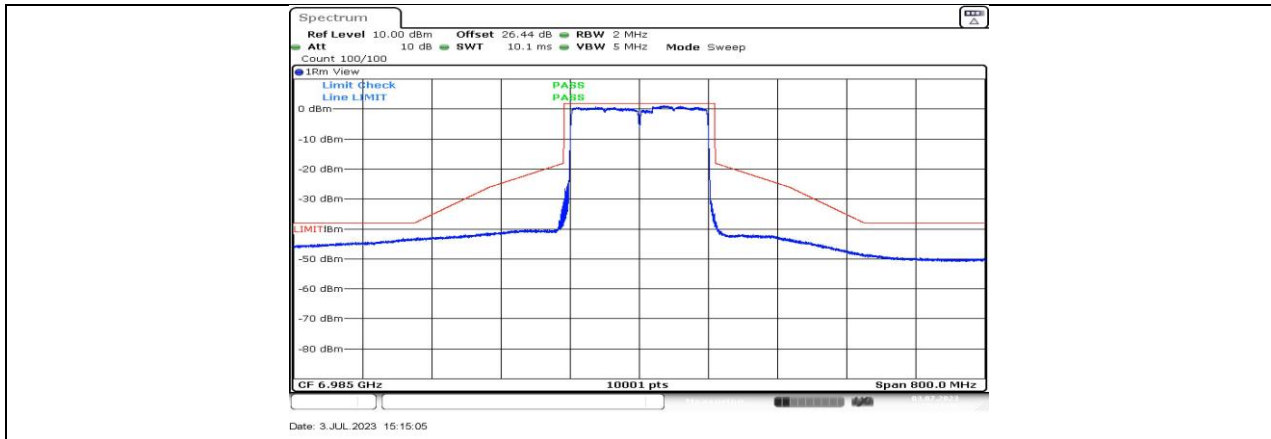
11BE80MIMO\_Ant1\_6945



11BE80MIMO\_Ant1\_7025



11BE160MIMO\_Ant1\_6825



11BE160MIMO\_Ant1\_6985



11BE320MIMO\_Ant1\_6905

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

## 11.7. APPENDIX G: CONTENTION BASED PROTOCOL

### 11.7.1. AP Mode 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]	(Note1)
11BE20-MIMO	Ant1	6115	6115	-69.46	2	2	-70.0	-62	ON
				-65.31	2	2	-65.24	-62	Minimal
				-62.67	2	2	-62.2089	-62	OFF
11BE320-MIMO	Ant1	6265	6110	-69.64	2	2	-70.0	-62	ON
				-64.68	2	2	-64.32	-62	Minimal
				-62.45	2	2	-62.2215	-62	OFF
			6265	-69.83	2	2	-70.0	-62	ON
				-65.62	2	2	-65.71	-62	Minimal
				-62.22	2	2	-62.3222	-62	OFF
			6420	-69.52	2	2	-70.0	-62	ON
				-64.75	2	2	-65.69	-62	Minimal
				-62.44	2	2	-62.4620	-62	OFF

Note:

Path loss is the system cable loss.

Adjusted Power Result is the Lower, Minimal and final test level injected AWGN signal power level.

Note: The higher band does not support AP mode.

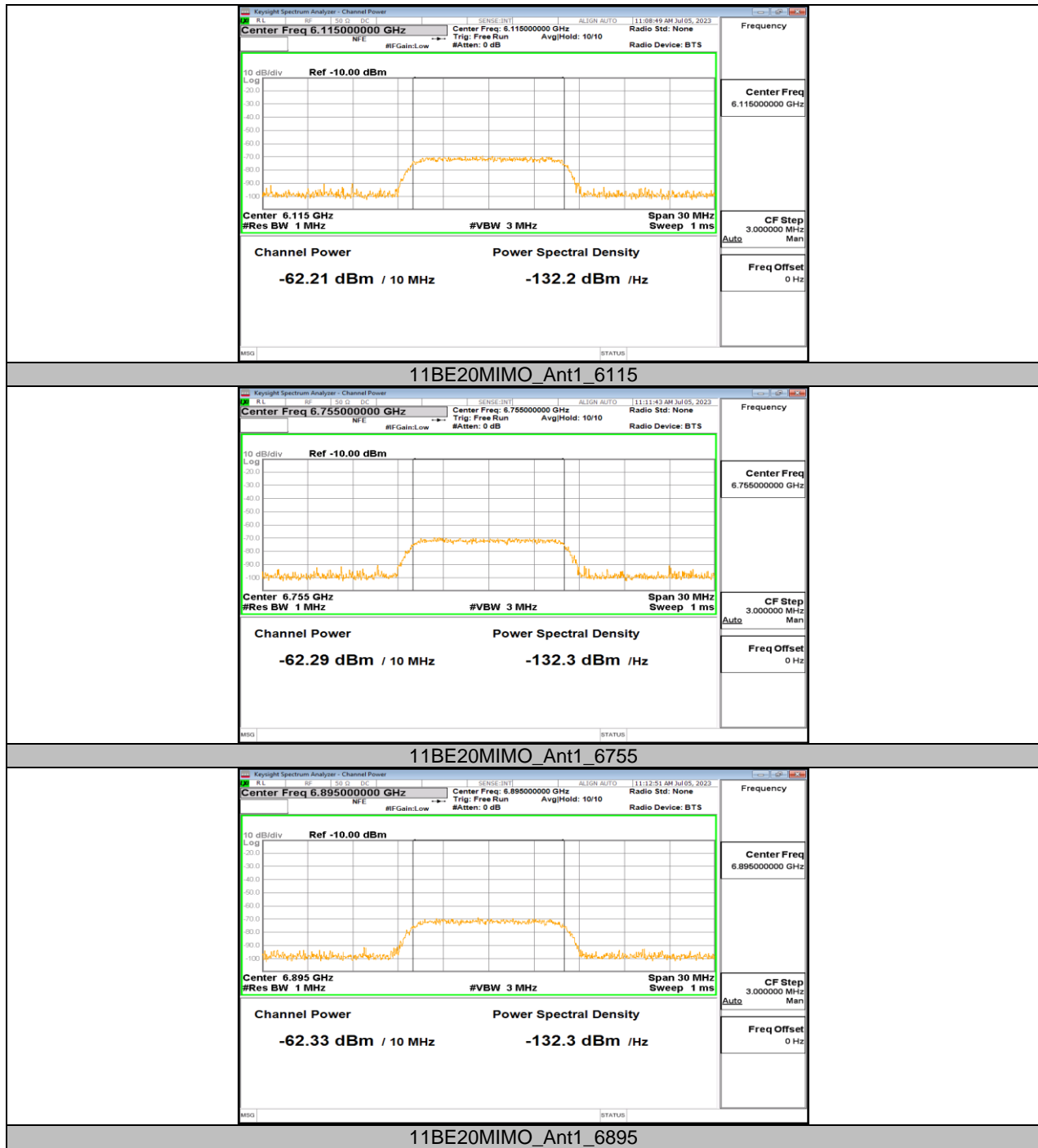
Note: All modes and antennas had been tested, but only the worst data was recorded in the report.

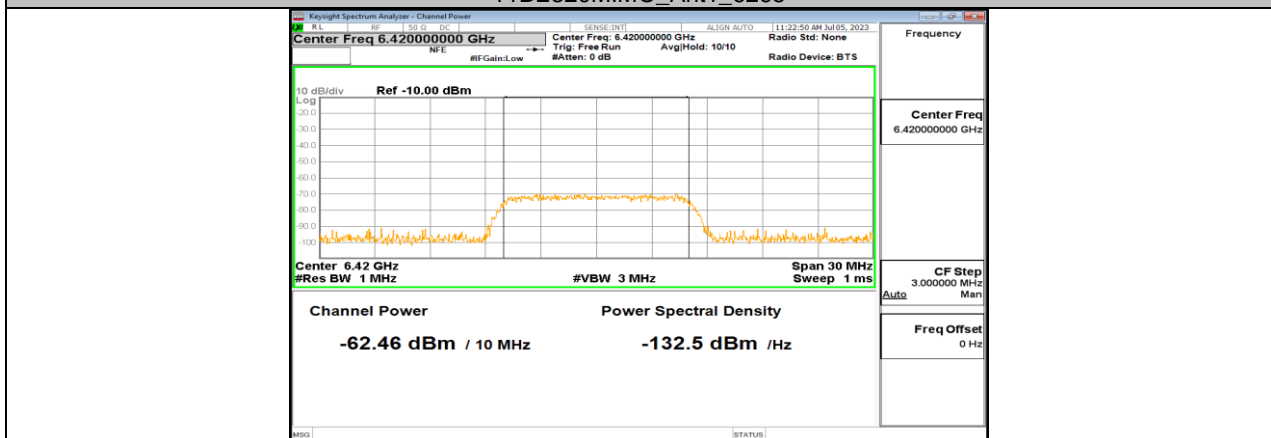
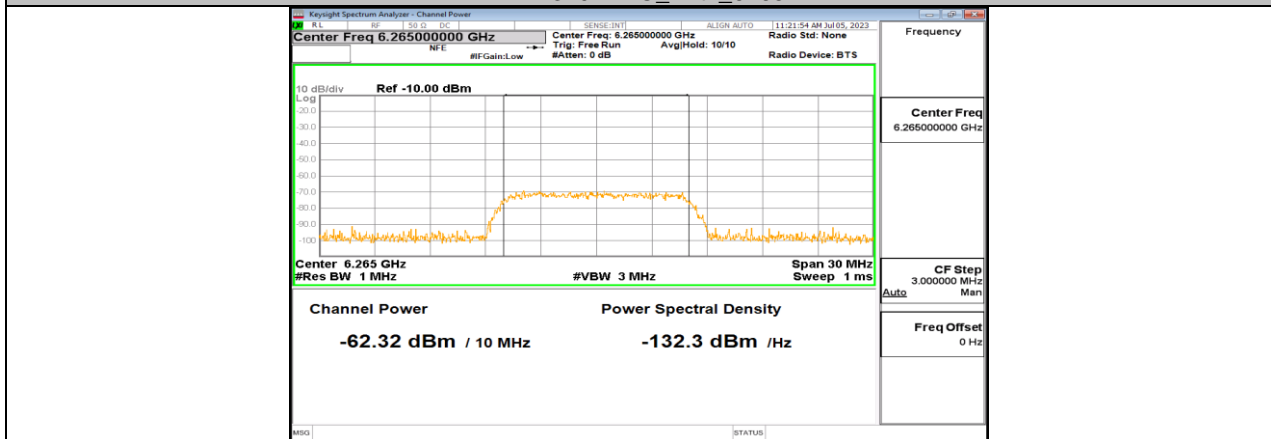
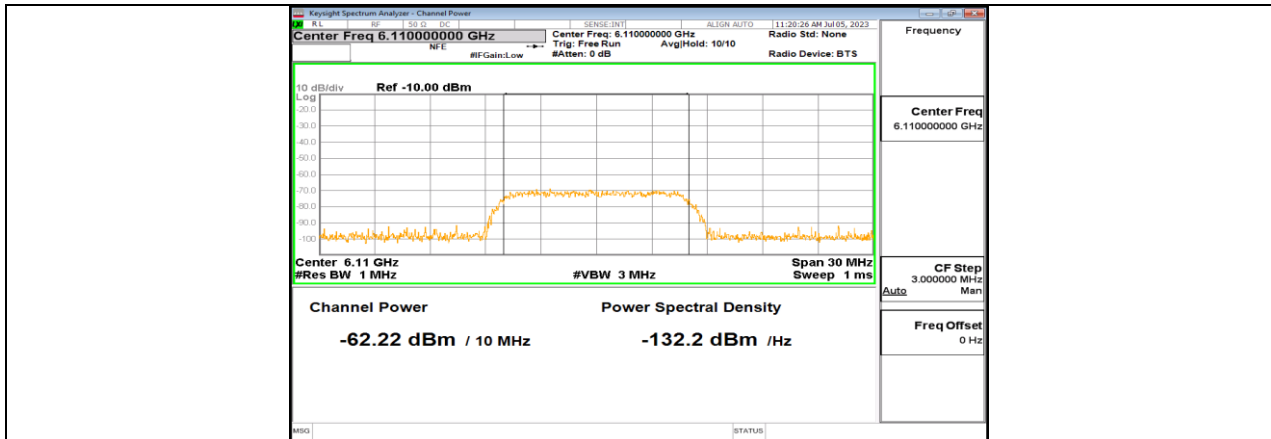
Test Mode	Antenna	Frequency[MHz]	Interference Frequency [MHz]		Test Number [n]	Number Detected [n]	Result [%]	Limit [%]	Verdict
11BE20MIMO	Ant1	6115	Center	6115	10	10	100	90	PASS

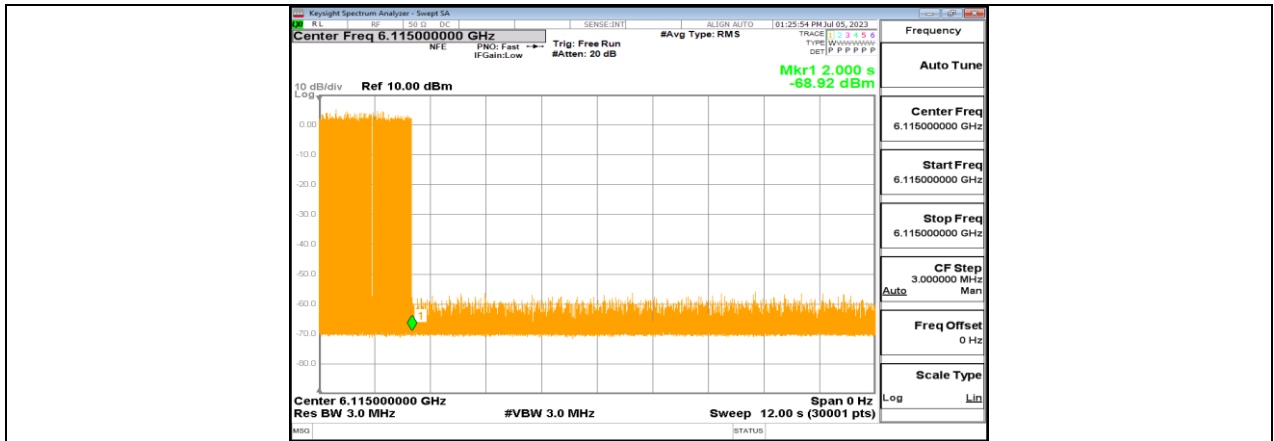
Test Mode	Antenna	Frequency[MHz]	Interference Frequency [MHz]		Test Time	Is Detected	Verdict
11BE320MIMO	Ant1	6115	Center	6115	1	Yes	PASS
			Center	6115	2	Yes	PASS
			Center	6115	3	Yes	PASS
			Center	6115	4	Yes	PASS
			Center	6115	5	Yes	PASS
			Center	6115	6	Yes	PASS
			Center	6115	7	Yes	PASS
			Center	6115	8	Yes	PASS
			Center	6115	9	Yes	PASS
			Center	6115	10	Yes	PASS

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

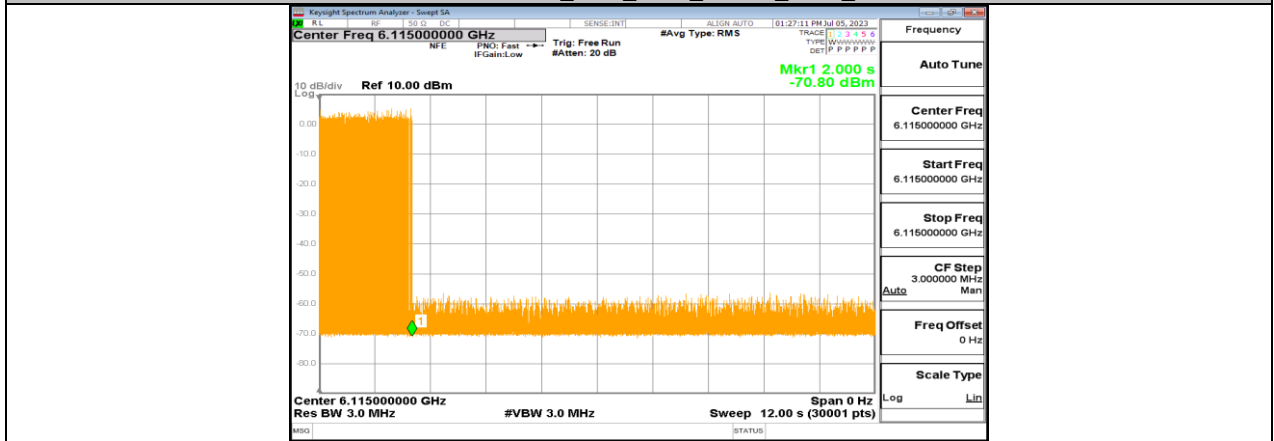
### 11.7.2. AP Mode Test Graphs



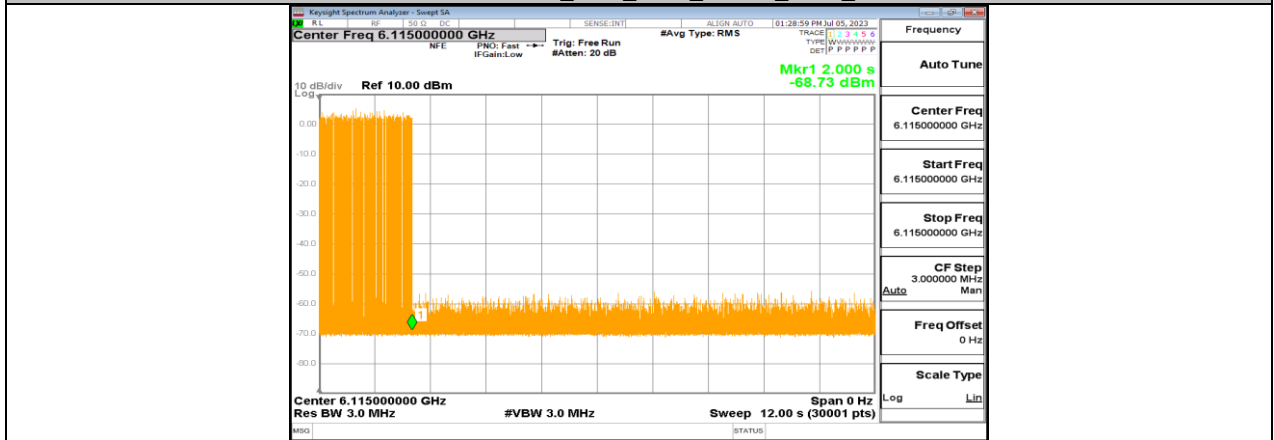




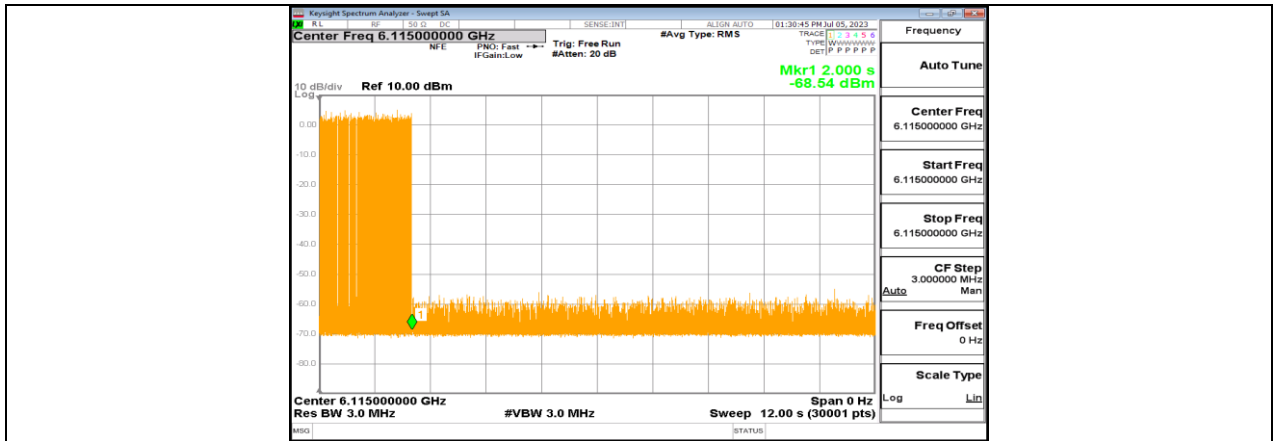
11BE20MIMO\_Ant1\_6115\_Center\_6115\_1



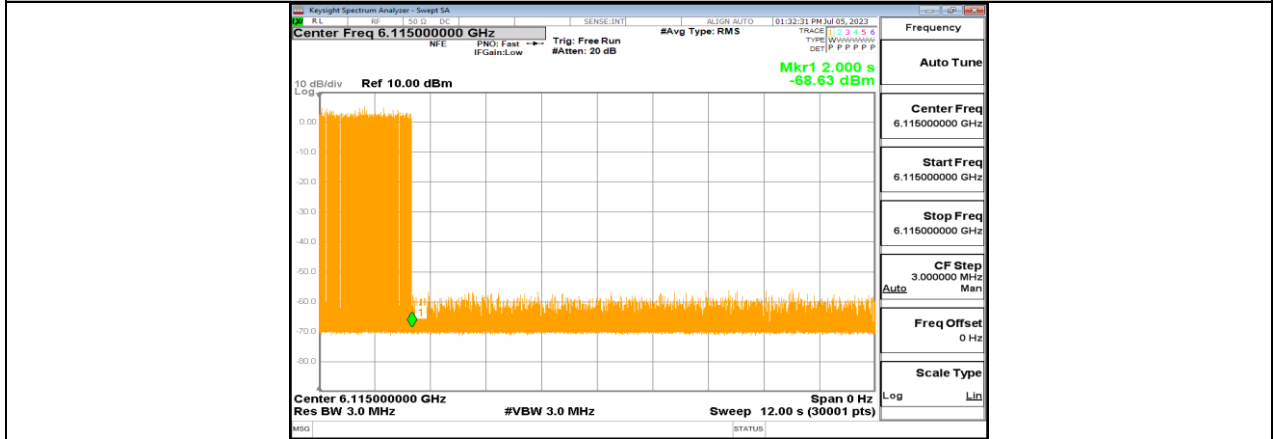
11BE20MIMO\_Ant1\_6115\_Center\_6115\_2



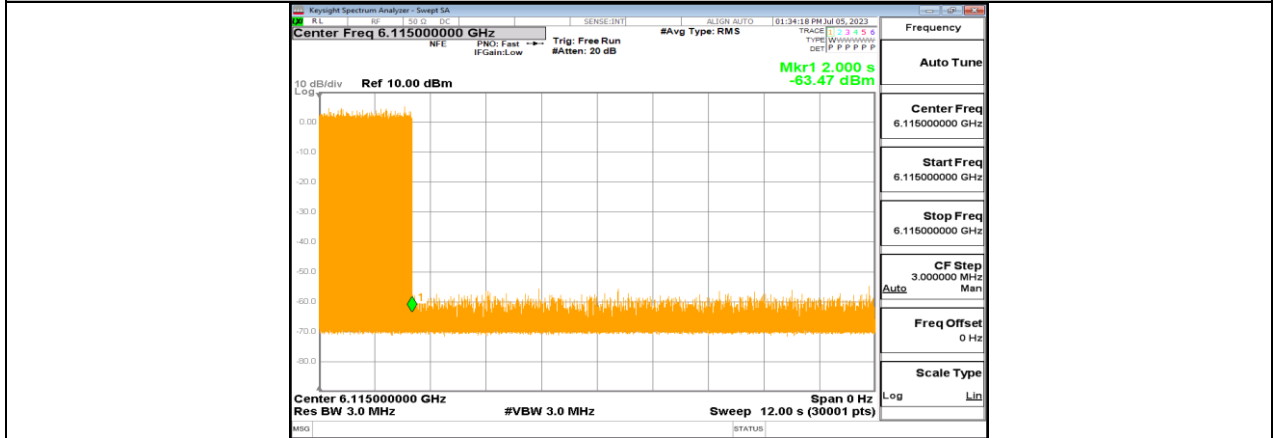
11BE20MIMO\_Ant1\_6115\_Center\_6115\_3



11BE20MIMO\_Ant1\_6115\_Center\_6115\_4

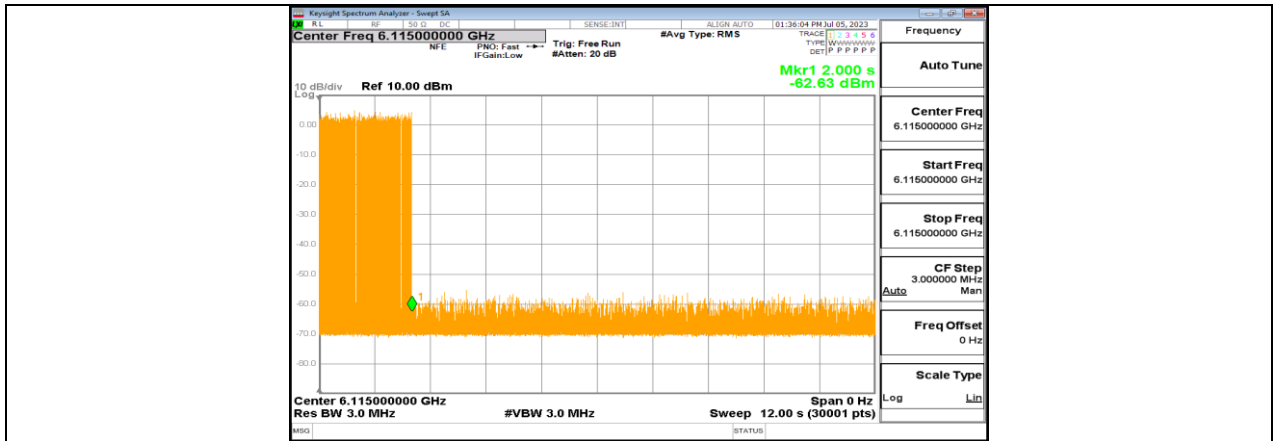


11BE20MIMO\_Ant1\_6115\_Center\_6115\_5

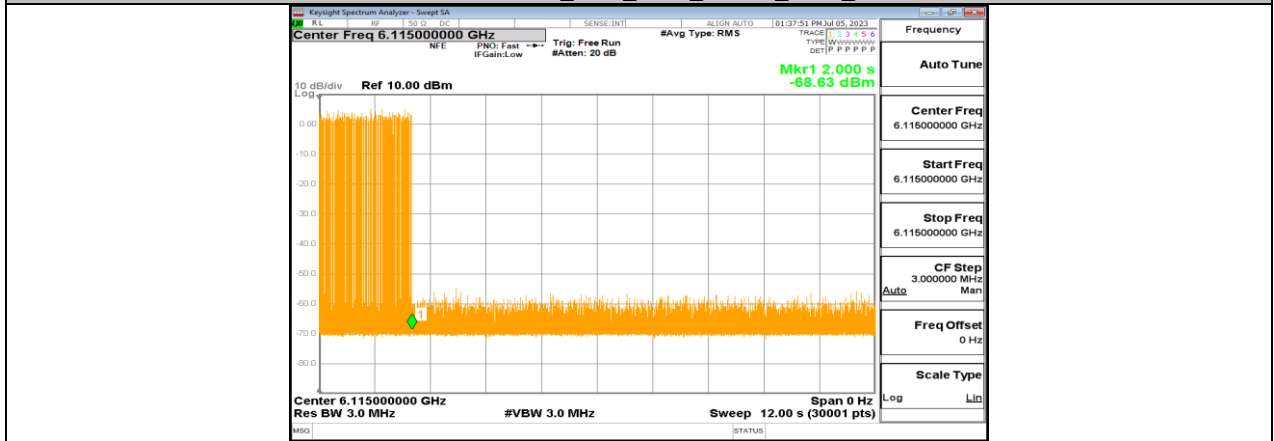


11BE20MIMO\_Ant1\_6115\_Center\_6115\_6

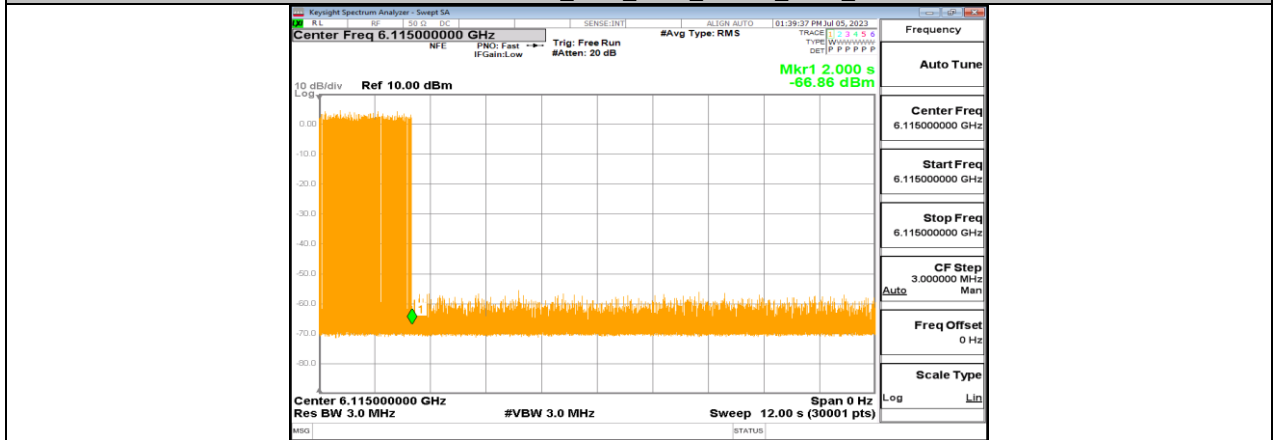




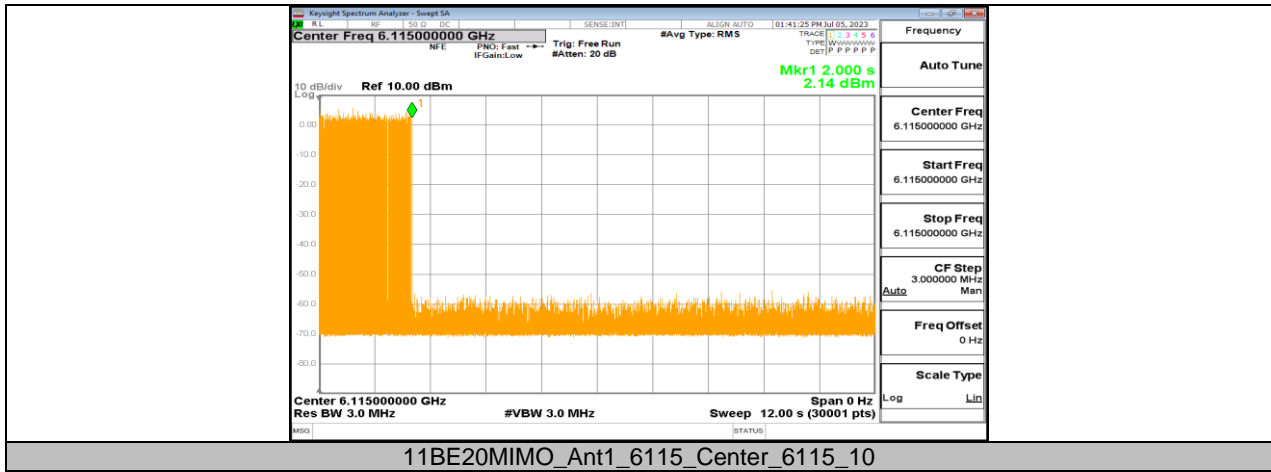
11BE20MIMO\_Ant1\_6115\_Center\_6115\_7



11BE20MIMO\_Ant1\_6115\_Center\_6115\_8



11BE20MIMO\_Ant1\_6115\_Center\_6115\_9



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

### 11.7.3. Mesh Mode 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]	(Note1)
11BE20-MIMO	Ant1	6115	6115	-69.44	2	2	-70.0	-62	ON
				-65.78	2	2	-65.67	-62	Minimal
				-62.52	2	2	-62.1669	-62	OFF
		6755	6755	-69.32	2	2	-70.0	-62	ON
				-64.76	2	2	-65.78	-62	Minimal
				-62.41	2	2	-62.3778	-62	OFF
		6895	6895	-69.43	2	2	-70.0	-62	ON
				-64.68	2	2	-65.23	-62	Minimal
				-62.84	2	2	-62.4236	-62	OFF
11BE320-MIMO	Ant1	6110	6110	-69.78	2	2	-70.0	-62	ON
				-64.45	2	2	-64.76	-62	Minimal
				-62.23	2	2	-62.2221	-62	OFF
		6265	6265	-69.57	2	2	-70.0	-62	ON
				-65.34	2	2	-65.55	-62	Minimal
				-62.68	2	2	-62.3089	-62	OFF
		6420	6420	-69.16	2	2	-70.0	-62	ON
				-64.68	2	2	-65.79	-62	Minimal
				-62.33	2	2	-62.2692	-62	OFF
		6750	6750	-69.45	2	2	-70.0	-62	ON
				-63.21	2	2	-64.21	-62	Minimal
				-62.78	2	2	-62.2497	-62	OFF
		6905	6905	-69.21	2	2	-70.0	-62	ON
				-64.55	2	2	-65.69	-62	Minimal
				-62.49	2	2	-62.2352	-62	OFF
7060	7060	-69.43	2	2	-70.0	-62	ON		
		-64.78	2	2	-65.43	-62	Minimal		
		-62.51	2	2	-62.3854	-62	OFF		

Note:

Path loss is the system cable loss.

Adjusted Power Result is the Lower, Minimal and final test level injected AWGN signal power level.

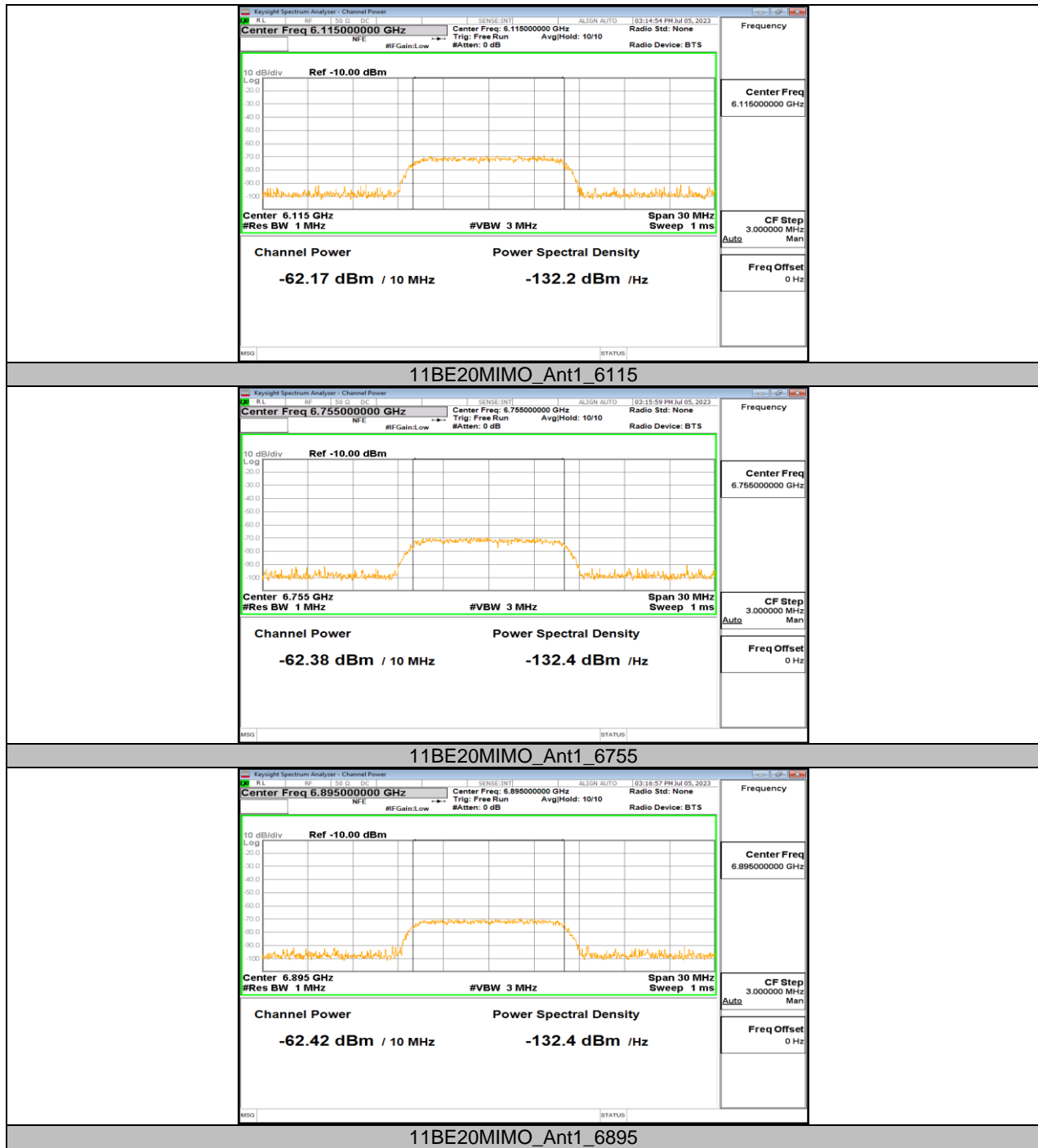
Note: All modes and antennas had been tested, but only the worst data was recorded in the report.

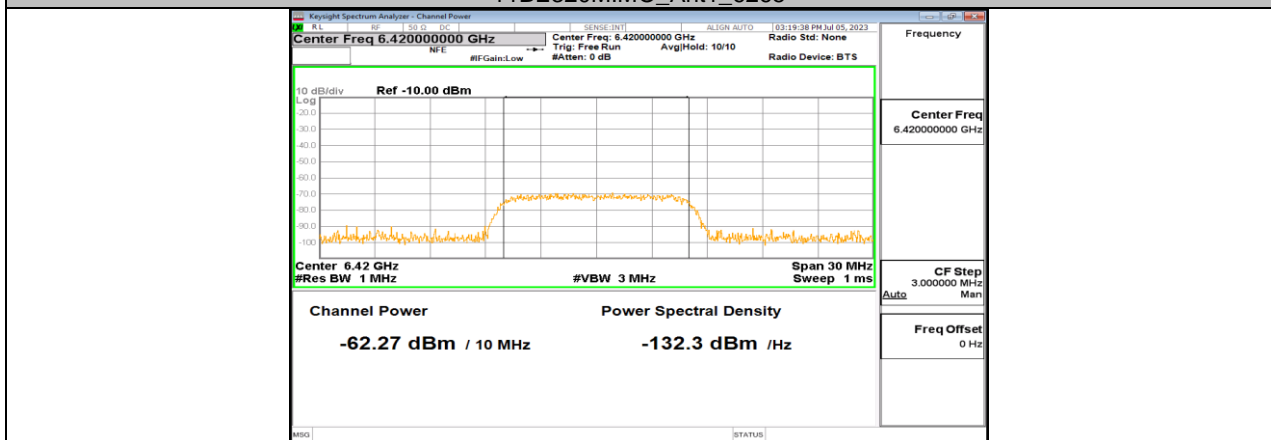
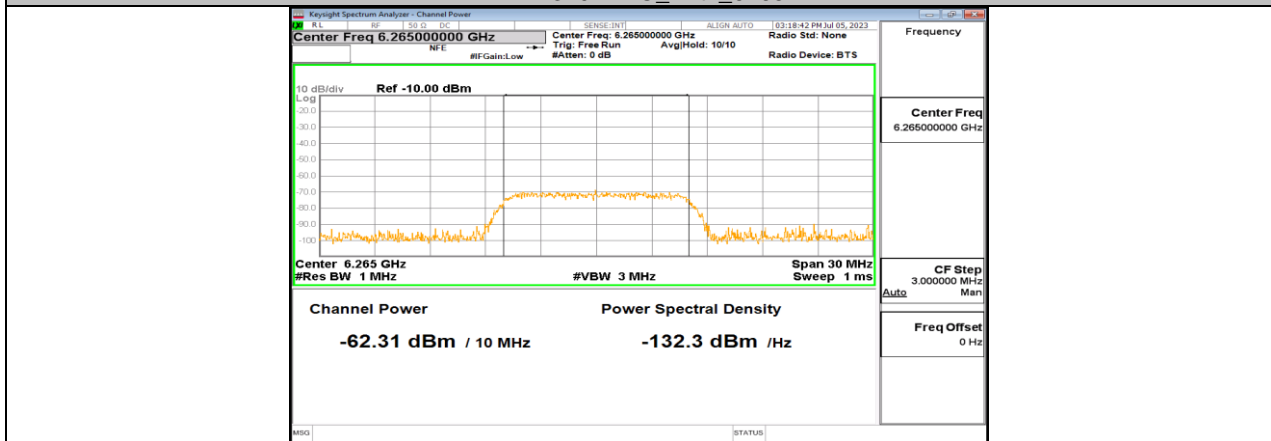
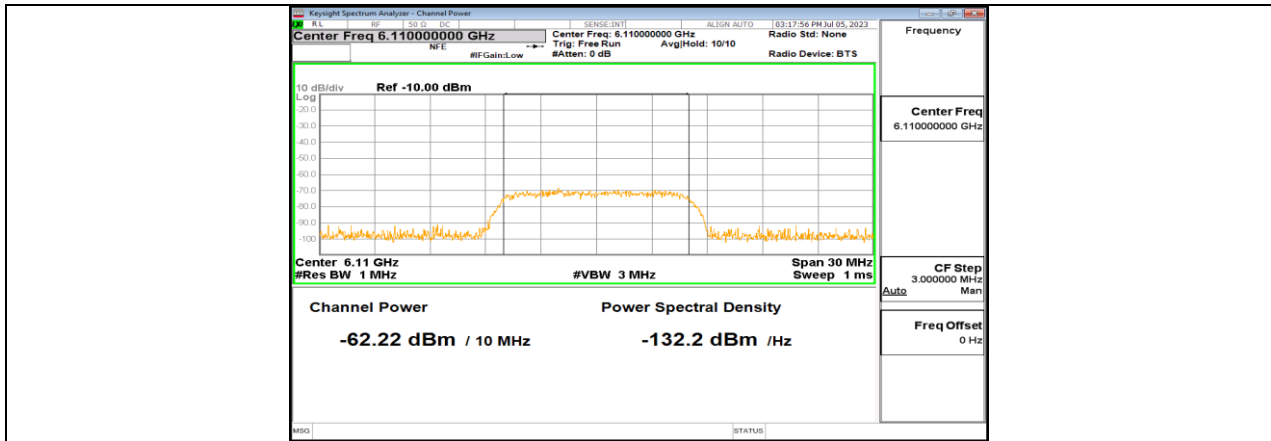
Test Mode	Antenna	Frequency[MHz]	Interference Frequency [MHz]		Test Number [n]	Number Detected [n]	Result [%]	Limit [%]	Verdict
11BE20MIMO	Ant1	6115	Center	6115	10	10	100	90	PASS
		6755	Center	6755	10	10	100	90	PASS
		6895	Center	6895	10	10	100	90	PASS

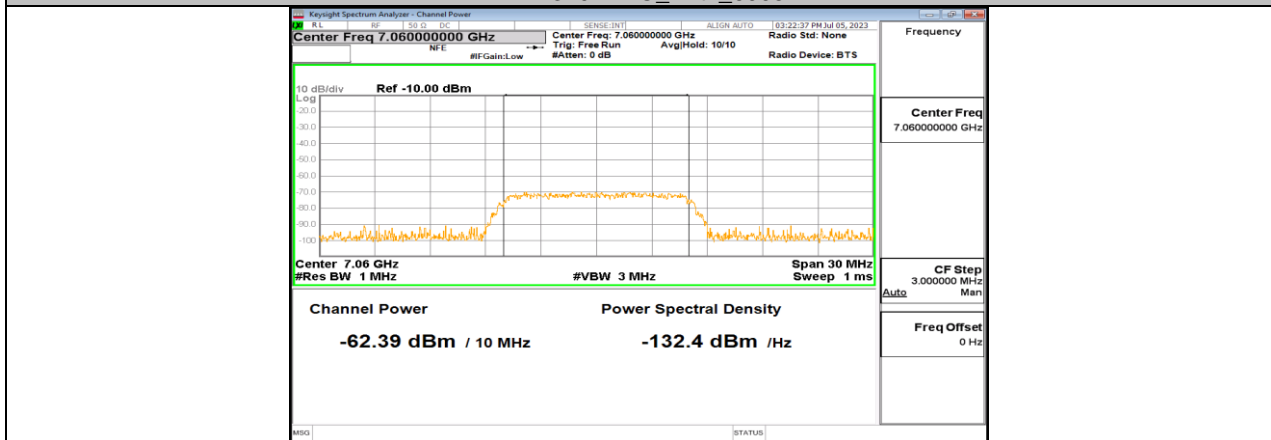
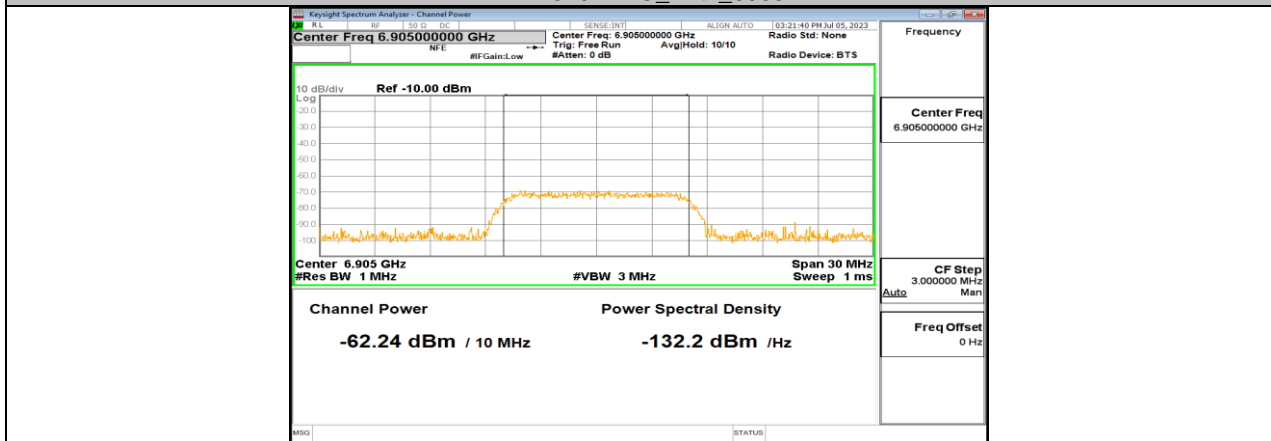
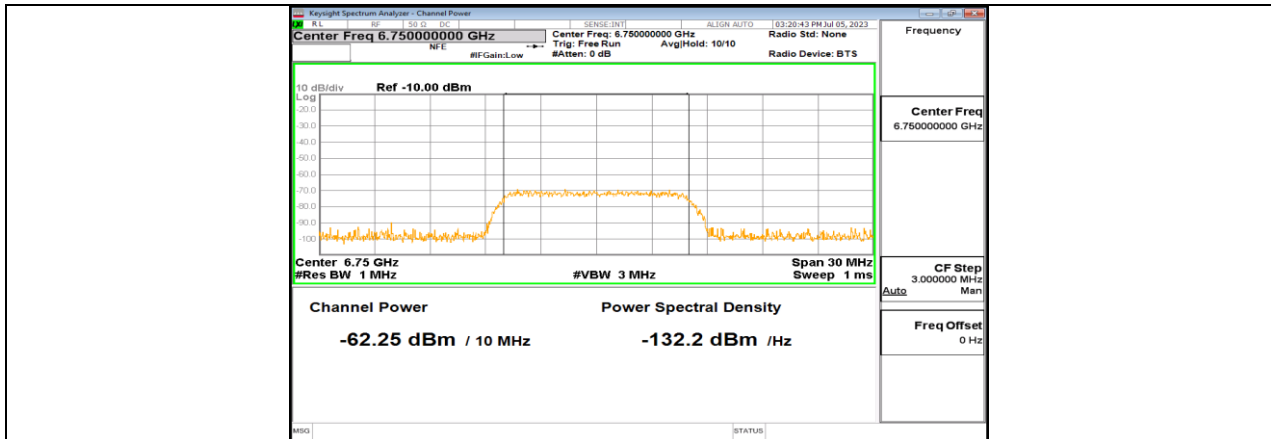
Test Mode	Antenna	Frequency[MHz]	Interference Frequency [MHz]		Test Time	Is Detected	Verdict
11BE20MIMO	Ant1	6115	Center	6115	1	Yes	PASS
			Center	6115	2	Yes	PASS
			Center	6115	3	Yes	PASS
			Center	6115	4	Yes	PASS
			Center	6115	5	Yes	PASS
			Center	6115	6	Yes	PASS
			Center	6115	7	Yes	PASS
			Center	6115	8	Yes	PASS
			Center	6115	9	Yes	PASS
			Center	6115	10	Yes	PASS
		6755	Center	6755	1	Yes	PASS
			Center	6755	2	Yes	PASS
			Center	6755	3	Yes	PASS
			Center	6755	4	Yes	PASS
			Center	6755	5	Yes	PASS
			Center	6755	6	Yes	PASS
			Center	6755	7	Yes	PASS
			Center	6755	8	Yes	PASS
			Center	6755	9	Yes	PASS
			Center	6755	10	Yes	PASS
		6895	Center	6895	1	Yes	PASS
			Center	6895	2	Yes	PASS
			Center	6895	3	Yes	PASS
			Center	6895	4	Yes	PASS
			Center	6895	5	Yes	PASS
			Center	6895	6	Yes	PASS
			Center	6895	7	Yes	PASS
			Center	6895	8	Yes	PASS
			Center	6895	9	Yes	PASS
			Center	6895	10	Yes	PASS

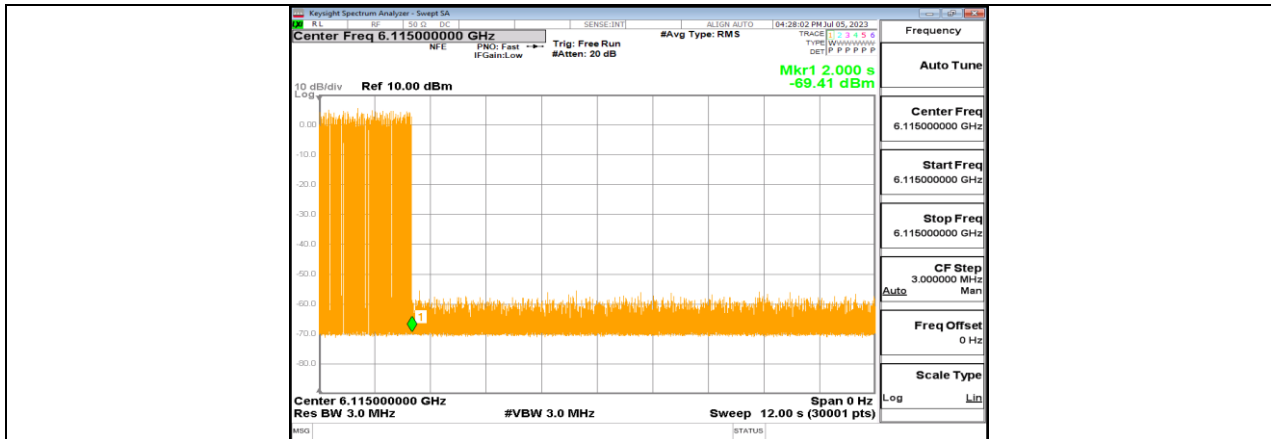
Note: All modes and antennas had been tested, but only the worst data was recorded in the report.

### 11.7.4. Mesh Mode Test Graphs

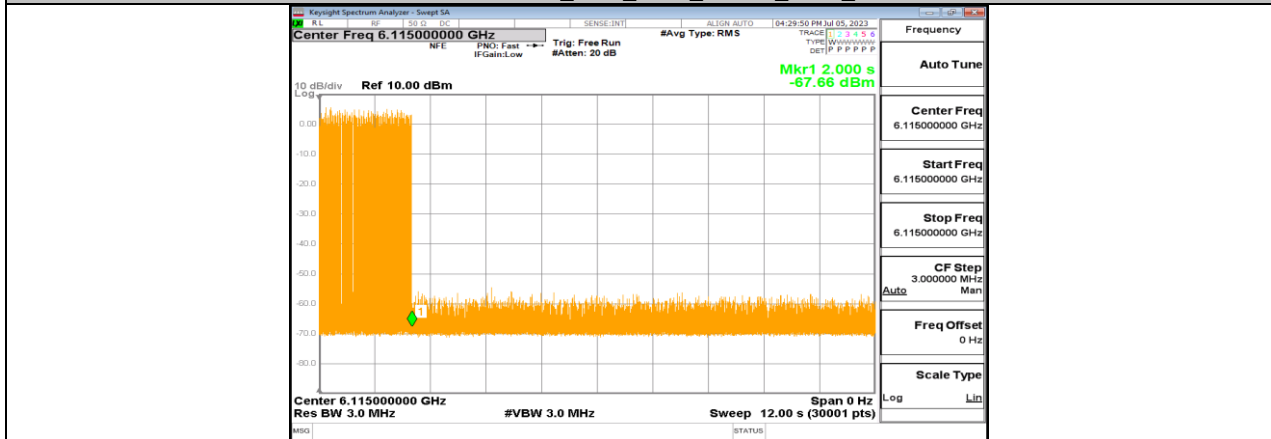




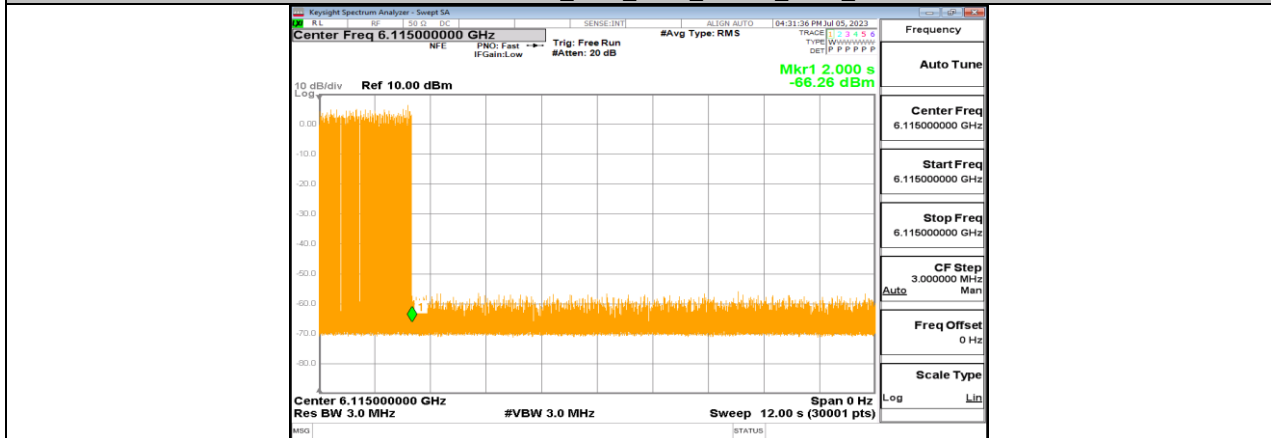




11BE20MIMO\_Ant1\_6115\_Center\_6115\_1

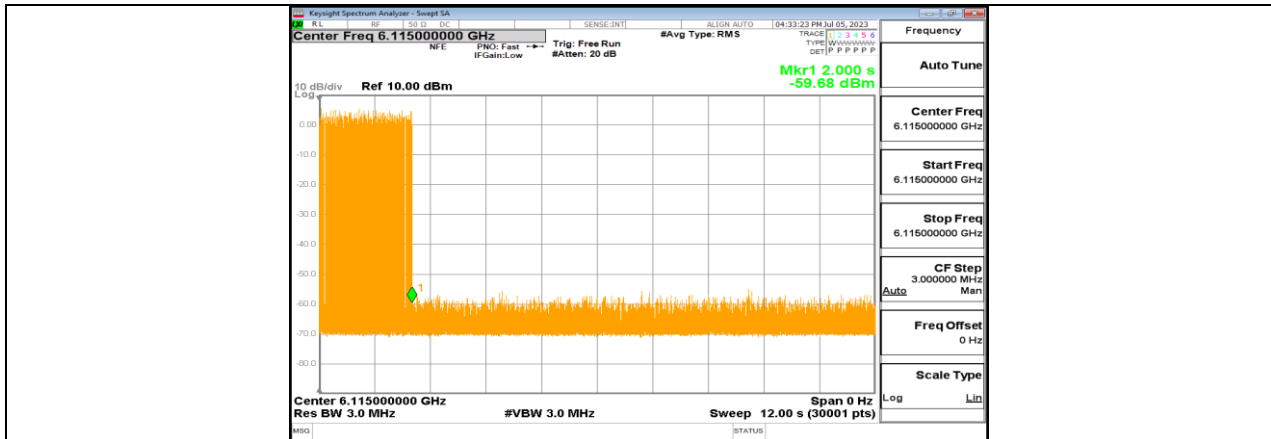


11BE20MIMO\_Ant1\_6115\_Center\_6115\_2

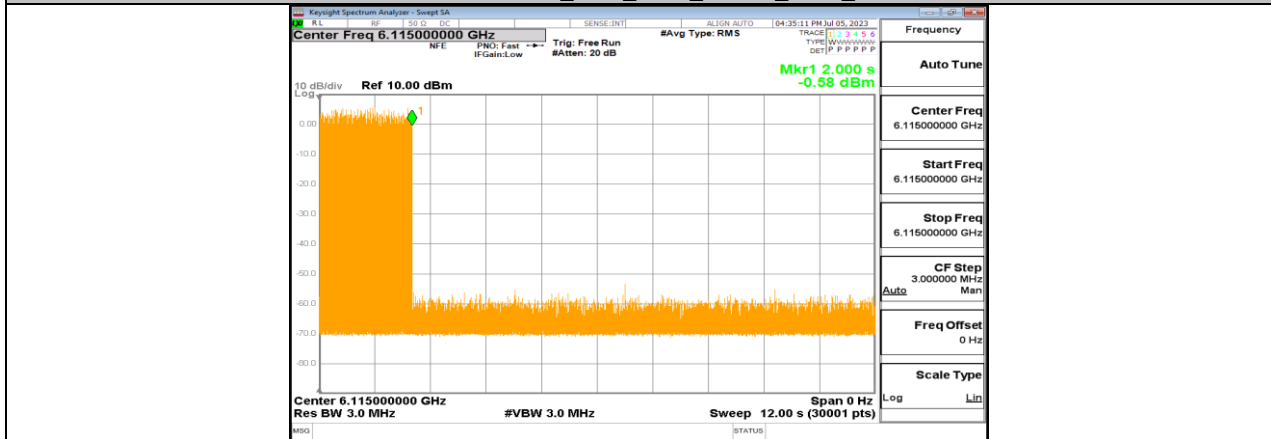


11BE20MIMO\_Ant1\_6115\_Center\_6115\_3

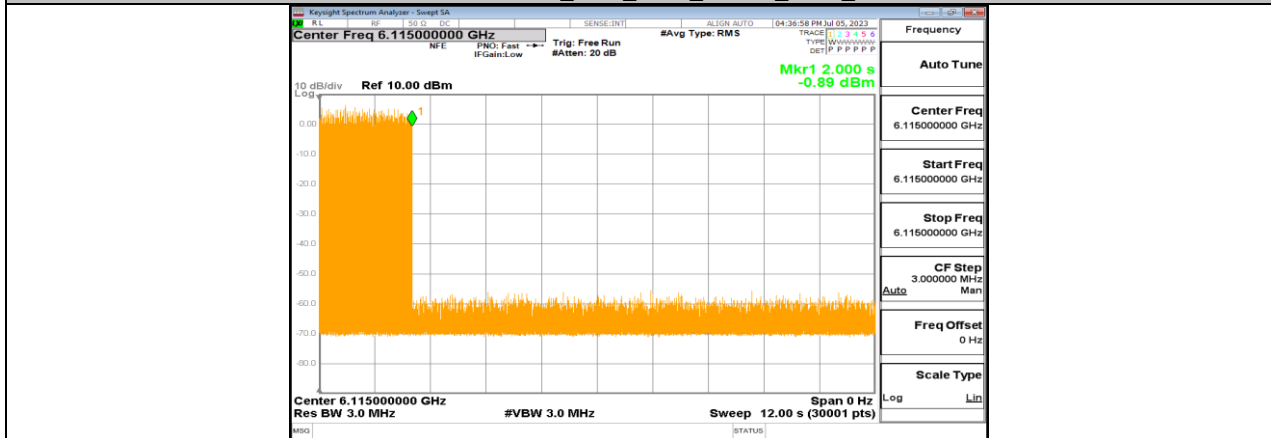




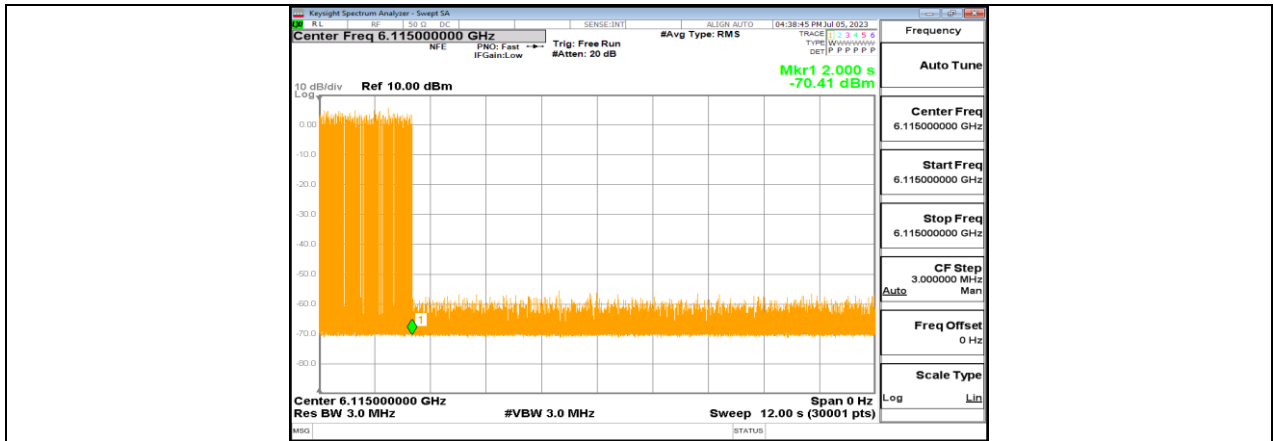
11BE20MIMO\_Ant1\_6115\_Center\_6115\_4



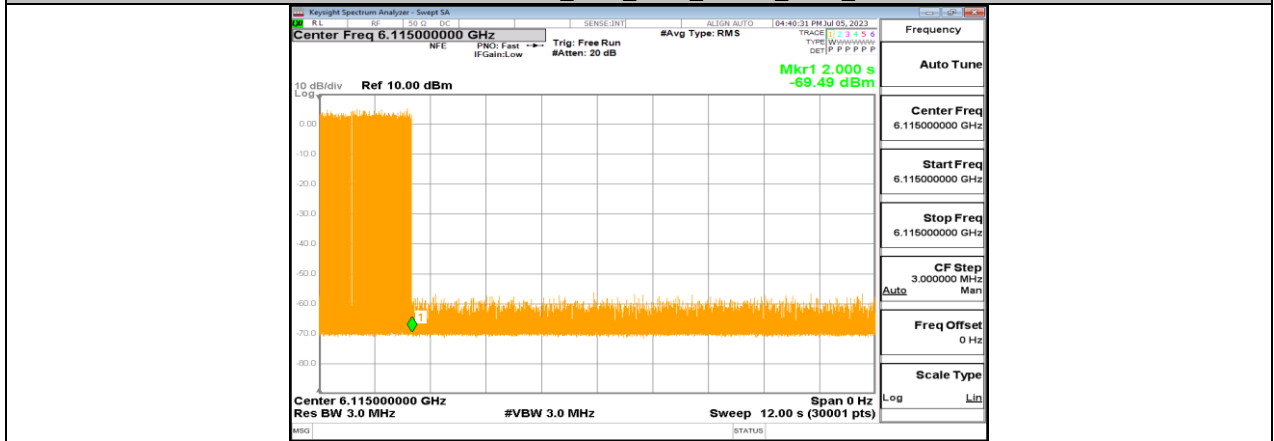
11BE20MIMO\_Ant1\_6115\_Center\_6115\_5



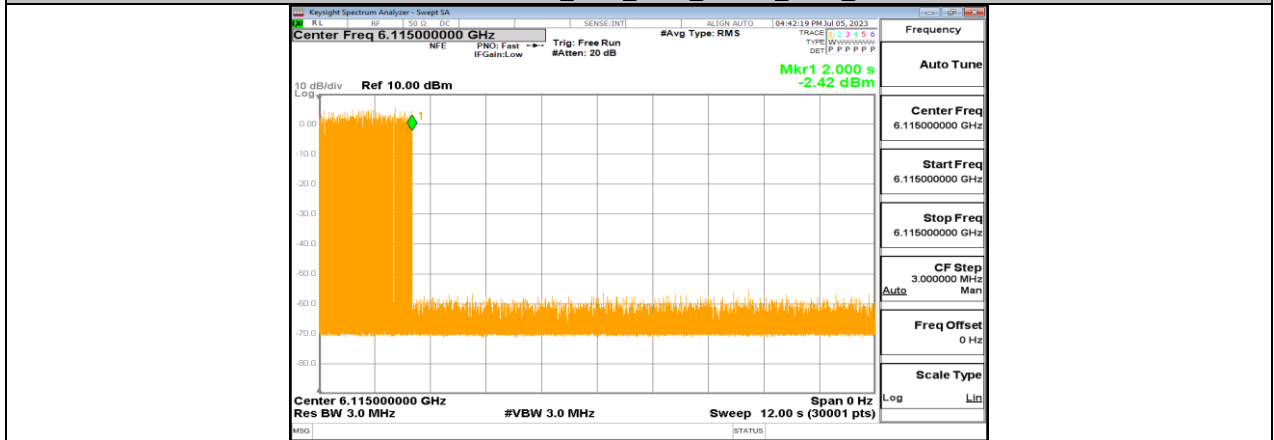
11BE20MIMO\_Ant1\_6115\_Center\_6115\_6



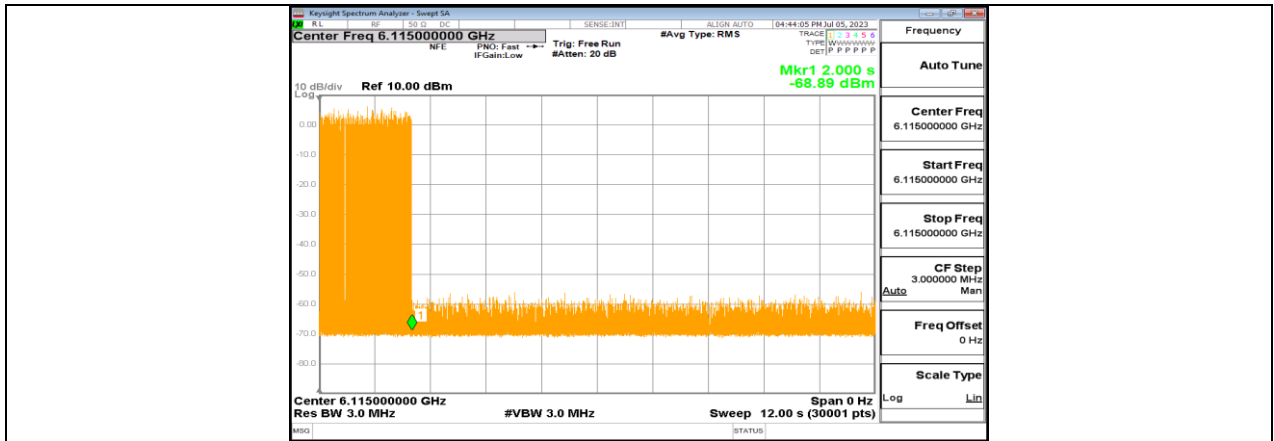
11BE20MIMO\_Ant1\_6115\_Center\_6115\_7



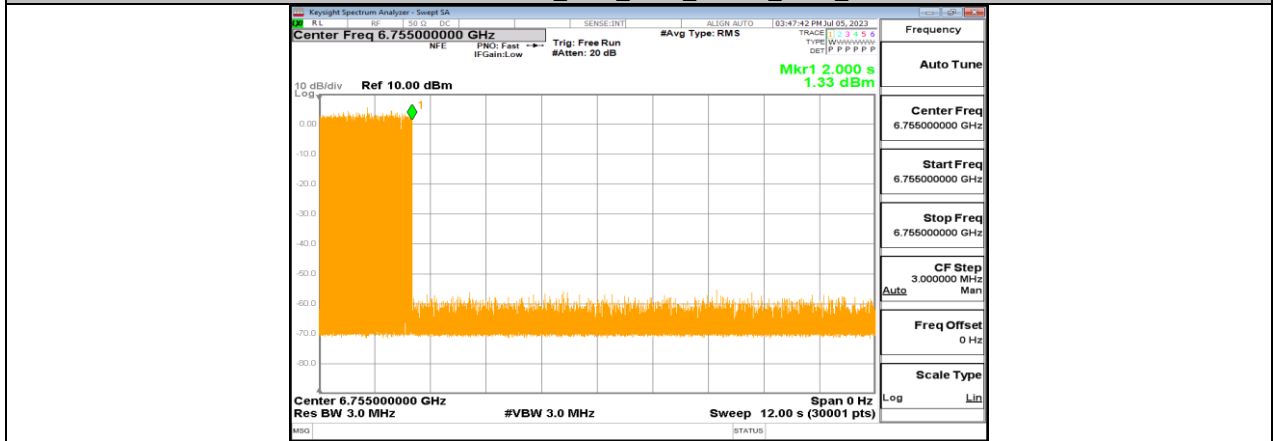
11BE20MIMO\_Ant1\_6115\_Center\_6115\_8



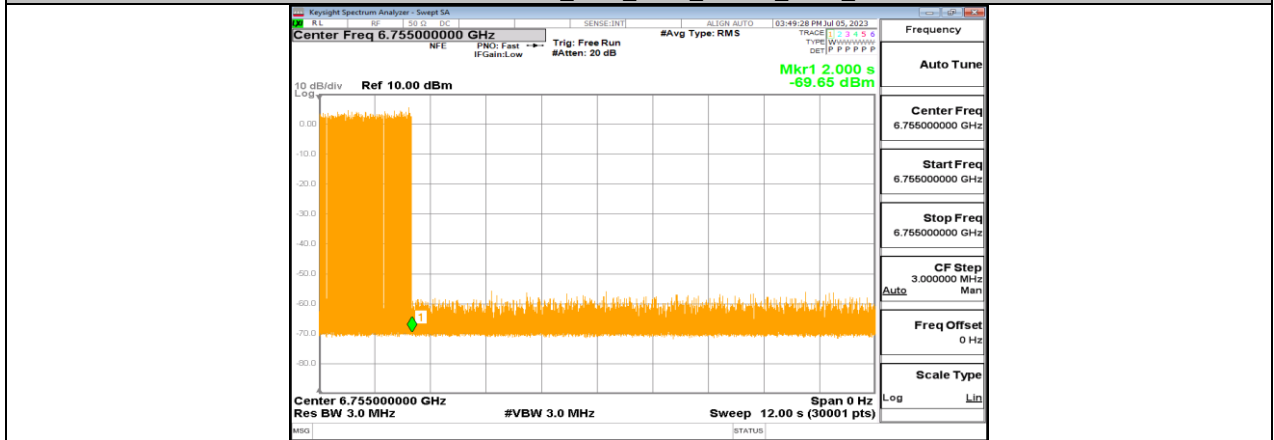
11BE20MIMO\_Ant1\_6115\_Center\_6115\_9



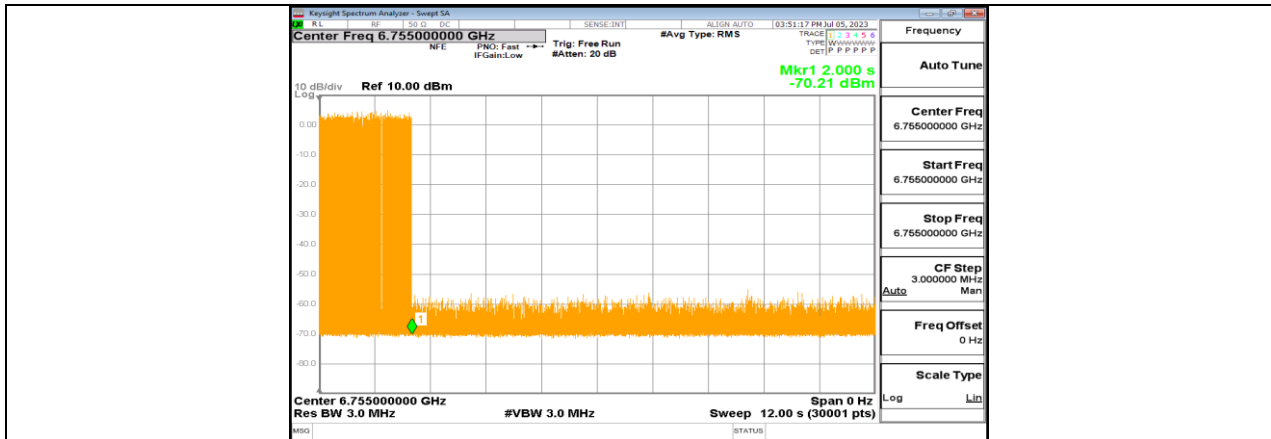
11BE20MIMO\_Ant1\_6115\_Center\_6115\_10



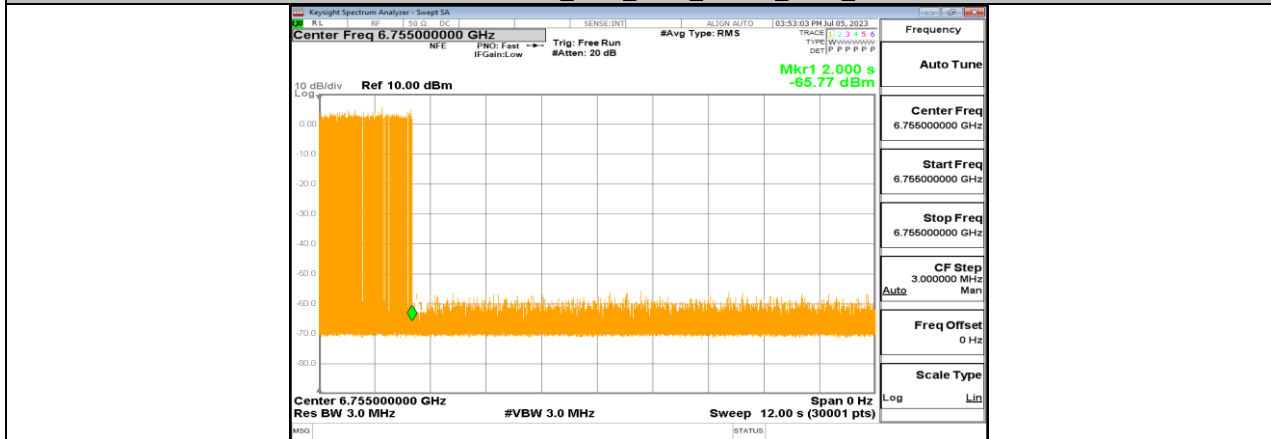
11BE20MIMO\_Ant1\_6755\_Center\_6755\_1



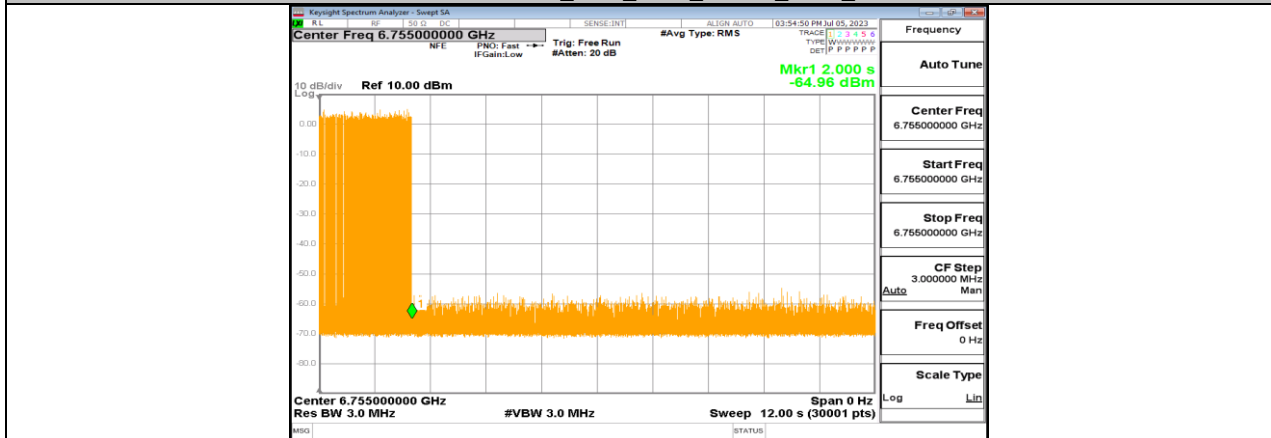
11BE20MIMO\_Ant1\_6755\_Center\_6755\_2



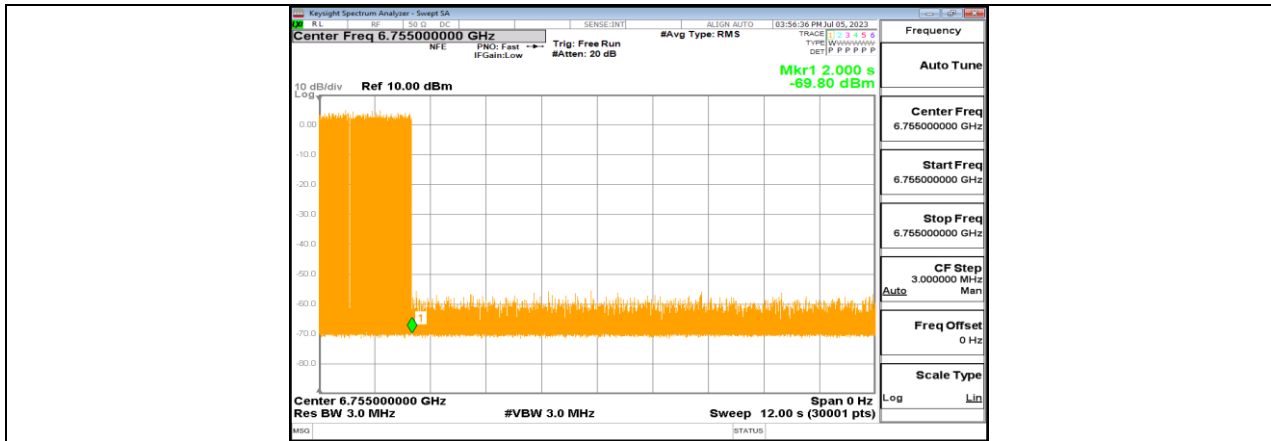
11BE20MIMO\_Ant1\_6755\_Center\_6755\_3



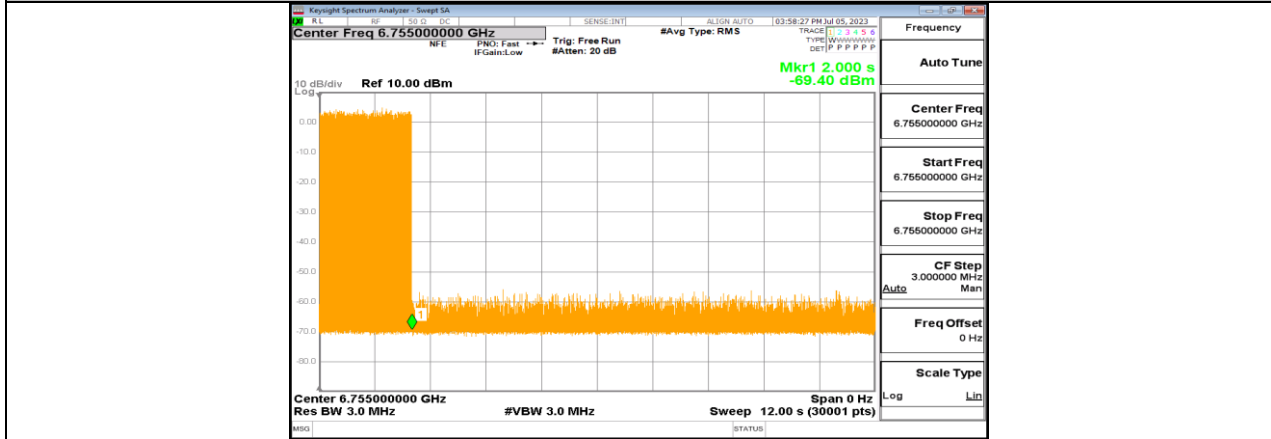
11BE20MIMO\_Ant1\_6755\_Center\_6755\_4



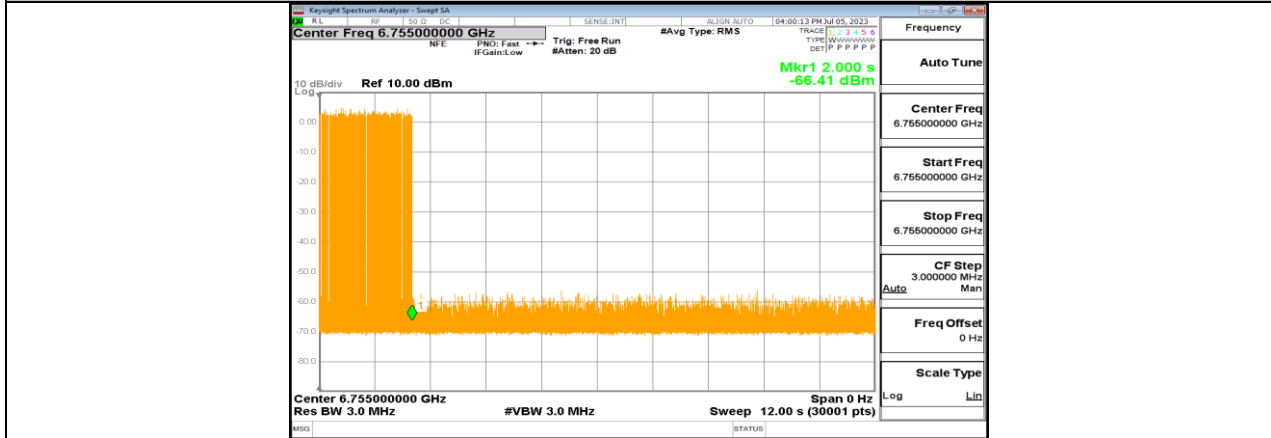
11BE20MIMO\_Ant1\_6755\_Center\_6755\_5



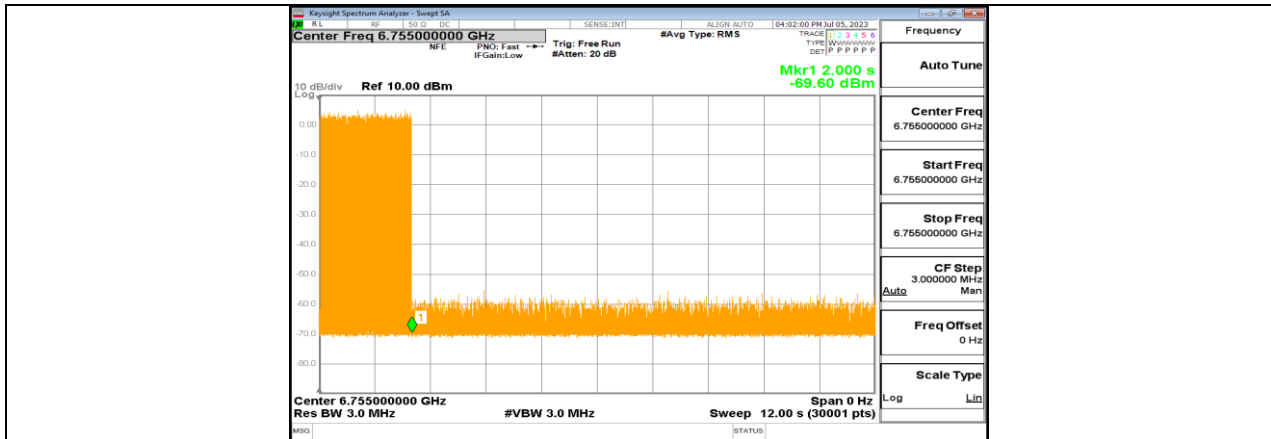
11BE20MIMO\_Ant1\_6755\_Center\_6755\_6



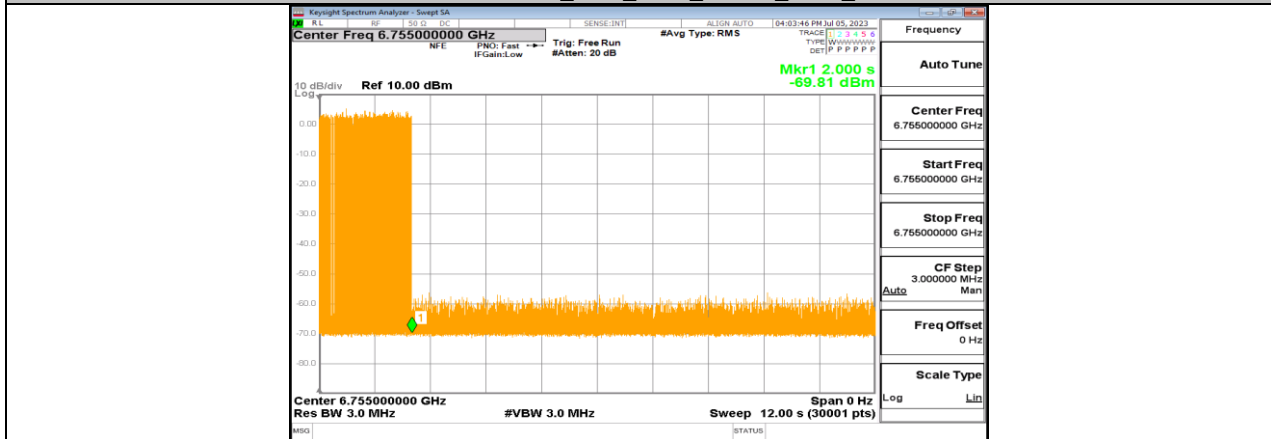
11BE20MIMO\_Ant1\_6755\_Center\_6755\_7



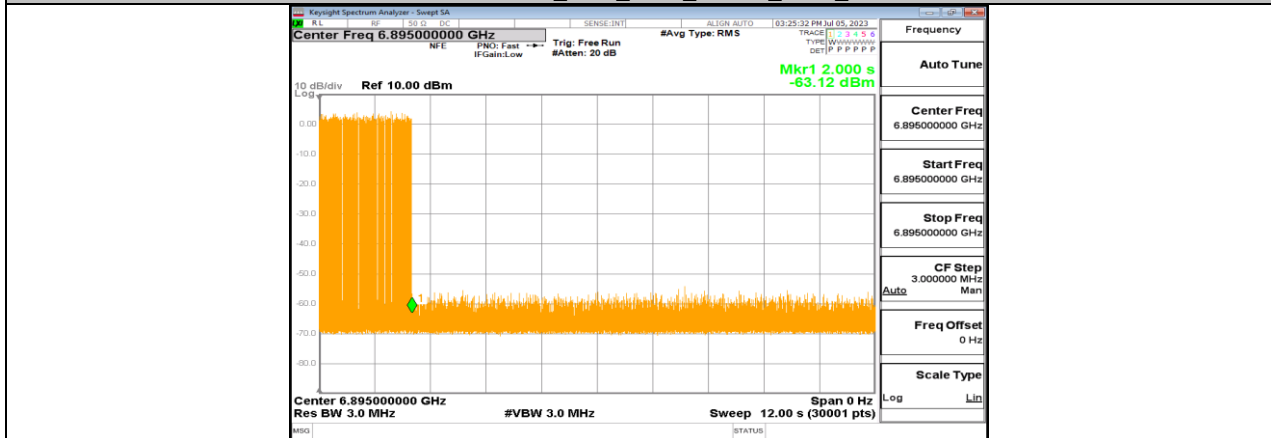
11BE20MIMO\_Ant1\_6755\_Center\_6755\_8



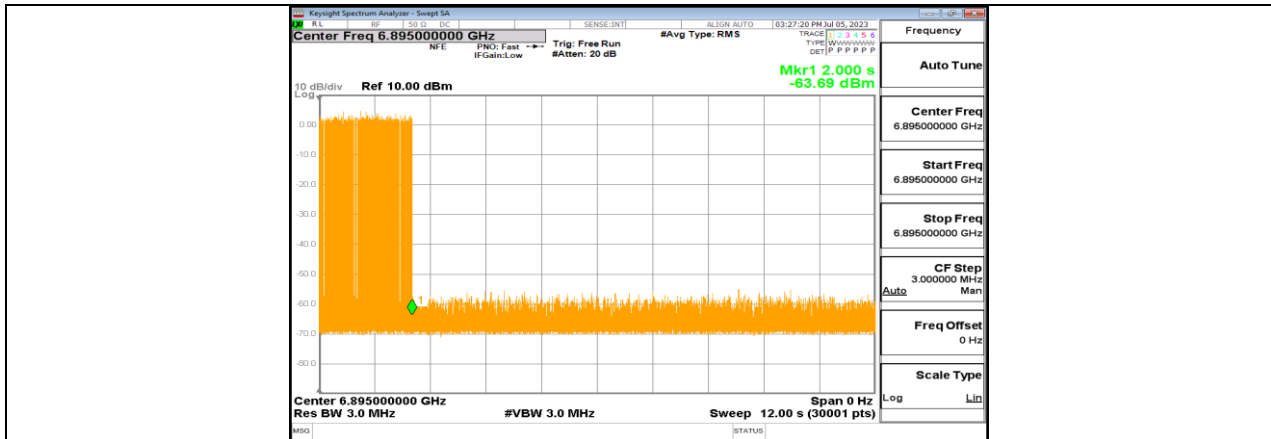
11BE20MIMO\_Ant1\_6755\_Center\_6755\_9



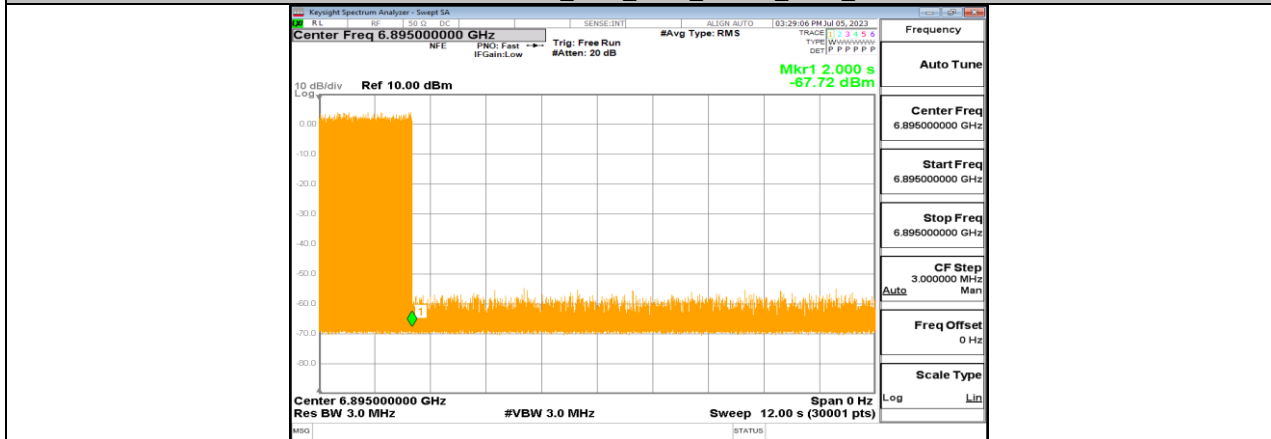
11BE20MIMO\_Ant1\_6755\_Center\_6755\_10



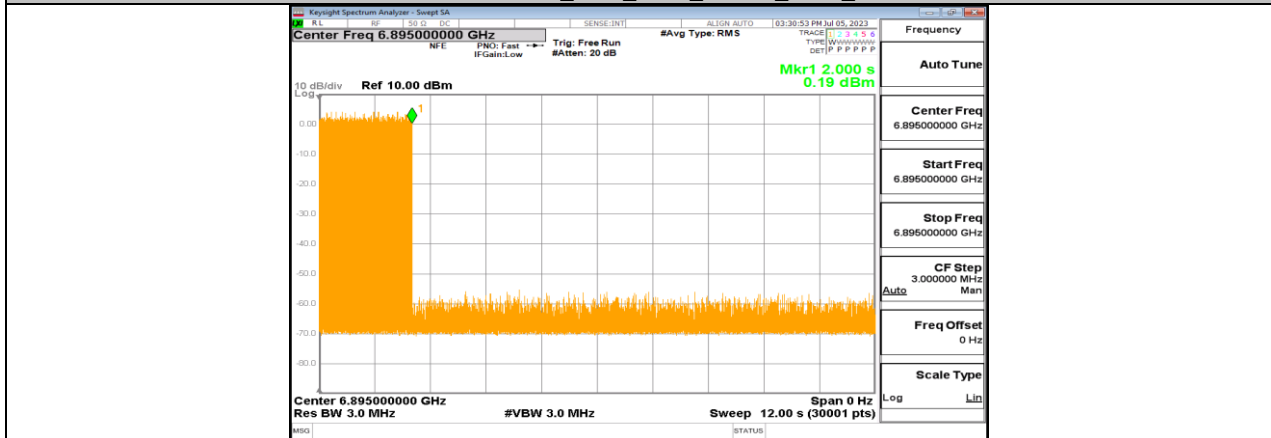
11BE20MIMO\_Ant1\_6895\_Center\_6895\_1



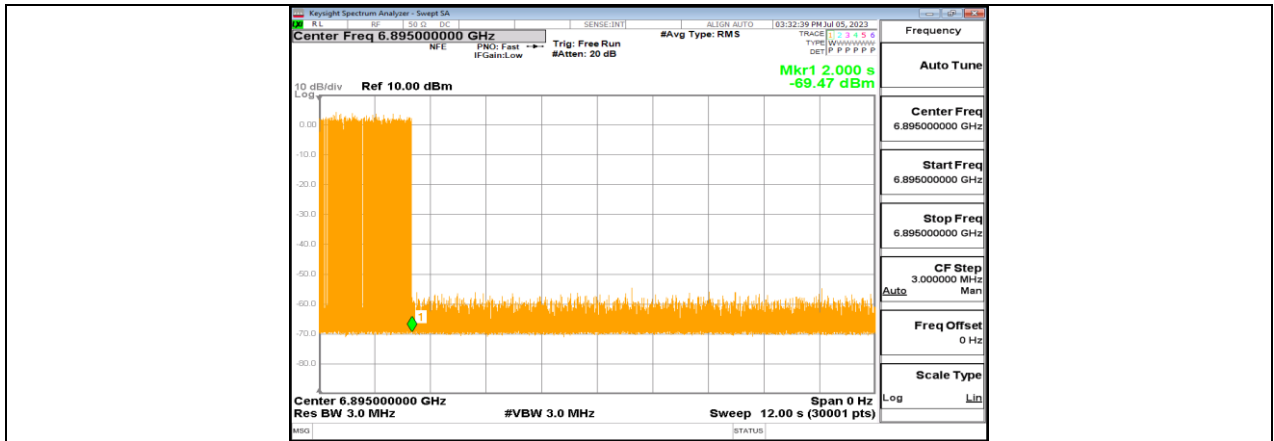
11BE20MIMO\_Ant1\_6895\_Center\_6895\_2



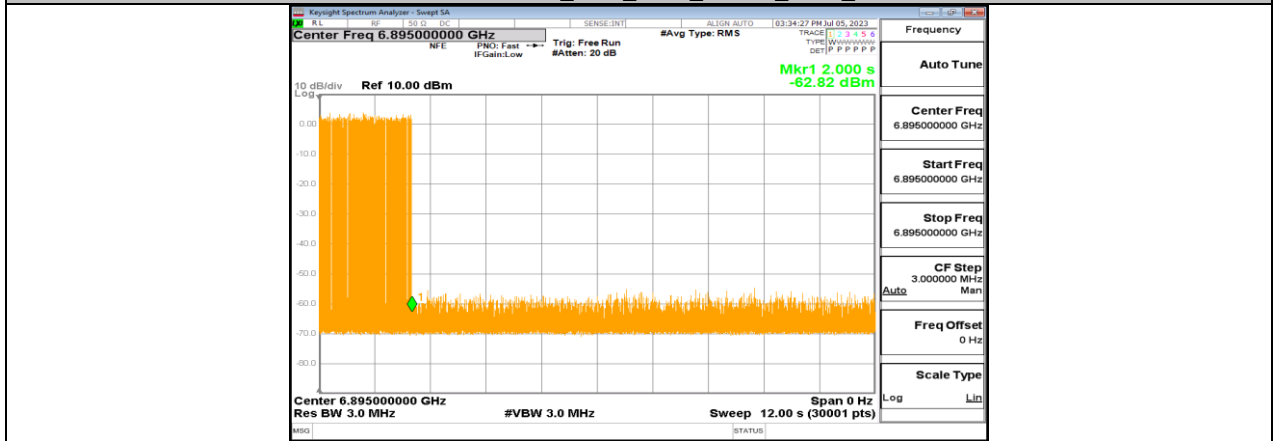
11BE20MIMO\_Ant1\_6895\_Center\_6895\_3



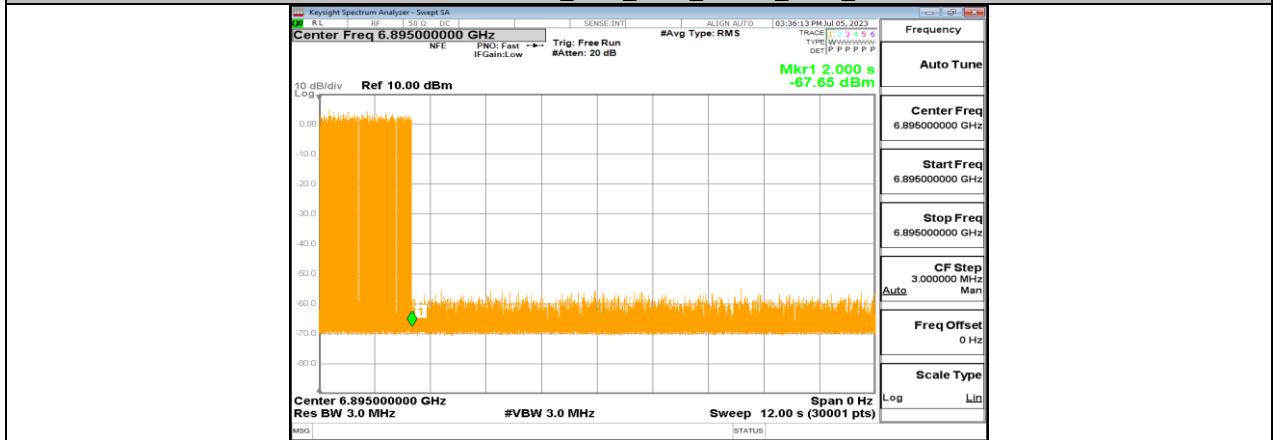
11BE20MIMO\_Ant1\_6895\_Center\_6895\_4



11BE20MIMO\_Ant1\_6895\_Center\_6895\_5

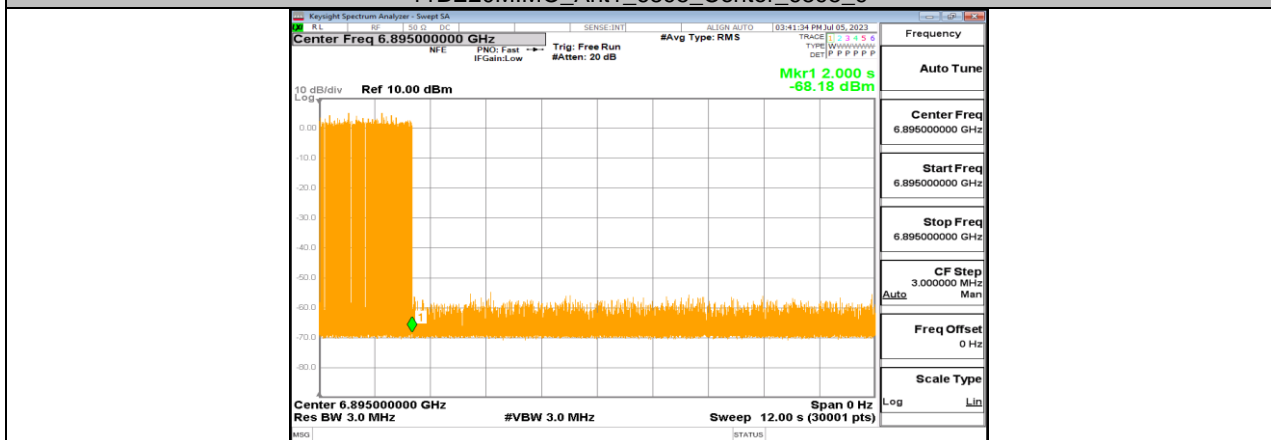
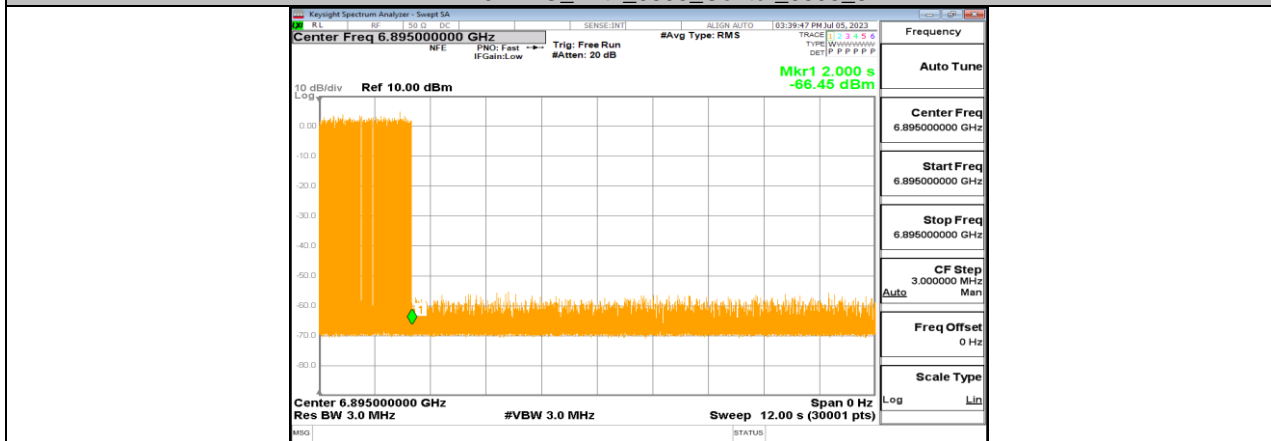
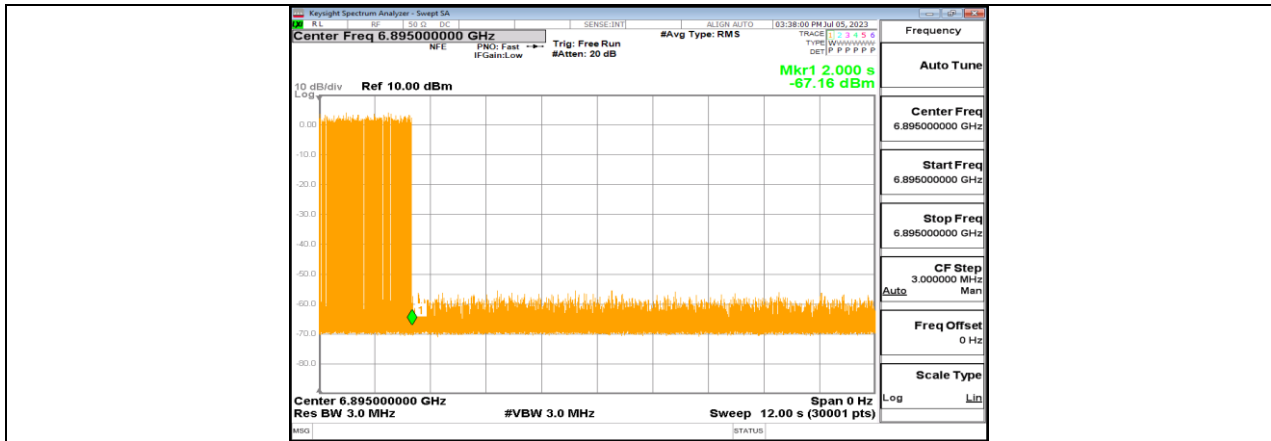


11BE20MIMO\_Ant1\_6895\_Center\_6895\_6



11BE20MIMO\_Ant1\_6895\_Center\_6895\_7





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

**11.8. APPENDIX H: FREQUENCY STABILITY**  
**11.8.1. Test Result**

Frequency Error vs. Voltage									
802.11ax: 6115 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	6115.0044	0.72	6115.0065	1.06	6115.0055	0.90	6114.9815	-3.03
TN	VN	6115.0171	2.80	6114.9936	-1.04	6115.0150	2.45	6114.9886	-1.86
TN	VH	6115.0018	0.29	6114.9901	-1.62	6115.0241	3.95	6115.0178	2.91

Frequency Error vs. Temperature									
802.11ax: 6115 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)
40	VN	6115.0211	3.45	6114.9823	-2.89	6114.9833	-2.73	6114.9758	-3.96
30	VN	6114.9779	-3.62	6115.0136	2.23	6115.0101	1.65	6115.0224	3.66
20	VN	6115.0120	1.96	6115.0193	3.15	6114.9916	-1.38	6115.0178	2.91
10	VN	6115.0171	2.79	6114.9789	-3.46	6115.0194	3.17	6114.9917	-1.36
0	VN	6115.0056	0.91	6114.9784	-3.54	6114.9767	-3.81	6115.0146	2.39

**Note:**

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 10 TEST ENVIRONMENT.

**END OF REPORT**