

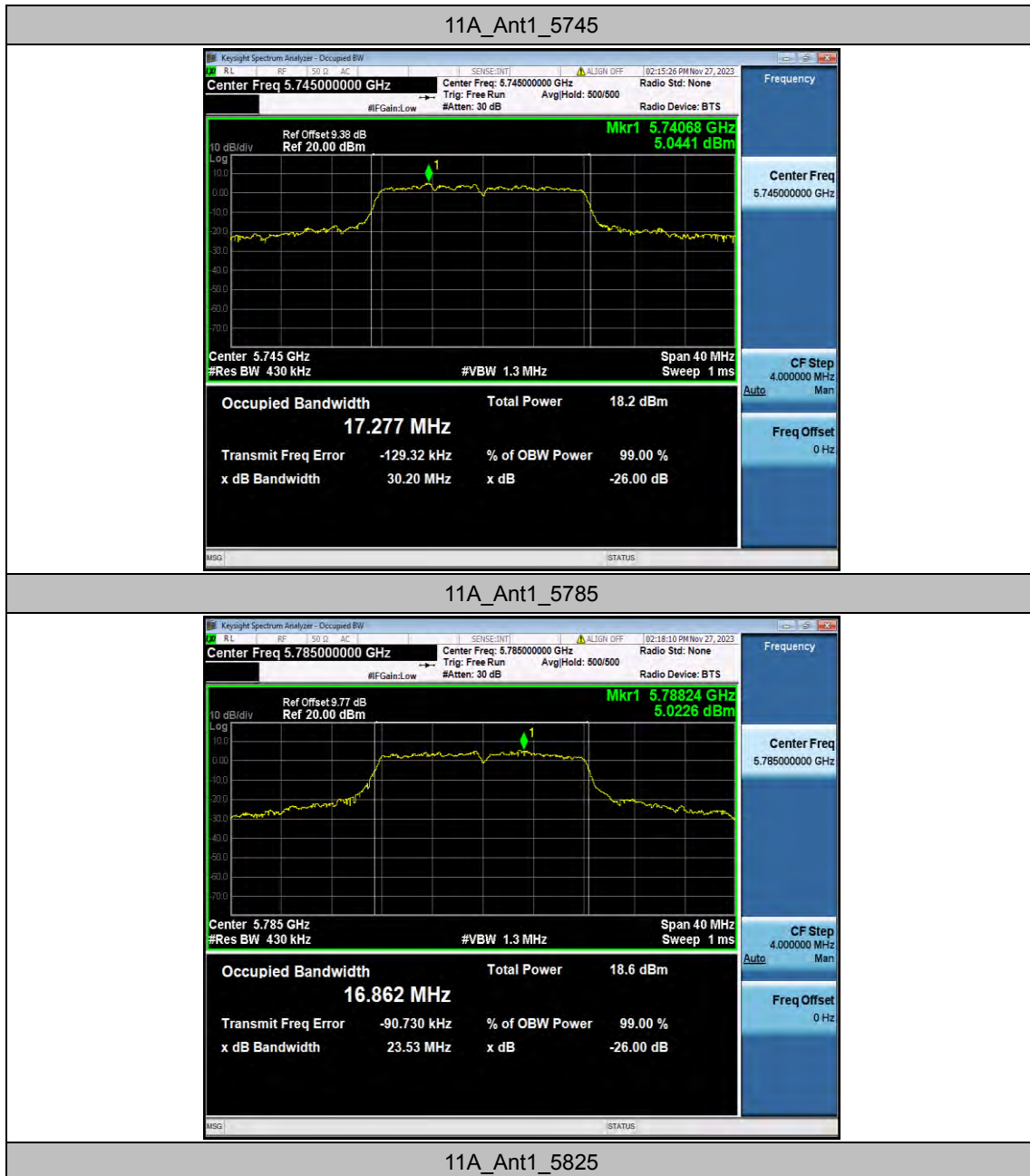
<b>Case No. :</b> <u>GTS20231023002-1-10</u>
<b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
<b>Test Date:</b> <u>2023.11.27</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

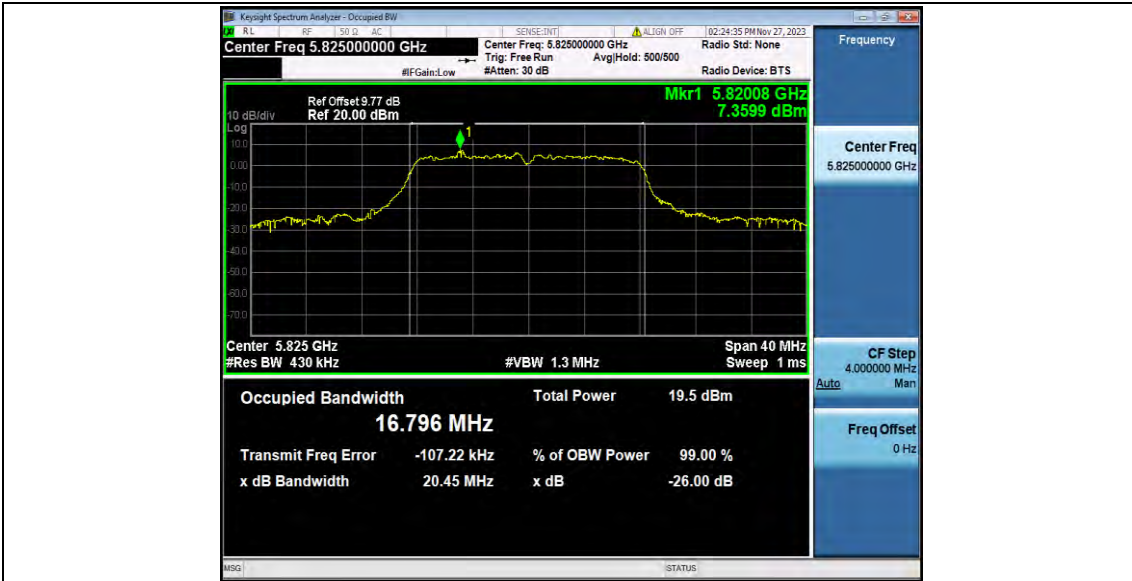
## Appendix D.1: Occupied channel bandwidth

### Test Result

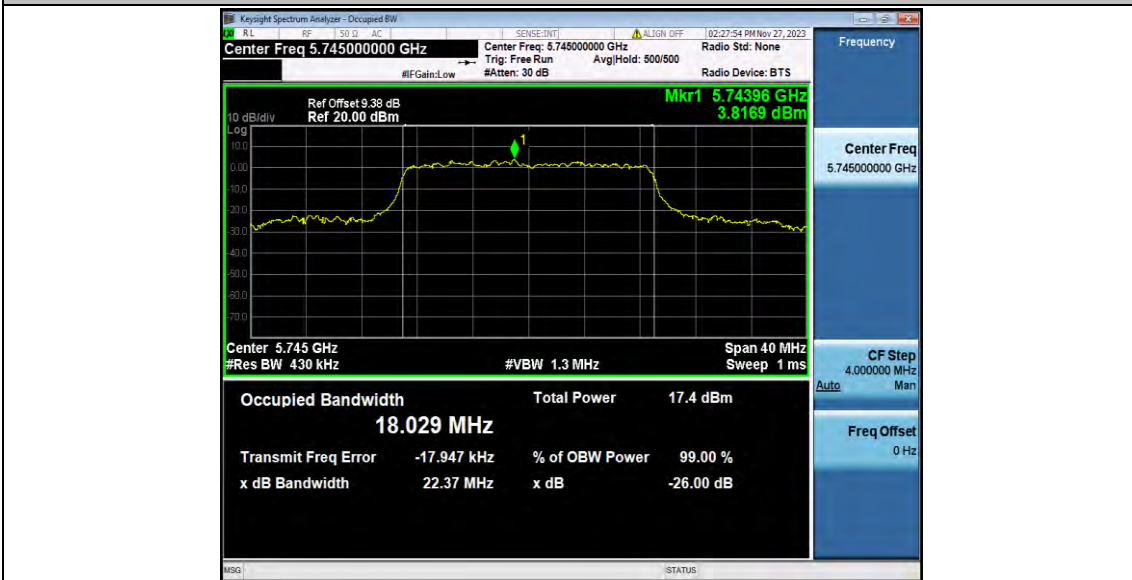
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.277	5736.232	5753.509	---	---
		5785	16.862	5776.478	5793.340	---	---
		5825	16.796	5816.495	5833.291	---	---
11N20SISO	Ant1	5745	18.029	5735.968	5753.997	---	---
		5785	17.135	5776.393	5793.528	---	---
		5825	17.031	5816.454	5833.485	---	---
11AC20SISO	Ant1	5745	20.587	5734.725	5755.312	---	---
		5785	17.731	5776.1341	5793.8651	---	---
		5825	17.711	5816.1176	5833.8286	---	---

## Test Graphs





11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



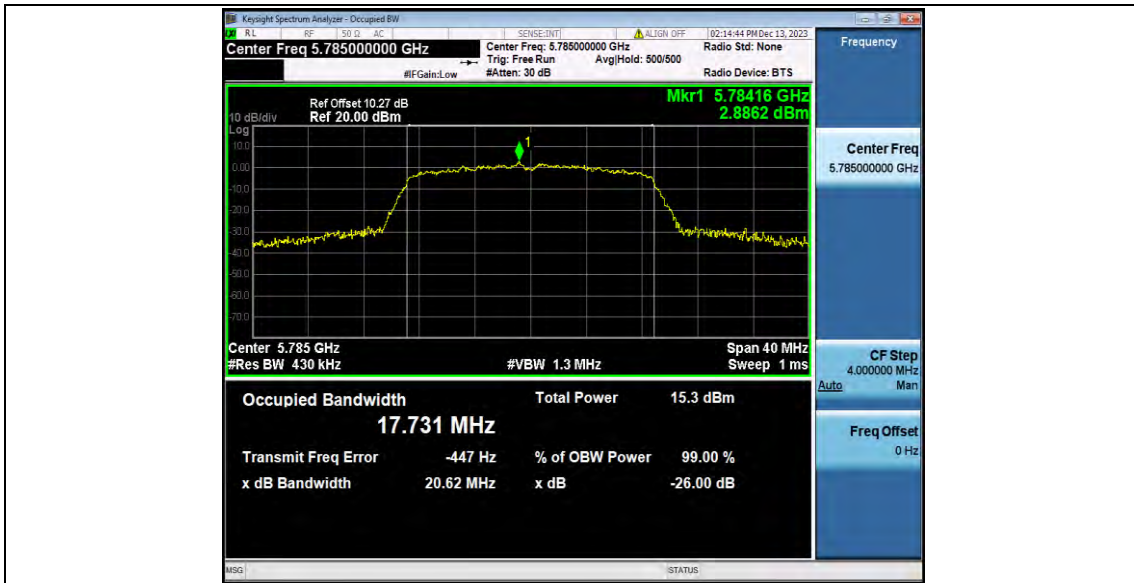
11N20SISO\_Ant1\_5825



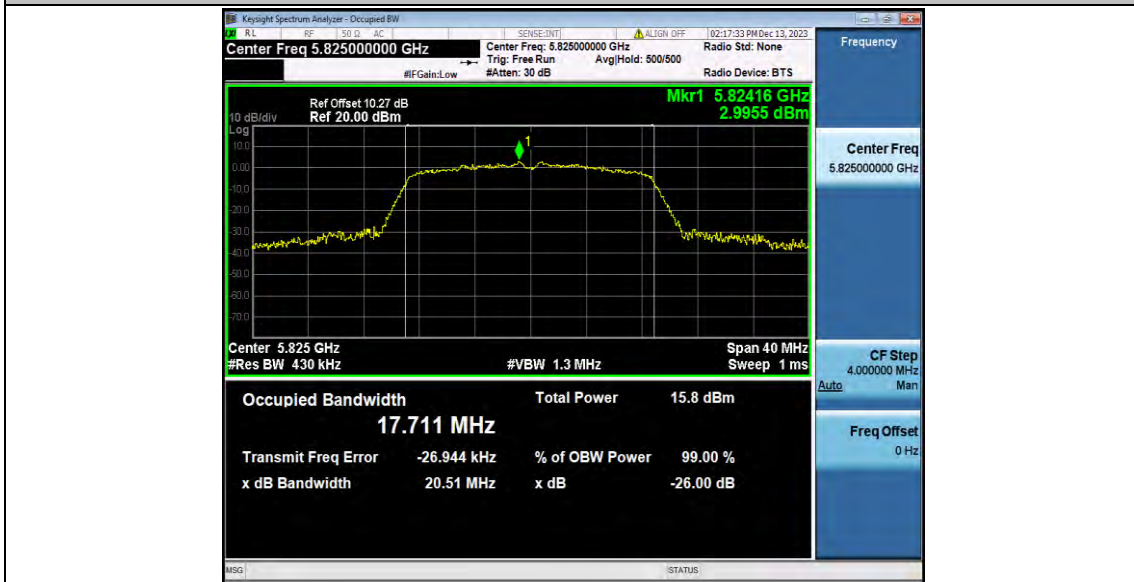
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825

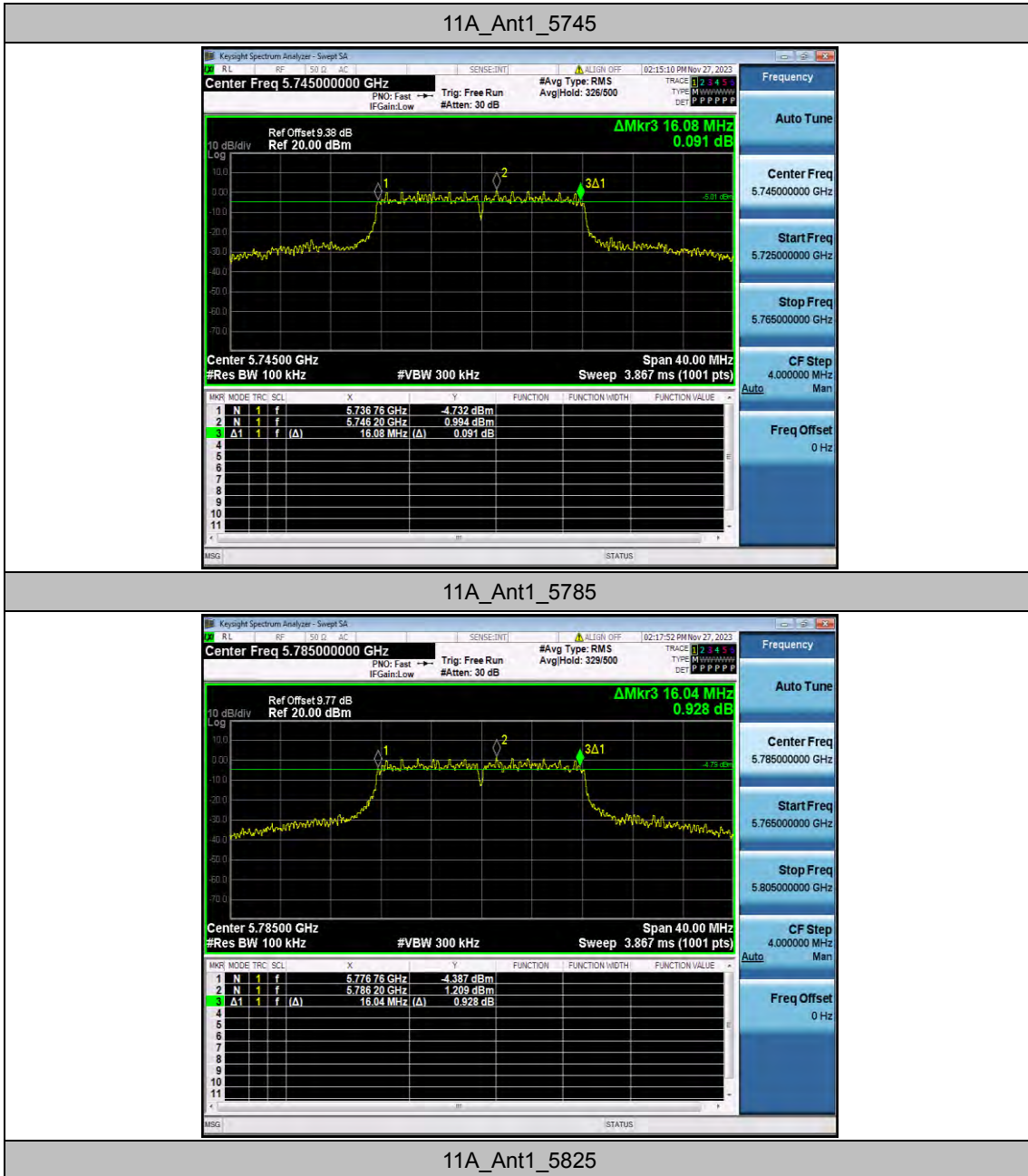


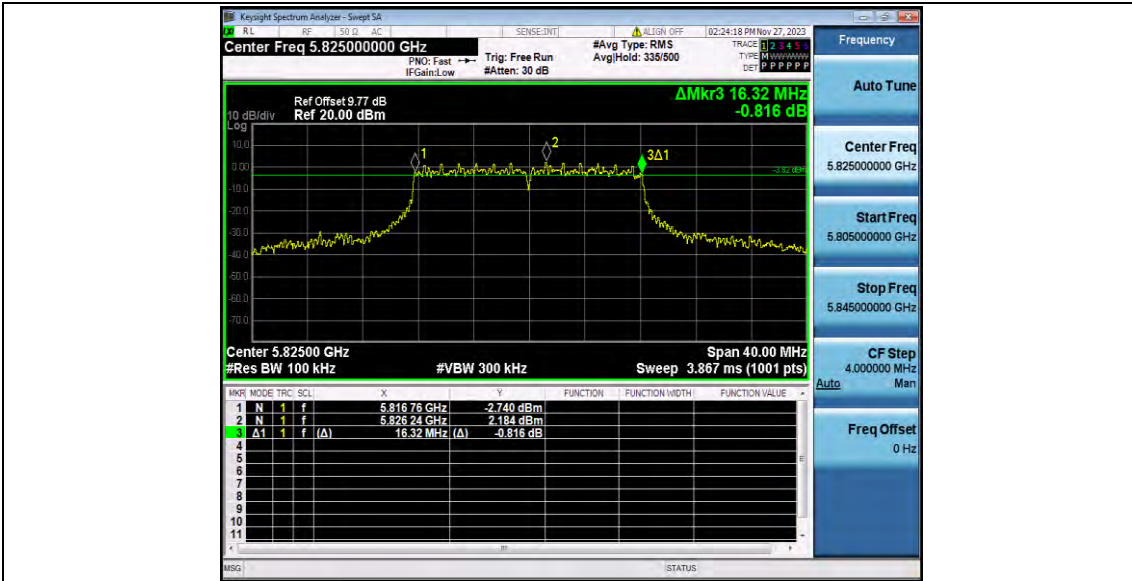
## Appendix D.2: Min emission bandwidth

### Test Result B4

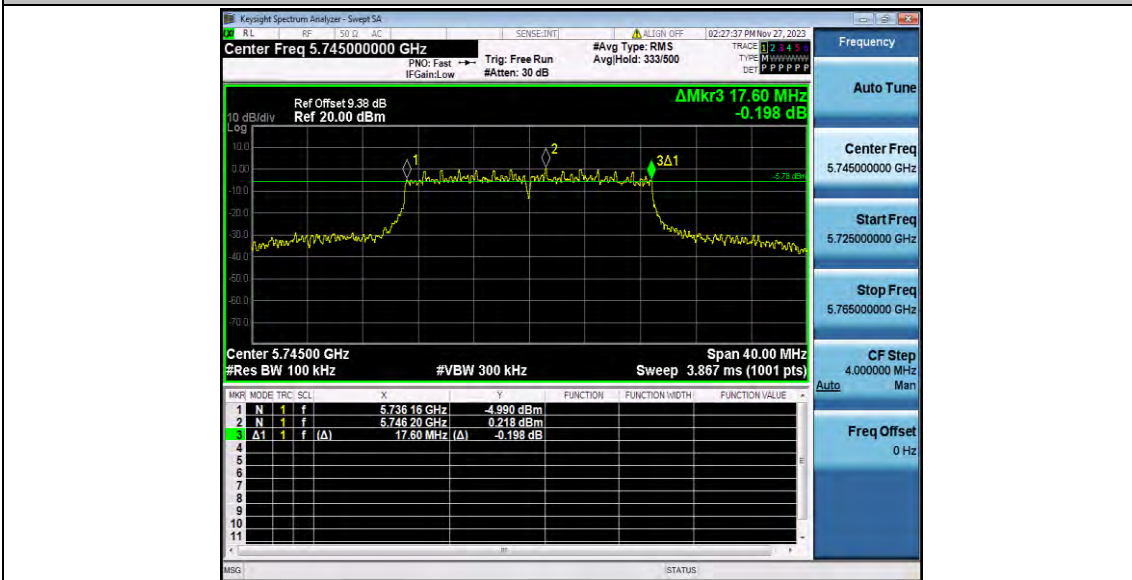
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.080	5736.760	5752.840	0.5	PASS
		5785	16.040	5776.760	5792.800	0.5	PASS
		5825	16.320	5816.760	5833.080	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	12.840	5778.600	5791.440	0.5	PASS
		5825	15.080	5817.400	5832.480	0.5	PASS
11AC20SISO	Ant1	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	13.840	5778.640	5792.480	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS

### Test Graphs B4

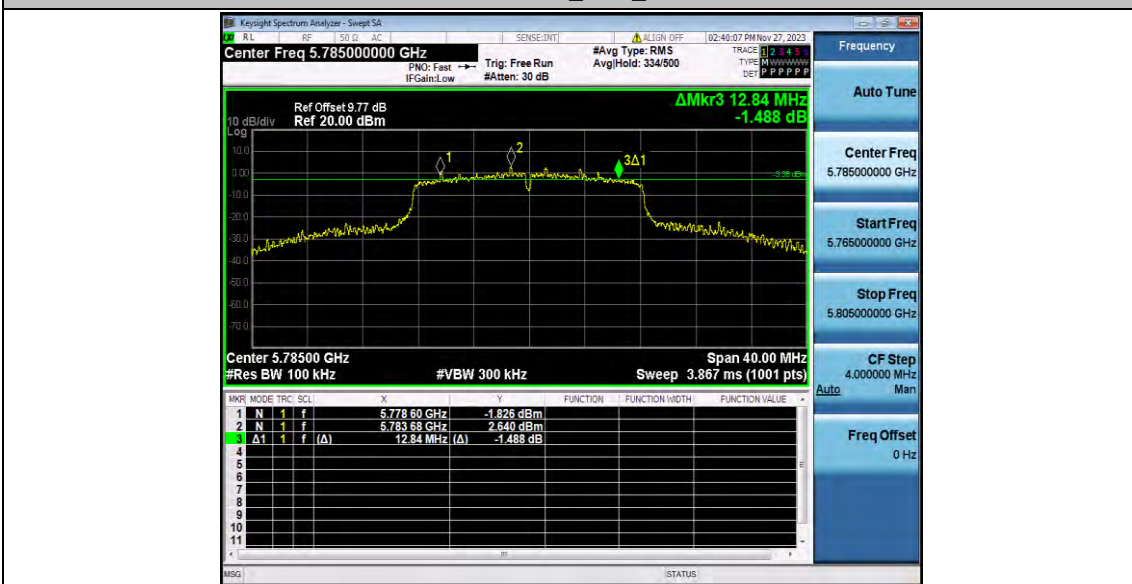




11N20SISO\_Ant1\_5745

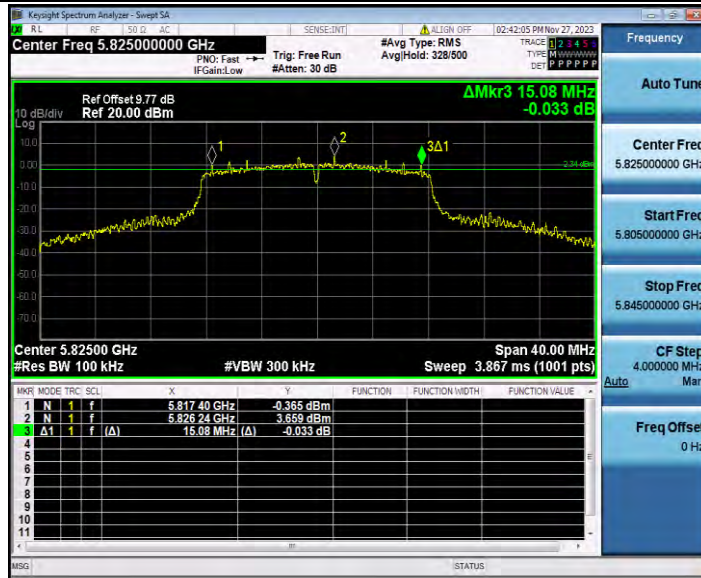


11N20SISO\_Ant1\_5785

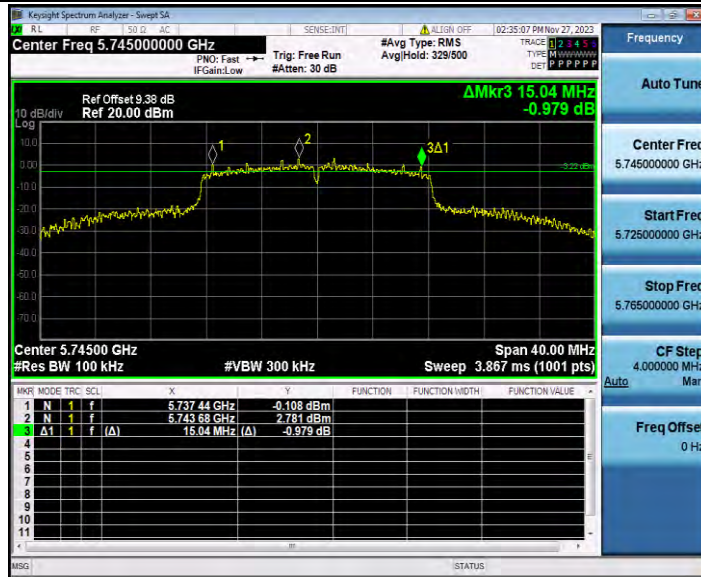




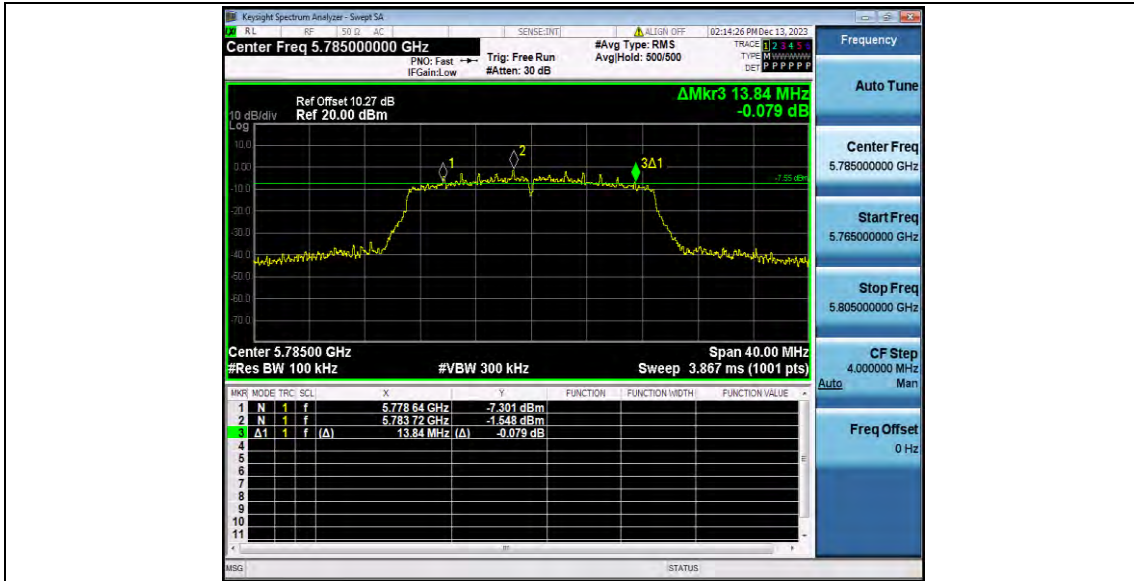
11N20SISO\_Ant1\_5825



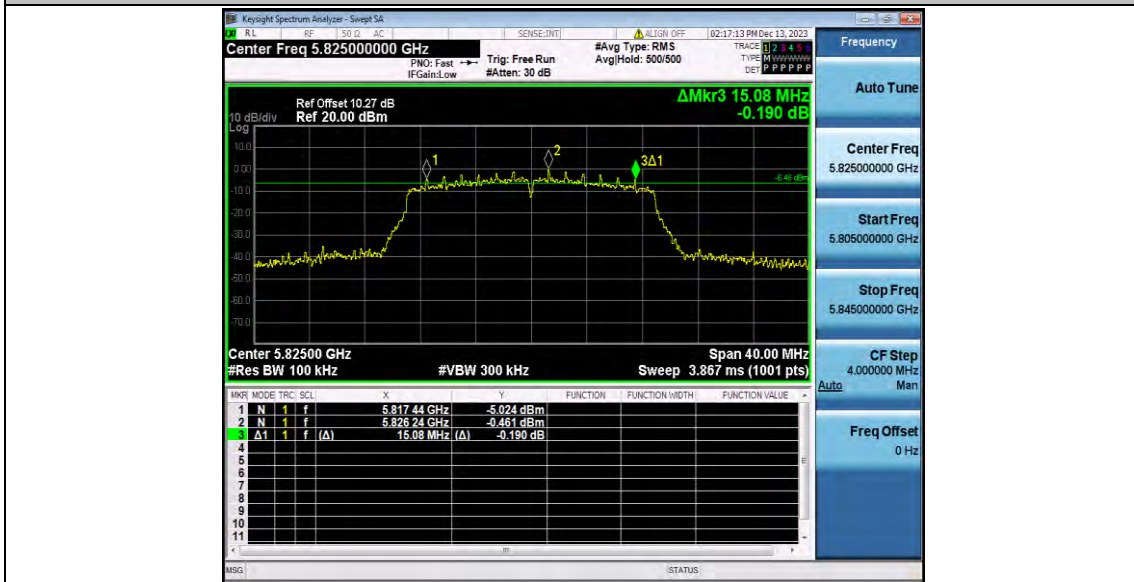
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825

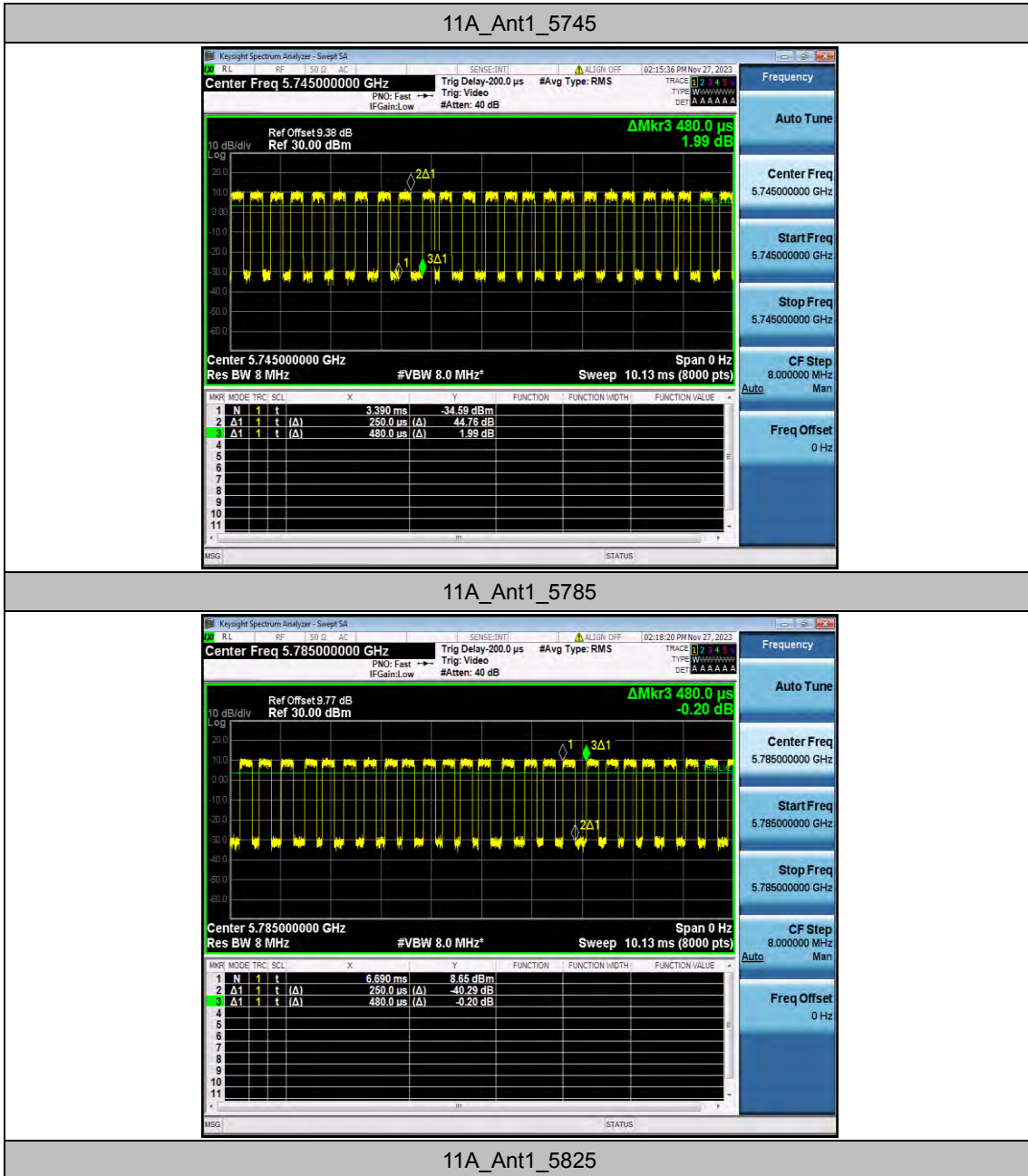


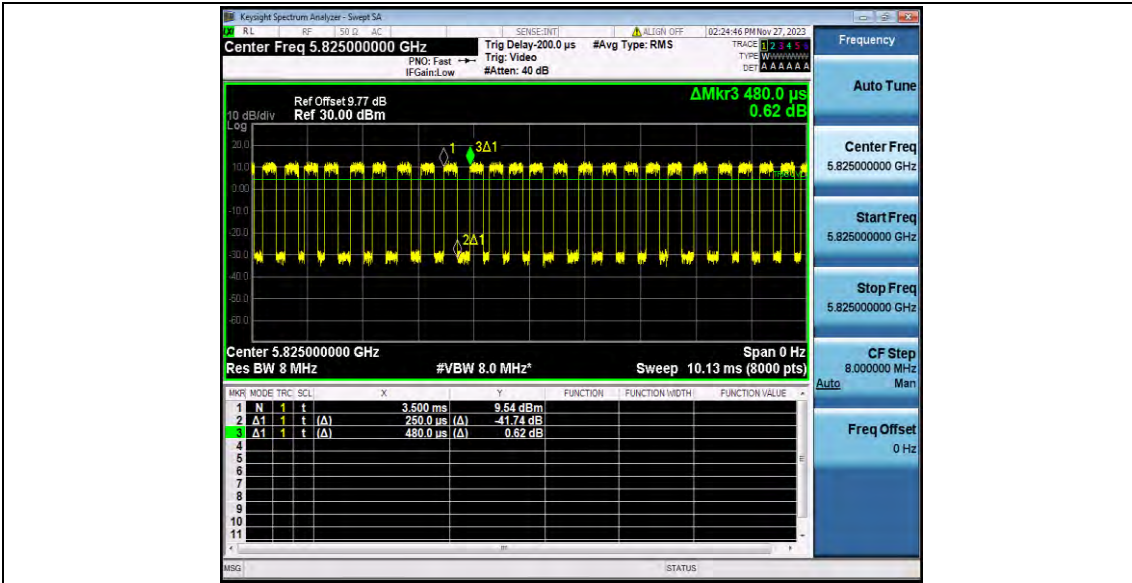
## Appendix D.3: Duty Cycle

### Test Result

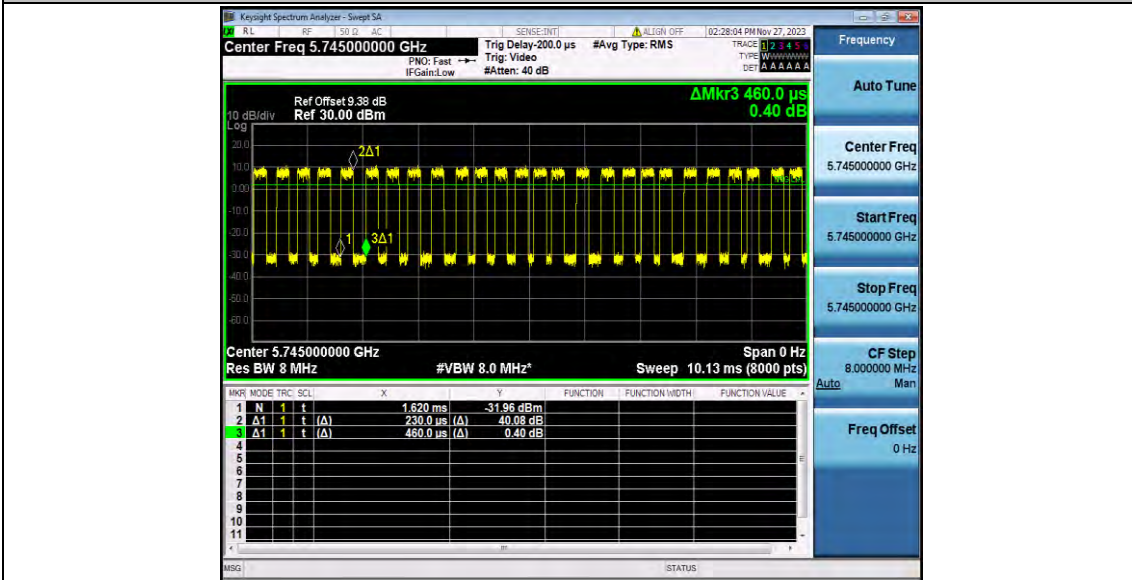
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	0.25	0.48	52.08
		5785	0.25	0.48	52.08
		5825	0.25	0.48	52.08
11N20SISO	Ant1	5745	0.23	0.46	50.00
		5785	2.07	2.56	80.86
		5825	2.06	2.47	83.40
11AC20SISO	Ant1	5745	2.06	2.48	83.06
		5785	1.31	1.35	97.04
		5825	1.31	1.35	97.04

## Test Graphs

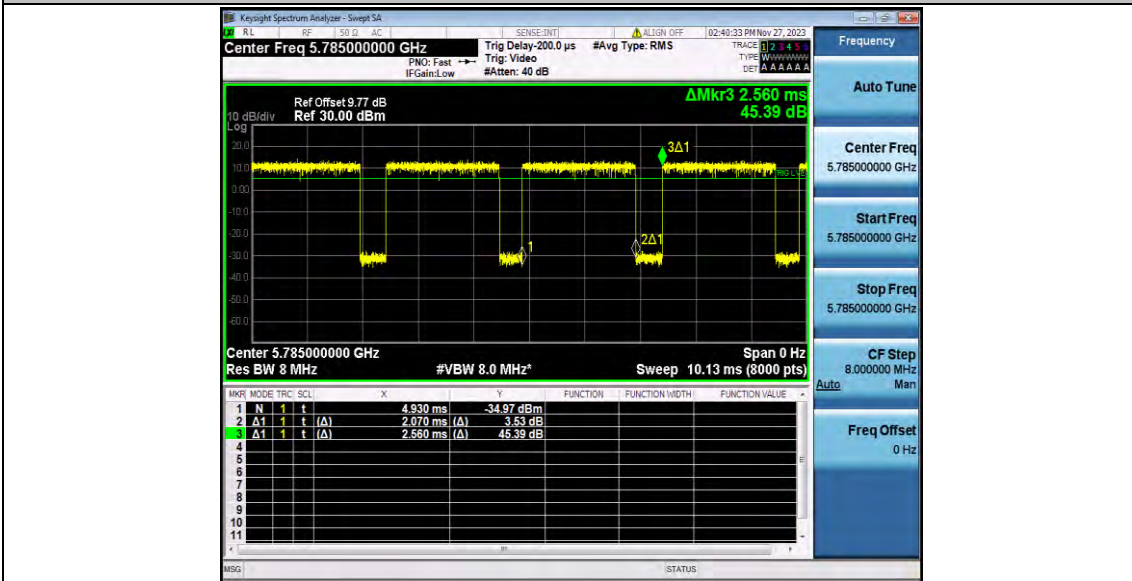




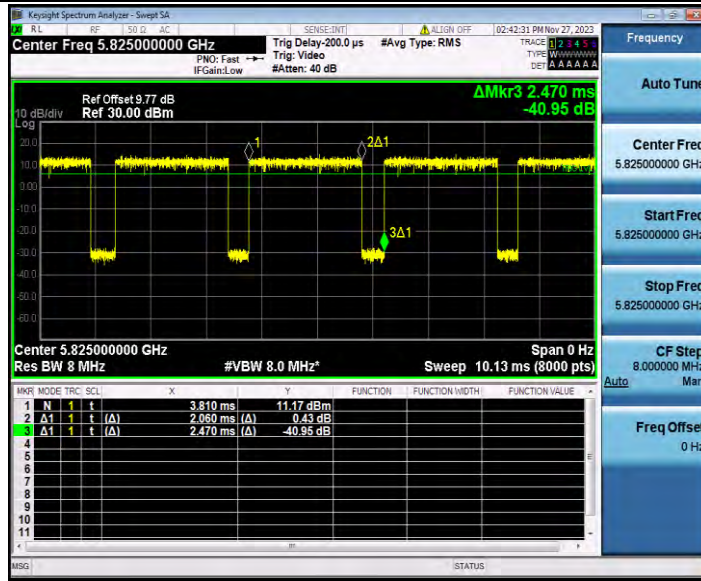
11N20SISO\_Ant1\_5745



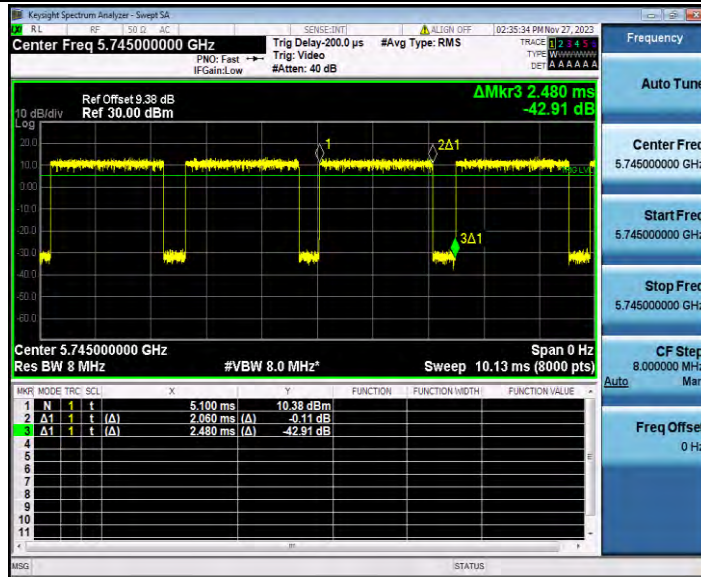
11N20SISO\_Ant1\_5785



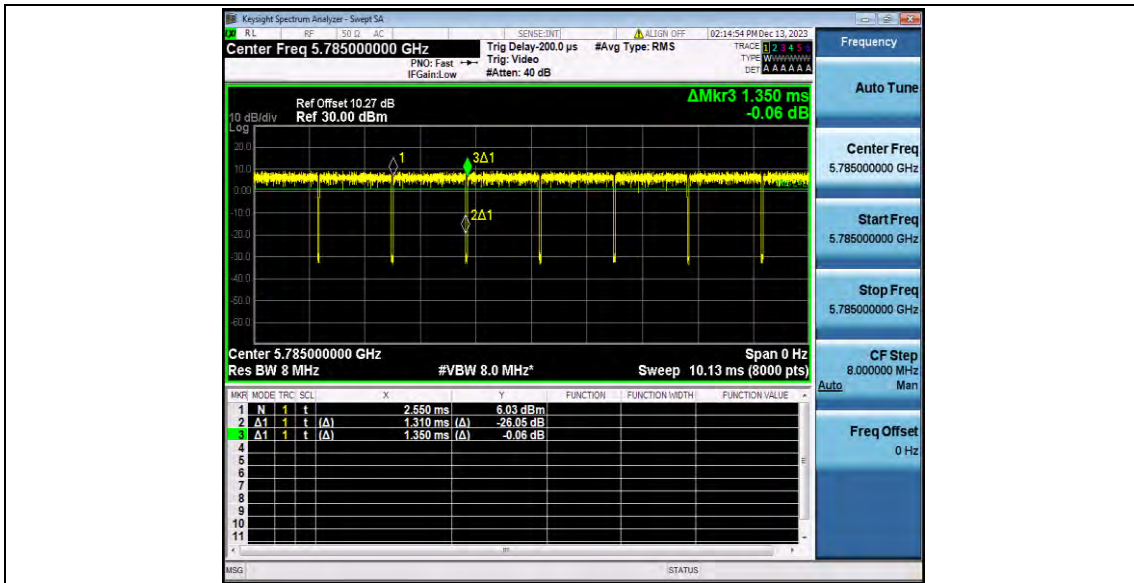
11N20SISO\_Ant1\_5825



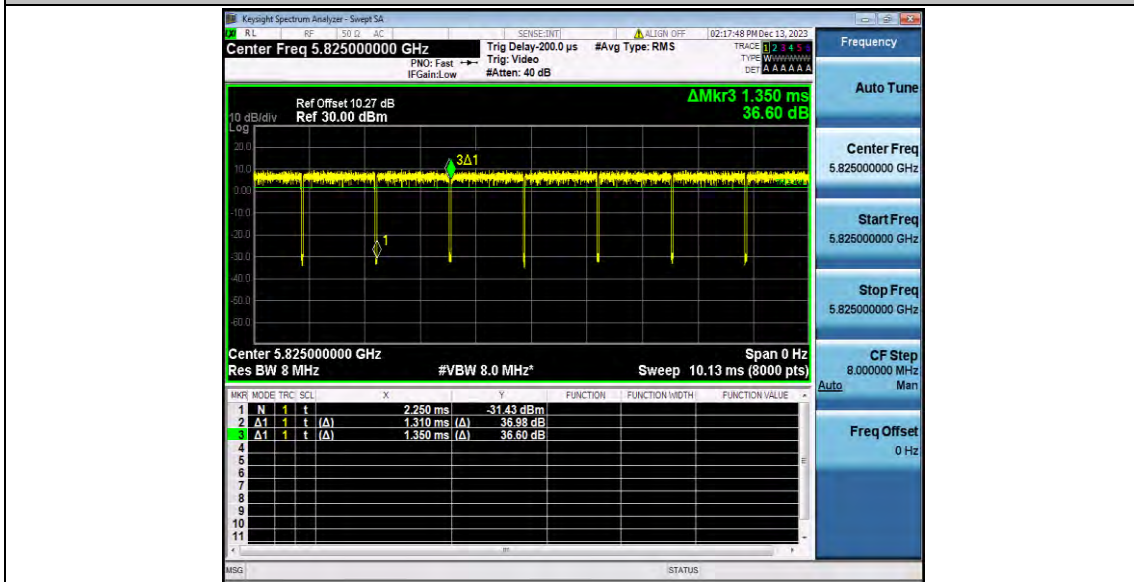
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



## Appendix D.4: Maximum conducted output power

### Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	9.35	52.08	2.83	12.18	≤30.00	PASS
		5785	9.54	52.08	2.83	12.37	≤30.00	PASS
		5825	10.36	52.08	2.83	13.19	≤30.00	PASS
11N20SISO	Ant1	5745	8.32	50.00	3.01	11.33	≤30.00	PASS
		5785	12.17	80.86	0.92	13.09	≤30.00	PASS
		5825	12.94	83.40	0.79	13.73	≤30.00	PASS
11AC20SISO	Ant1	5745	12.04	83.06	0.81	12.85	≤30.00	PASS
		5785	12.64	97.04	0.13	12.77	≤30.00	PASS
		5825	11.9	97.04	0.13	12.03	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.



## Appendix D.5: Maximum power spectral density

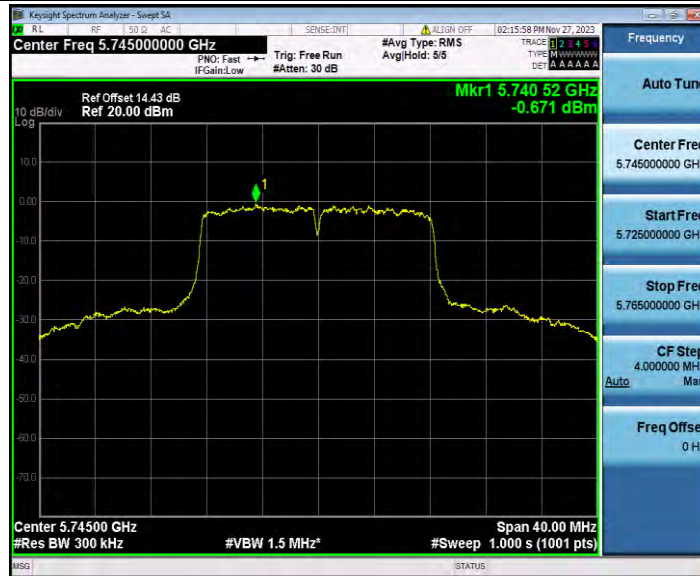
### Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.67	≤30.00	PASS
		5785	-0.45	≤30.00	PASS
		5825	0.03	≤30.00	PASS
11N20SISO	Ant1	5745	-1.58	≤30.00	PASS
		5785	1.07	≤30.00	PASS
		5825	1.43	≤30.00	PASS
11AC20SISO	Ant1	5745	0.59	≤30.00	PASS
		5785	-4.37	≤30.00	PASS
		5825	-4.01	≤30.00	PASS

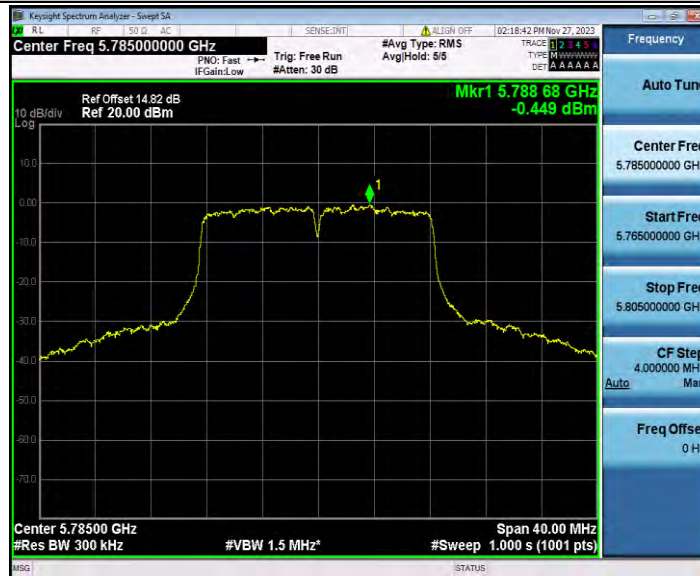
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## Test Graphs

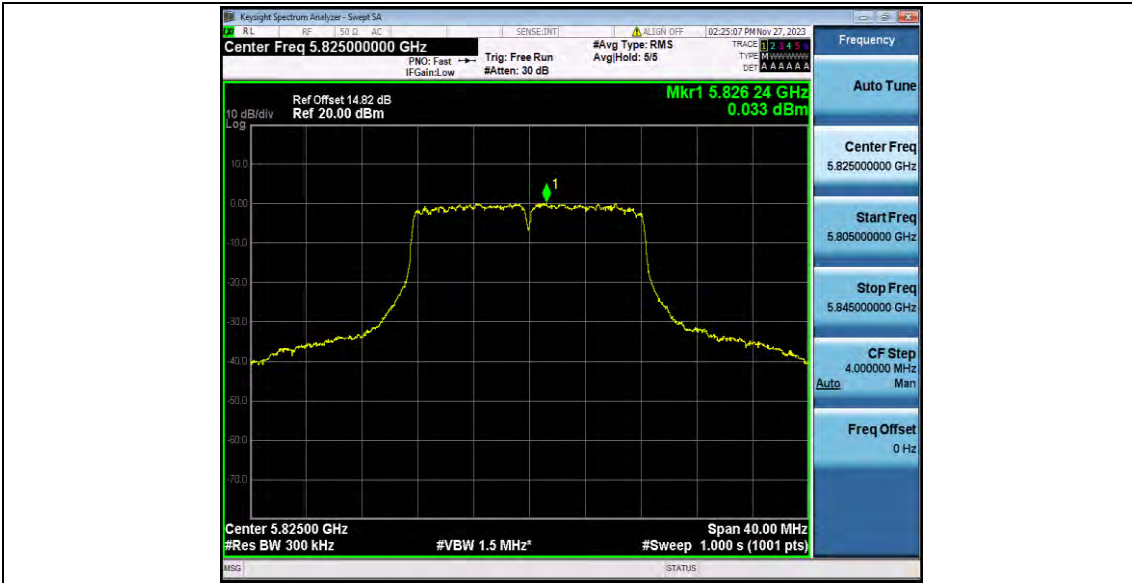
11A\_Ant1\_5745



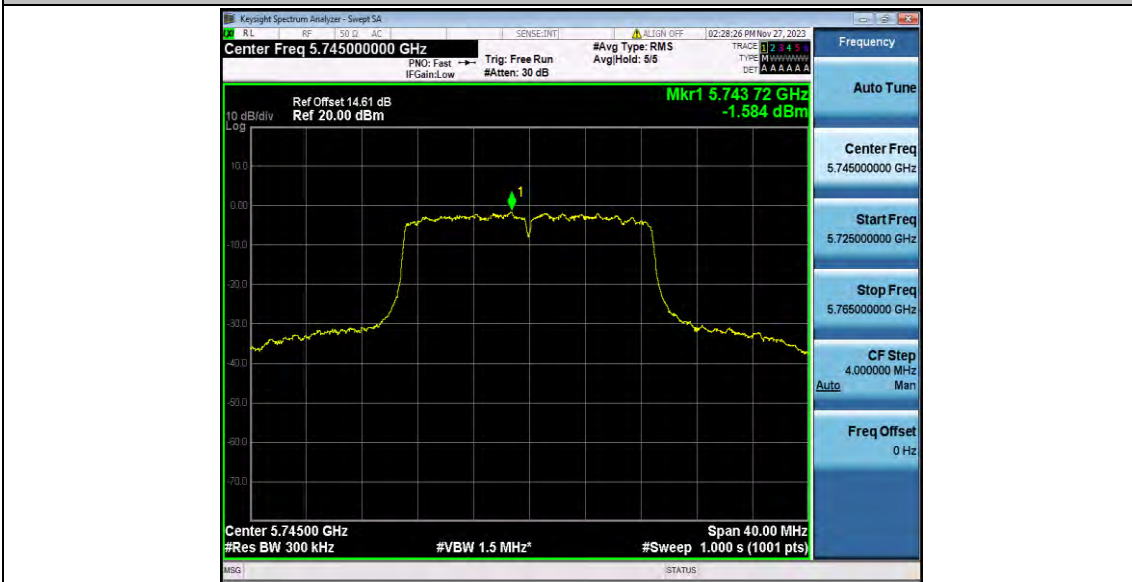
11A\_Ant1\_5785



11A\_Ant1\_5825



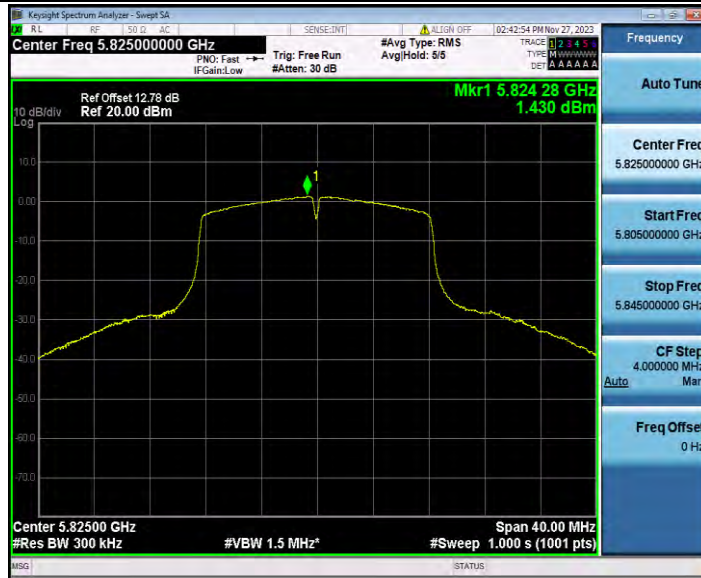
11N20SISO\_Ant1\_5745



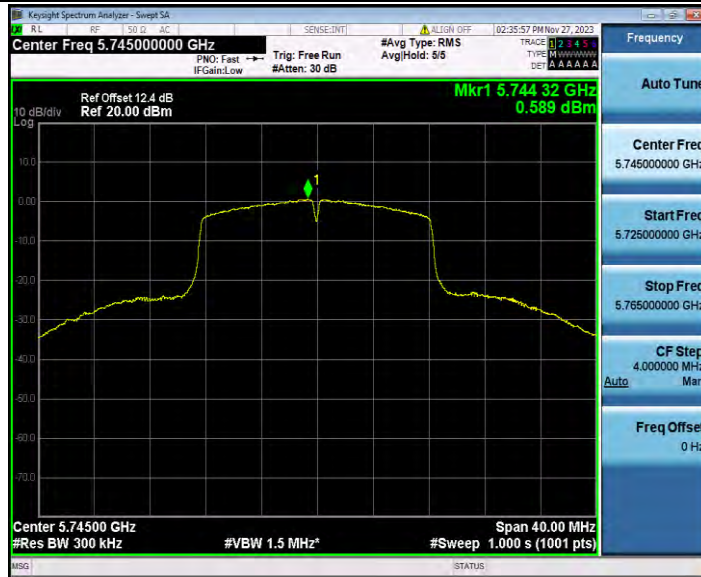
11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825

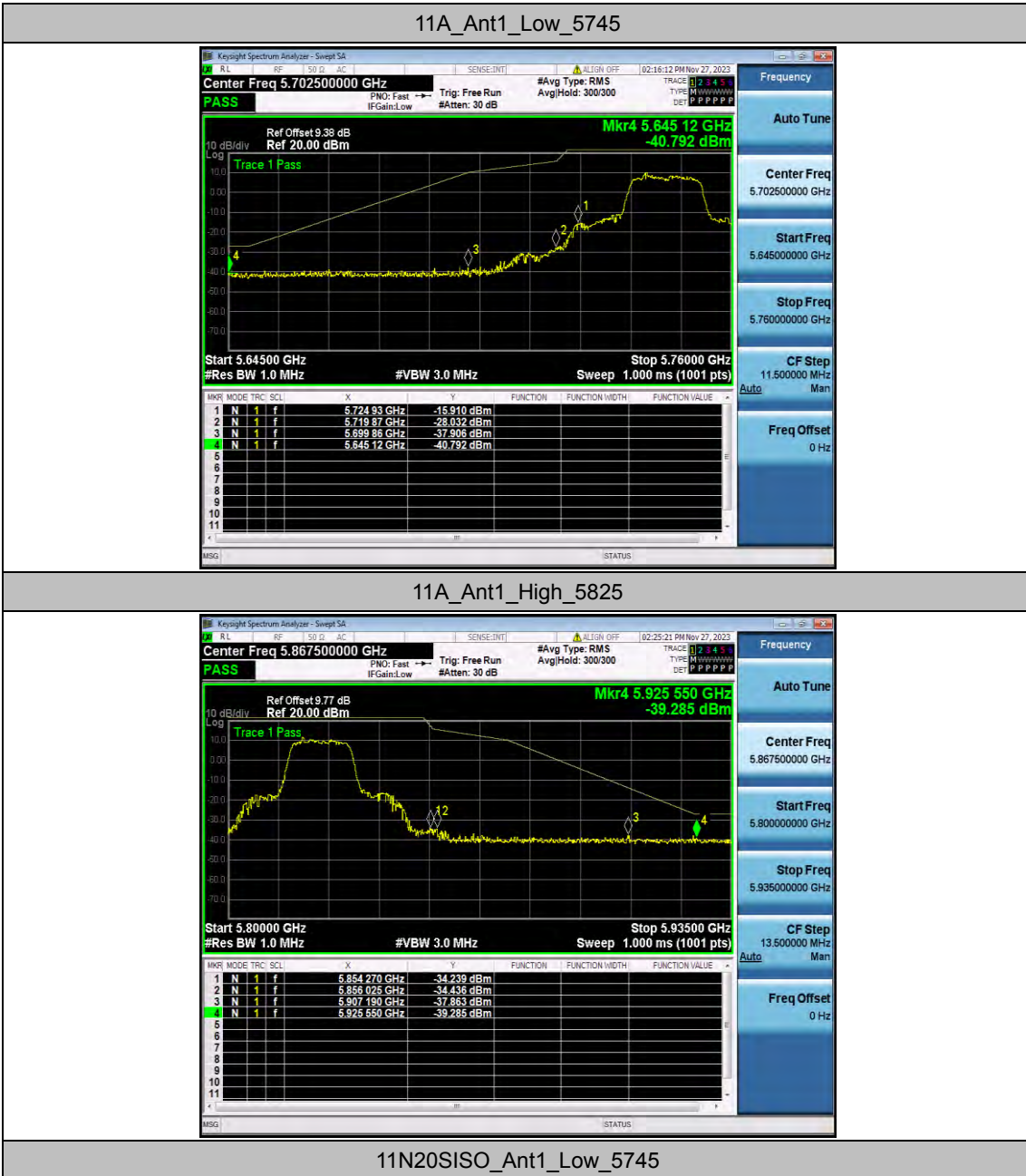


## Appendix D.6: Band edge measurements

### Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-37.91	≤9.89	PASS
				5700~5720	-28.03	≤15.56	PASS
				5720~5725	-15.91	≤26.83	PASS
				5760~5650	-40.79	≤-27	PASS
		High	5825	5850~5855	-34.24	≤25.34	PASS
				5855~5875	-34.44	≤10.29	PASS
				5875~5925	-37.86	≤-3.18	PASS
				5925~5935	-39.29	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.33	≤3.08	PASS
				5700~5720	-29.45	≤15.53	PASS
				5720~5725	-21.62	≤26.83	PASS
				5760~5650	-39.93	≤-27	PASS
		High	5825	5850~5855	-25.11	≤21.03	PASS
				5855~5875	-30.99	≤10.14	PASS
				5875~5925	-38.15	≤-10.57	PASS
				5925~5935	-37.85	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-37.33	≤8.79	PASS
				5700~5720	-24.27	≤15.47	PASS
				5720~5725	-20.02	≤26.83	PASS
				5760~5650	-40.5	≤-27	PASS
		High	5825	5850~5855	-35.48	≤17.95	PASS
				5855~5875	-37.59	≤15.09	PASS
				5875~5925	-36.82	≤6.31	PASS
				5925~5935	-38.13	≤-27	PASS

### Test Graphs B4


**11A\_Ant1\_High\_5825**
**11N20SISO\_Ant1\_Low\_5745**



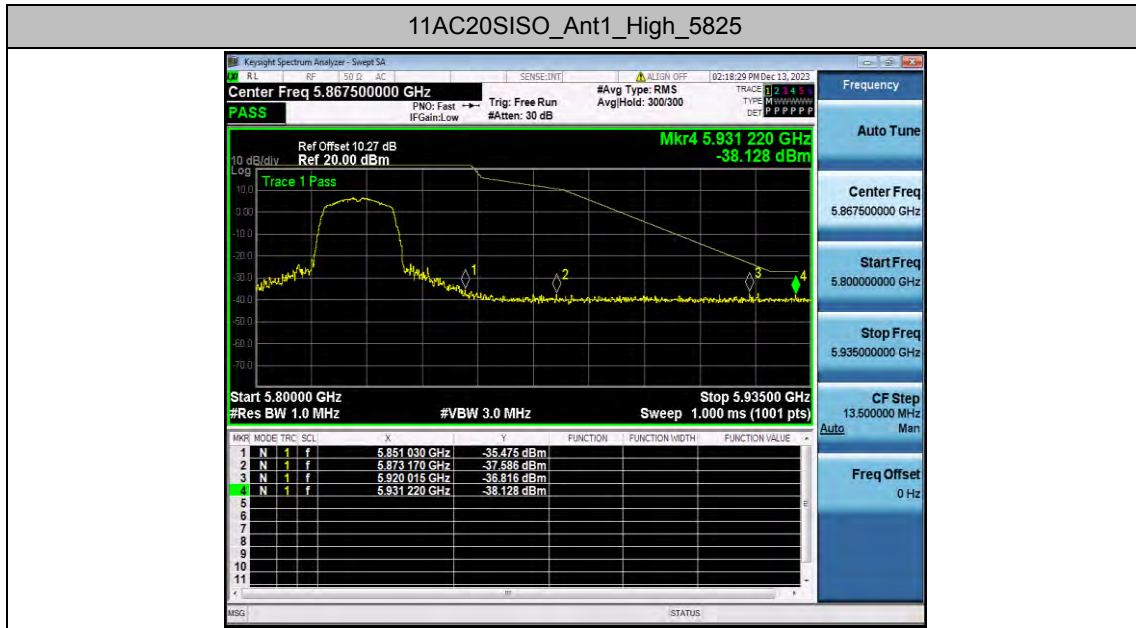
11N20SISO\_Ant1\_High\_5825



11AC20SISO\_Ant1\_Low\_5745







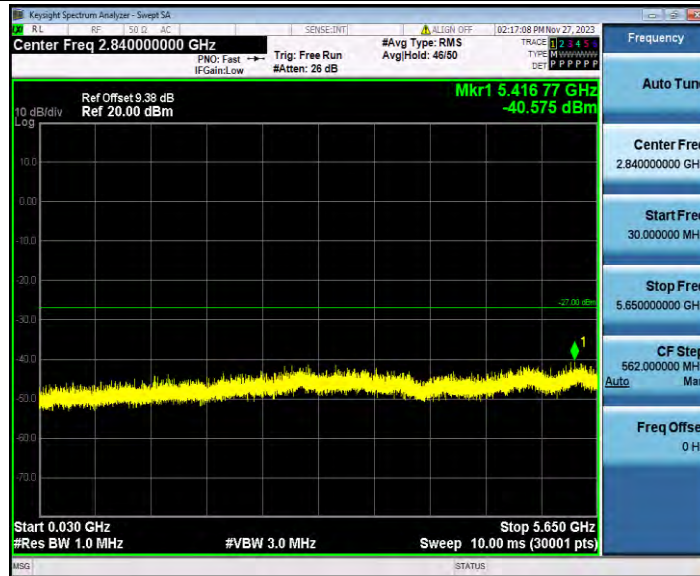
## Appendix D.7: Conducted Spurious Emission

### Test Result

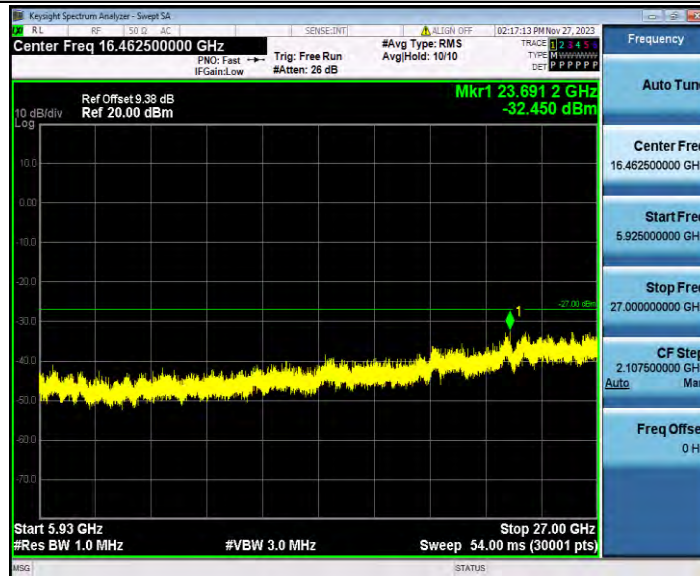
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5416.77	-40.58	≤-27	PASS
			5925~40000	23691.23	-32.45	≤-27	PASS
		5785	30~5650	3057.68	-40.6	≤-27	PASS
			5925~40000	26478.75	-31.88	≤-27	PASS
		5825	30~5650	5420.89	-40.65	≤-27	PASS
			5925~40000	25065.32	-32.35	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5482.71	-40.89	≤-27	PASS
			5925~40000	26942.4	-32.53	≤-27	PASS
		5785	30~5650	5446.18	-39.99	≤-27	PASS
			5925~40000	23519.11	-31.65	≤-27	PASS
		5825	30~5650	5419.77	-40.53	≤-27	PASS
			5925~40000	26062.87	-30.85	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5456.86	-40.14	≤-27	PASS
			5925~40000	24870.02	-32.34	≤-27	PASS
		5785	30~5650	5452.36	-39.31	≤-27	PASS
			5925~40000	24940.27	-31.19	≤-27	PASS
		5825	30~5650	4989.46	-39.72	≤-27	PASS
			5925~40000	26046.71	-31.18	≤-27	PASS

## Test Graphs

11A\_Ant1\_5745\_30~5650



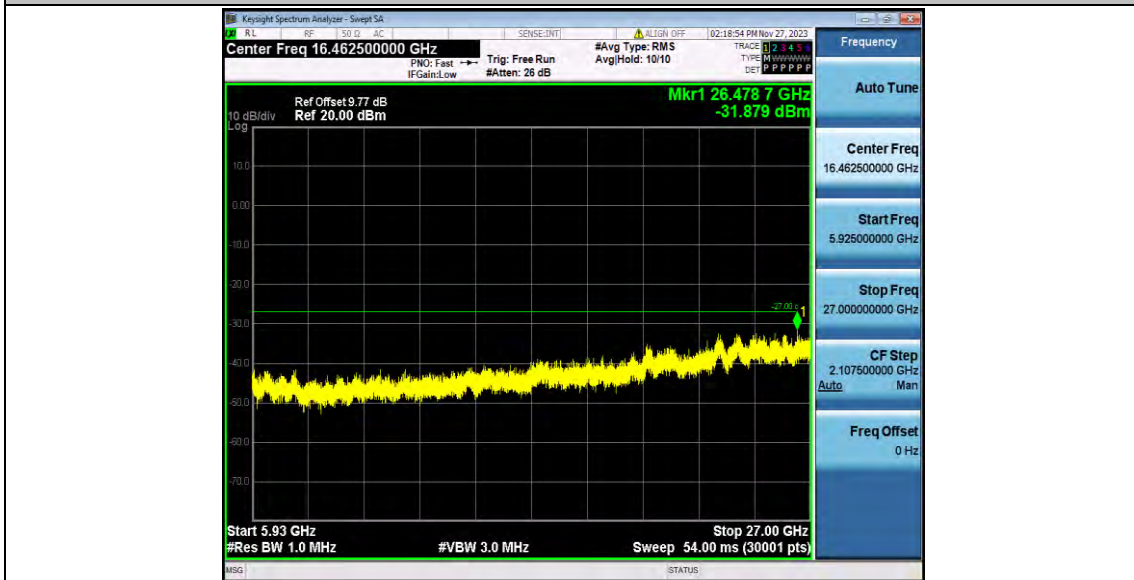
11A\_Ant1\_5745\_5925~40000



11A\_Ant1\_5785\_30~5650



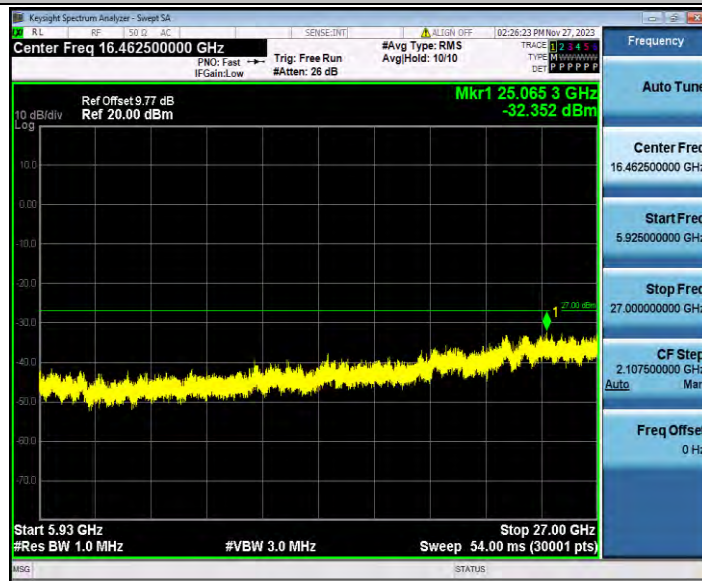
11A\_Ant1\_5785\_5925~40000



11A\_Ant1\_5825\_30~5650



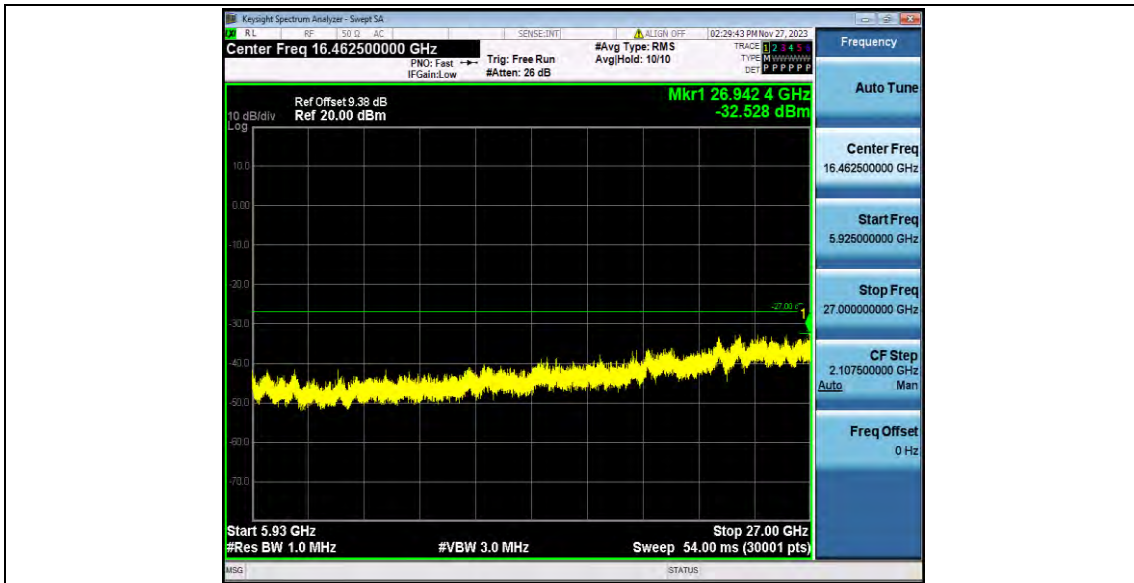
11A\_Ant1\_5825\_5925~40000



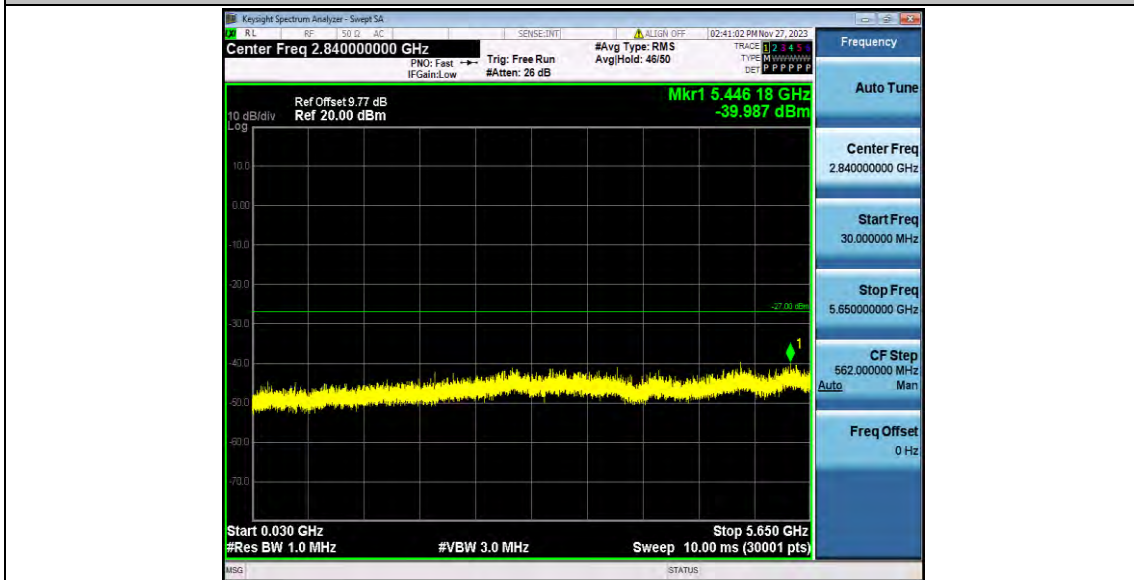
11N20SISO\_Ant1\_5745\_30~5650



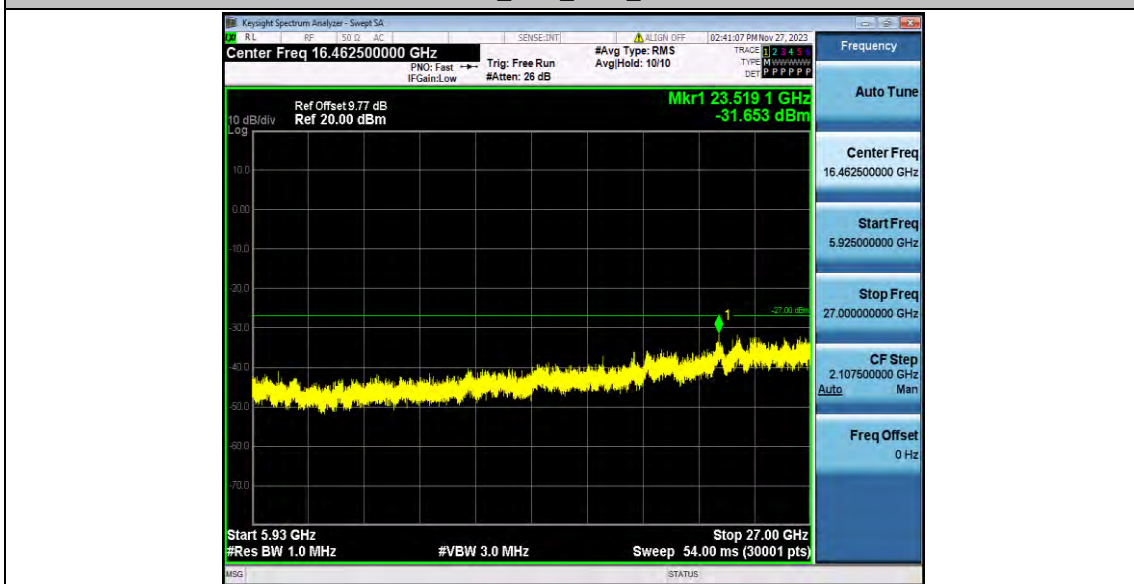
11N20SISO\_Ant1\_5745\_5925~40000



11N20SISO\_Ant1\_5785\_30~5650



11N20SISO\_Ant1\_5785\_5925~40000



11N20SISO\_Ant1\_5825\_30~5650



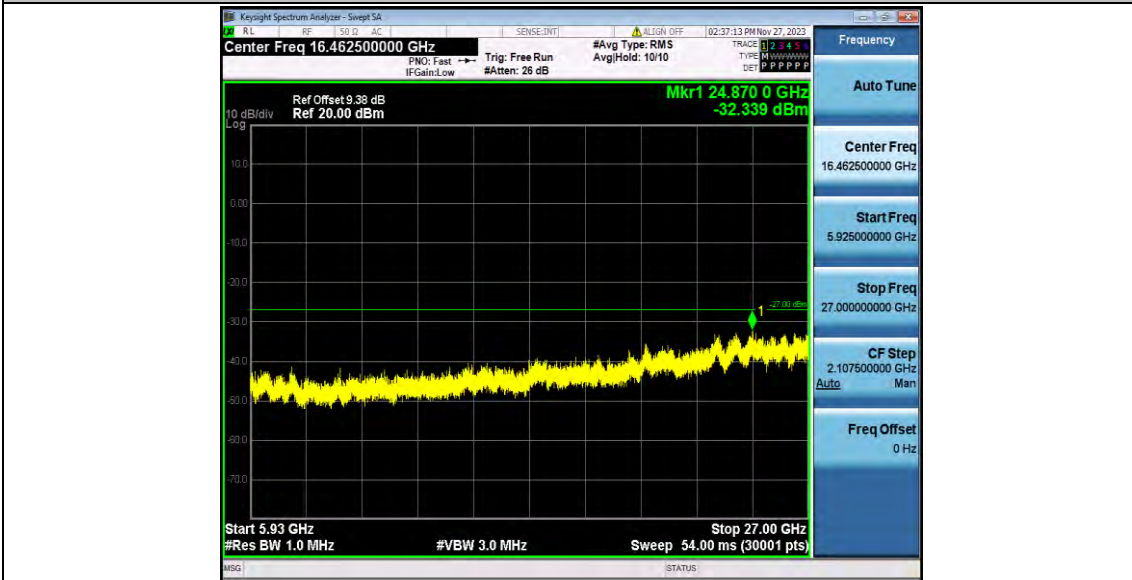
11N20SISO\_Ant1\_5825\_5925~40000



11AC20SISO\_Ant1\_5745\_30~5650



11AC20SISO\_Ant1\_5745\_5925~4000

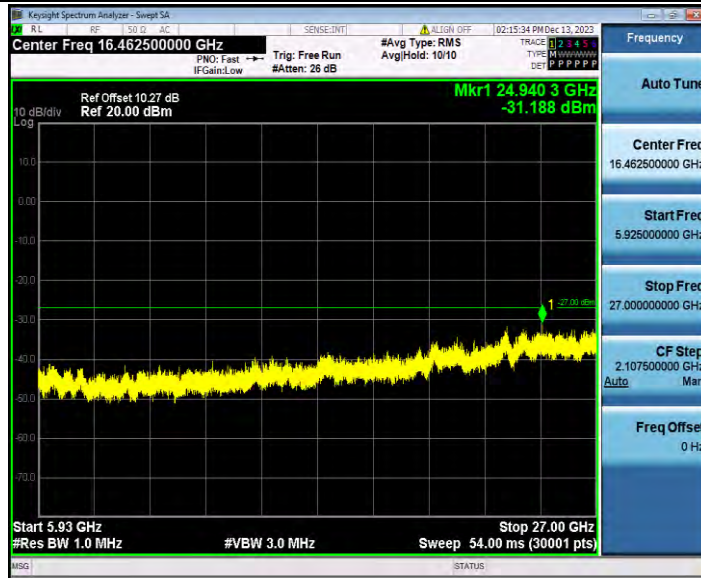


11AC20SISO\_Ant1\_5785\_30~5650

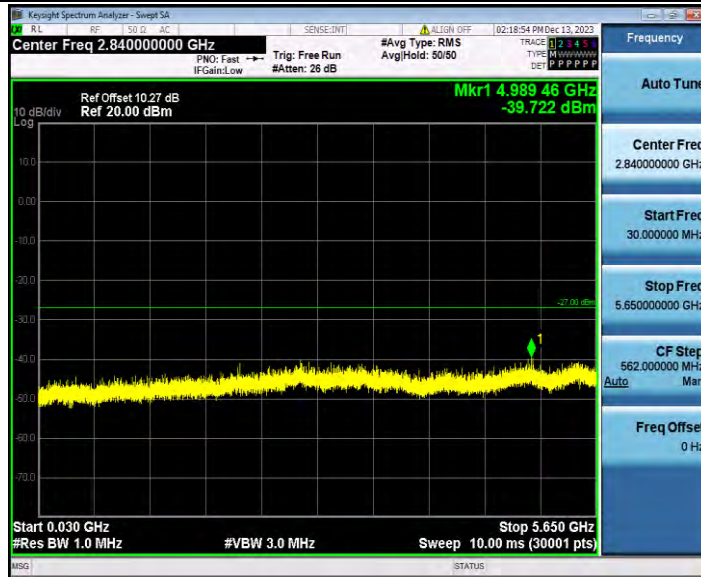




11AC20SISO\_Ant1\_5785\_5925~40000



11AC20SISO\_Ant1\_5825\_30~5650



11AC20SISO\_Ant1\_5825\_5925~40000



## Appendix D.8: Emissions in Restricted Bands

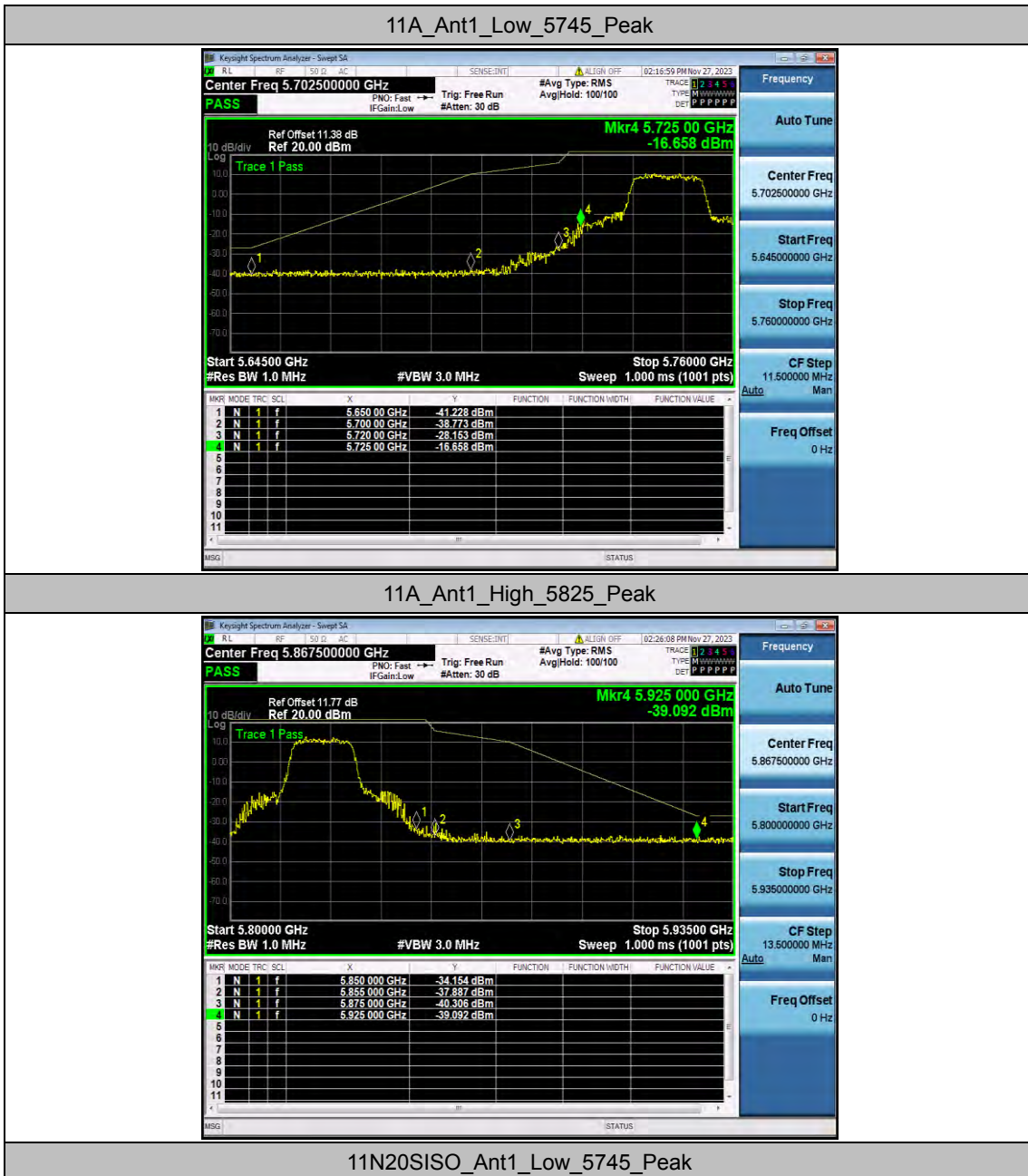
### Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-41.228	≤-27.00	---	---	PASS
				Peak	5700.000	-38.77	≤10.00	---	---	PASS
				Peak	5720.000	-28.15	≤15.60	---	---	PASS
				Peak	5725.000	-16.66	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-34.154	≤15.60	---	---	PASS
				Peak	5855.000	-37.89	≤27.00	---	---	PASS
				Peak	5875.000	-40.31	≤15.60	---	---	PASS
				Peak	5925.000	-39.09	≤10.00	---	---	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-40.378	≤-27.00	---	---	PASS
				Peak	5700.000	-40.43	≤10.00	---	---	PASS
				Peak	5720.000	-27.87	≤15.60	---	---	PASS
				Peak	5725.000	-20.33	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-29.047	≤15.60	---	---	PASS
				Peak	5855.000	-34.21	≤27.00	---	---	PASS
				Peak	5875.000	-38.88	≤15.60	---	---	PASS
				Peak	5925.000	-39.44	≤10.00	---	---	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-39.821	≤-27.00	---	---	PASS
				Peak	5700.000	-39.92	≤10.00	---	---	PASS
				Peak	5720.000	-26.73	≤15.60	---	---	PASS
				Peak	5725.000	-19.65	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-35.549	≤15.60	---	---	PASS
				Peak	5855.000	-38.17	≤27.00	---	---	PASS
				Peak	5875.000	-37.77	≤15.60	---	---	PASS
				Peak	5925.000	-39.3	≤10.00	---	---	PASS

#### Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs





11N20SISO\_Ant1\_High\_5825\_Peak



11AC20SISO\_Ant1\_Low\_5745\_Peak



