

## Appendix B: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	12.31	<=23.98	PASS
		5200	12.78	<=23.98	PASS
		5240	13.28	<=23.98	PASS
		5745	11.39	<=30	PASS
		5785	11.66	<=30	PASS
		5825	12.50	<=30	PASS
11N20SISO	Ant1	5180	16.80	<=23.98	PASS
		5200	11.25	<=23.98	PASS
		5240	17.76	<=23.98	PASS
		5745	10.20	<=30	PASS
		5785	10.52	<=30	PASS
		5825	11.36	<=30	PASS
11N40SISO	Ant1	5190	16.32	<=23.98	PASS
		5230	12.73	<=23.98	PASS
		5755	10.71	<=30	PASS
		5795	10.85	<=30	PASS
11AC20SISO	Ant1	5180	12.31	<=23.98	PASS
		5200	12.63	<=23.98	PASS
		5240	13.14	<=23.98	PASS
		5745	10.48	<=30	PASS
		5785	9.94	<=30	PASS
		5825	11.82	<=30	PASS
11AC40SISO	Ant1	5190	11.67	<=23.98	PASS
		5230	11.99	<=23.98	PASS
		5755	9.86	<=30	PASS
		5795	10.04	<=30	PASS
11AC80SISO	Ant1	5210	10.47	<=23.98	PASS
		5775	8.85	<=30	PASS

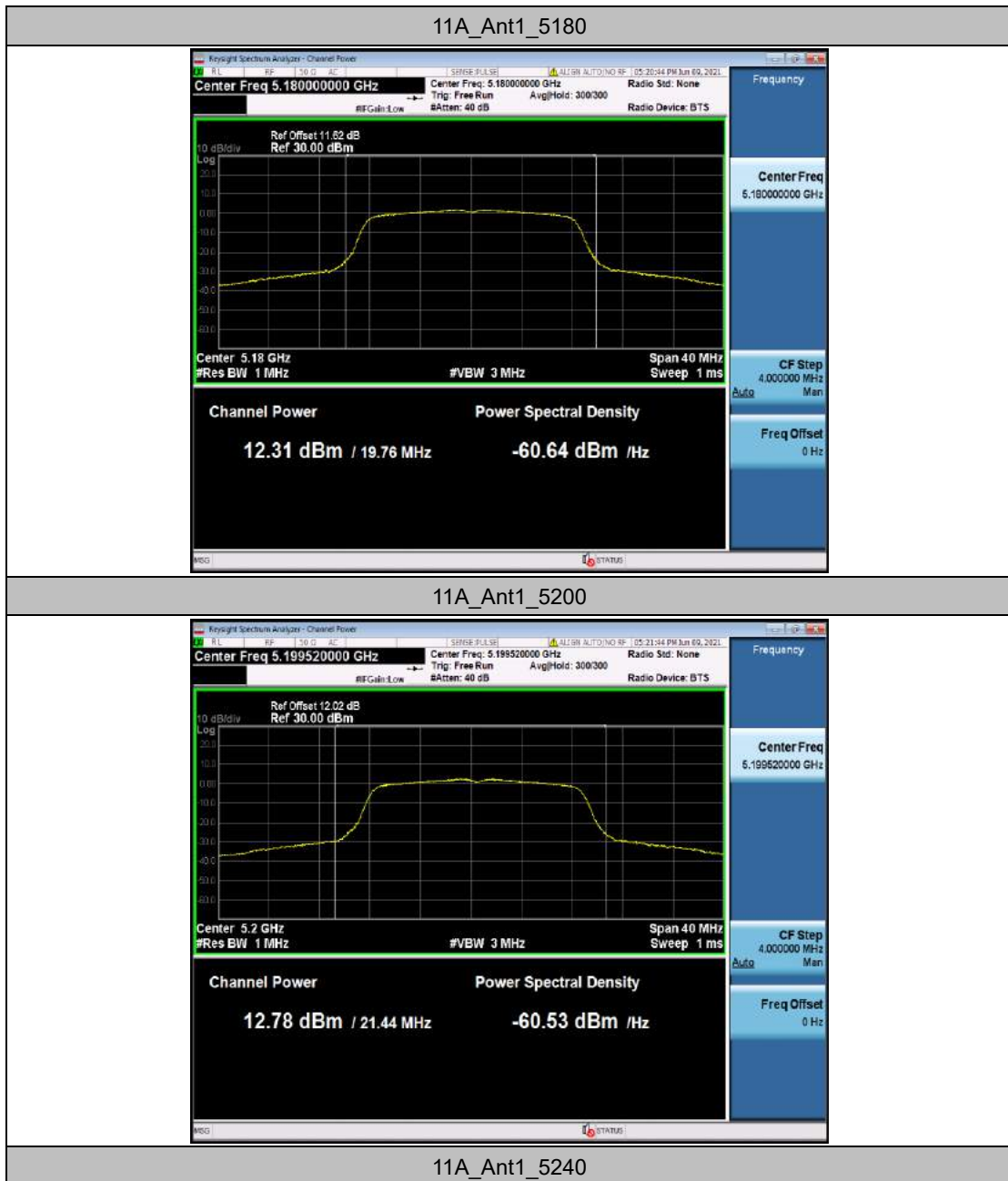
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant2	5180	14.76	<=23.98	PASS
		5200	15.42	<=23.98	PASS
		5240	15.40	<=23.98	PASS
		5745	15.04	<=30	PASS
		5785	15.72	<=30	PASS
		5825	17.77	<=30	PASS
11N20SISO	Ant2	5180	13.64	<=23.98	PASS
		5200	14.33	<=23.98	PASS

		5240	14.43	<=23.98	PASS
		5745	13.88	<=30	PASS
		5785	14.61	<=30	PASS
		5825	16.55	<=30	PASS
11N40SISO	Ant2	5190	13.71	<=23.98	PASS
		5230	13.95	<=23.98	PASS
		5755	13.95	<=30	PASS
		5795	14.42	<=30	PASS
11AC20SISO	Ant2	5180	13.67	<=23.98	PASS
		5200	14.30	<=23.98	PASS
		5240	14.40	<=23.98	PASS
		5745	13.76	<=23.98	PASS
		5785	14.64	<=30	PASS
		5825	16.59	<=30	PASS
11AC40SISO	Ant2	5190	13.72	<=23.98	PASS
		5230	14.02	<=23.98	PASS
		5755	14.00	<=30	PASS
		5795	14.45	<=30	PASS
11AC80SISO	Ant2	5210	14.98	<=23.98	PASS
		5775	12.06	<=30	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11N20	MIMO	5180	18.51	<=23.98	PASS
		5200	16.07	<=23.98	PASS
		5240	19.42	<=23.98	PASS
		5745	15.43	<=30	PASS
		5785	16.04	<=30	PASS
		5825	17.70	<=30	PASS
11N40	MIMO	5190	18.22	<=23.98	PASS
		5230	16.39	<=23.98	PASS
		5755	15.64	<=30	PASS
		5795	16.00	<=30	PASS
11AC20	MIMO	5180	16.05	<=23.98	PASS
		5200	16.56	<=23.98	PASS
		5240	16.83	<=23.98	PASS
		5745	15.43	<=30	PASS
		5785	15.91	<=30	PASS
		5825	17.84	<=30	PASS
11AC40	MIMO	5190	15.83	<=23.98	PASS
		5230	16.13	<=23.98	PASS
		5755	15.42	<=30	PASS
		5795	15.79	<=30	PASS
11AC80	MIMO	5210	16.30	<=23.98	PASS

		5775	13.76	<=30	PASS
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## Test Graphs





11A\_Ant1\_5745



11A\_Ant1\_5785



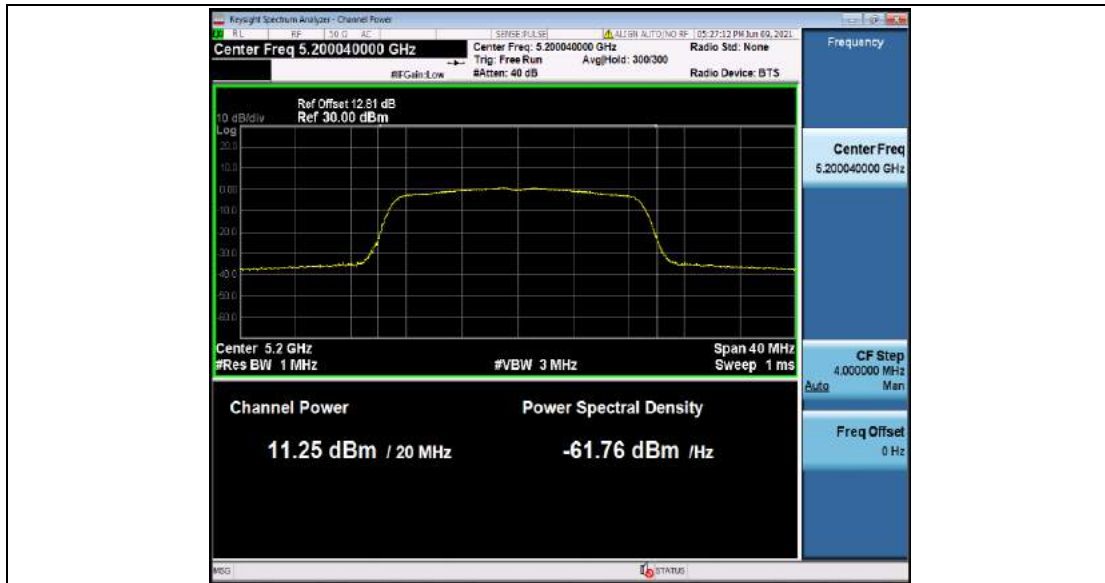
11A\_Ant1\_5825



11N20SISO\_Ant1\_5180



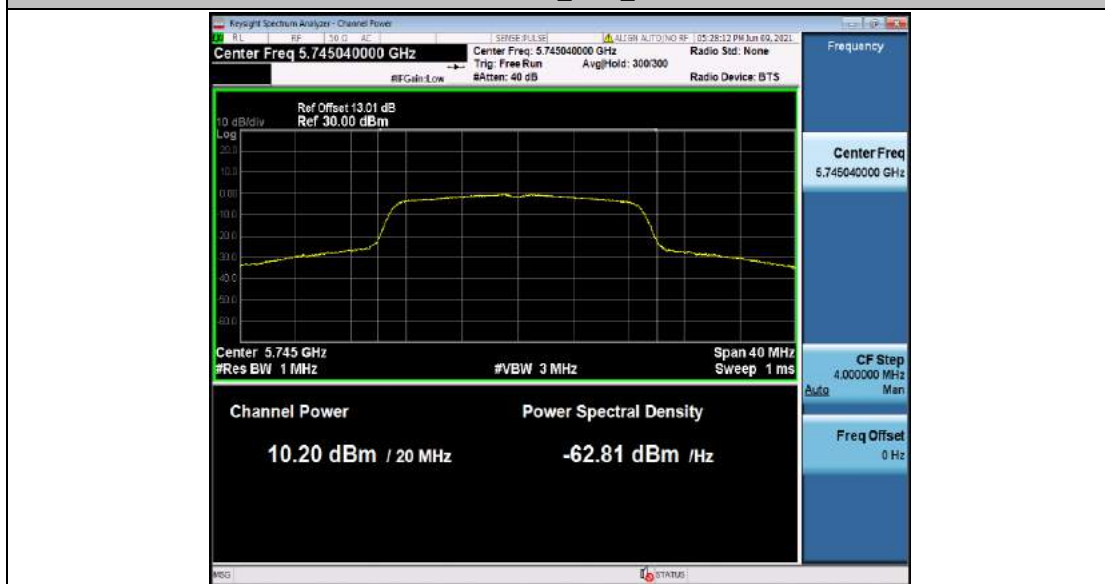
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11N20SISO\_Ant1\_5240



11N20SISO\_Ant1\_5745



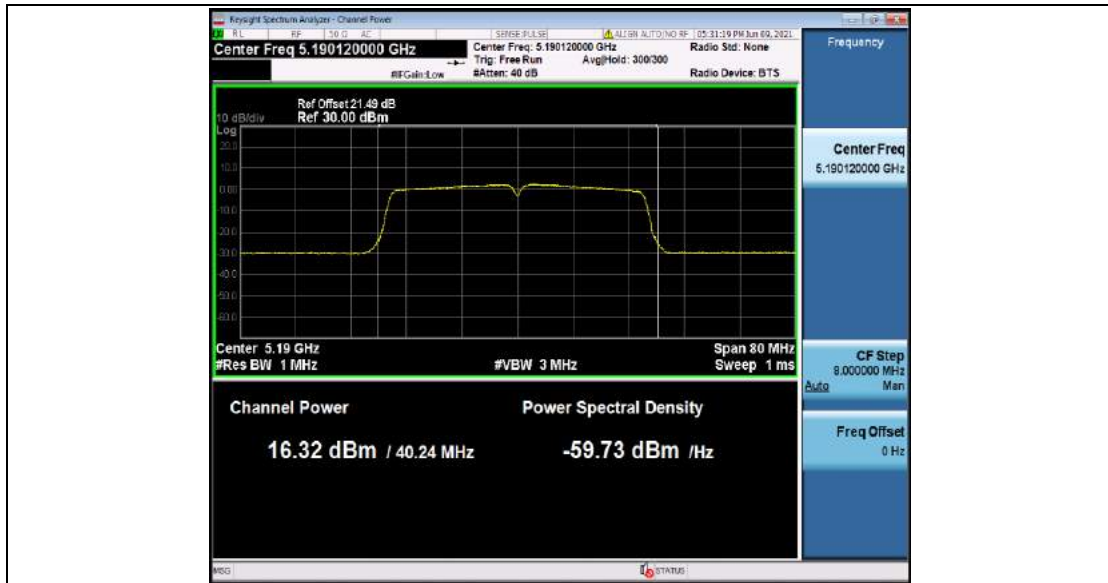
11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5755





11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



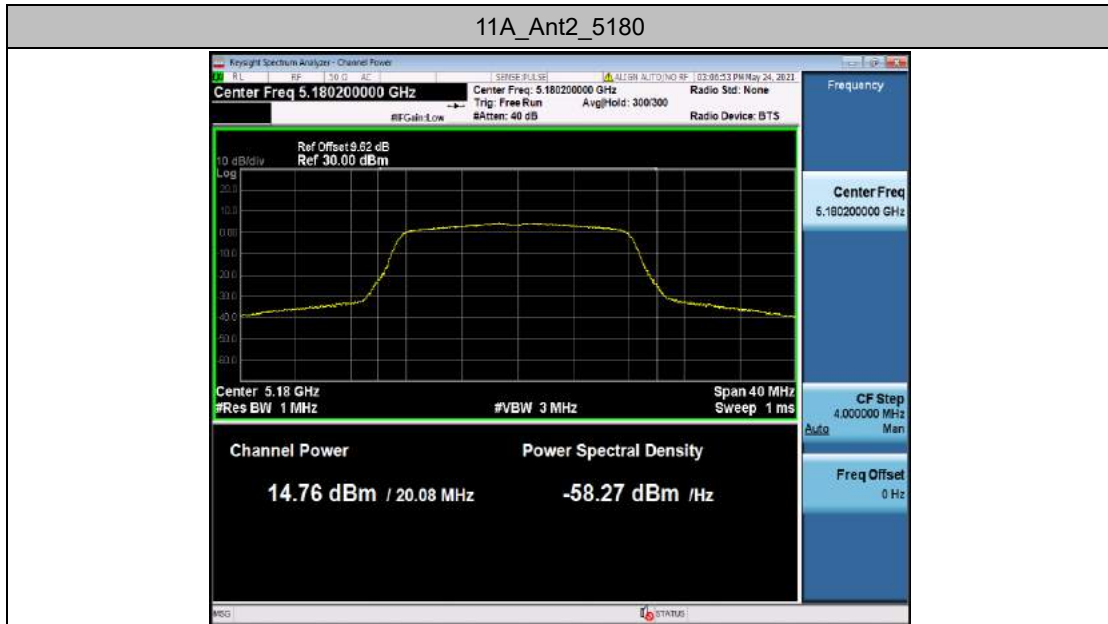
11AC80SISO\_Ant1\_5210



11AC80SISO\_Ant1\_5775



11A\_Ant2\_5180



11A\_Ant2\_5200



11A\_Ant2\_5240



11A\_Ant2\_5745



11A\_Ant2\_5785



11A\_Ant2\_5825



11N20SISO\_Ant2\_5180





11N20SISO\_Ant2\_5200



11N20SISO\_Ant2\_5240



11N20SISO\_Ant2\_5745



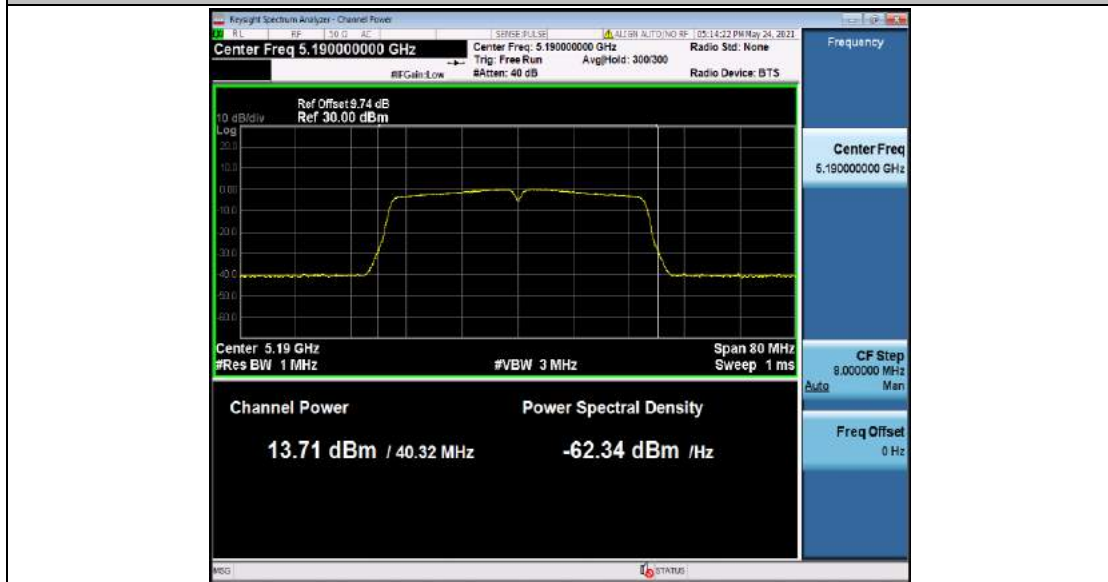
11N20SISO\_Ant2\_5785



11N20SISO\_Ant2\_5825



11N40SISO\_Ant2\_5190



11N40SISO\_Ant2\_5230



11N40SISO\_Ant2\_5755



11N40SISO\_Ant2\_5795



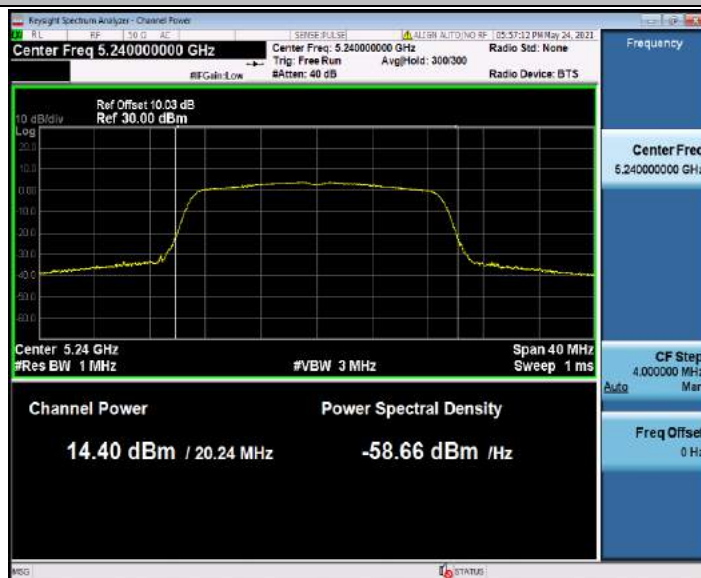
11AC20SISO\_Ant2\_5180



11AC20SISO\_Ant2\_5200



11AC20SISO\_Ant2\_5240



11AC20SISO\_Ant2\_5745



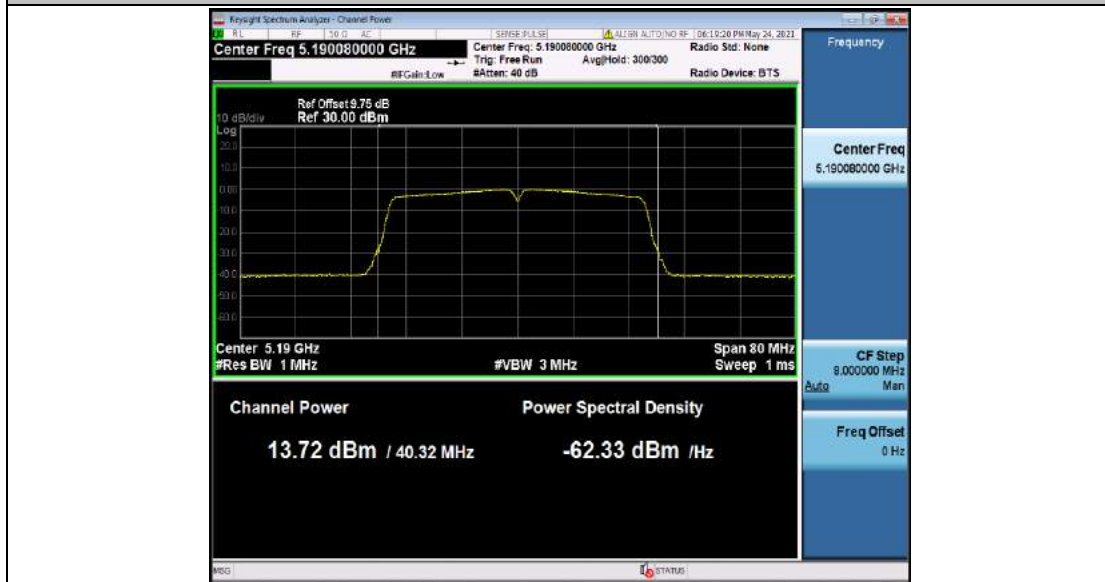
11AC20SISO\_Ant2\_5785



11AC20SISO\_Ant2\_5825



11AC40SISO\_Ant2\_5190



11AC40SISO\_Ant2\_5230



11AC40SISO\_Ant2\_5755



11AC40SISO\_Ant2\_5795



11AC80SISO\_Ant2\_5210





11AC80SISO\_Ant2\_5775



## Appendix C: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result	Limit	Verdict
11A	Ant1	5180	2.1 dBm/MHz	<=11 dBm/MHz	PASS
		5200	2.78 dBm/MHz	<=11 dBm/MHz	PASS
		5240	3.19 dBm/MHz	<=11 dBm/MHz	PASS
		5745	-1.7 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	-1.4 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	-0.5 dBm/500KHz	<=30 dBm/500KHz	PASS
11N20SISO	Ant1	5180	6.43 dBm/MHz	<=11 dBm/MHz	PASS
		5200	0.86 dBm/MHz	<=11 dBm/MHz	PASS
		5240	7.4 dBm/MHz	<=11 dBm/MHz	PASS
		5745	-2.94 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	-2.24 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	-1.69 dBm/500KHz	<=30 dBm/500KHz	PASS
11N40SISO	Ant1	5190	2.81 dBm/MHz	<=11 dBm/MHz	PASS
		5230	-0.99 dBm/MHz	<=11 dBm/MHz	PASS
		5755	-5.94 dBm/500KHz	<=30 dBm/500KHz	PASS
		5795	-5.98 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC20SISO	Ant1	5180	2.01 dBm/MHz	<=11 dBm/MHz	PASS
		5200	2.52 dBm/MHz	<=11 dBm/MHz	PASS
		5240	3 dBm/MHz	<=11 dBm/MHz	PASS
		5745	-2.67 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	-3.46 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	-1.41 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC40SISO	Ant1	5190	-1.66 dBm/MHz	<=11 dBm/MHz	PASS
		5230	-1.57 dBm/MHz	<=11 dBm/MHz	PASS
		5755	-6.26 dBm/500KHz	<=30 dBm/500KHz	PASS
		5795	-6.4 dBm/500KHz	<=30 dBm/500KHz	PASS

				dBm/500KHz	
11AC80SISO	Ant1	5210	-6.83 dBm/MHz	<=11 dBm/MHz	PASS
		5775	-10.66 dBm/500KHz	<=30 dBm/500KHz	PASS

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	4.77 dBm/MHz	<=11 dBm/MHz	PASS
		5200	5.31 dBm/MHz	<=11 dBm/MHz	PASS
		5240	5.45 dBm/MHz	<=11 dBm/MHz	PASS
		5745	2.07 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	2.8 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	4.91 dBm/500KHz	<=30 dBm/500KHz	PASS
11N20SISO	Ant2	5180	3.29 dBm/MHz	<=11 dBm/MHz	PASS
		5200	3.94 dBm/MHz	<=11 dBm/MHz	PASS
		5240	4.14 dBm/MHz	<=11 dBm/MHz	PASS
		5745	0.86 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	1.75 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	2.05 dBm/500KHz	<=30 dBm/500KHz	PASS
11N40SISO	Ant2	5190	0.42 dBm/MHz	<=11 dBm/MHz	PASS
		5230	0.41 dBm/MHz	<=11 dBm/MHz	PASS
		5755	-2.67 dBm/500KHz	<=30 dBm/500KHz	PASS
		5795	-2.27 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC20SISO	Ant2	5180	3.37 dBm/MHz	<=11 dBm/MHz	PASS
		5200	3.93 dBm/MHz	<=11 dBm/MHz	PASS
		5240	4.05 dBm/MHz	<=11 dBm/MHz	PASS
		5745	0.84 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	1.53 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	3.54 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC40SISO	Ant2	5190	0.32 dBm/MHz	<=11 dBm/MHz	PASS
		5230	0.41 dBm/MHz	<=11 dBm/MHz	PASS
		5755	-2.83 dBm/500KHz	<=30 dBm/500KHz	PASS

		5795	-2.39 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC80SISO	Ant2	5210	-1.28 dBm/MHz	<=11 dBm/MHz	PASS
		5775	-5.37 dBm/500KHz	<=30 dBm/500KHz	PASS

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20	MIMO	5180	8.15 dBm/MHz	<=11 dBm/MHz	PASS
		5200	5.68 dBm/MHz	<=11 dBm/MHz	PASS
		5240	9.08 dBm/MHz	<=11 dBm/MHz	PASS
		5745	2.37 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	3.21 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	3.58 dBm/500KHz	<=30 dBm/500KHz	PASS
11N40	MIMO	5190	4.79 dBm/MHz	<=11 dBm/MHz	PASS
		5230	2.78 dBm/MHz	<=11 dBm/MHz	PASS
		5755	-0.99 dBm/500KHz	<=30 dBm/500KHz	PASS
		5795	-0.73 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC20	MIMO	5180	5.75 dBm/MHz	<=11 dBm/MHz	PASS
		5200	6.29 dBm/MHz	<=11 dBm/MHz	PASS
		5240	6.57 dBm/MHz	<=11 dBm/MHz	PASS
		5745	2.44 dBm/500KHz	<=30 dBm/500KHz	PASS
		5785	2.73 dBm/500KHz	<=30 dBm/500KHz	PASS
		5825	4.75 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC40	MIMO	5190	2.45 dBm/MHz	<=11 dBm/MHz	PASS
		5230	2.54 dBm/MHz	<=11 dBm/MHz	PASS
		5755	-1.20 dBm/500KHz	<=30 dBm/500KHz	PASS
		5795	-0.94 dBm/500KHz	<=30 dBm/500KHz	PASS
11AC80	MIMO	5210	-0.21 dBm/MHz	<=11 dBm/MHz	PASS
		5775	-4.24 dBm/500KHz	<=30 dBm/500KHz	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\_5180



11A\_Ant1\_5200



11A\_Ant1\_5240



11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



11N20SISO\_Ant1\_5745





11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



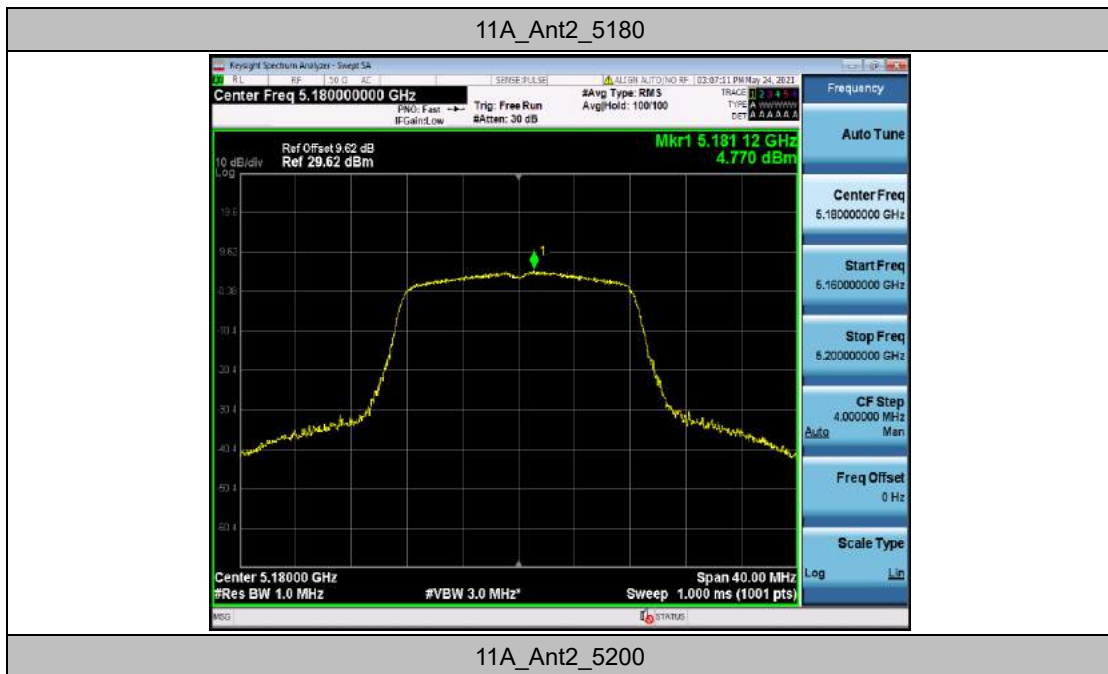
11AC80SISO\_Ant1\_5210



11AC80SISO\_Ant1\_5775



11A\_Ant2\_5180



11A\_Ant2\_5200





11A\_Ant2\_5240



11A\_Ant2\_5745



11A\_Ant2\_5785



11A\_Ant2\_5825



11N20SISO\_Ant2\_5180



11N20SISO\_Ant2\_5200



11N20SISO\_Ant2\_5240



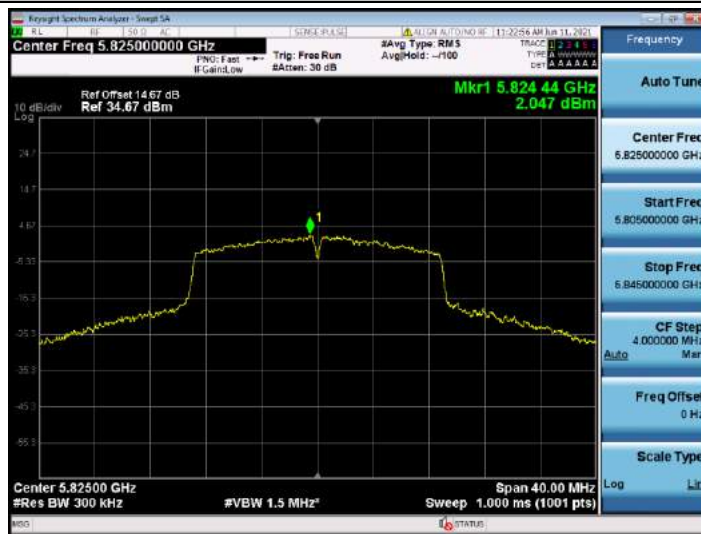
11N20SISO\_Ant2\_5745



11N20SISO\_Ant2\_5785



11N20SISO\_Ant2\_5785



11N40SISO\_Ant2\_5190



11N40SISO\_Ant2\_5230



11N40SISO\_Ant2\_5755



11N40SISO\_Ant2\_5795



11AC20SISO\_Ant2\_5180



11AC20SISO\_Ant2\_5200



11AC20SISO\_Ant2\_5240



11AC20SISO\_Ant2\_5745



11AC20SISO\_Ant2\_5785



11AC20SISO\_Ant2\_5825





11AC40SISO\_Ant2\_5190



11AC40SISO\_Ant2\_5230



11AC40SISO\_Ant2\_5755



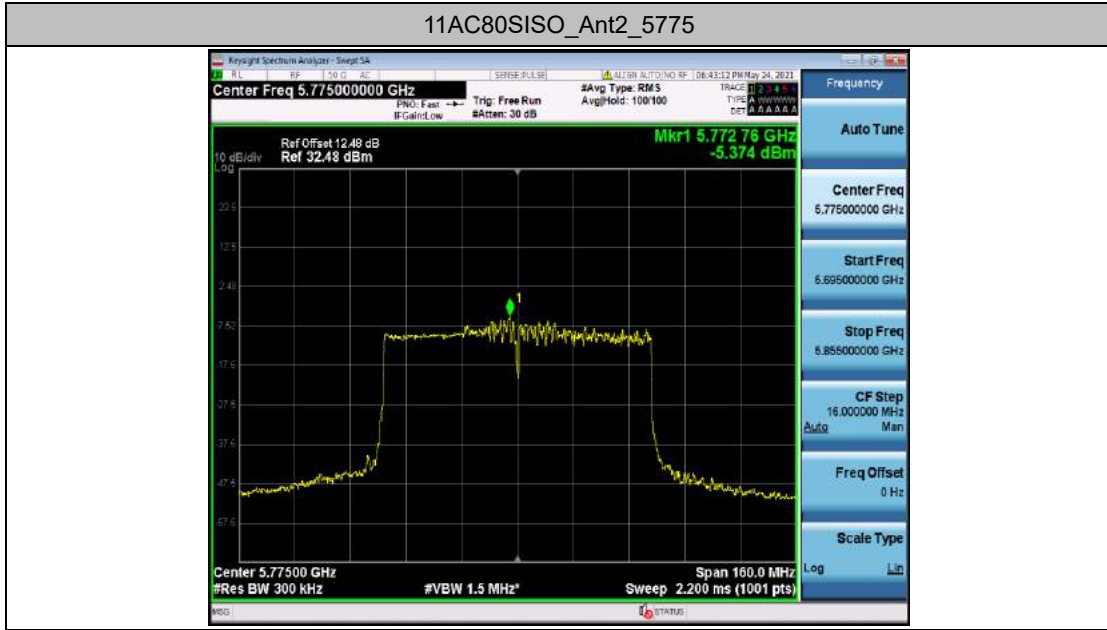
11AC40SISO\_Ant2\_5795



11AC80SISO\_Ant2\_5210



11AC80SISO\_Ant2\_5775



## Appendix D: Frequency Stability

### Test Result

TestMod e	Antenn a	Channe l	Voltage					Limit (ppm)	Verdict
			Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)			
11AC20S ISO	Ant1	5180	NV	NT	-20100	-3.880309	20	PASS	
			LV	NT	-21000	-4.054054	20	PASS	
			HV	NT	-21300	-4.111969	20	PASS	
		5200	NV	NT	28500	5.480769	20	PASS	
			LV	NT	31800	6.115385	20	PASS	
			HV	NT	34500	6.634615	20	PASS	
		5240	NV	NT	-11100	-2.118321	20	PASS	
			LV	NT	-7800	-1.48855	20	PASS	
			HV	NT	-6900	-1.316794	20	PASS	
		5745	NV	NT	-16800	-2.924282	20	PASS	
			LV	NT	-12300	-2.140992	20	PASS	
			HV	NT	-10800	-1.879896	20	PASS	
		5785	NV	NT	-6600	-1.140882	20	PASS	
			LV	NT	-6000	-1.037165	20	PASS	
			HV	NT	-5400	-0.933449	20	PASS	
		5825	NV	NT	-9600	-1.648069	20	PASS	
			LV	NT	-7500	-1.287554	20	PASS	
			HV	NT	-6600	-1.133047	20	PASS	
11AC40S ISO	Ant1	5190	NV	NT	-10500	-2.023121	20	PASS	
			LV	NT	-6600	-1.271676	20	PASS	
			HV	NT	-5700	-1.098266	20	PASS	
		5230	NV	NT	-8700	-1.66348	20	PASS	
			LV	NT	-5400	-1.032505	20	PASS	
			HV	NT	-5100	-0.975143	20	PASS	
		5755	NV	NT	10800	1.876629	20	PASS	
			LV	NT	25500	4.43093	20	PASS	
			HV	NT	29700	5.16073	20	PASS	
5795	NV	NT	66600	11.492666	20	PASS			
	LV	NT	70800	12.217429	20	PASS			
	HV	NT	-19200	-3.313201	20	PASS			
11AC80S ISO	Ant1	5210	NV	NT	3000	0.575816	20	PASS	
			LV	NT	-33300	-6.391555	20	PASS	
			HV	NT	43200	8.291747	20	PASS	
		5775	NV	NT	14400	2.493506	20	PASS	
LV	NT		27600	4.779221	20	PASS			

			HV	NT	31800	5.506494	20	PASS
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Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20S ISO	Ant1	5180	NV	-30	-21300	-4.111969	20	PASS
			NV	-20	-20700	-3.996139	20	PASS
			NV	-10	-20100	-3.880309	20	PASS
			NV	0	-19500	-3.764479	20	PASS
			NV	10	-18600	-3.590734	20	PASS
			NV	20	-17400	-3.359073	20	PASS
			NV	30	-16500	-3.185328	20	PASS
			NV	40	-15600	-3.011583	20	PASS
			NV	50	-14400	-2.779923	20	PASS
		5200	NV	-30	36900	7.096154	20	PASS
			NV	-20	38100	7.326923	20	PASS
			NV	-10	40200	7.730769	20	PASS
			NV	0	41100	7.903846	20	PASS
			NV	10	42000	8.076923	20	PASS
			NV	20	43500	8.365385	20	PASS
			NV	30	44100	8.480769	20	PASS
			NV	40	44700	8.596154	20	PASS
			NV	50	45900	8.826923	20	PASS
		5240	NV	-30	-6900	-1.316794	20	PASS
			NV	-20	-6300	-1.20229	20	PASS
			NV	-10	-6000	-1.145038	20	PASS
			NV	0	-5700	-1.087786	20	PASS
			NV	10	-5700	-1.087786	20	PASS
			NV	20	-5700	-1.087786	20	PASS
			NV	30	-5400	-1.030534	20	PASS
			NV	40	-5100	-0.973282	20	PASS
			NV	50	-5100	-0.973282	20	PASS
		5745	NV	-30	-10200	-1.775457	20	PASS
			NV	-20	-9300	-1.618799	20	PASS
			NV	-10	-8700	-1.51436	20	PASS
			NV	0	-8100	-1.409922	20	PASS
			NV	10	-7800	-1.357702	20	PASS
			NV	20	-7500	-1.305483	20	PASS
			NV	30	-7200	-1.253264	20	PASS
			NV	40	-6900	-1.201044	20	PASS
			NV	50	-6600	-1.148825	20	PASS
		5785	NV	-30	-5400	-0.933449	20	PASS
			NV	-20	-5100	-0.88159	20	PASS

			NV	-10	-4800	-0.829732	20	PASS			
			NV	0	-4800	-0.829732	20	PASS			
			NV	10	-4200	-0.726016	20	PASS			
			NV	20	-4200	-0.726016	20	PASS			
			NV	30	-4200	-0.726016	20	PASS			
			NV	40	-4500	-0.777874	20	PASS			
			NV	50	-4500	-0.777874	20	PASS			
		5825	NV	-30	-5700	-0.978541	20	PASS			
			NV	-20	-5100	-0.875536	20	PASS			
			NV	-10	-5100	-0.875536	20	PASS			
			NV	0	-4800	-0.824034	20	PASS			
			NV	10	-4500	-0.772532	20	PASS			
			NV	20	-4200	-0.72103	20	PASS			
			NV	30	-3900	-0.669528	20	PASS			
			NV	40	-3600	-0.618026	20	PASS			
			NV	50	-3600	-0.618026	20	PASS			
			11AC40S ISO	Ant1	5190	NV	-30	-5100	-0.982659	20	PASS
						NV	-20	-4800	-0.924855	20	PASS
NV	-10	-4500				-0.867052	20	PASS			
NV	0	-4200				-0.809249	20	PASS			
NV	10	-3600				-0.693642	20	PASS			
NV	20	-3300				-0.635838	20	PASS			
NV	30	-3300				-0.635838	20	PASS			
NV	40	-2700				-0.520231	20	PASS			
NV	50	-2700				-0.520231	20	PASS			
5230	NV	-30			-4800	-0.917782	20	PASS			
	NV	-20			-4500	-0.860421	20	PASS			
	NV	-10			-4200	-0.803059	20	PASS			
	NV	0			-4200	-0.803059	20	PASS			
	NV	10			-4200	-0.803059	20	PASS			
	NV	20			-3900	-0.745698	20	PASS			
	NV	30	-3900	-0.745698	20	PASS					
	NV	40	-3900	-0.745698	20	PASS					
5755	NV	50	-3900	-0.745698	20	PASS					
	NV	-30	33000	5.734144	20	PASS					
	NV	-20	33900	5.89053	20	PASS					
	NV	-10	35400	6.151173	20	PASS					
	NV	0	36900	6.411816	20	PASS					
	NV	10	37800	6.568202	20	PASS					
	NV	20	38700	6.724587	20	PASS					
	NV	30	39000	6.776716	20	PASS					
	NV	40	39900	6.933102	20	PASS					
NV	50	40200	6.98523	20	PASS						

		5795	NV	-30	-36900	-6.367558	20	PASS
			NV	-20	111600	19.257981	20	PASS
			NV	-10	21000	3.623814	20	PASS
			NV	0	24600	4.245039	20	PASS
			NV	10	27300	4.710958	20	PASS
			NV	20	30300	5.228645	20	PASS
			NV	30	31500	5.43572	20	PASS
			NV	40	33000	5.694564	20	PASS
			NV	50	34800	6.005177	20	PASS
11AC80S ISO	Ant1	5210	NV	-30	26000	4.990403	20	PASS
			NV	-20	20700	3.973129	20	PASS
			NV	-10	-46800	-8.982726	20	PASS
			NV	0	-48800	-9.366603	20	PASS
			NV	10	-53500	-10.268714	20	PASS
			NV	20	-55200	-10.595009	20	PASS
			NV	30	-68100	-13.071017	20	PASS
			NV	40	-101100	-19.40499	20	PASS
			NV	50	-82800	-15.892514	20	PASS
		5775	NV	-30	33600	5.818182	20	PASS
			NV	-20	36300	6.285714	20	PASS
			NV	-10	36900	6.38961	20	PASS
			NV	0	37200	6.441558	20	PASS
			NV	10	38100	6.597403	20	PASS
			NV	20	39000	6.753247	20	PASS
			NV	30	39900	6.909091	20	PASS
			NV	40	40500	7.012987	20	PASS
			NV	50	41100	7.116883	20	PASS