

## 9 Appendix

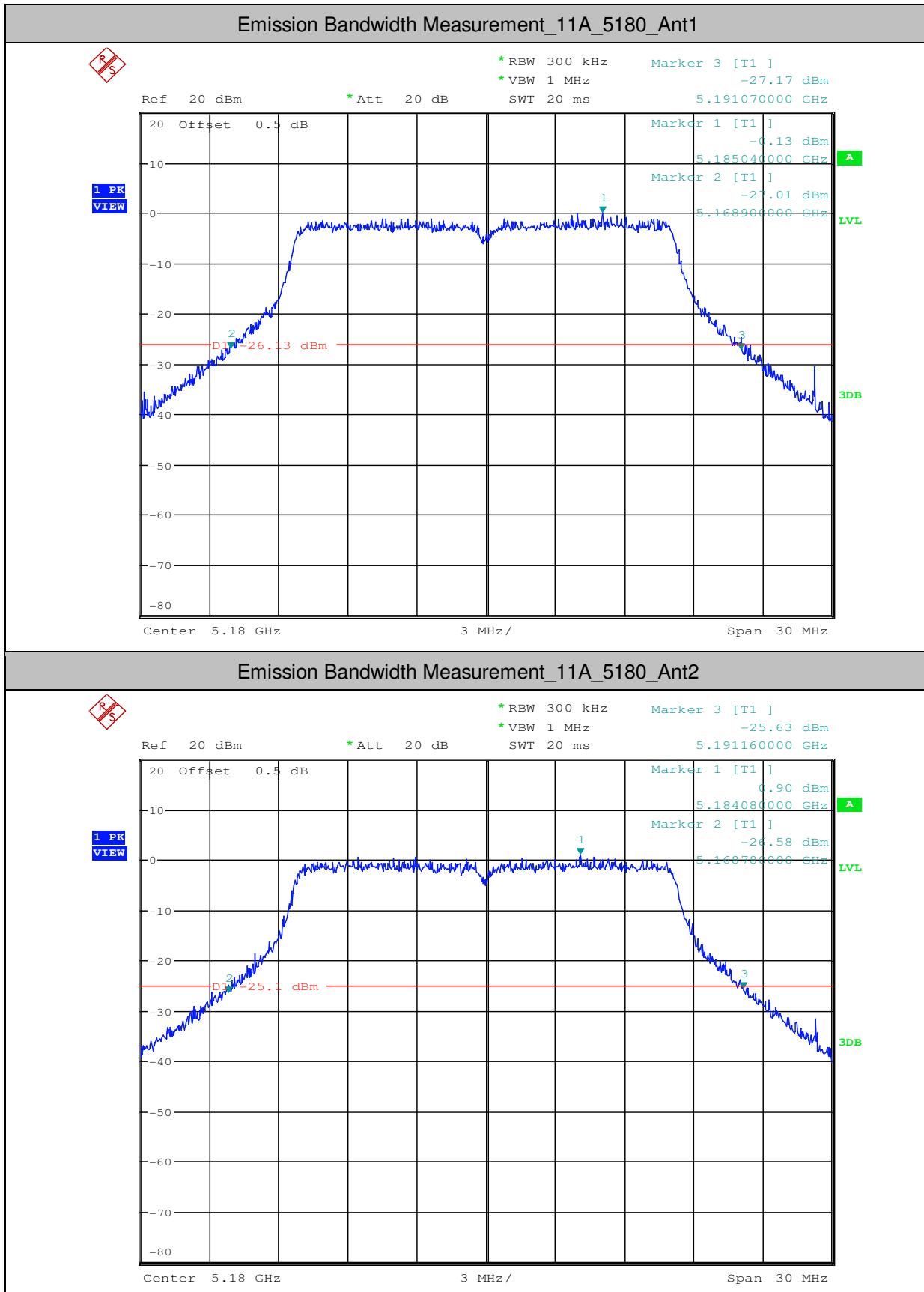
### Appendix 15.407

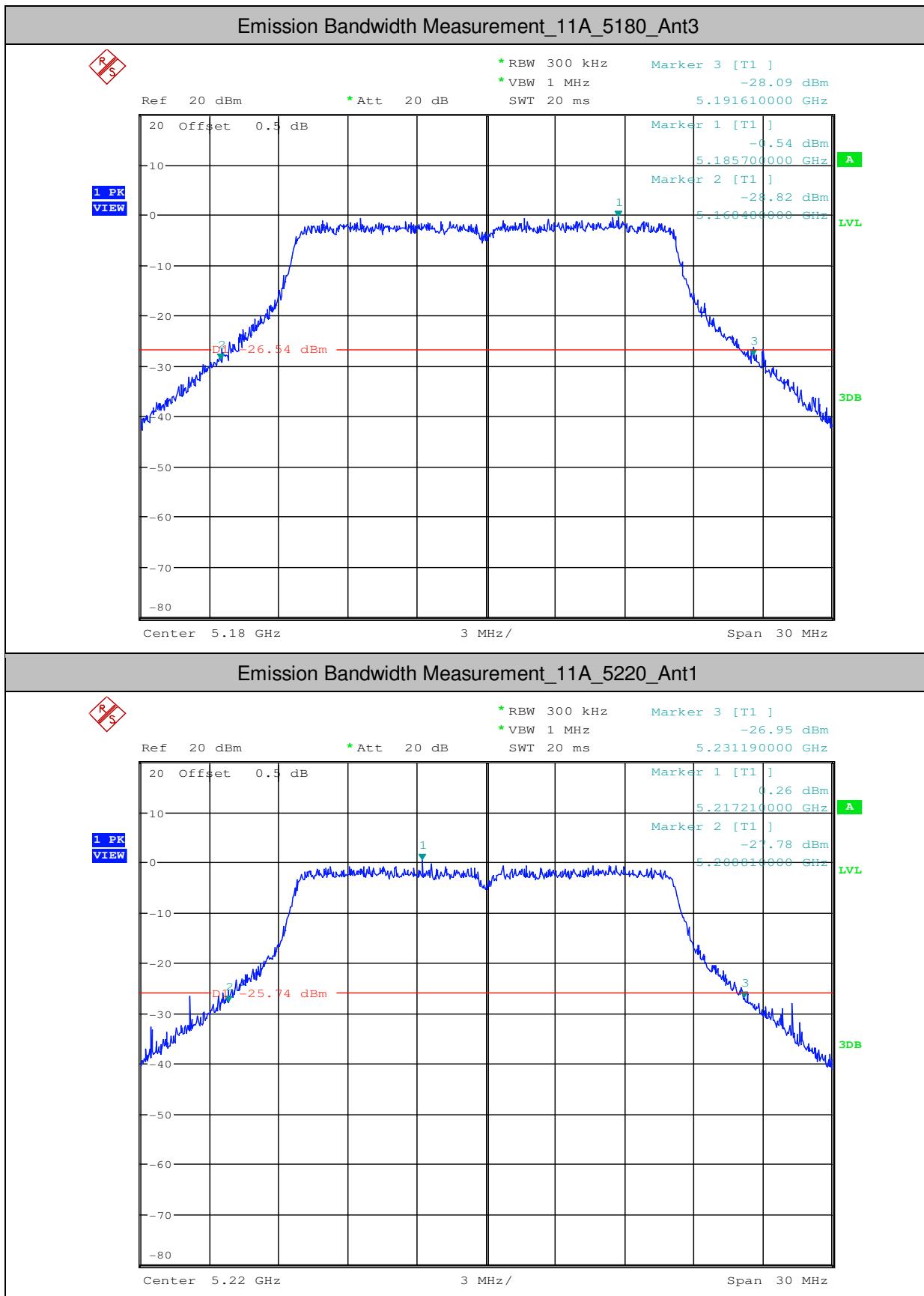
#### 1. Emission Bandwidth Measurement

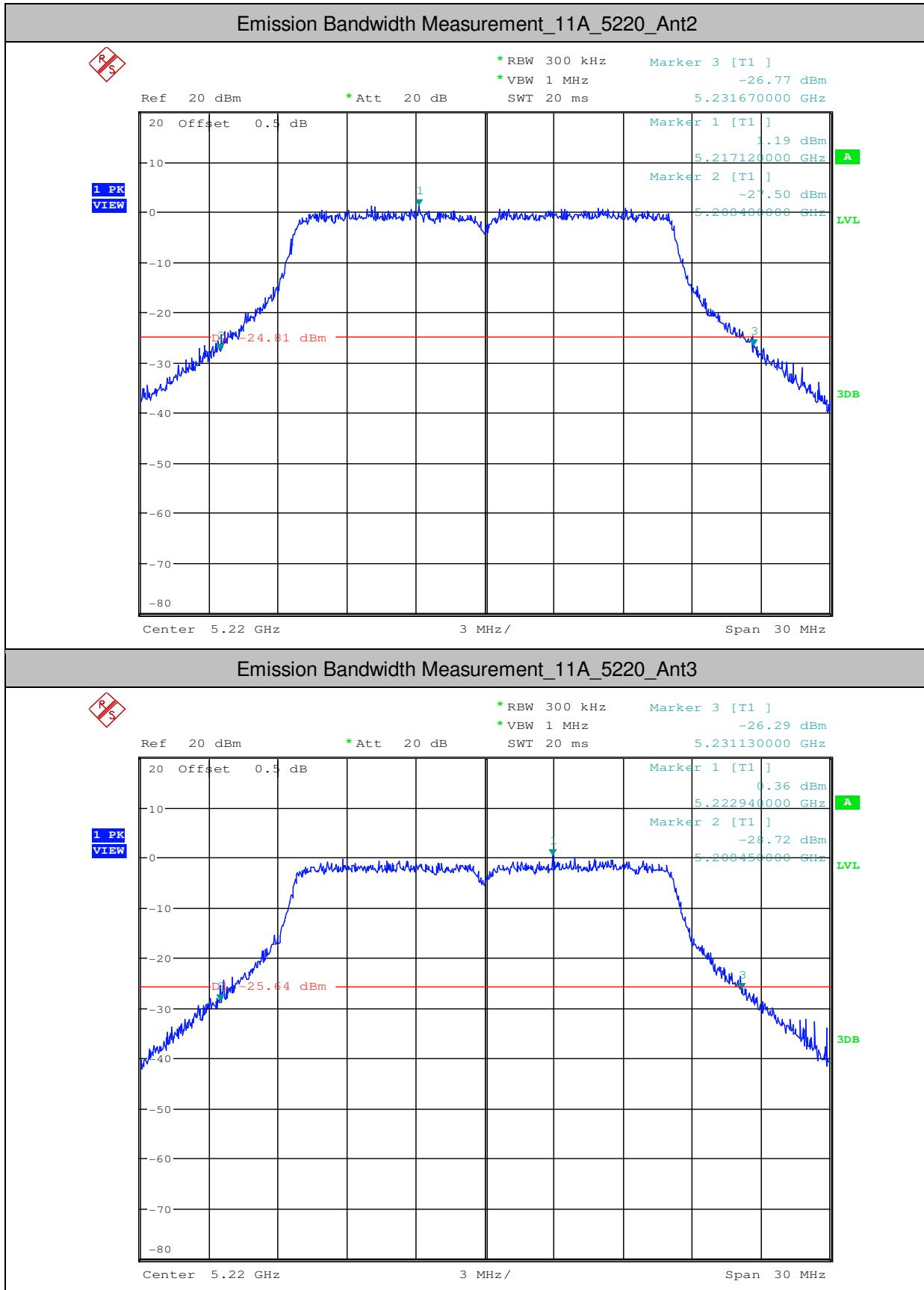
Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	22.170	---	PASS
11A	5180	Ant2	22.380	---	PASS
11A	5180	Ant3	23.130	---	PASS
11A	5220	Ant1	22.380	---	PASS
11A	5220	Ant2	23.190	---	PASS
11A	5220	Ant3	22.680	---	PASS
11A	5240	Ant1	22.140	---	PASS
11A	5240	Ant2	22.320	---	PASS
11A	5240	Ant3	22.560	---	PASS
11A	5745	Ant1	16.590	>=0.5	PASS
11A	5745	Ant2	16.530	>=0.5	PASS
11A	5745	Ant3	16.590	>=0.5	PASS
11A	5785	Ant1	16.560	>=0.5	PASS
11A	5785	Ant2	16.560	>=0.5	PASS
11A	5785	Ant3	16.530	>=0.5	PASS
11A	5825	Ant1	16.590	>=0.5	PASS
11A	5825	Ant2	16.560	>=0.5	PASS
11A	5825	Ant3	16.590	>=0.5	PASS
11N20	5180	Ant1	25.500	---	PASS
11N20	5180	Ant2	23.400	---	PASS
11N20	5180	Ant3	23.220	---	PASS
11N20	5220	Ant1	23.730	---	PASS
11N20	5220	Ant2	23.730	---	PASS
11N20	5220	Ant3	23.100	---	PASS
11N20	5240	Ant1	23.130	---	PASS
11N20	5240	Ant2	23.610	---	PASS
11N20	5240	Ant3	23.550	---	PASS
11N20	5745	Ant1	17.790	>=0.5	PASS

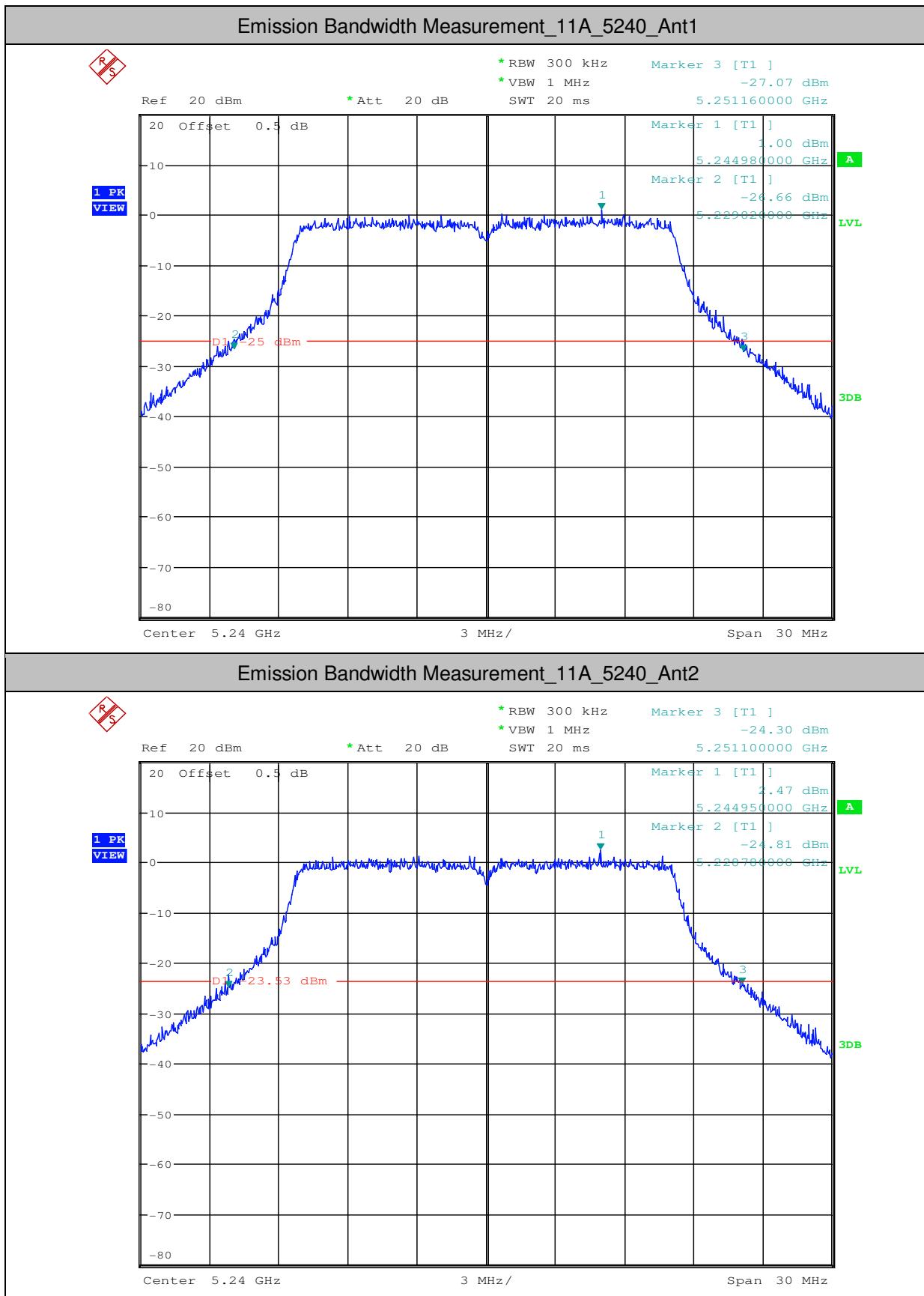
11N20	5745	Ant2	17.820	>=0.5	PASS
11N20	5745	Ant3	17.790	>=0.5	PASS
11N20	5785	Ant1	17.850	>=0.5	PASS
11N20	5785	Ant2	17.790	>=0.5	PASS
11N20	5785	Ant3	17.790	>=0.5	PASS
11N20	5825	Ant1	17.790	>=0.5	PASS
11N20	5825	Ant2	17.760	>=0.5	PASS
11N20	5825	Ant3	17.790	>=0.5	PASS
11N40	5190	Ant1	44.400	---	PASS
11N40	5190	Ant2	44.640	---	PASS
11N40	5190	Ant3	44.160	---	PASS
11N40	5230	Ant1	44.520	---	PASS
11N40	5230	Ant2	44.940	---	PASS
11N40	5230	Ant3	44.340	---	PASS
11N40	5755	Ant1	36.600	>=0.5	PASS
11N40	5755	Ant2	36.600	>=0.5	PASS
11N40	5755	Ant3	36.600	>=0.5	PASS
11N40	5795	Ant1	36.660	>=0.5	PASS
11N40	5795	Ant2	36.600	>=0.5	PASS
11N40	5795	Ant3	36.600	>=0.5	PASS
11AC20	5180	Ant1	23.430	---	PASS
11AC20	5180	Ant2	24.150	---	PASS
11AC20	5180	Ant3	22.890	---	PASS
11AC20	5220	Ant1	23.490	---	PASS
11AC20	5220	Ant2	23.970	---	PASS
11AC20	5220	Ant3	23.400	---	PASS
11AC20	5240	Ant1	23.550	---	PASS
11AC20	5240	Ant2	23.640	---	PASS
11AC20	5240	Ant3	23.100	---	PASS
11AC20	5745	Ant1	17.760	>=0.5	PASS
11AC20	5745	Ant2	17.820	>=0.5	PASS
11AC20	5745	Ant3	17.790	>=0.5	PASS
11AC20	5785	Ant1	17.790	>=0.5	PASS
11AC20	5785	Ant2	17.790	>=0.5	PASS

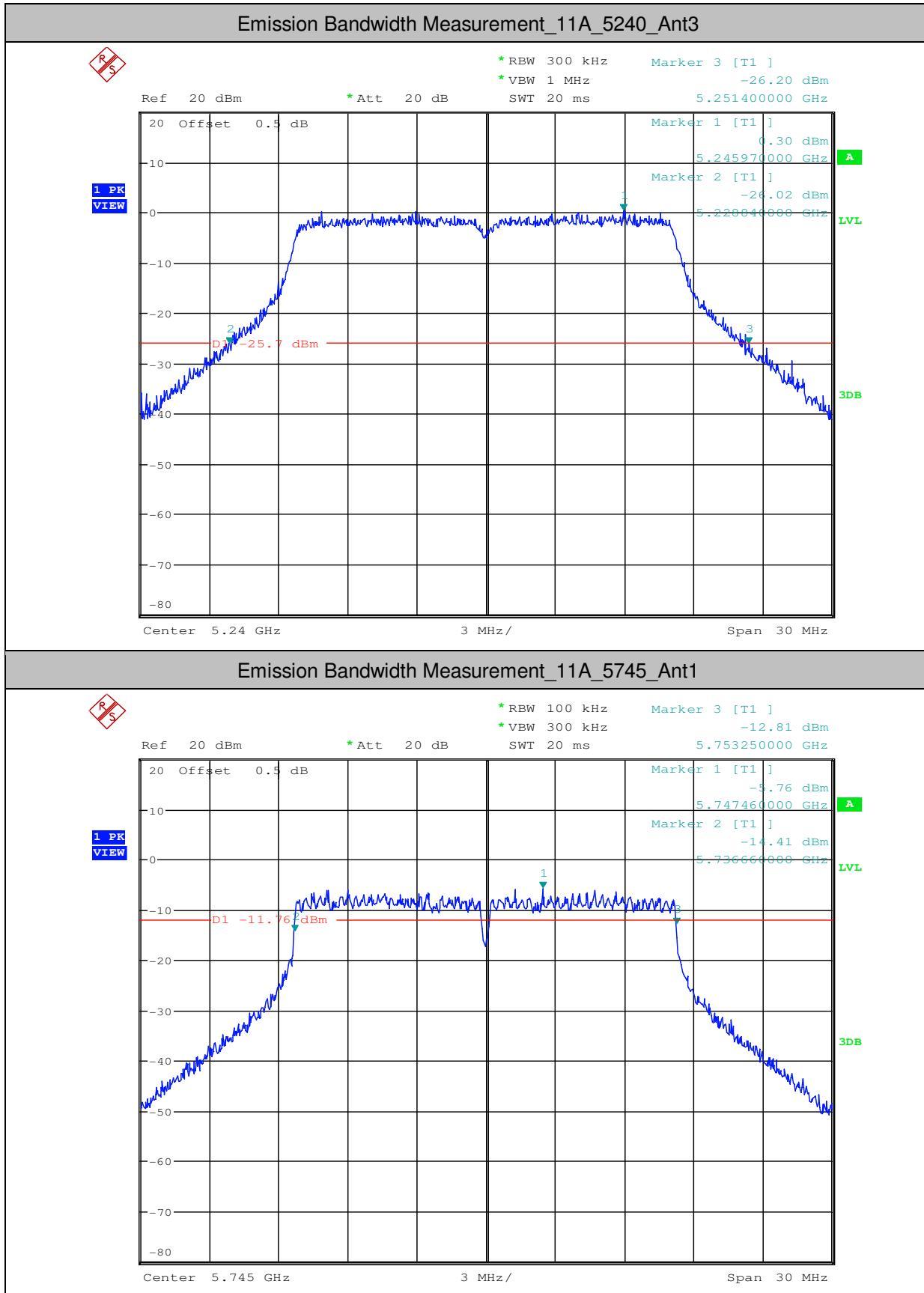
11AC20	5785	Ant3	17.820	>=0.5	PASS
11AC20	5825	Ant1	17.820	>=0.5	PASS
11AC20	5825	Ant2	17.850	>=0.5	PASS
11AC20	5825	Ant3	17.820	>=0.5	PASS
11AC40	5190	Ant1	45.000	---	PASS
11AC40	5190	Ant2	44.580	---	PASS
11AC40	5190	Ant3	44.700	---	PASS
11AC40	5230	Ant1	44.940	---	PASS
11AC40	5230	Ant2	45.360	---	PASS
11AC40	5230	Ant3	44.580	---	PASS
11AC40	5755	Ant1	36.600	>=0.5	PASS
11AC40	5755	Ant2	36.660	>=0.5	PASS
11AC40	5755	Ant3	36.600	>=0.5	PASS
11AC40	5795	Ant1	36.600	>=0.5	PASS
11AC40	5795	Ant2	36.660	>=0.5	PASS
11AC40	5795	Ant3	36.600	>=0.5	PASS
11AC80	5210	Ant1	87.960	---	PASS
11AC80	5210	Ant2	91.200	---	PASS
11AC80	5210	Ant3	89.520	---	PASS
11AC80	5775	Ant1	76.680	>=0.5	PASS
11AC80	5775	Ant2	76.680	>=0.5	PASS
11AC80	5775	Ant3	76.800	>=0.5	PASS

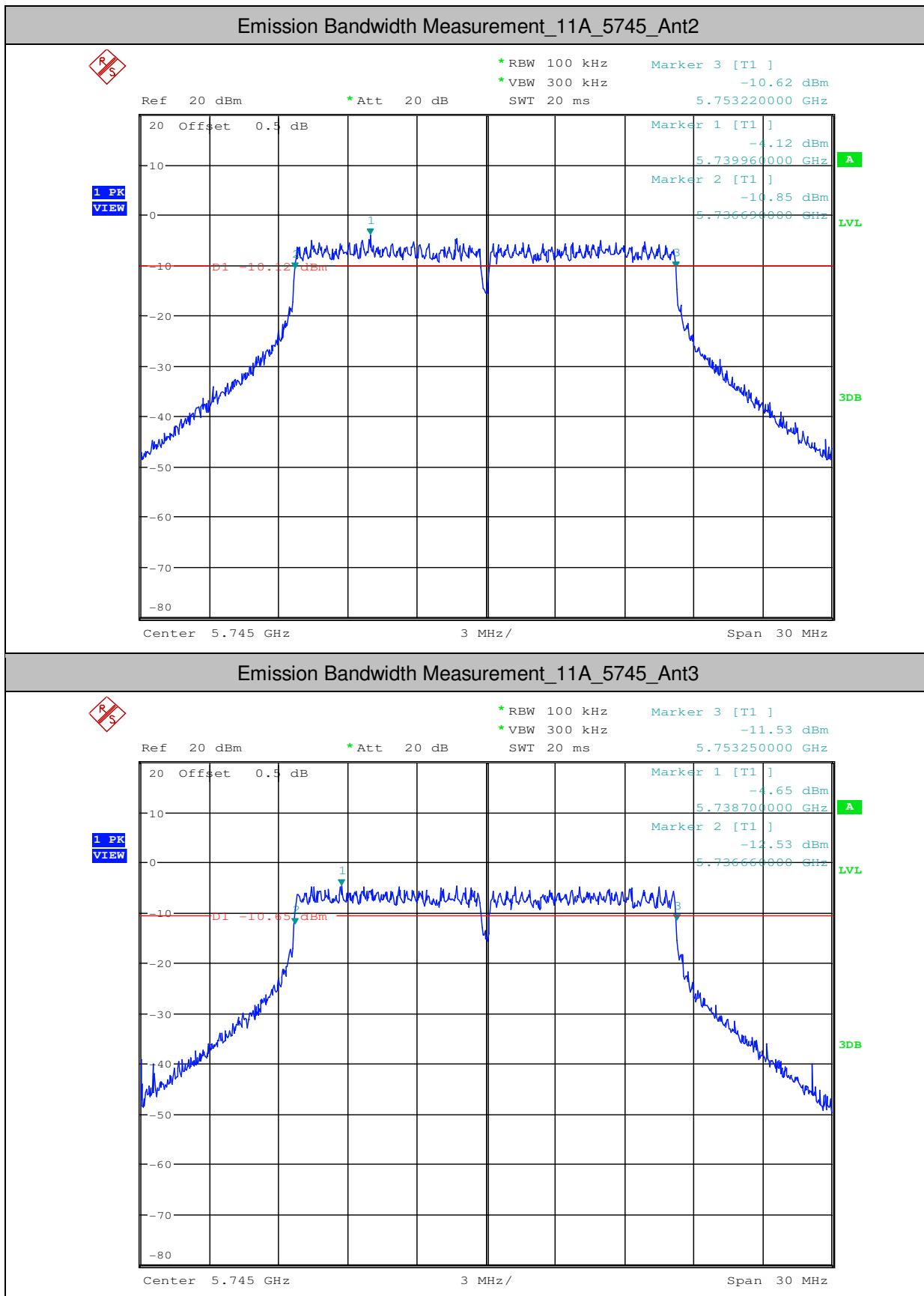


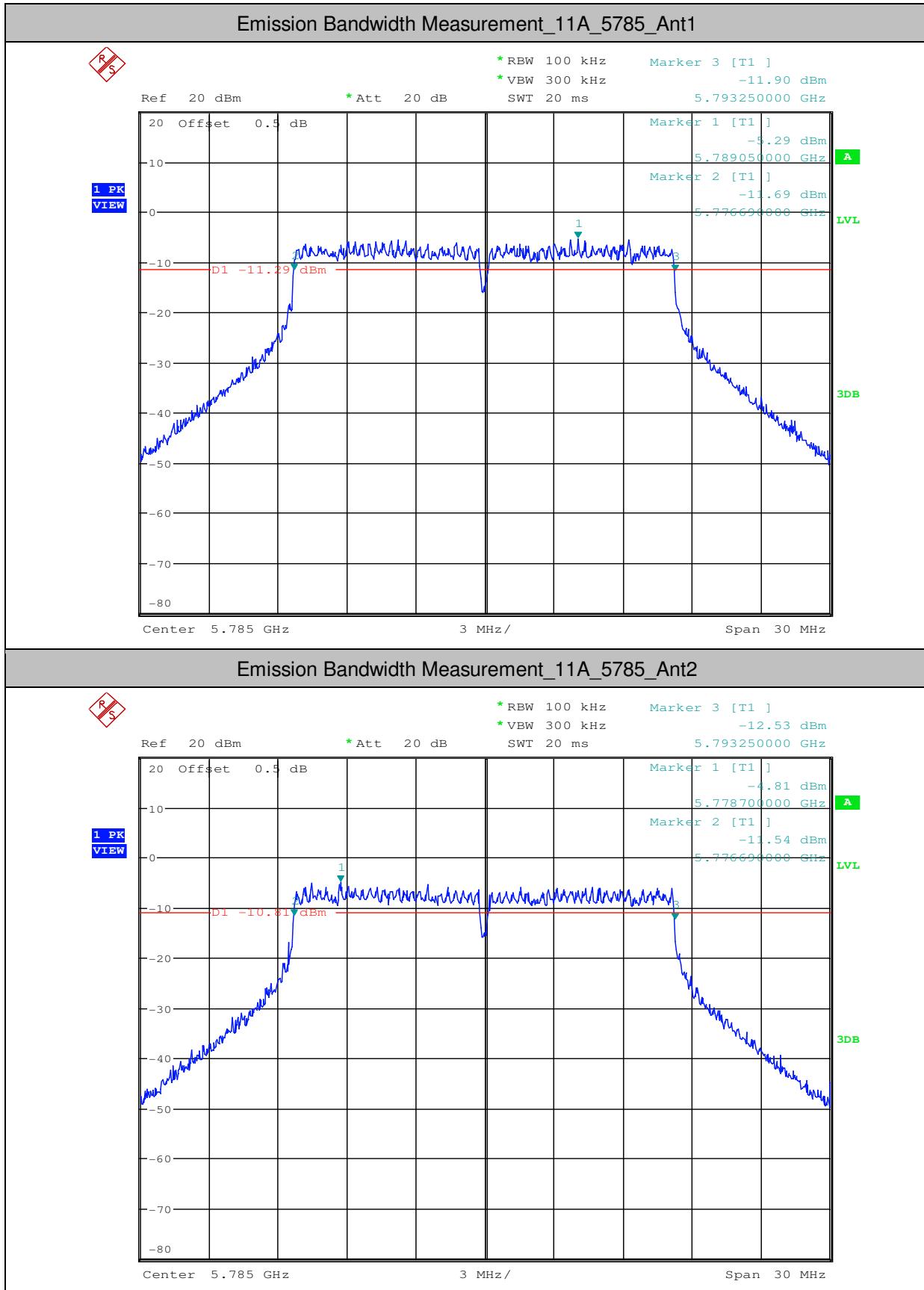


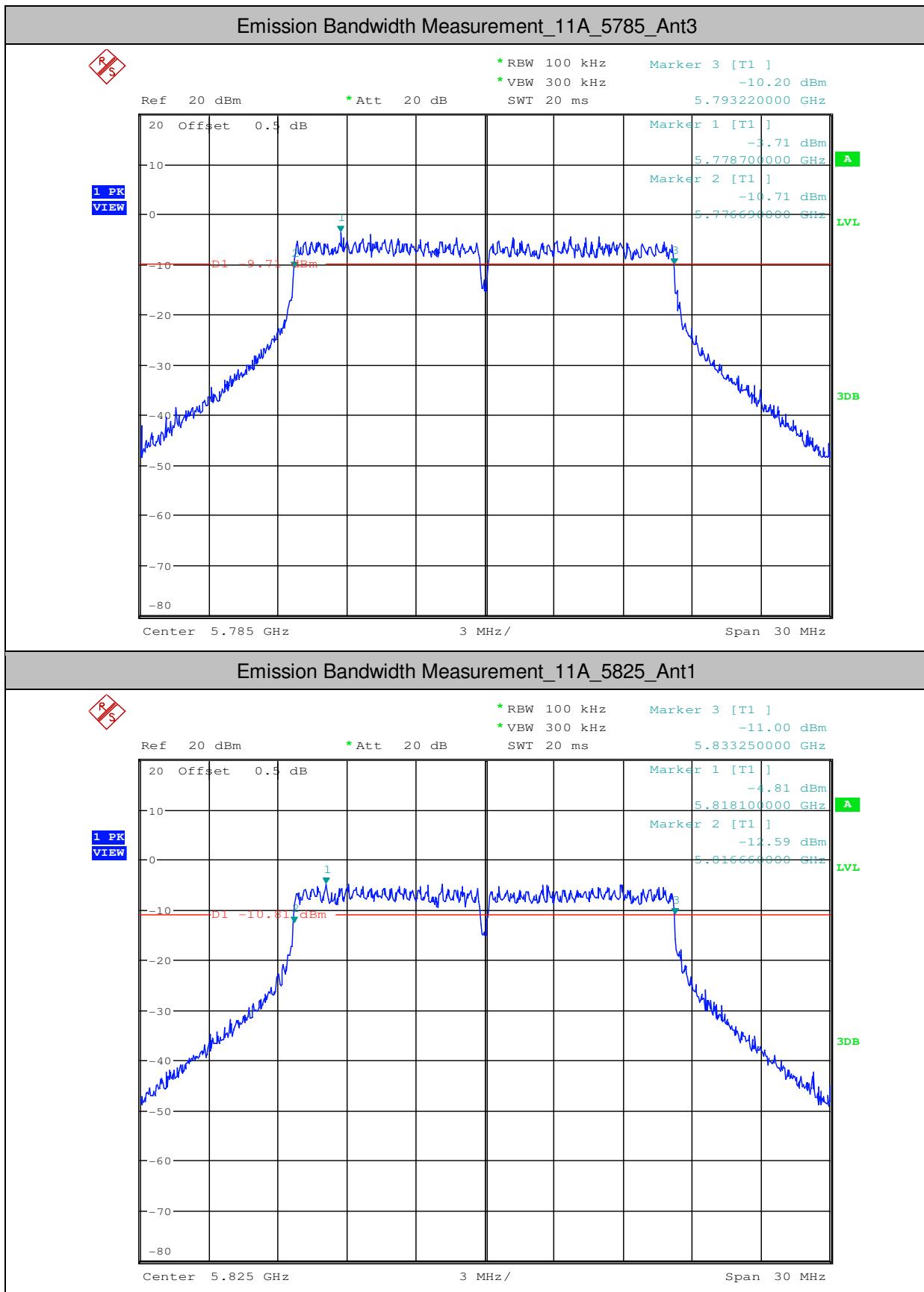


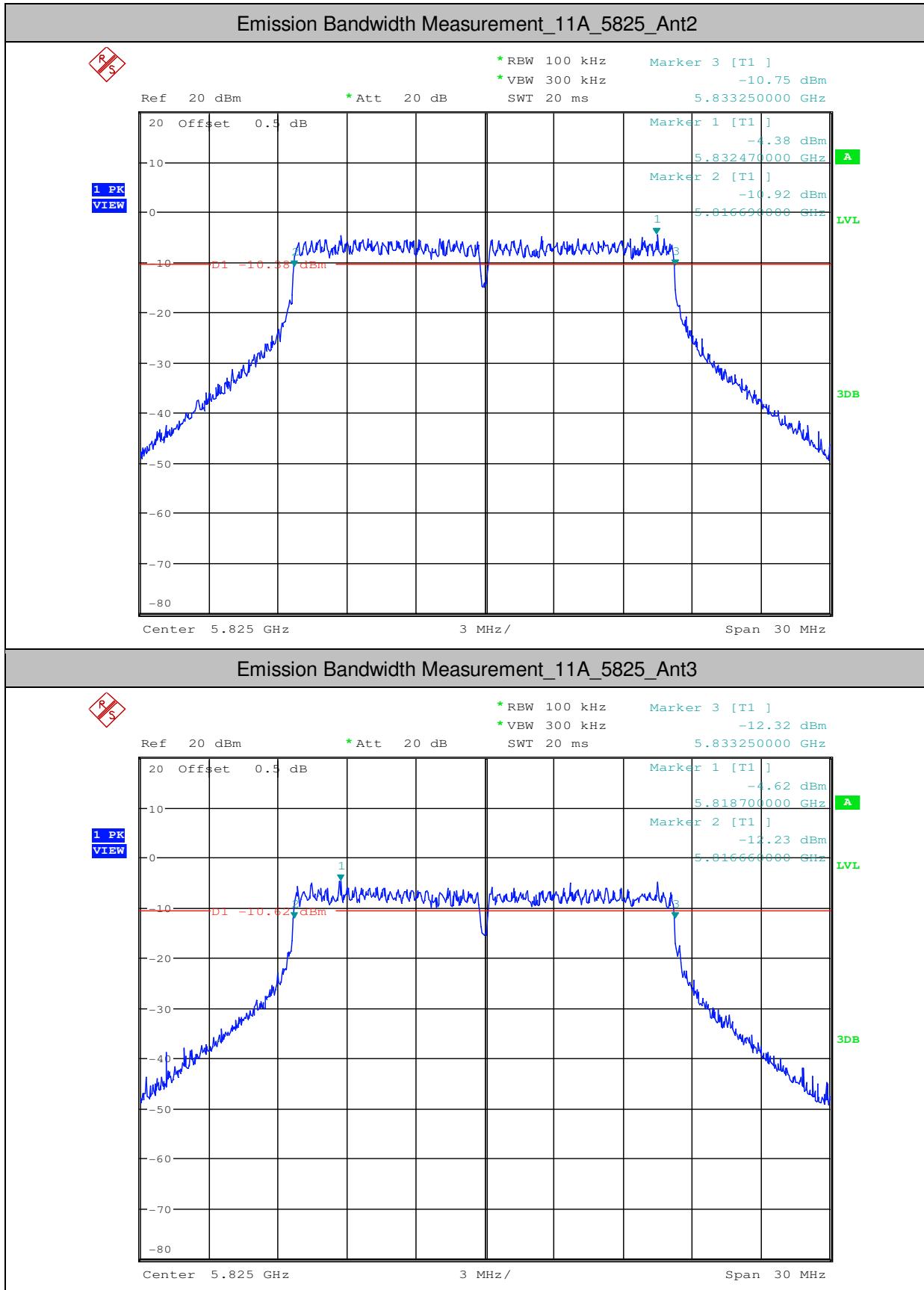


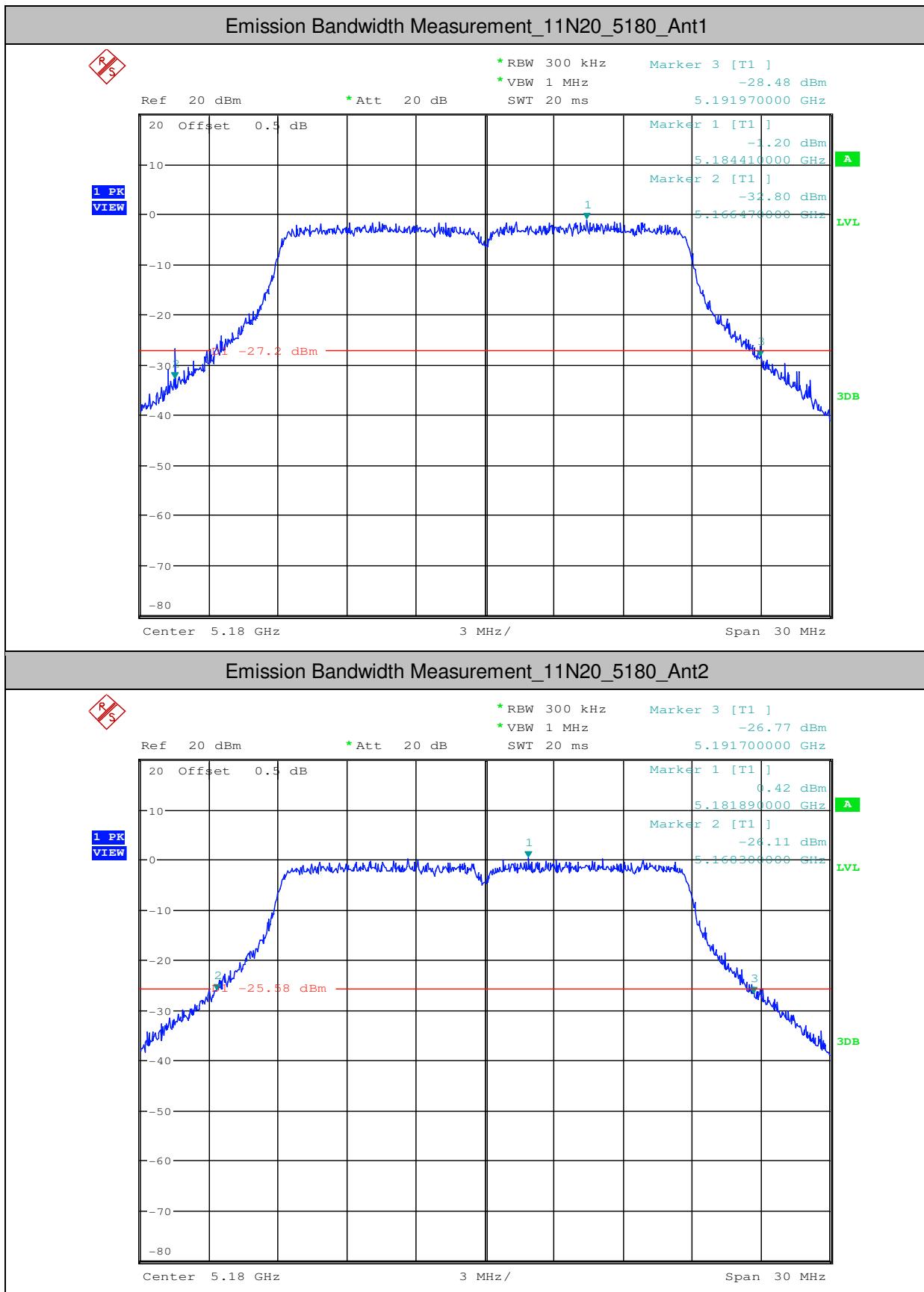


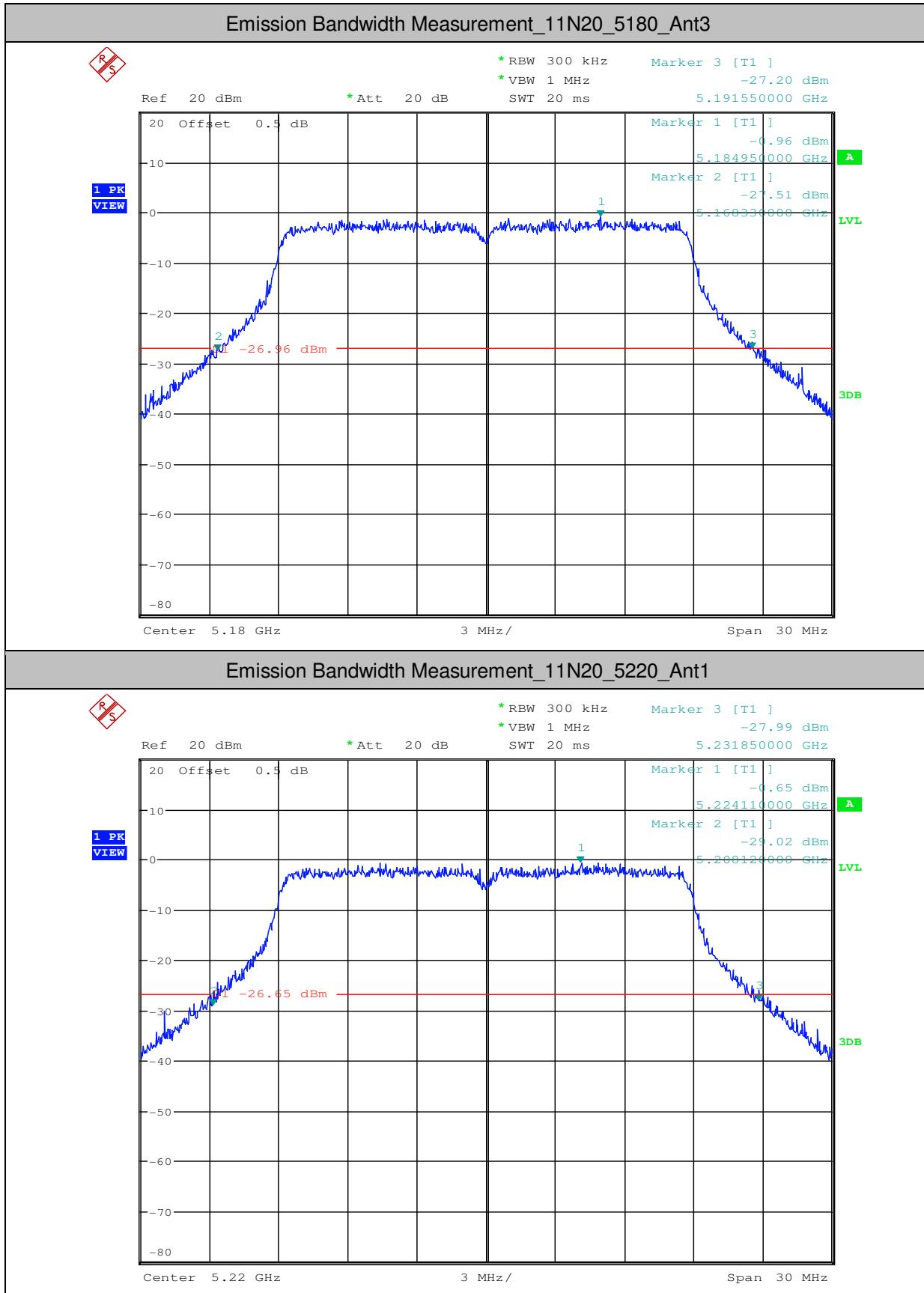


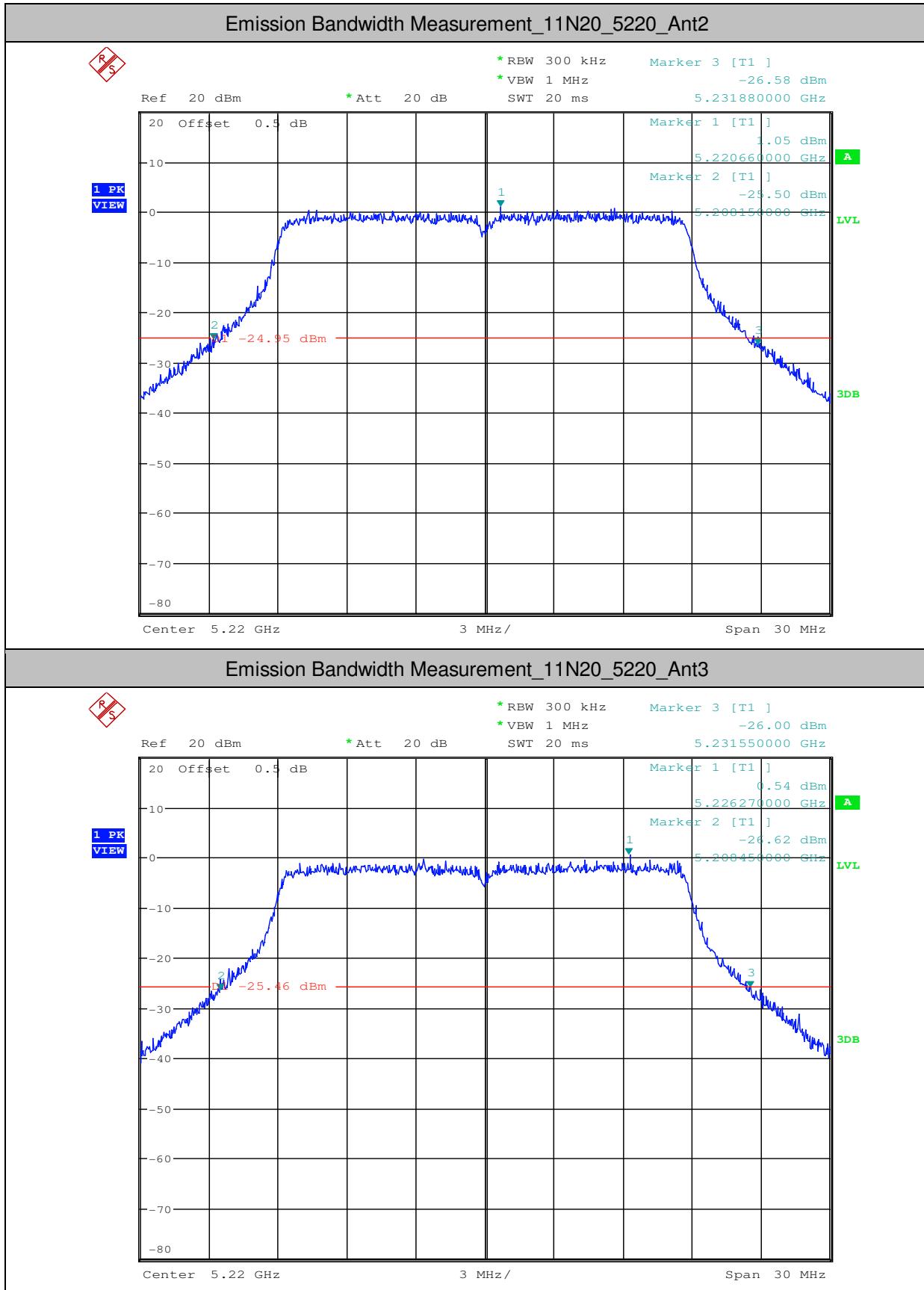


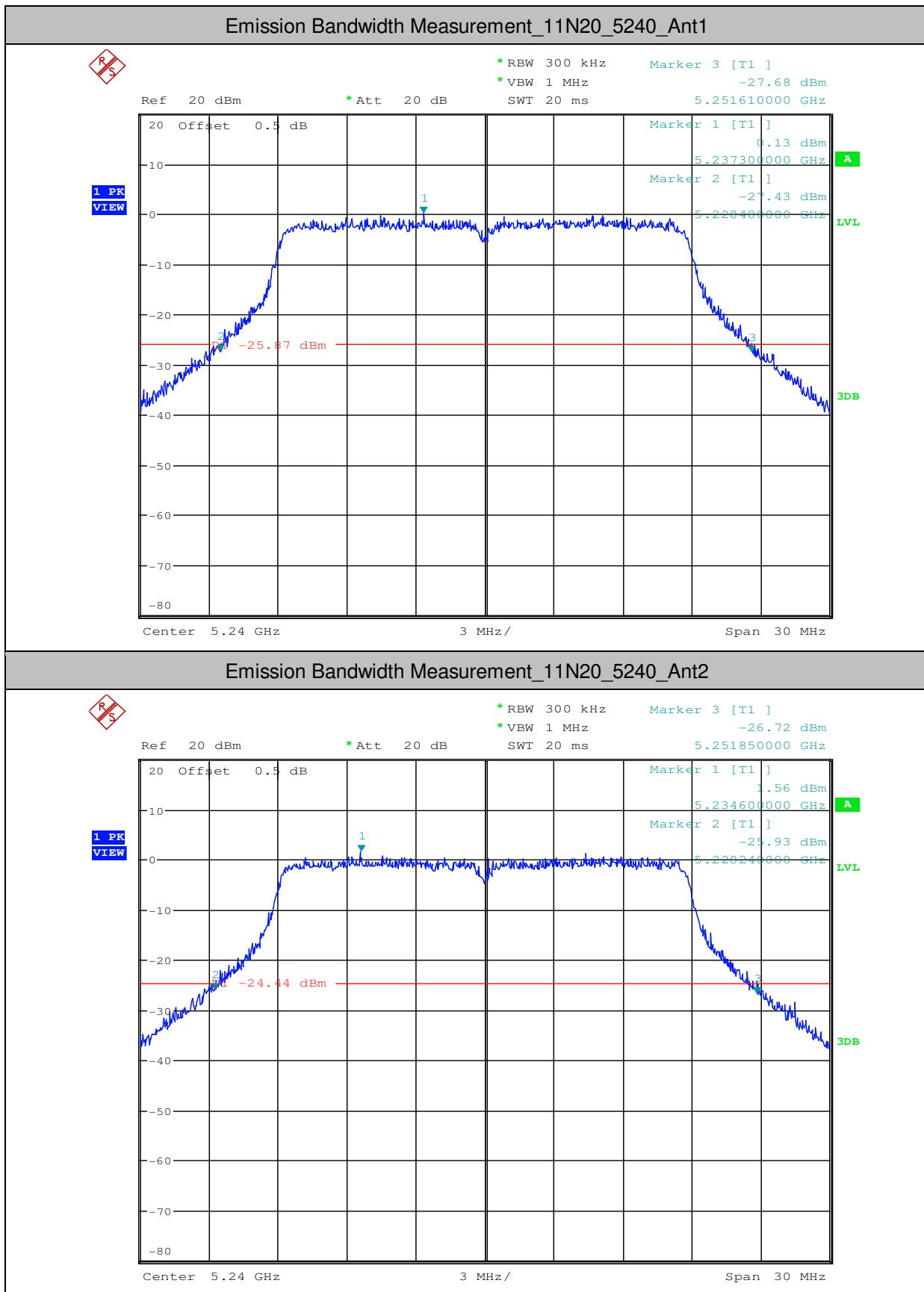


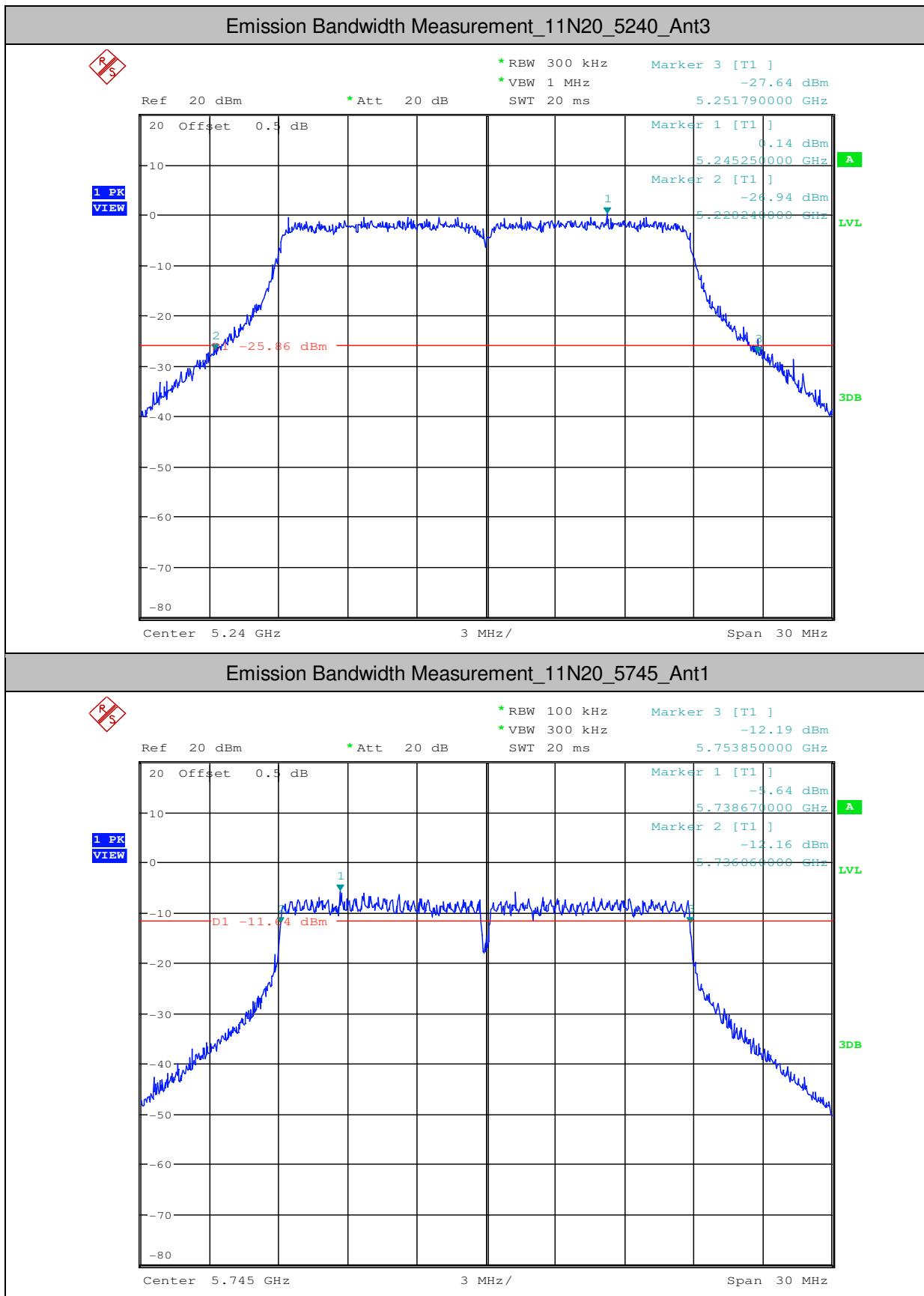


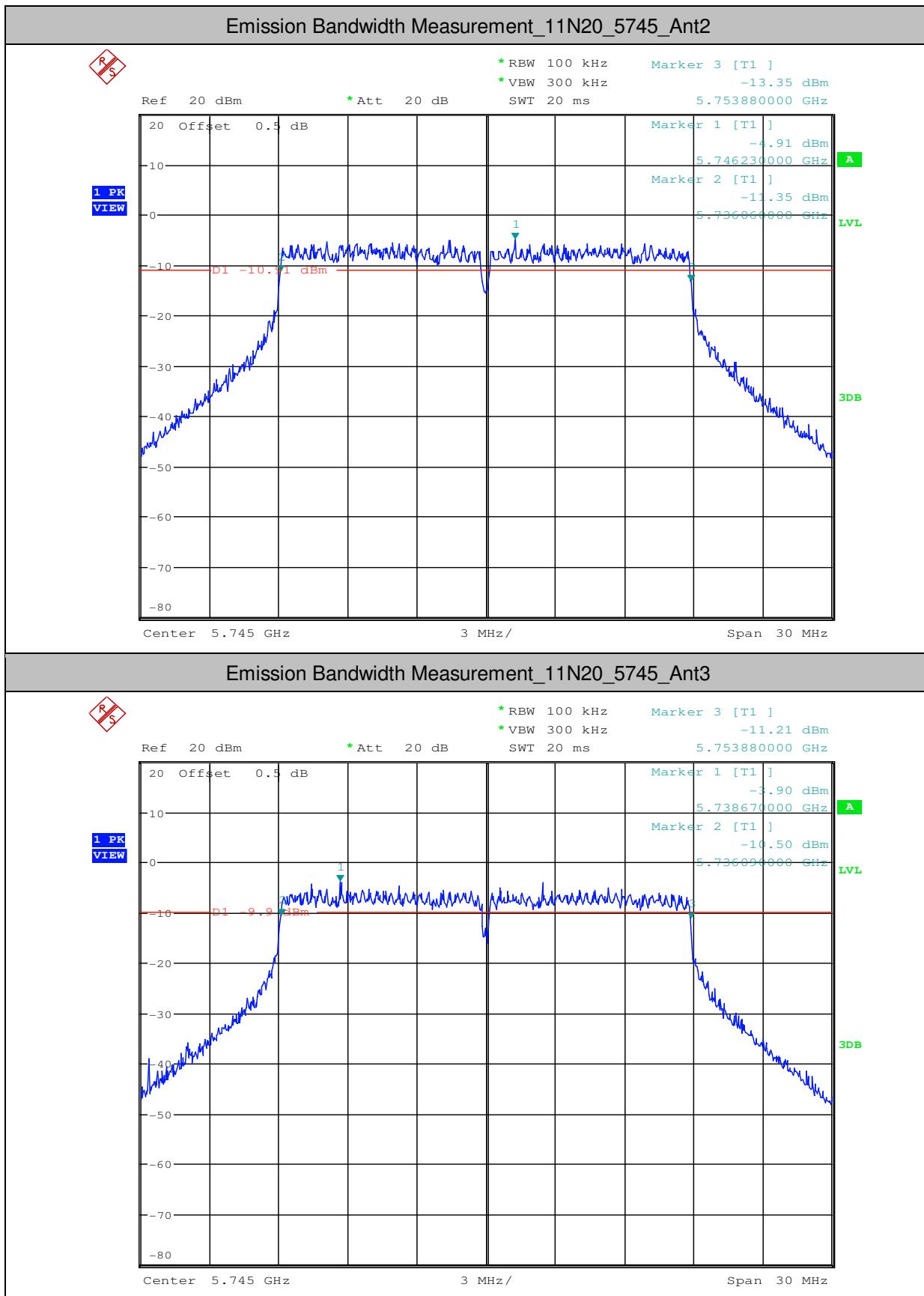


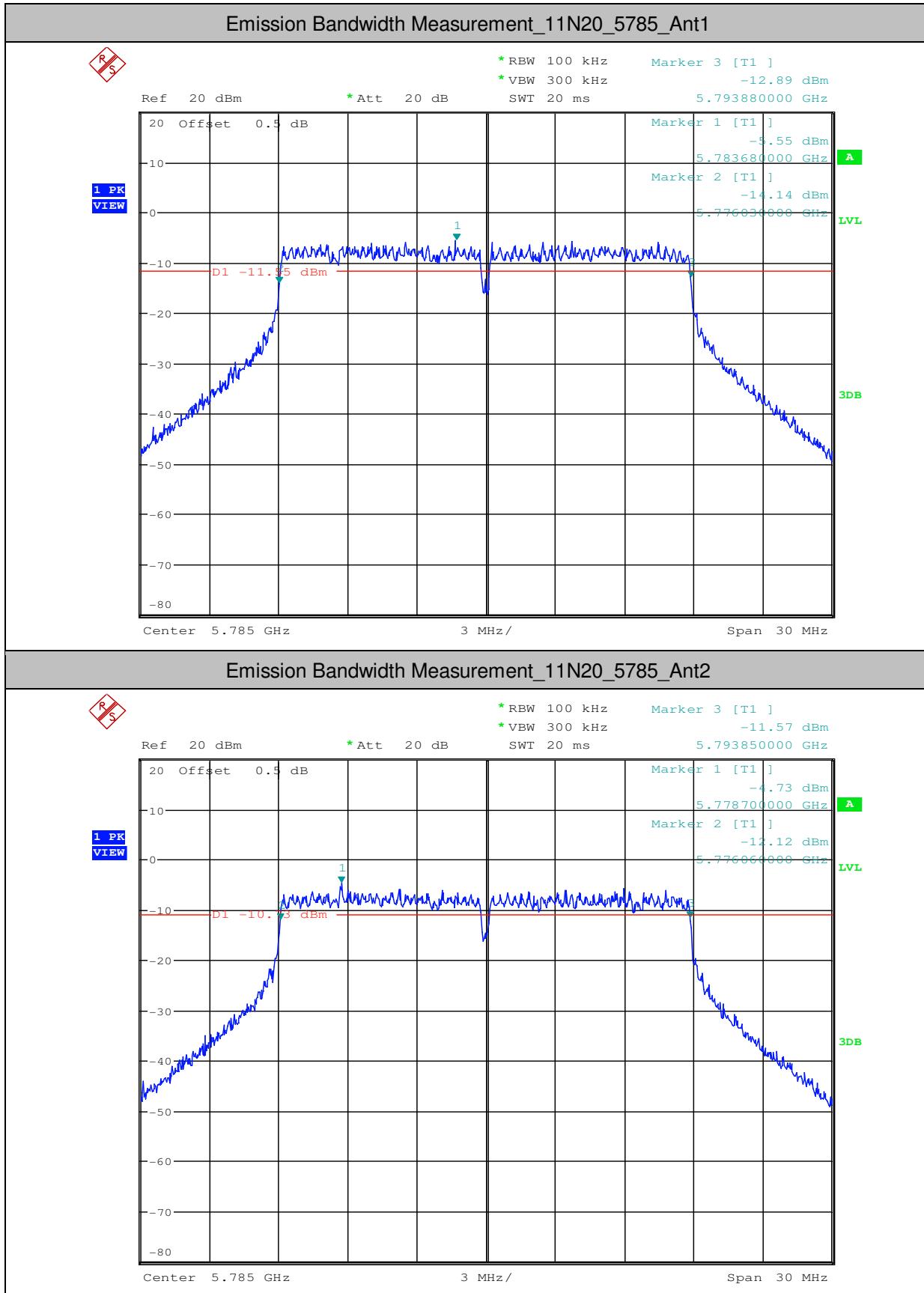


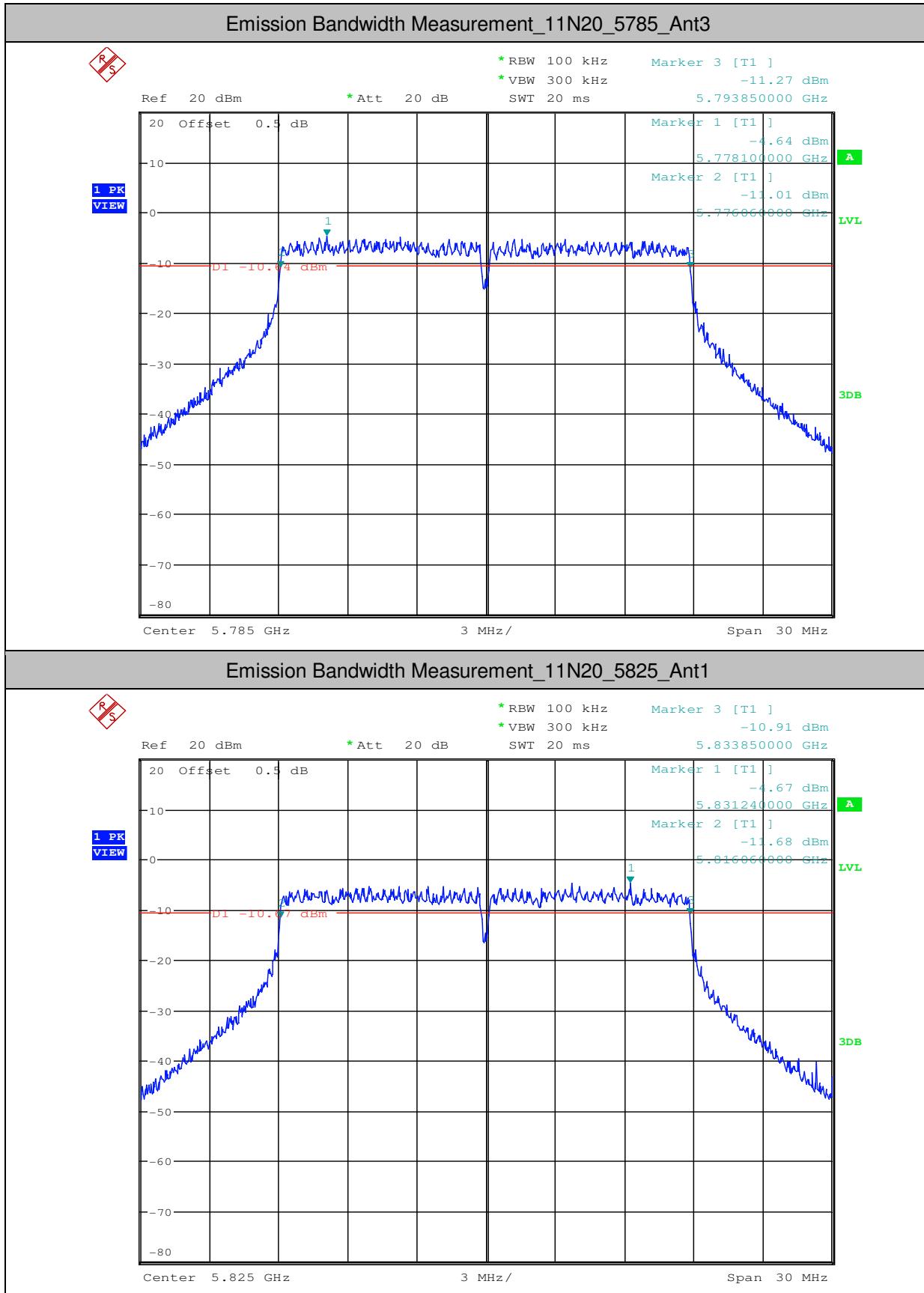


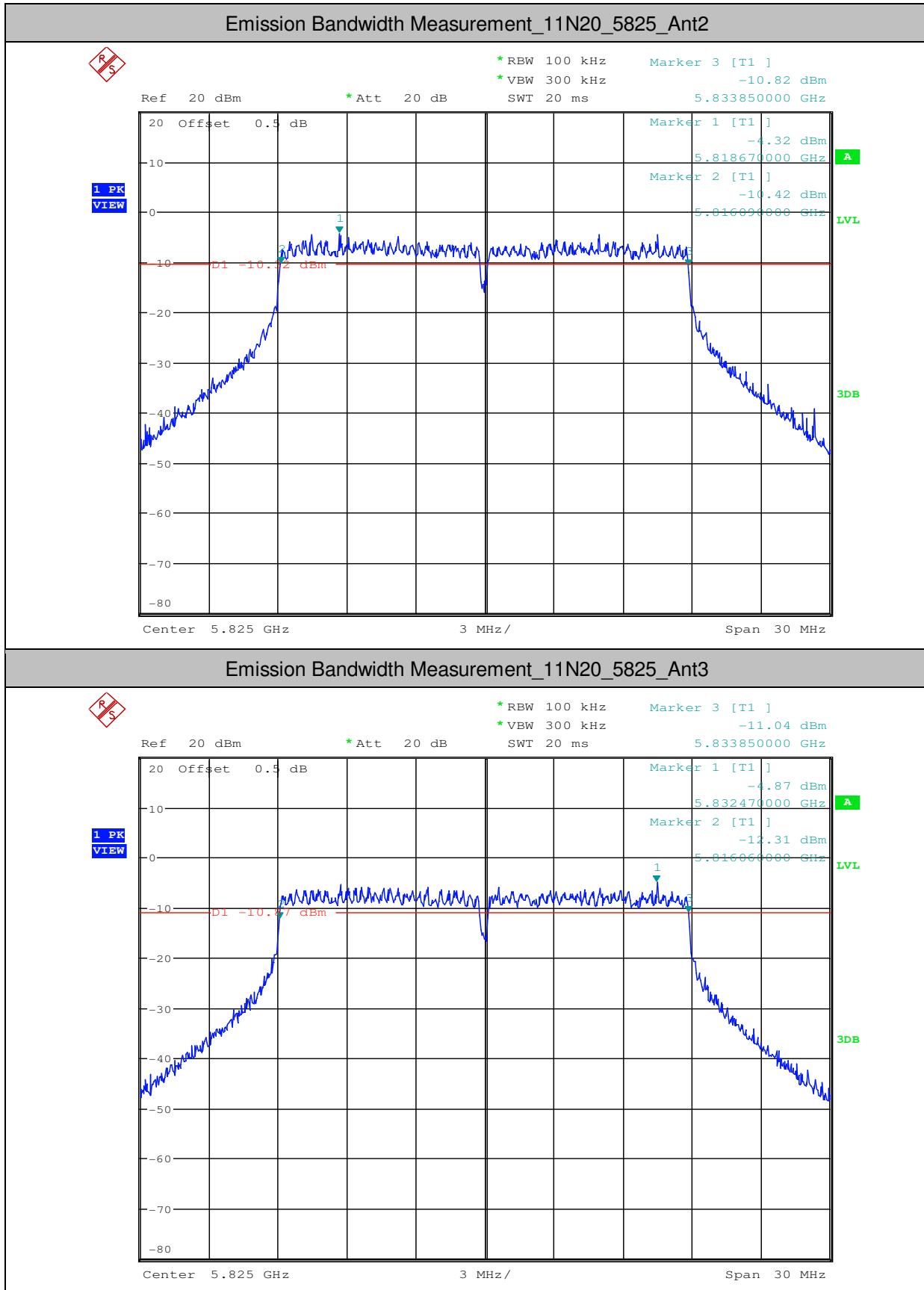


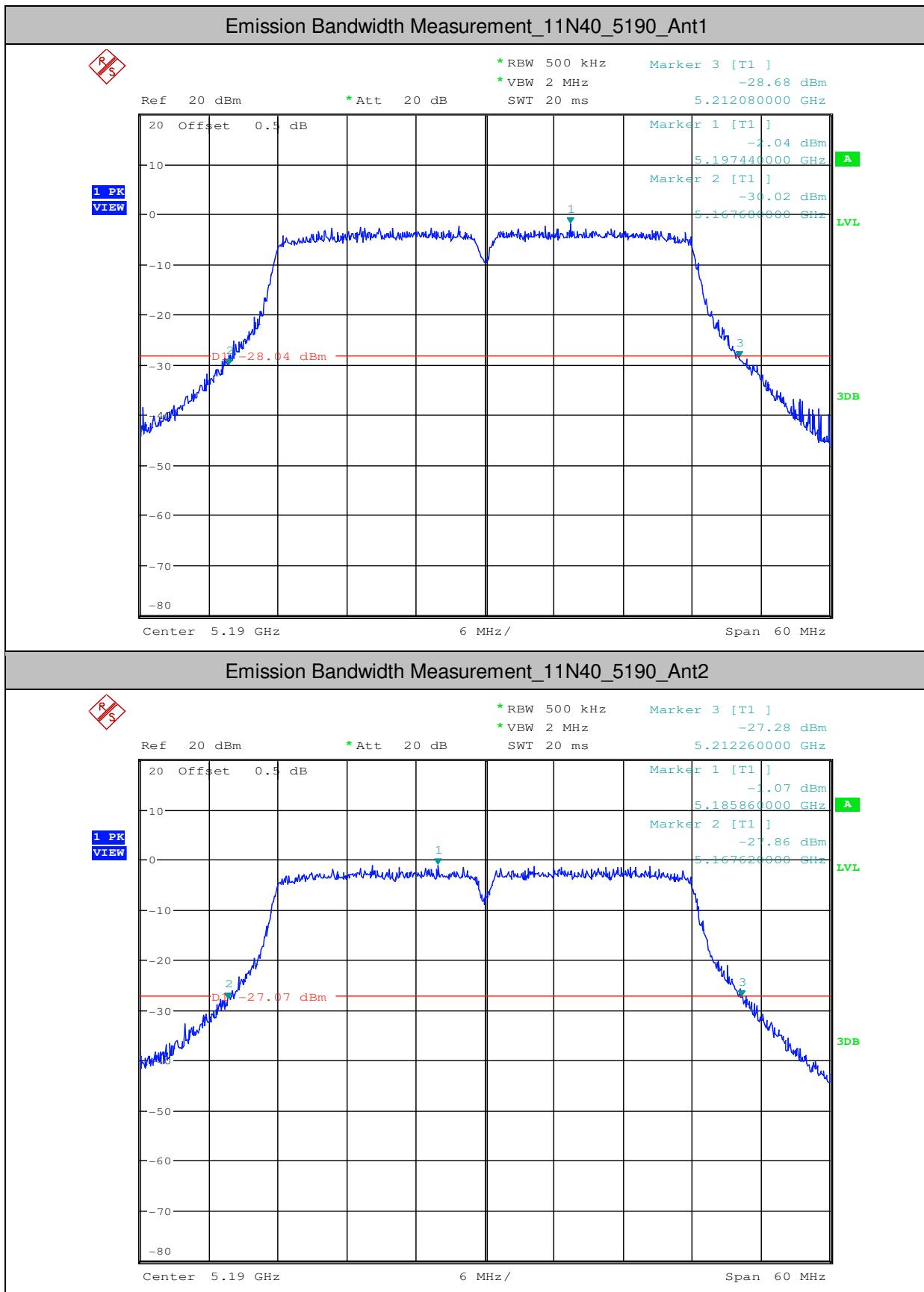


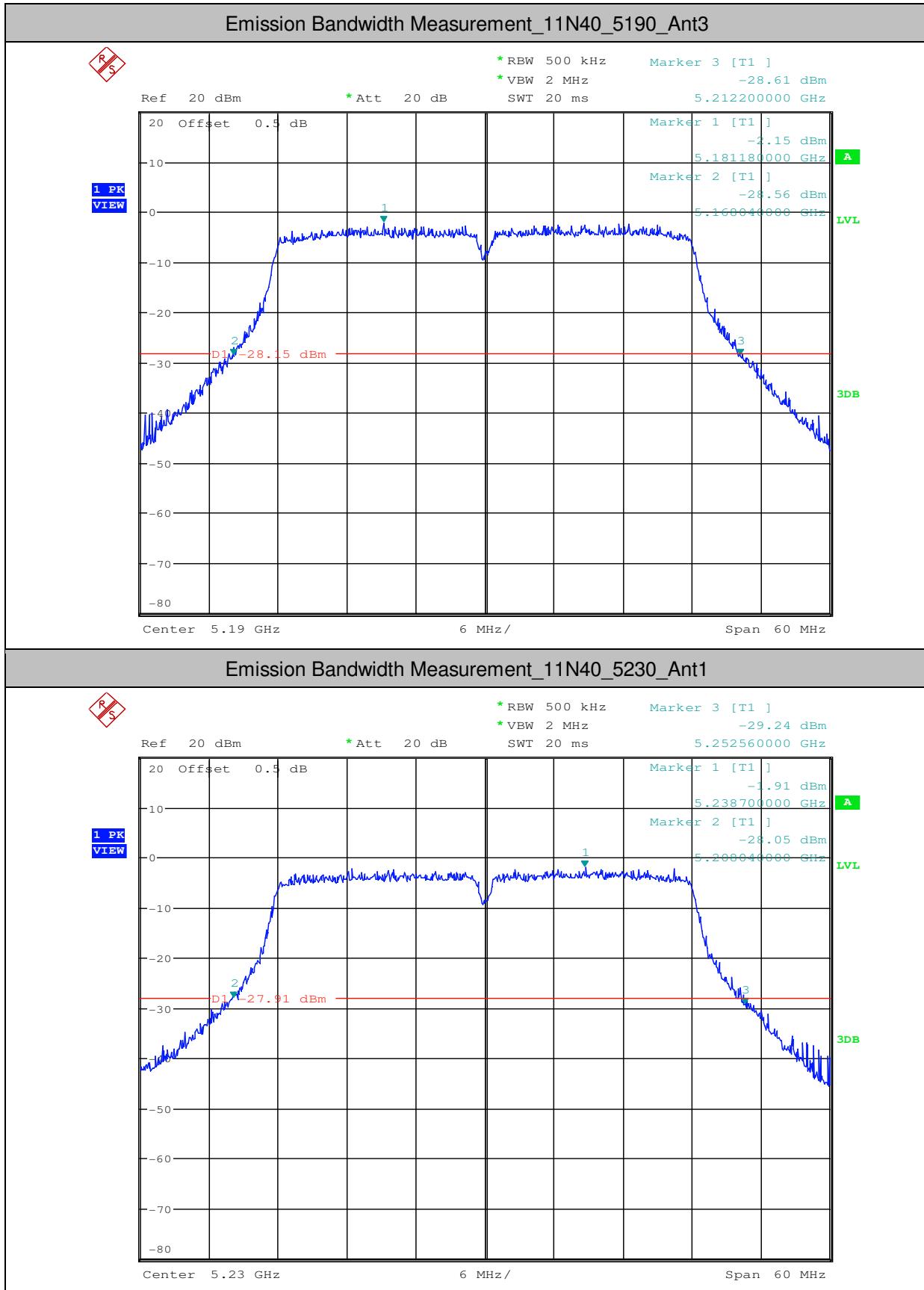


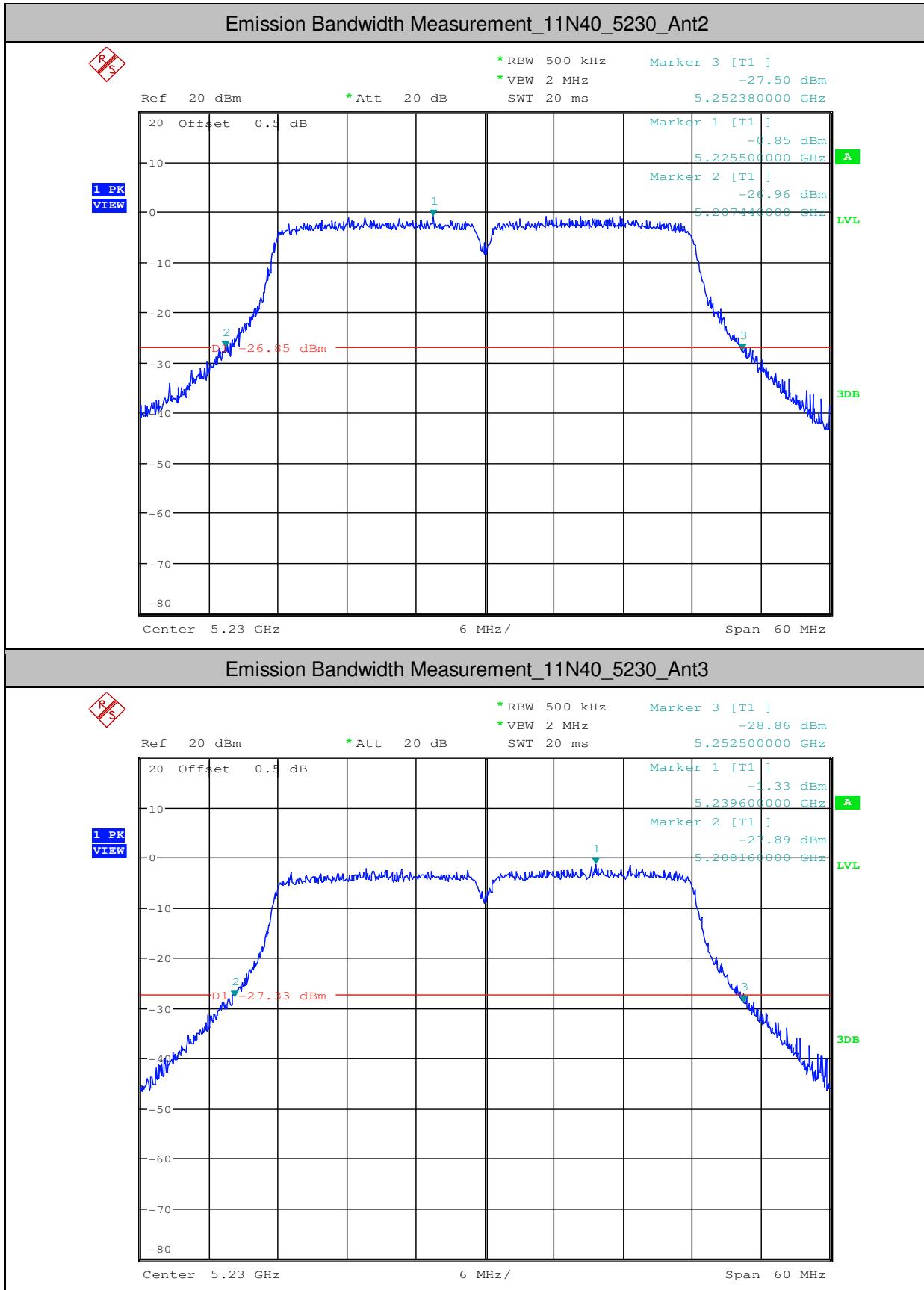


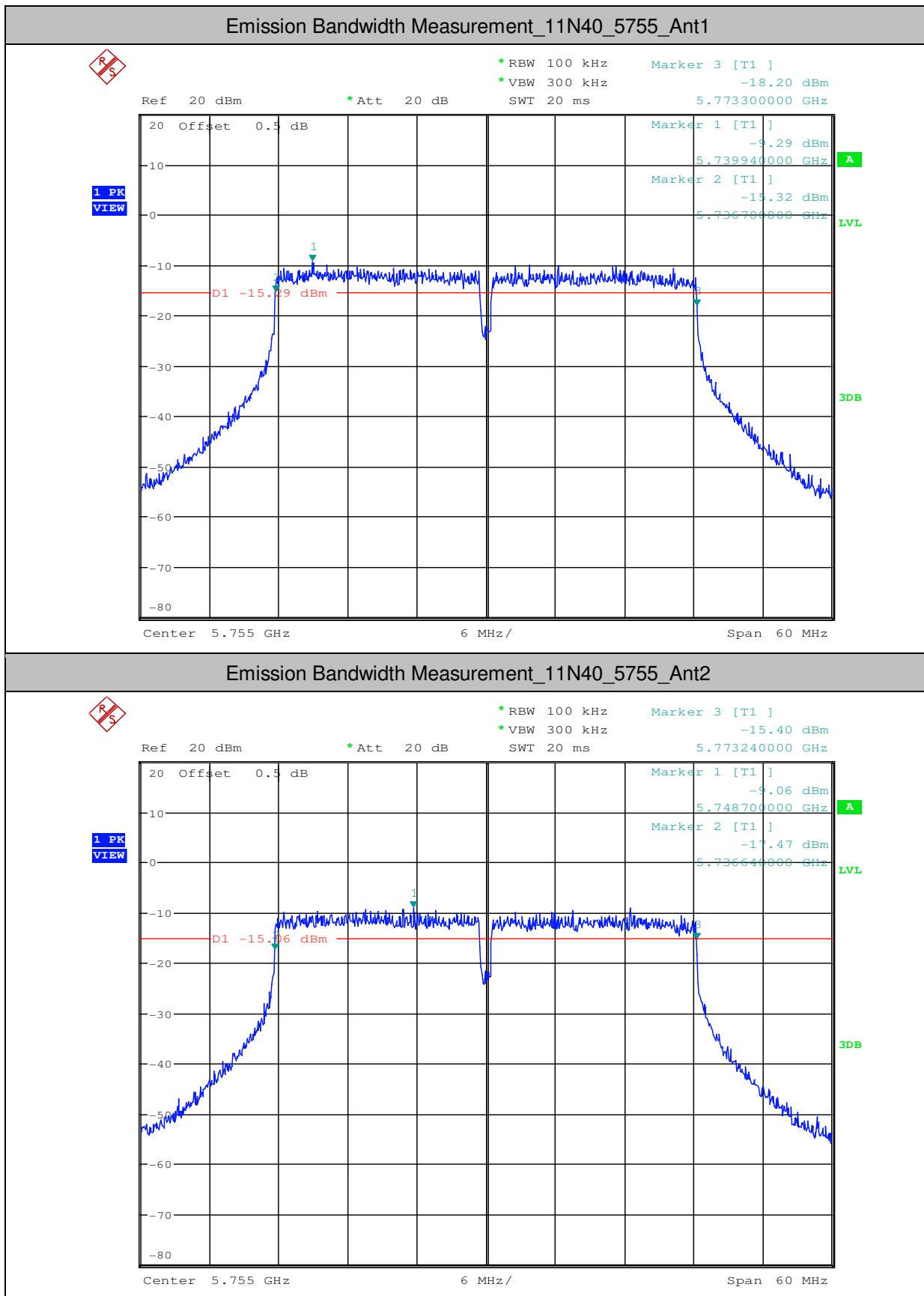


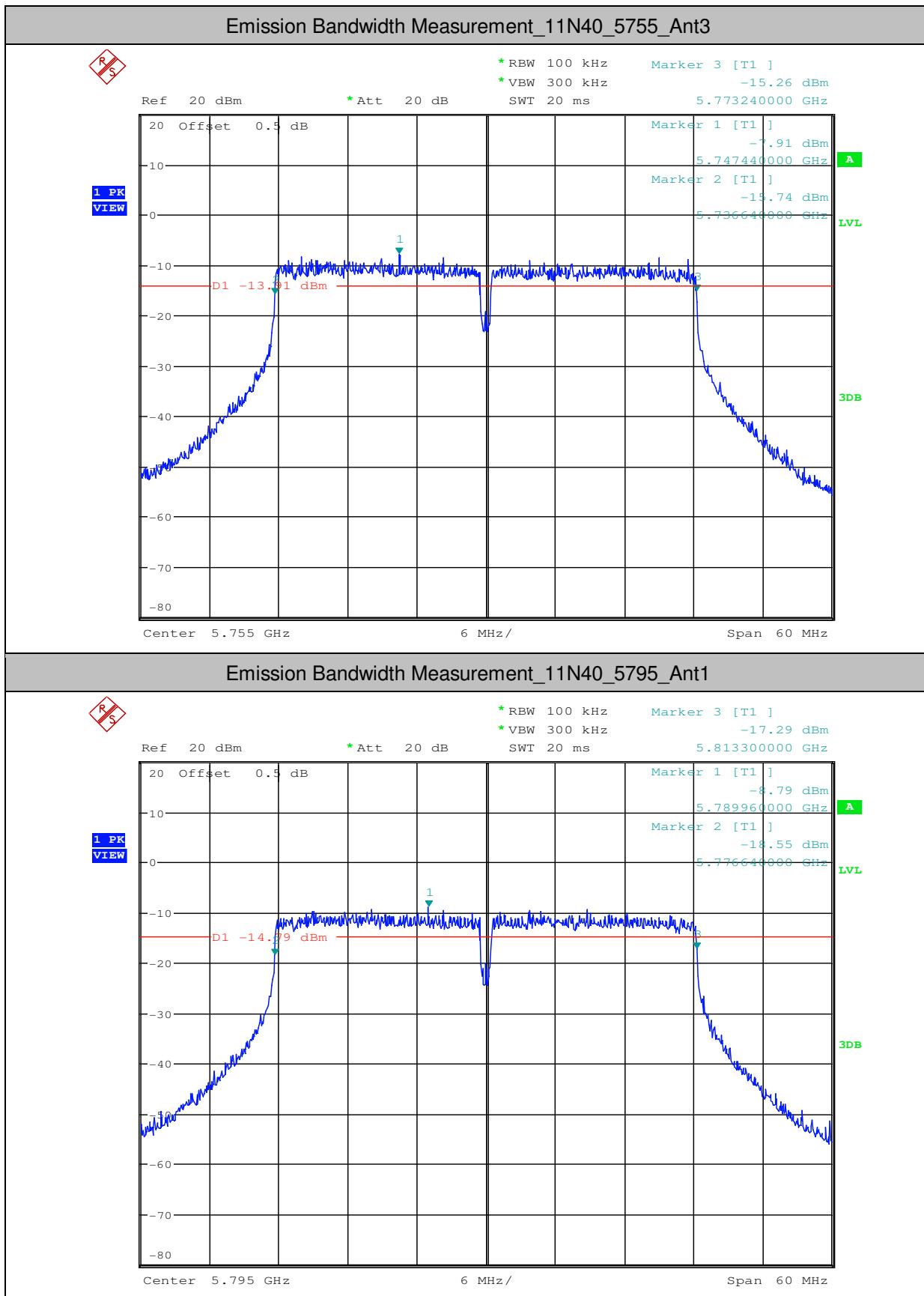


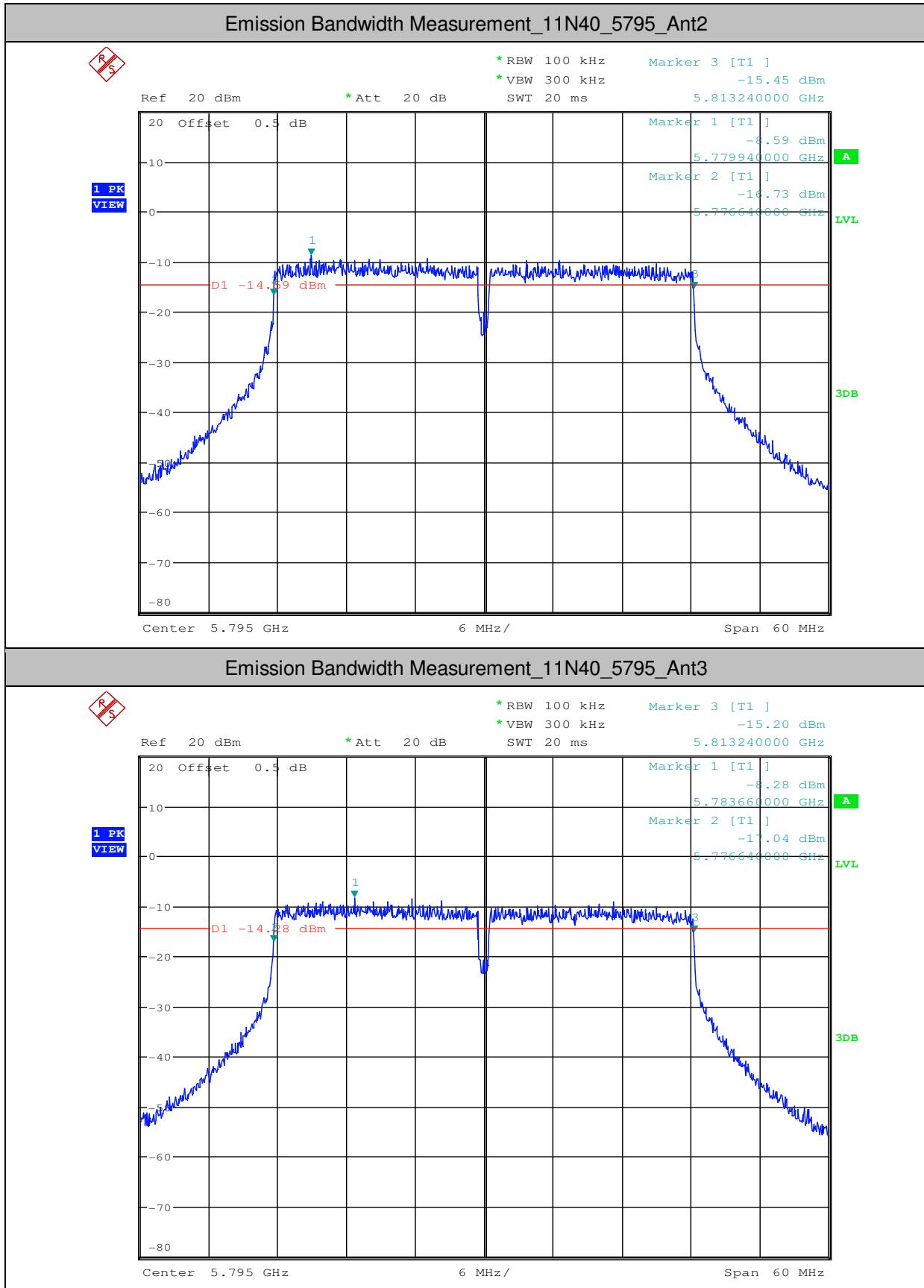


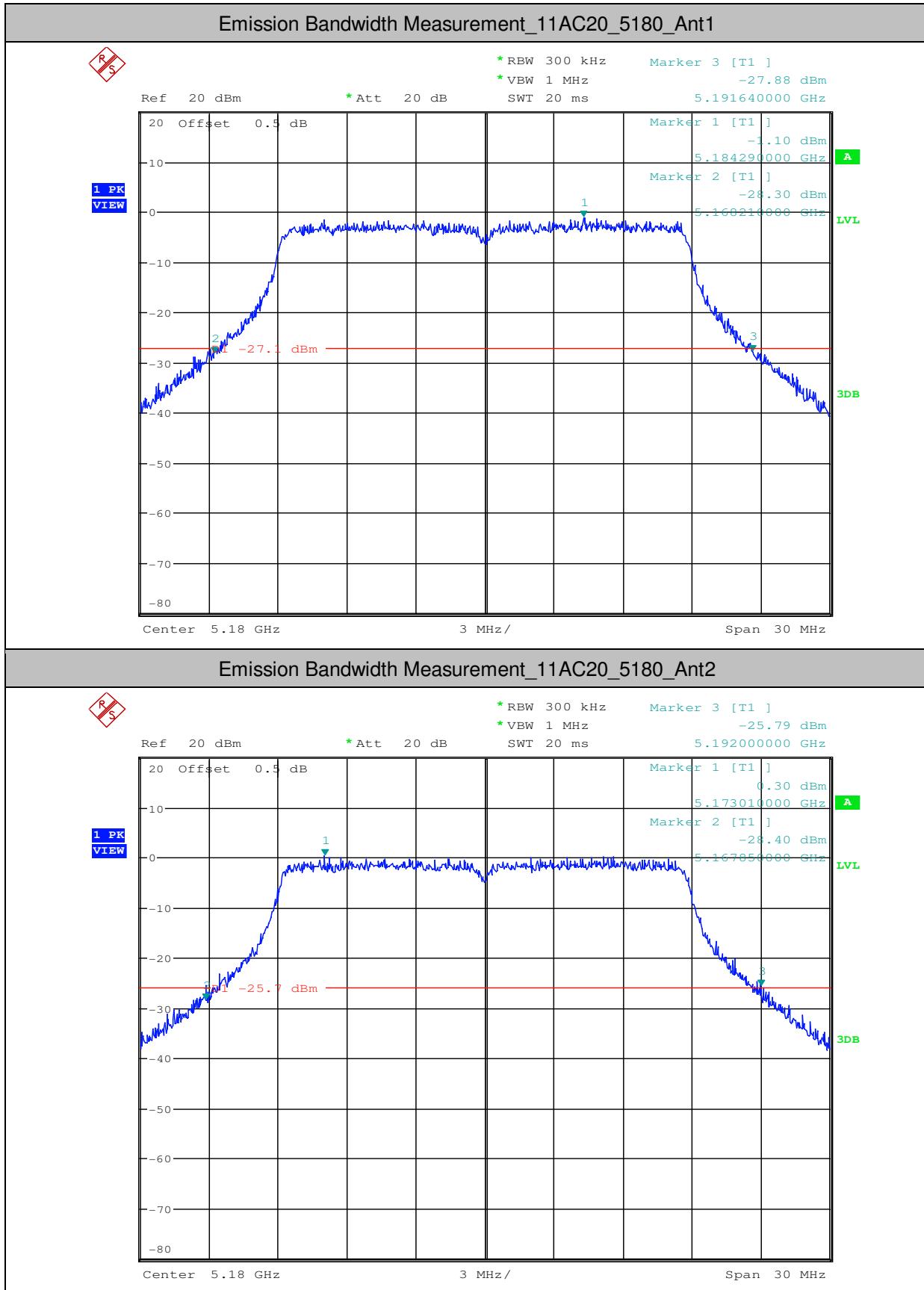


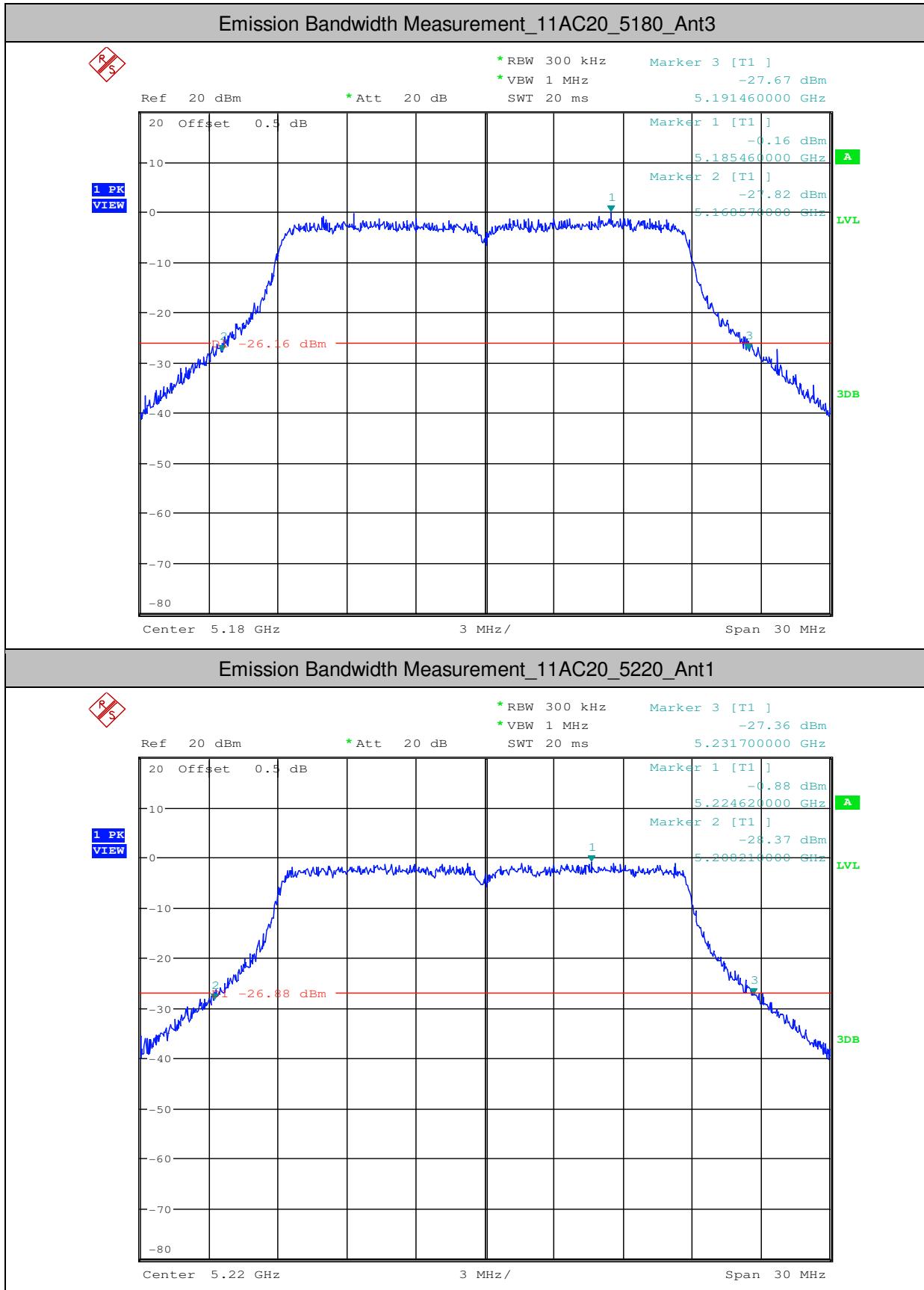


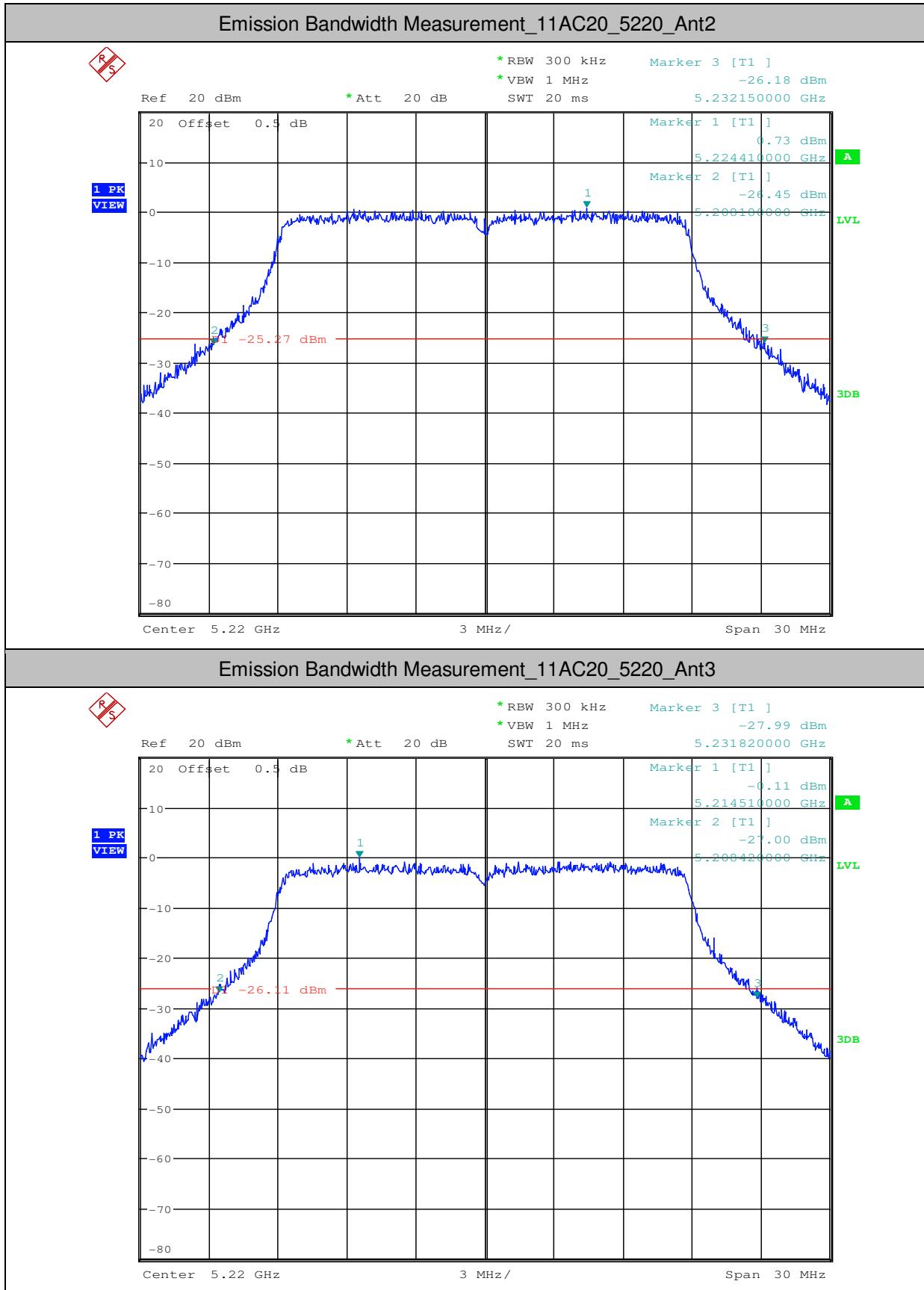


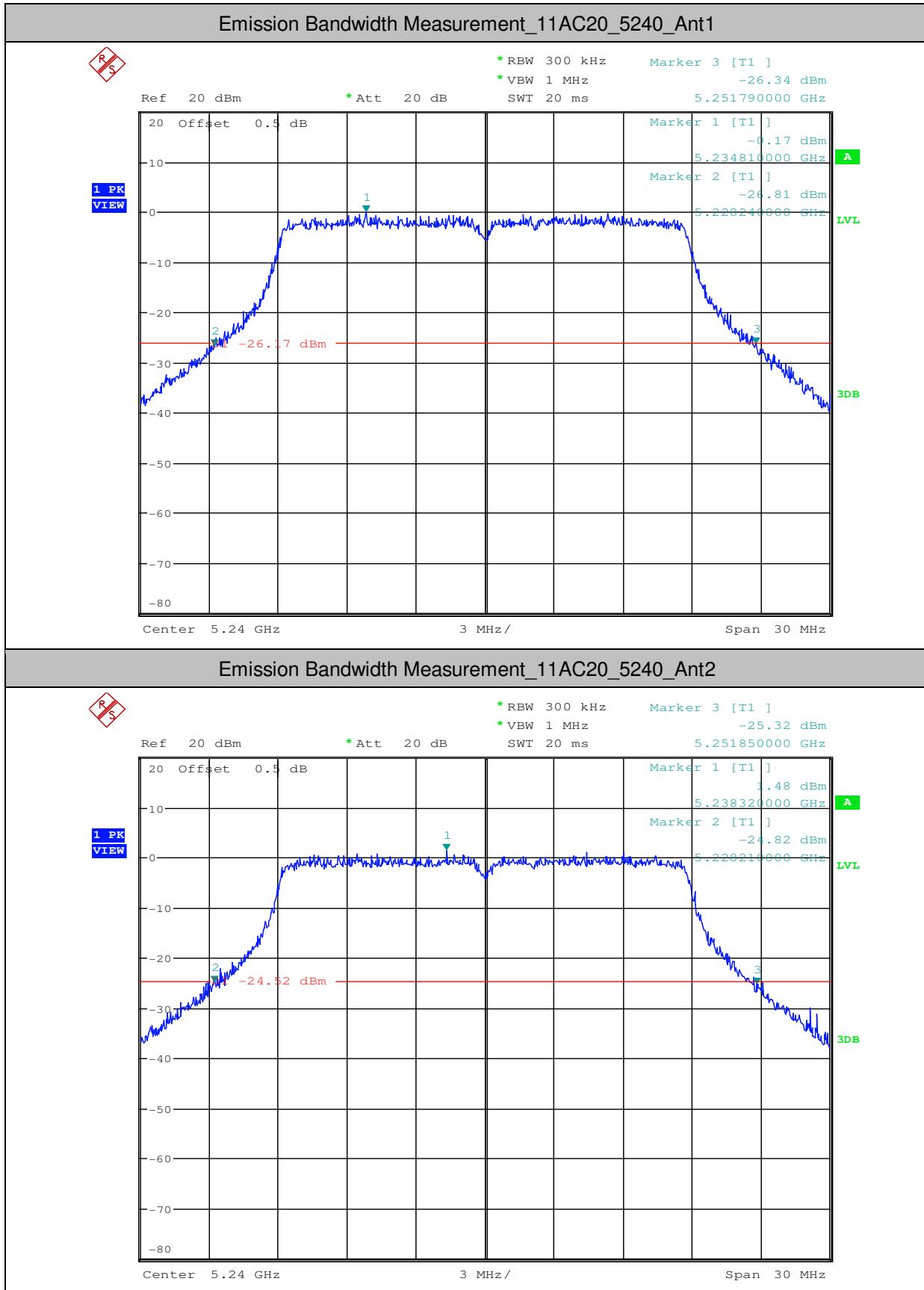


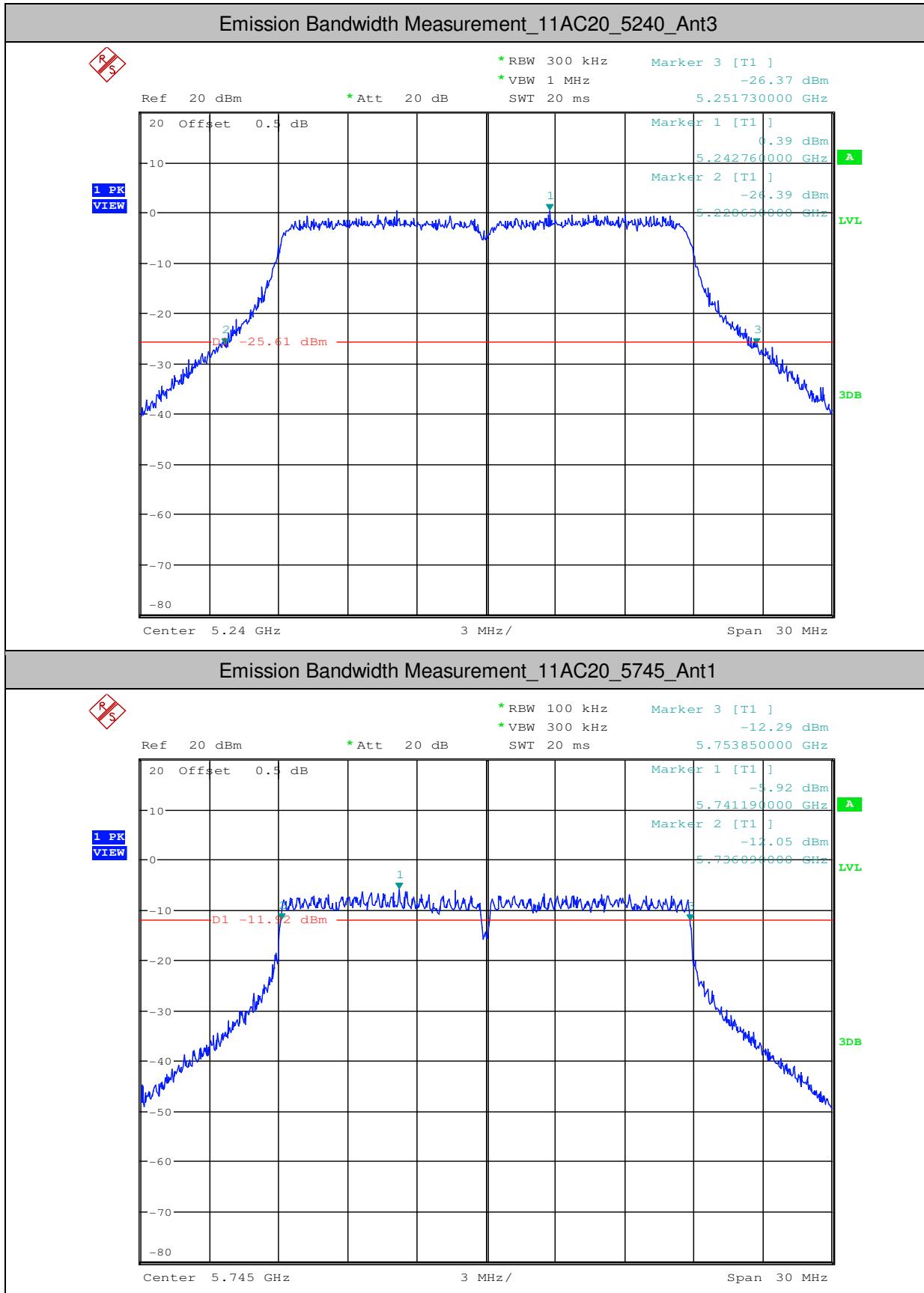


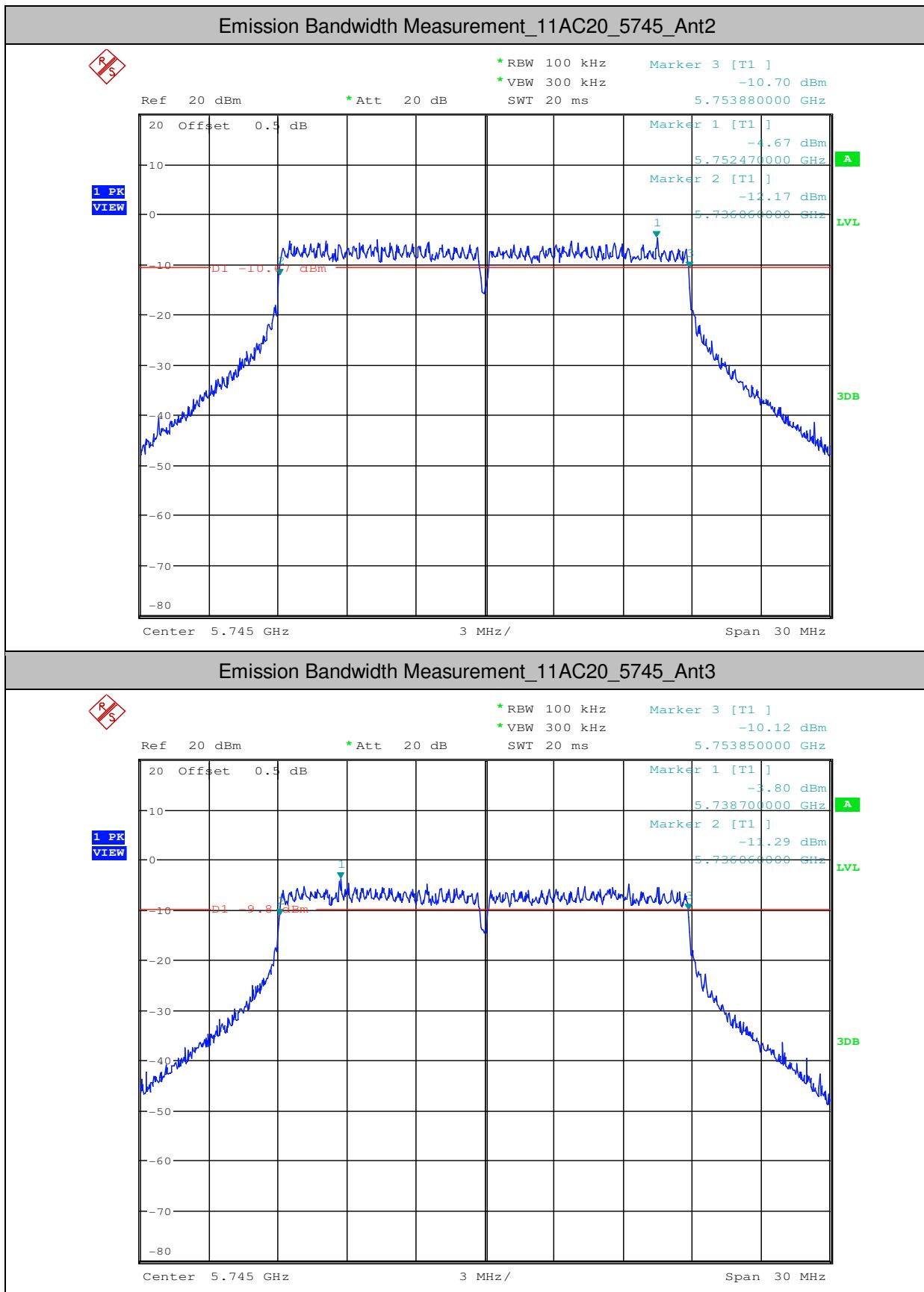


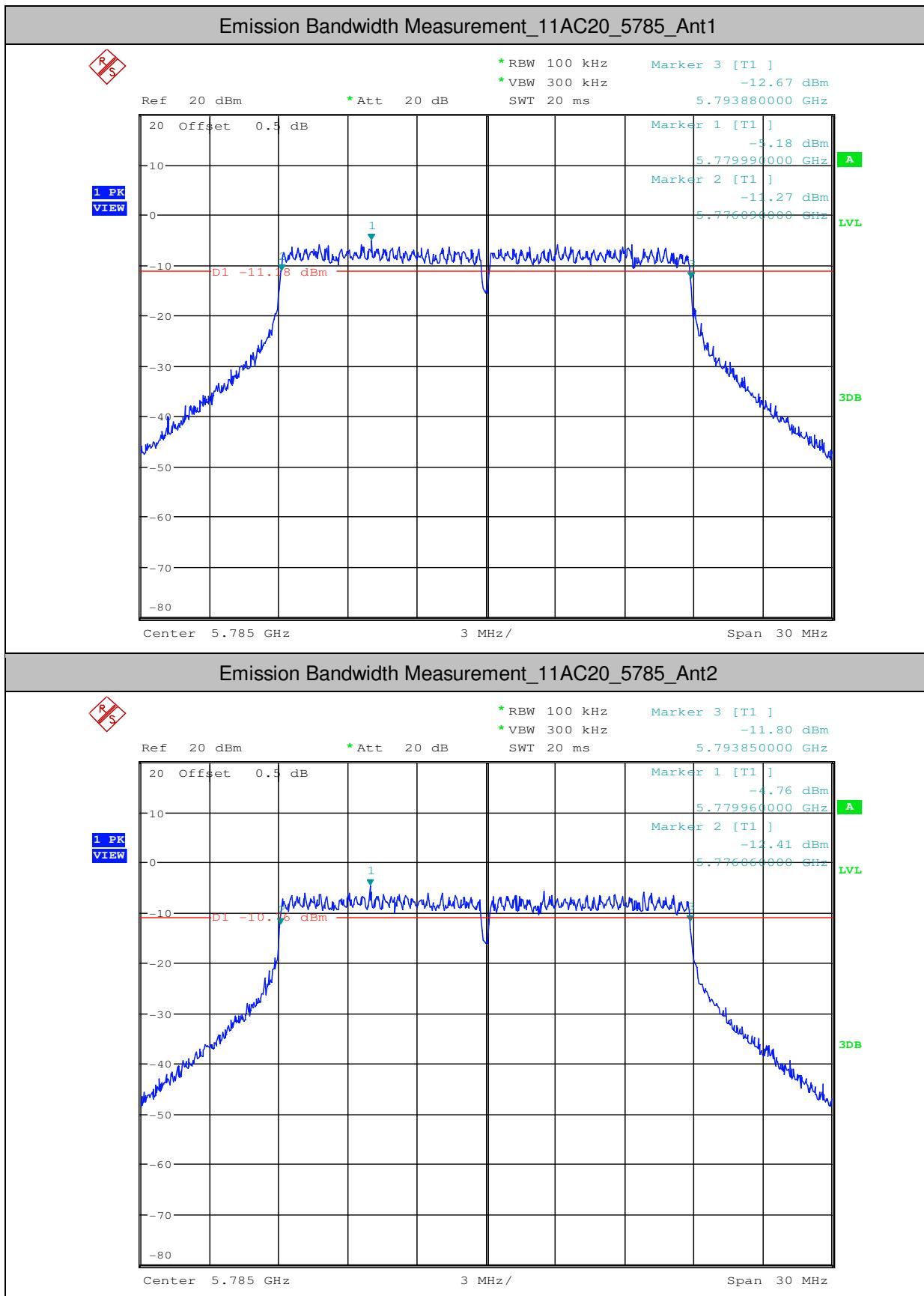


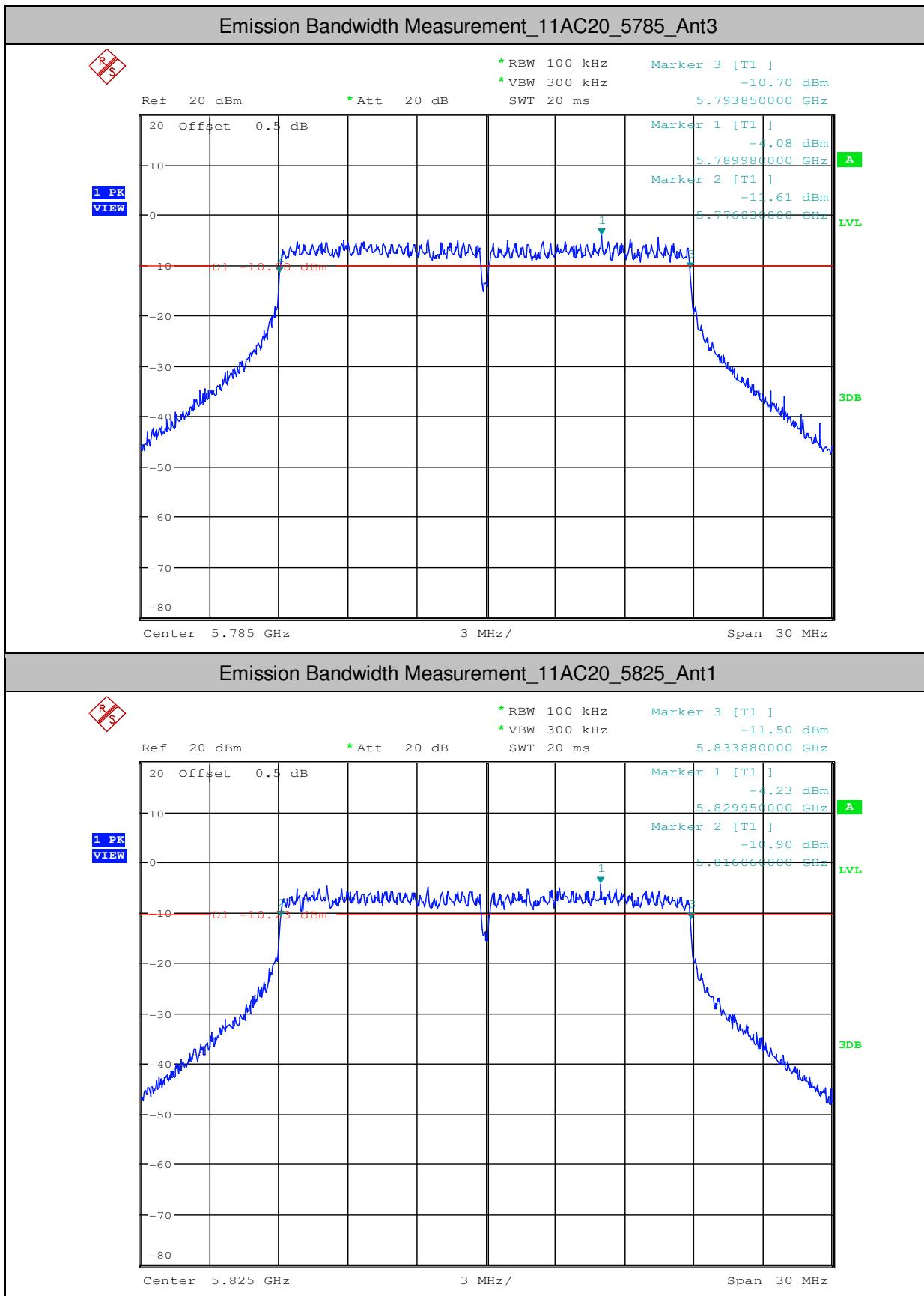


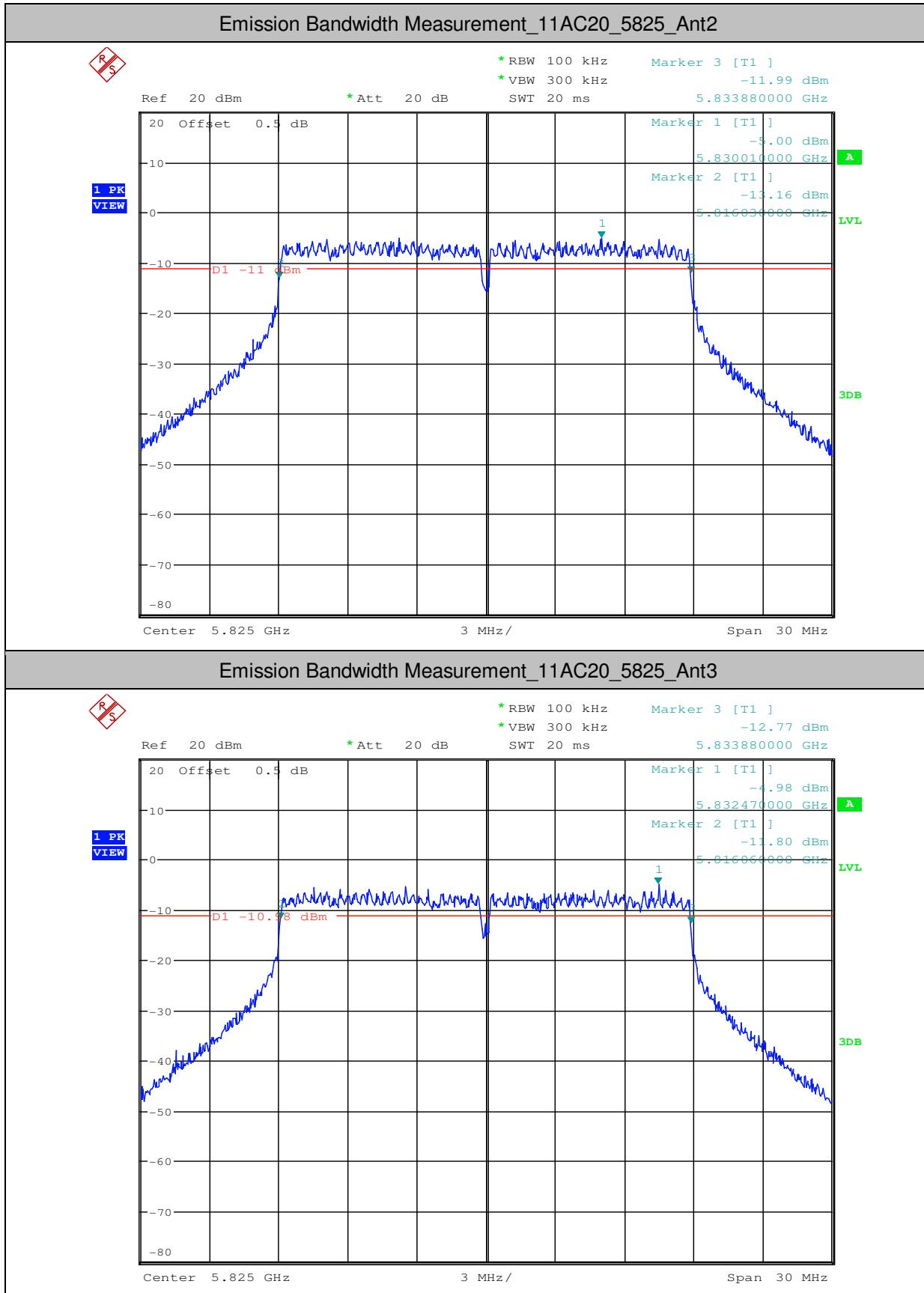


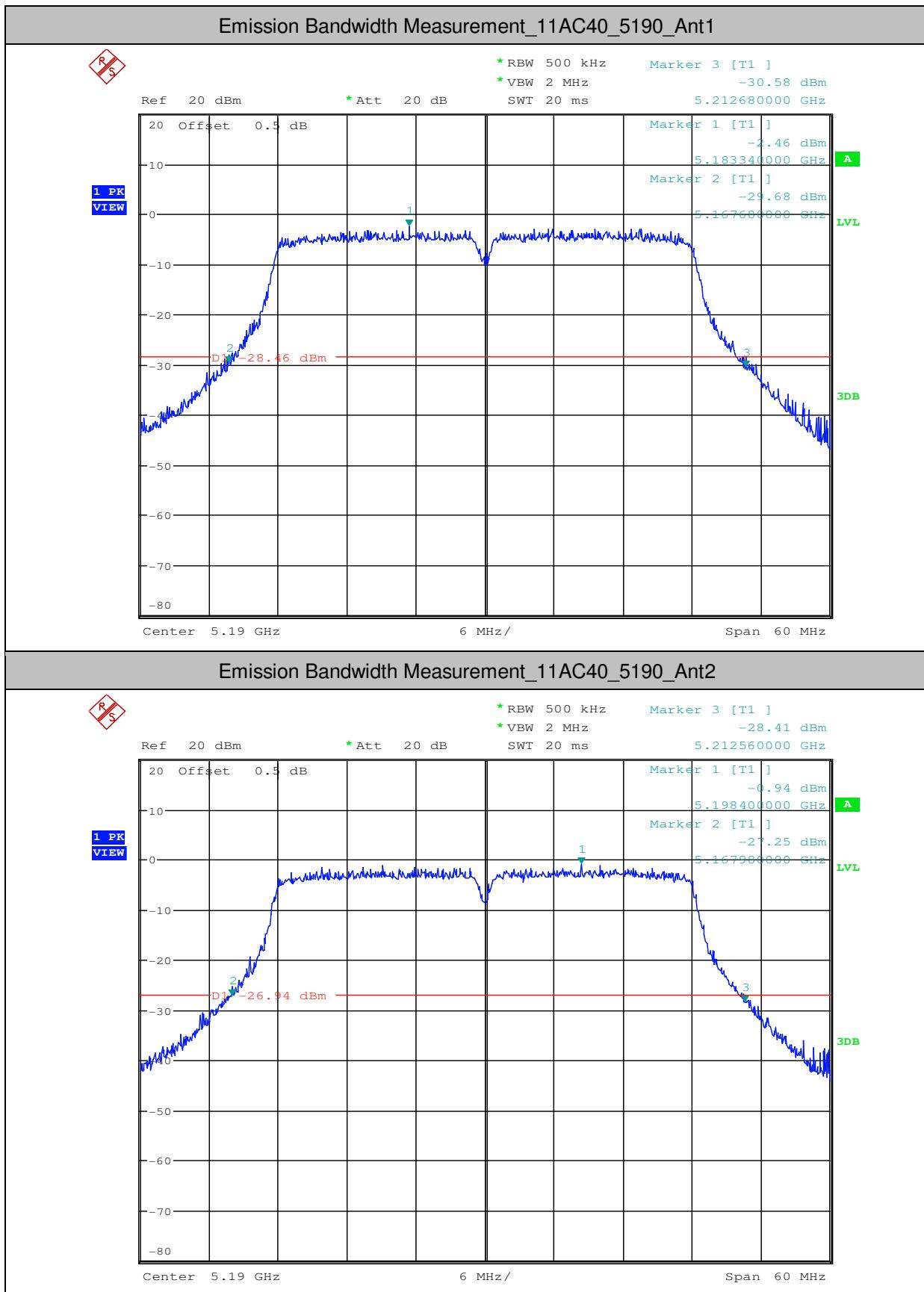


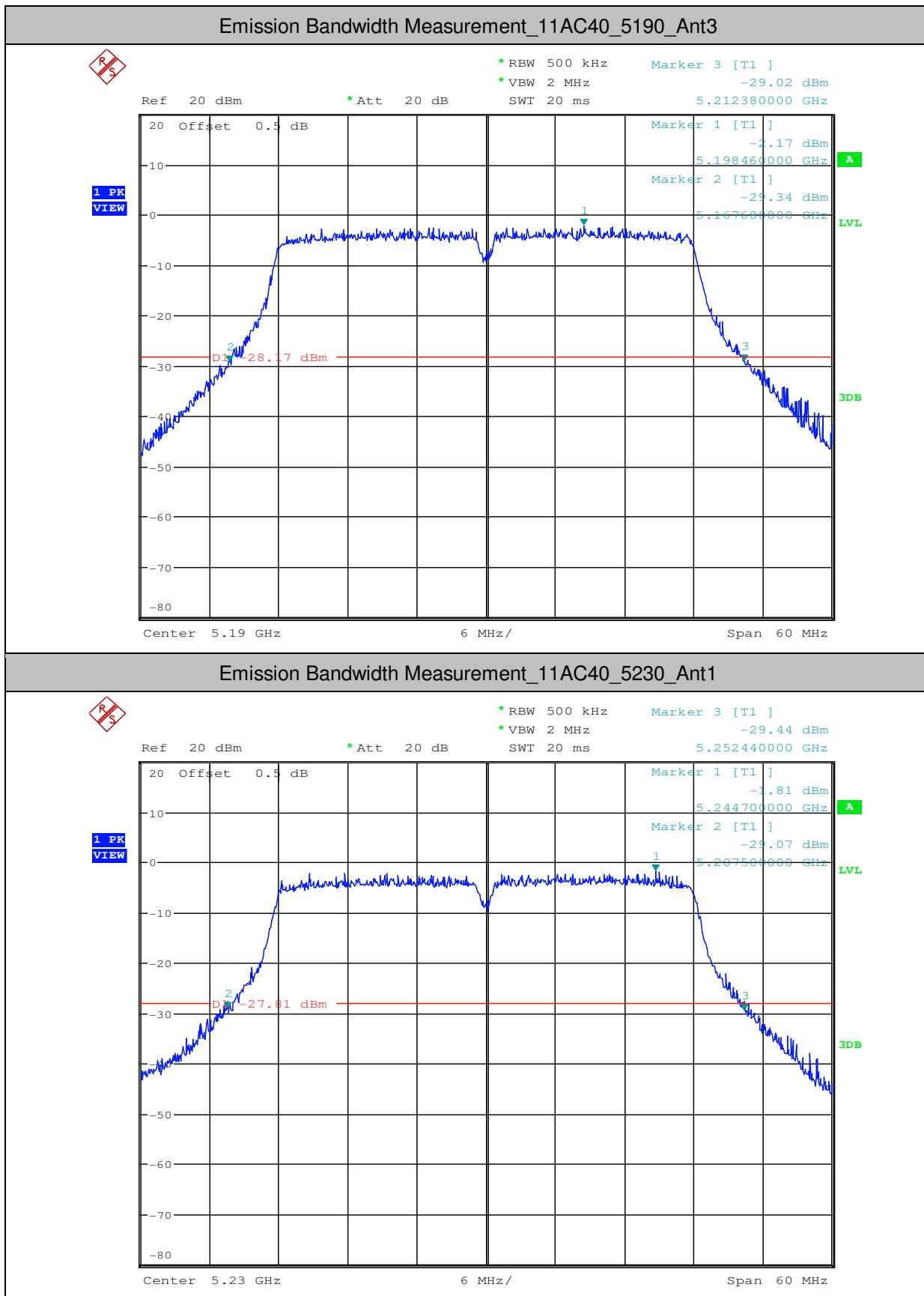


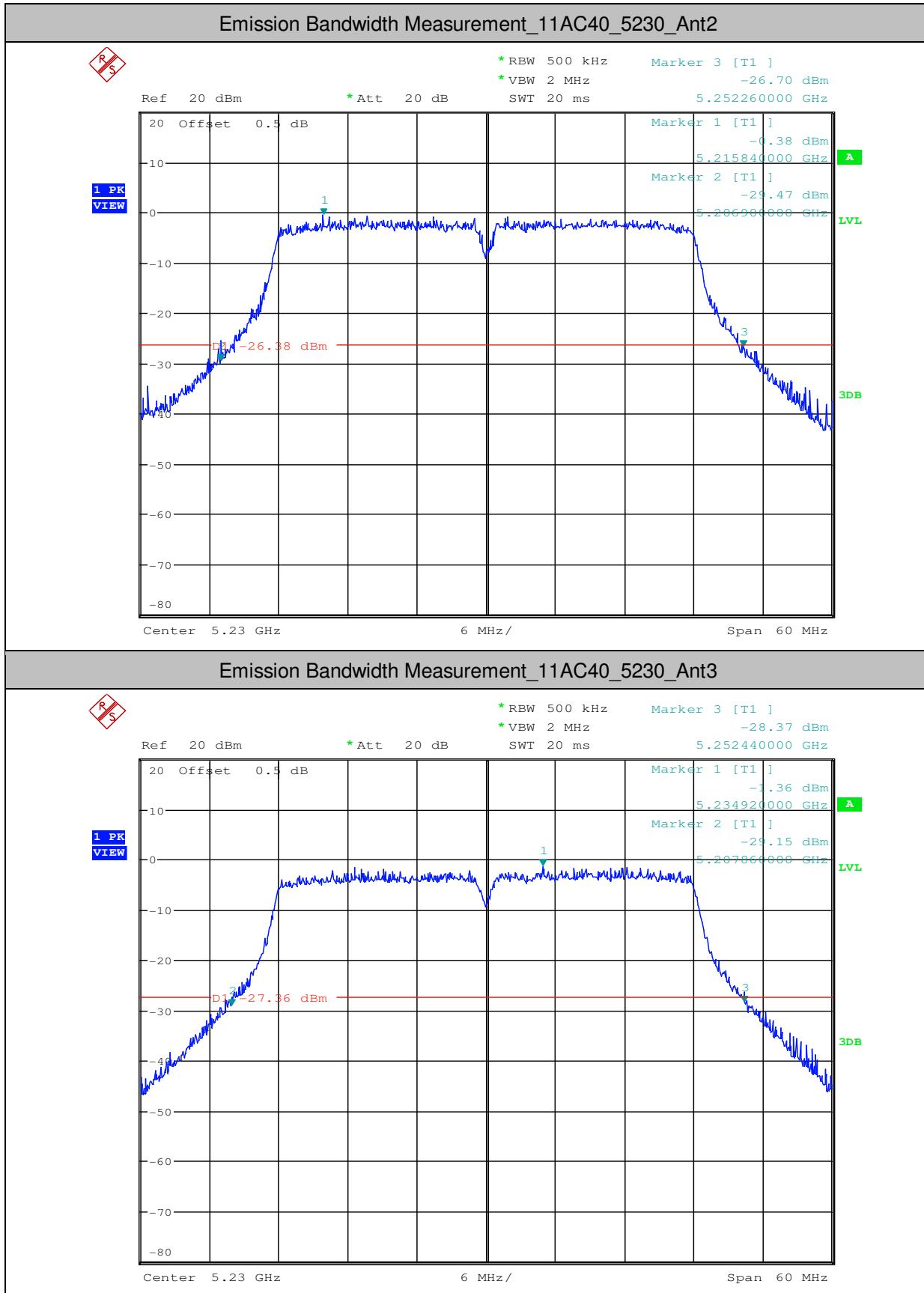


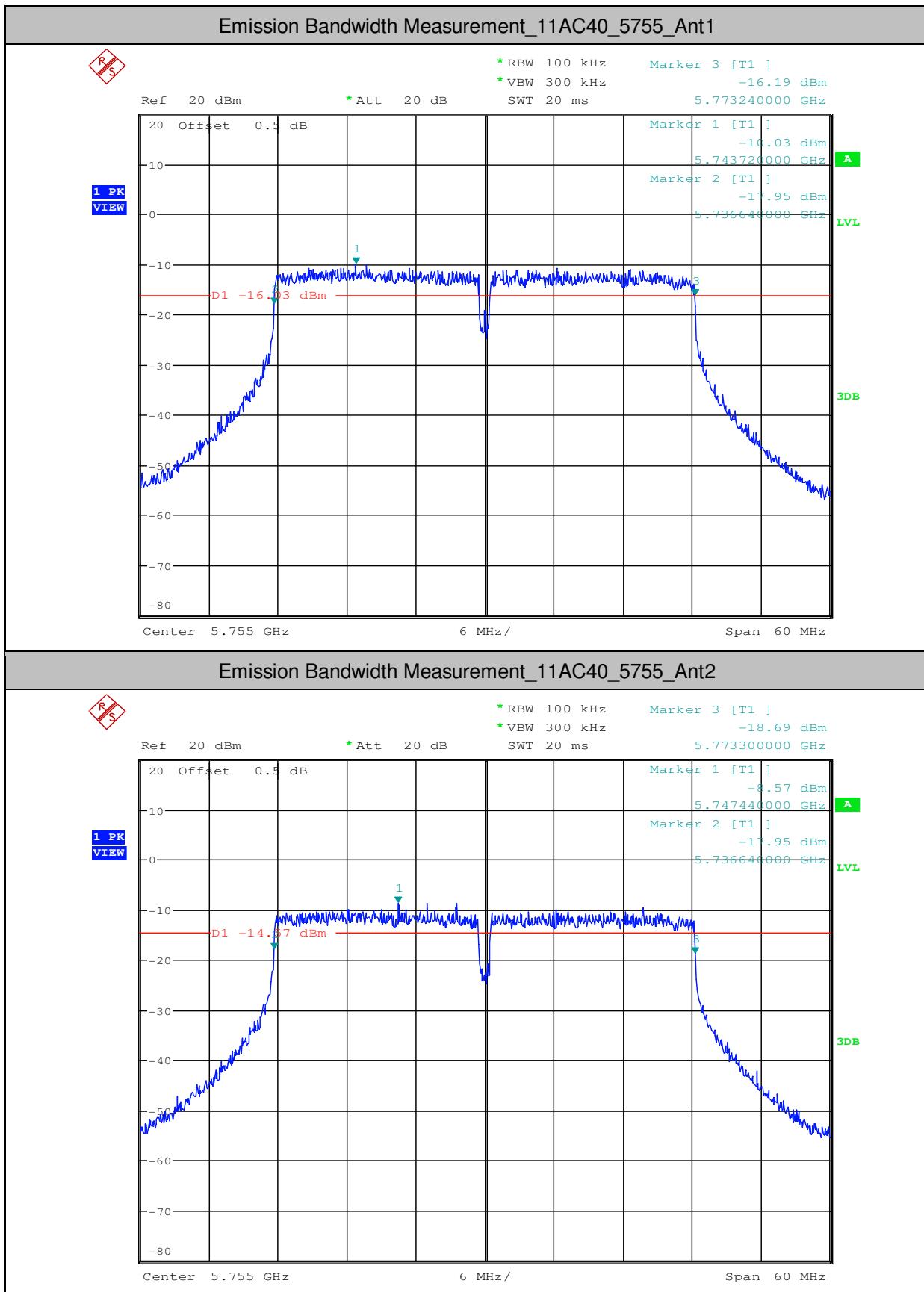


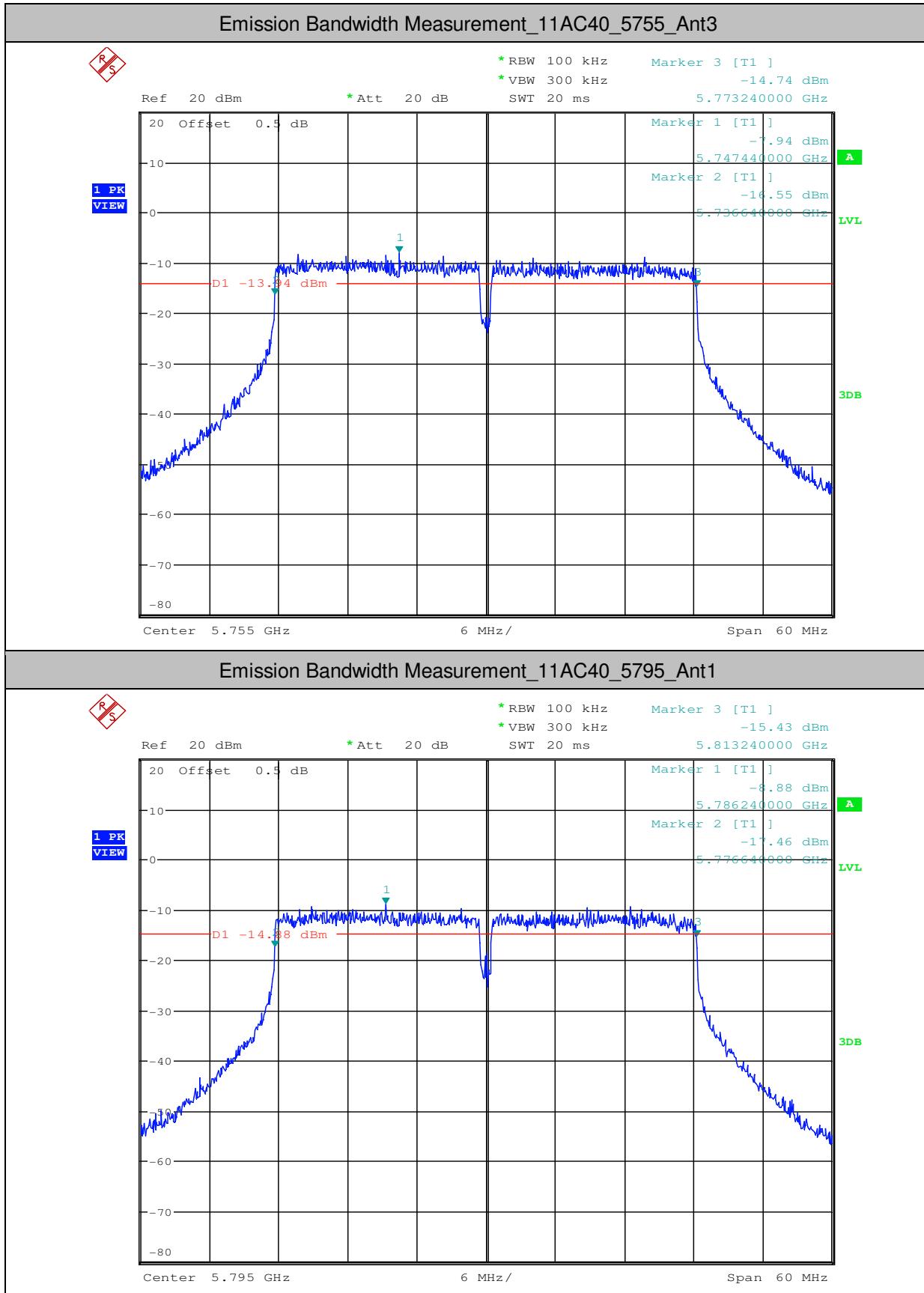


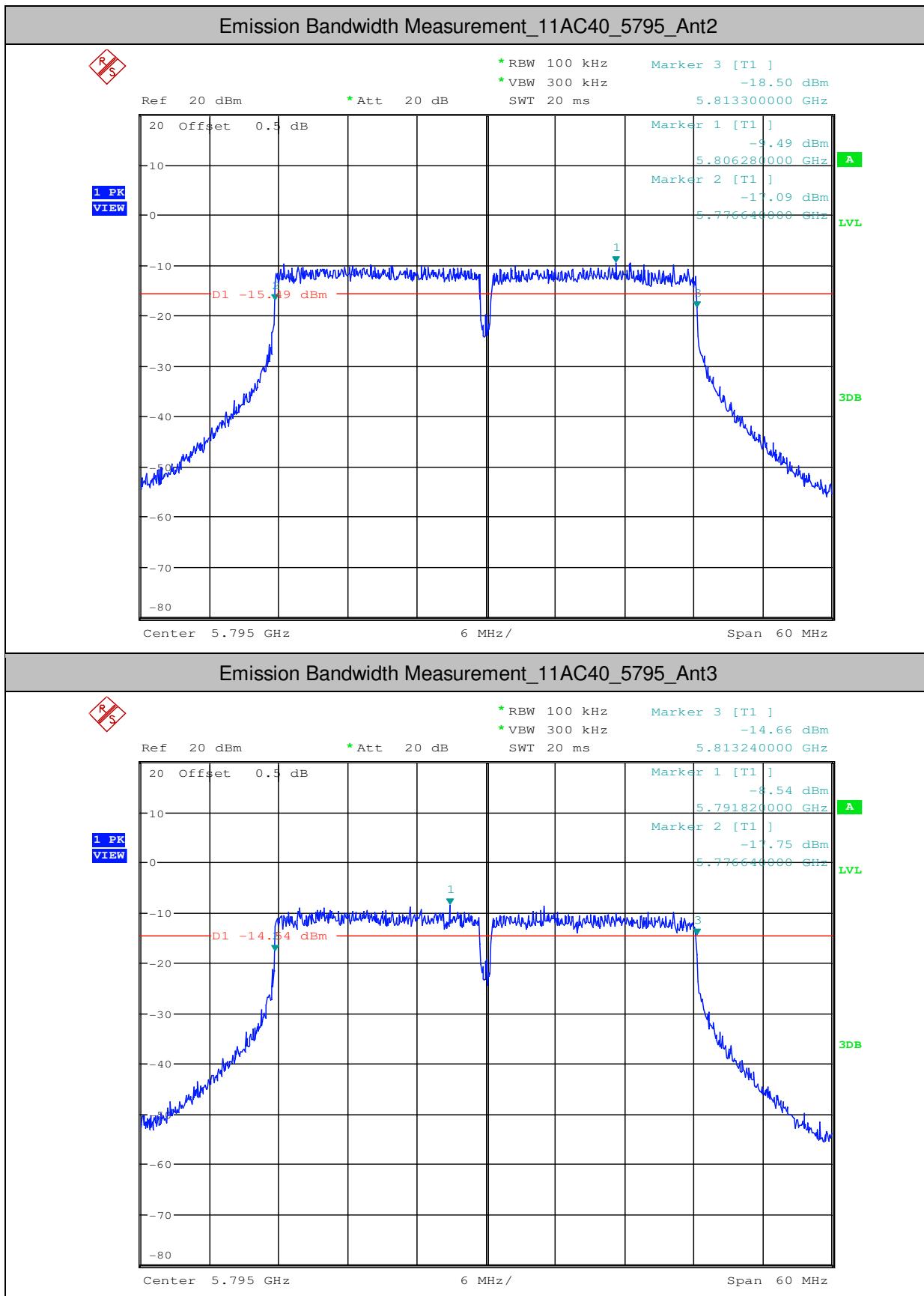


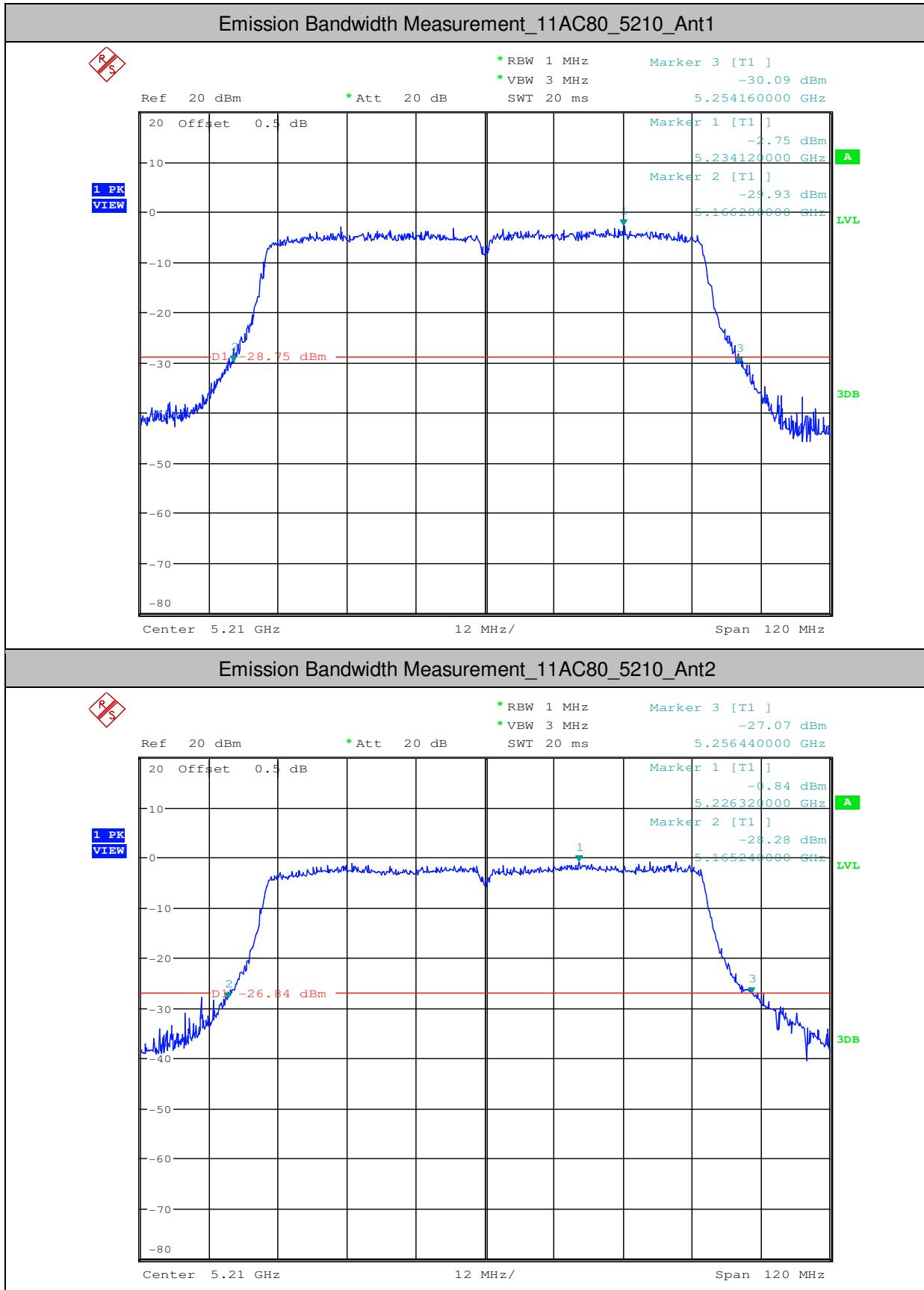


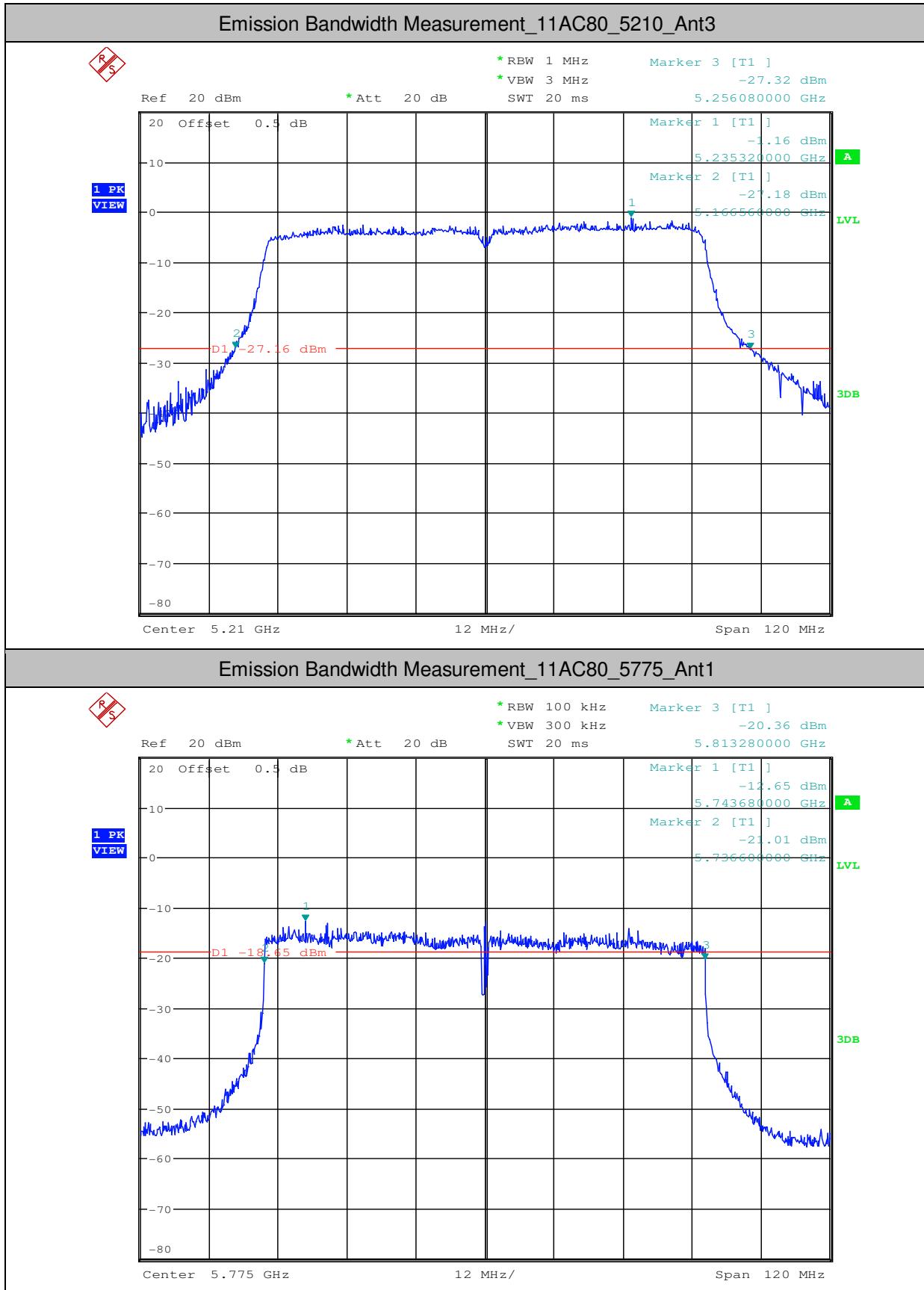


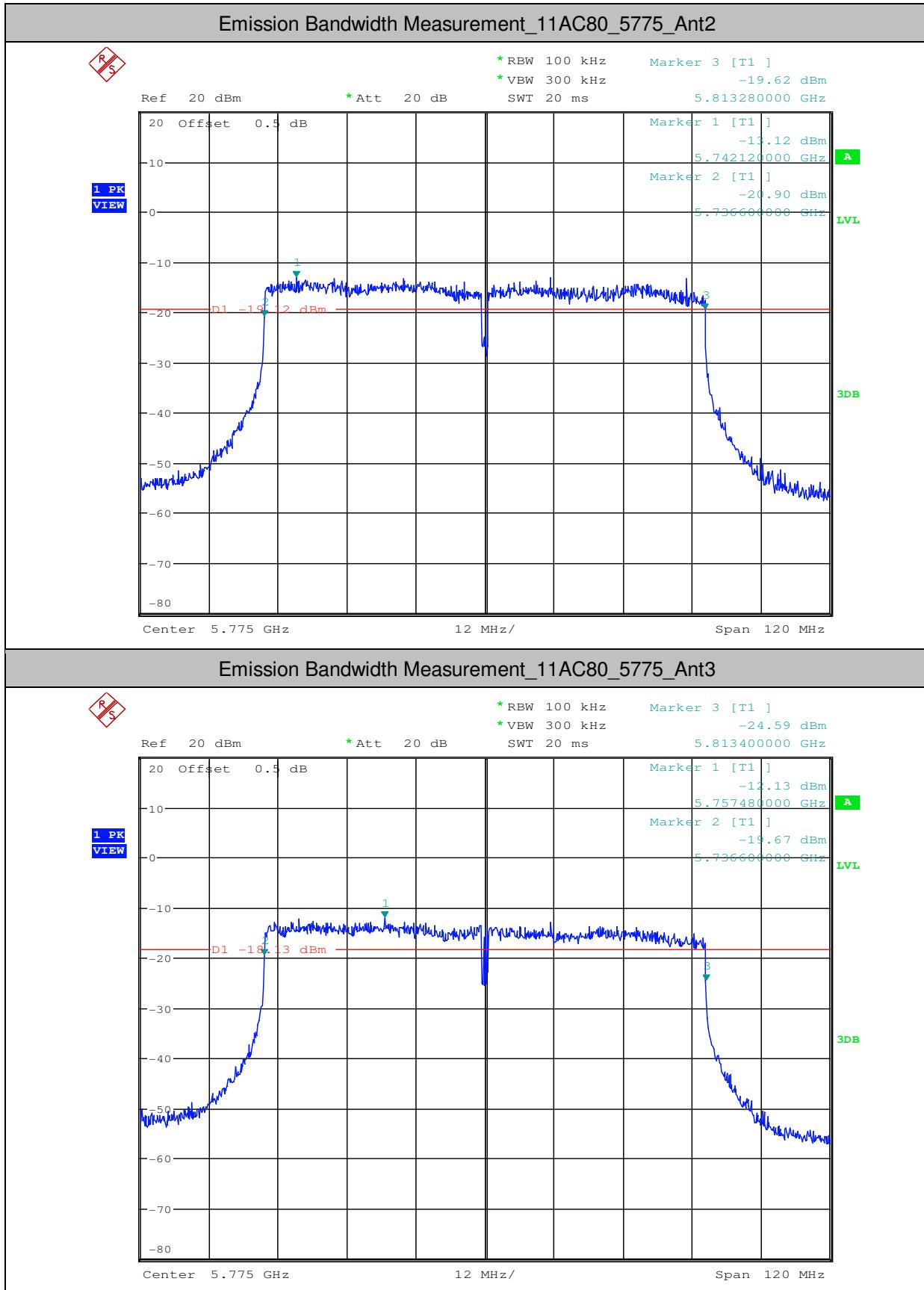










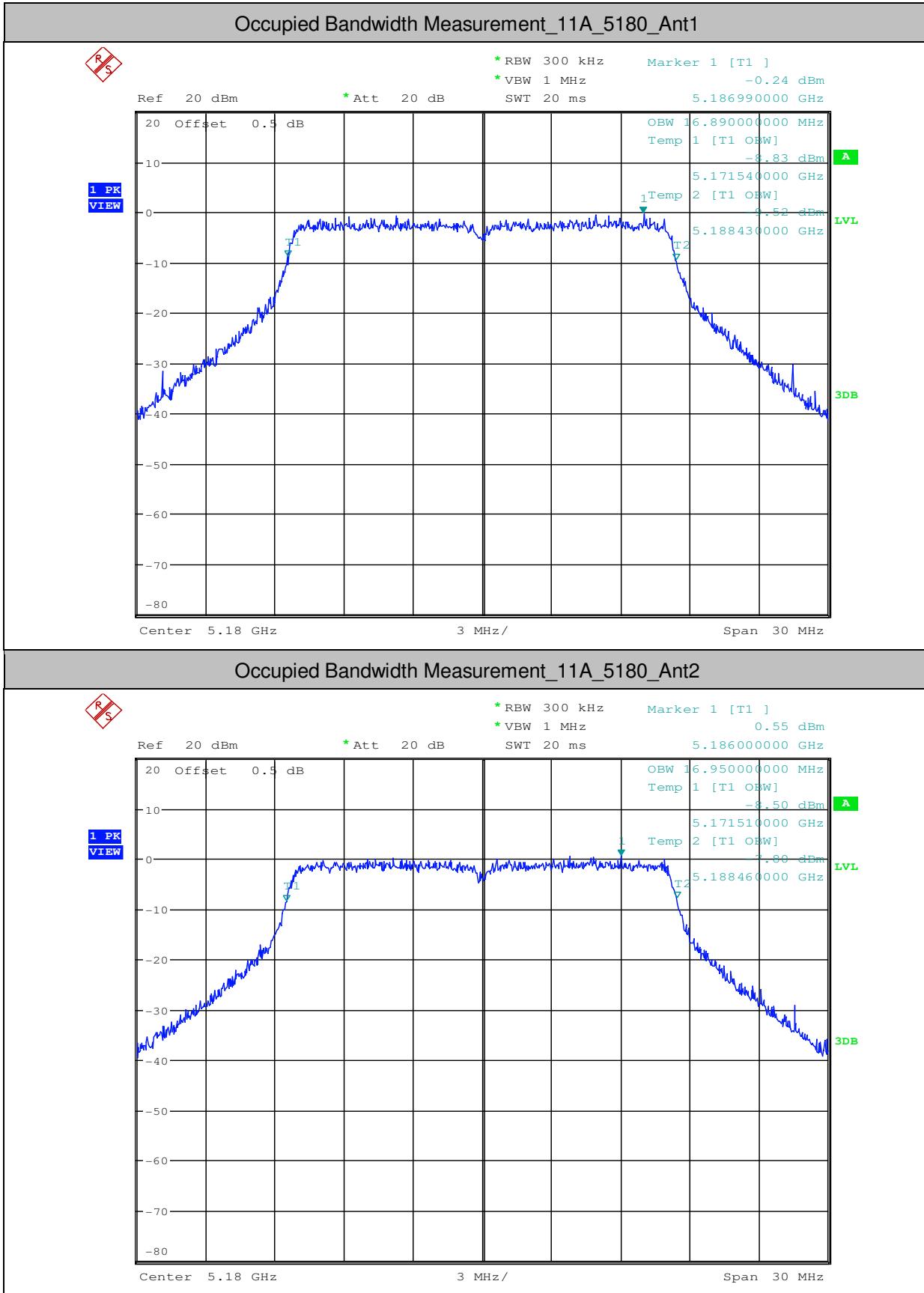


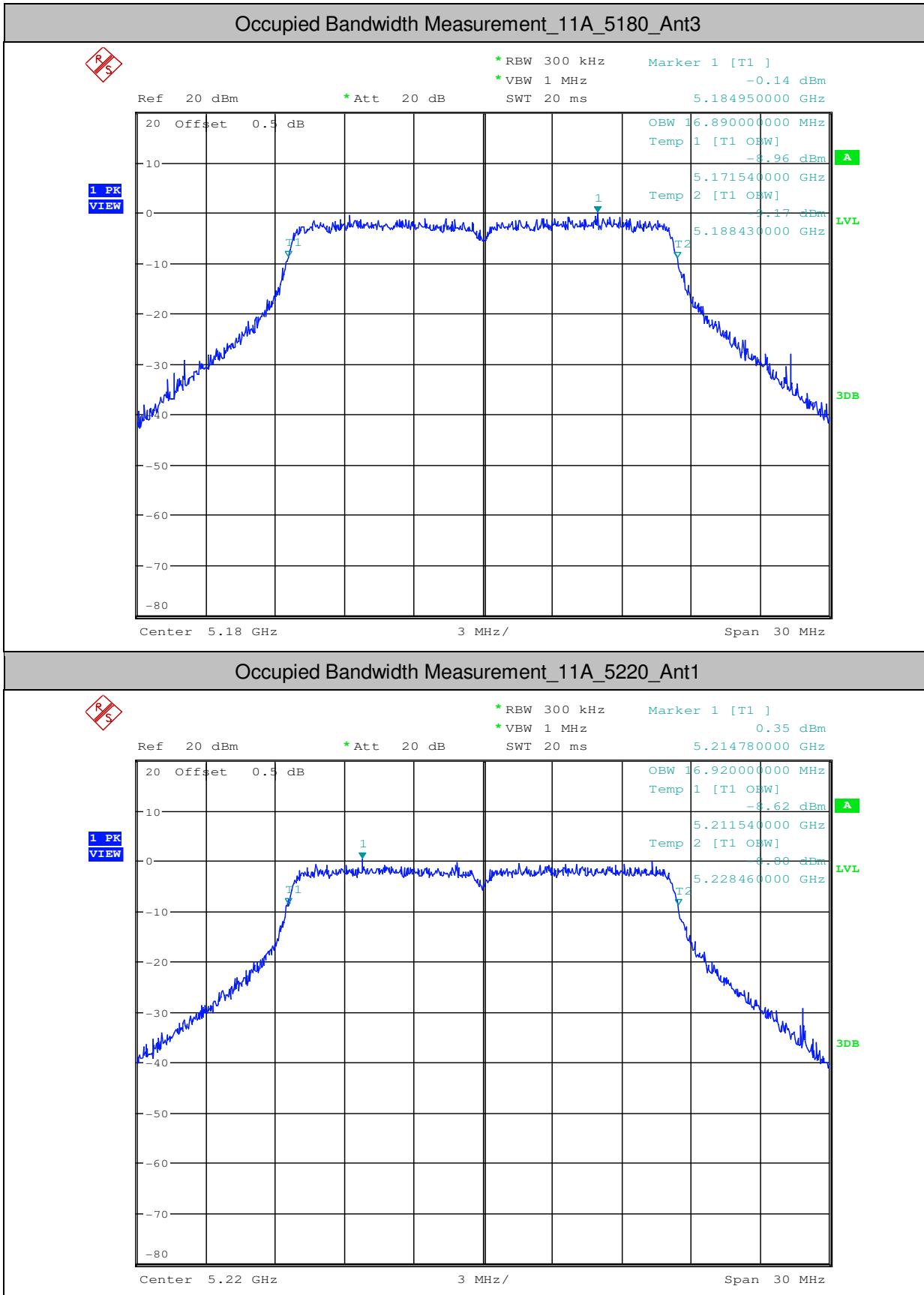
**2.Occupied Bandwidth Measurement**

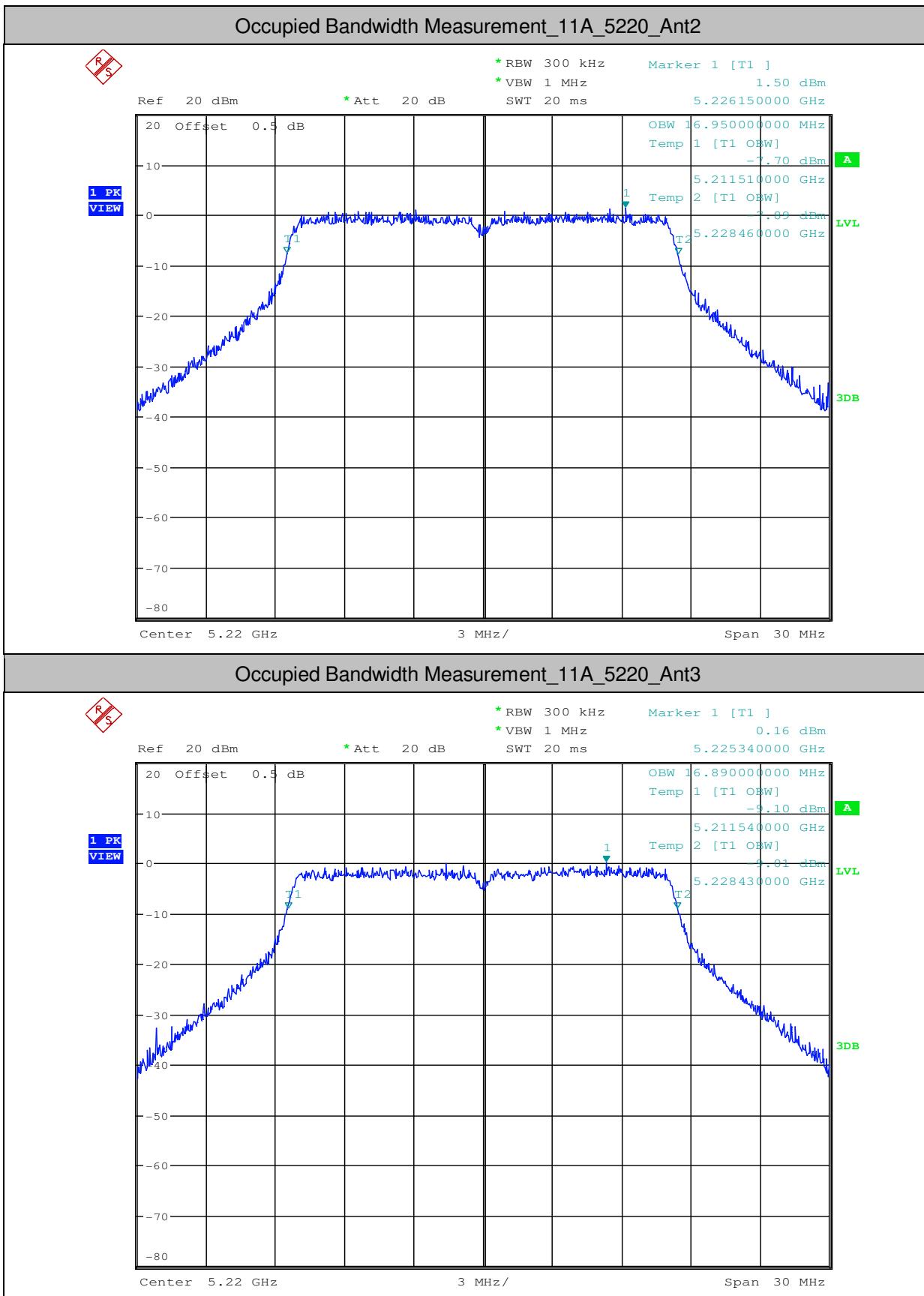
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	16.890	---	PASS
11A	5180	Ant2	16.950	---	PASS
11A	5180	Ant3	16.890	---	PASS
11A	5220	Ant1	16.920	---	PASS
11A	5220	Ant2	16.950	---	PASS
11A	5220	Ant3	16.890	---	PASS
11A	5240	Ant1	16.890	---	PASS
11A	5240	Ant2	16.920	---	PASS
11A	5240	Ant3	16.920	---	PASS
11A	5745	Ant1	16.920	---	PASS
11A	5745	Ant2	16.920	---	PASS
11A	5745	Ant3	16.950	---	PASS
11A	5785	Ant1	16.950	---	PASS
11A	5785	Ant2	16.950	---	PASS
11A	5785	Ant3	16.980	---	PASS
11A	5825	Ant1	16.920	---	PASS
11A	5825	Ant2	16.950	---	PASS
11A	5825	Ant3	16.950	---	PASS
11N20	5180	Ant1	18.060	---	PASS
11N20	5180	Ant2	18.090	---	PASS
11N20	5180	Ant3	18.060	---	PASS
11N20	5220	Ant1	18.060	---	PASS
11N20	5220	Ant2	18.090	---	PASS
11N20	5220	Ant3	18.060	---	PASS
11N20	5240	Ant1	18.030	---	PASS
11N20	5240	Ant2	18.090	---	PASS
11N20	5240	Ant3	18.060	---	PASS
11N20	5745	Ant1	18.090	---	PASS
11N20	5745	Ant2	18.120	---	PASS
11N20	5745	Ant3	18.090	---	PASS
11N20	5785	Ant1	18.060	---	PASS
11N20	5785	Ant2	18.120	---	PASS

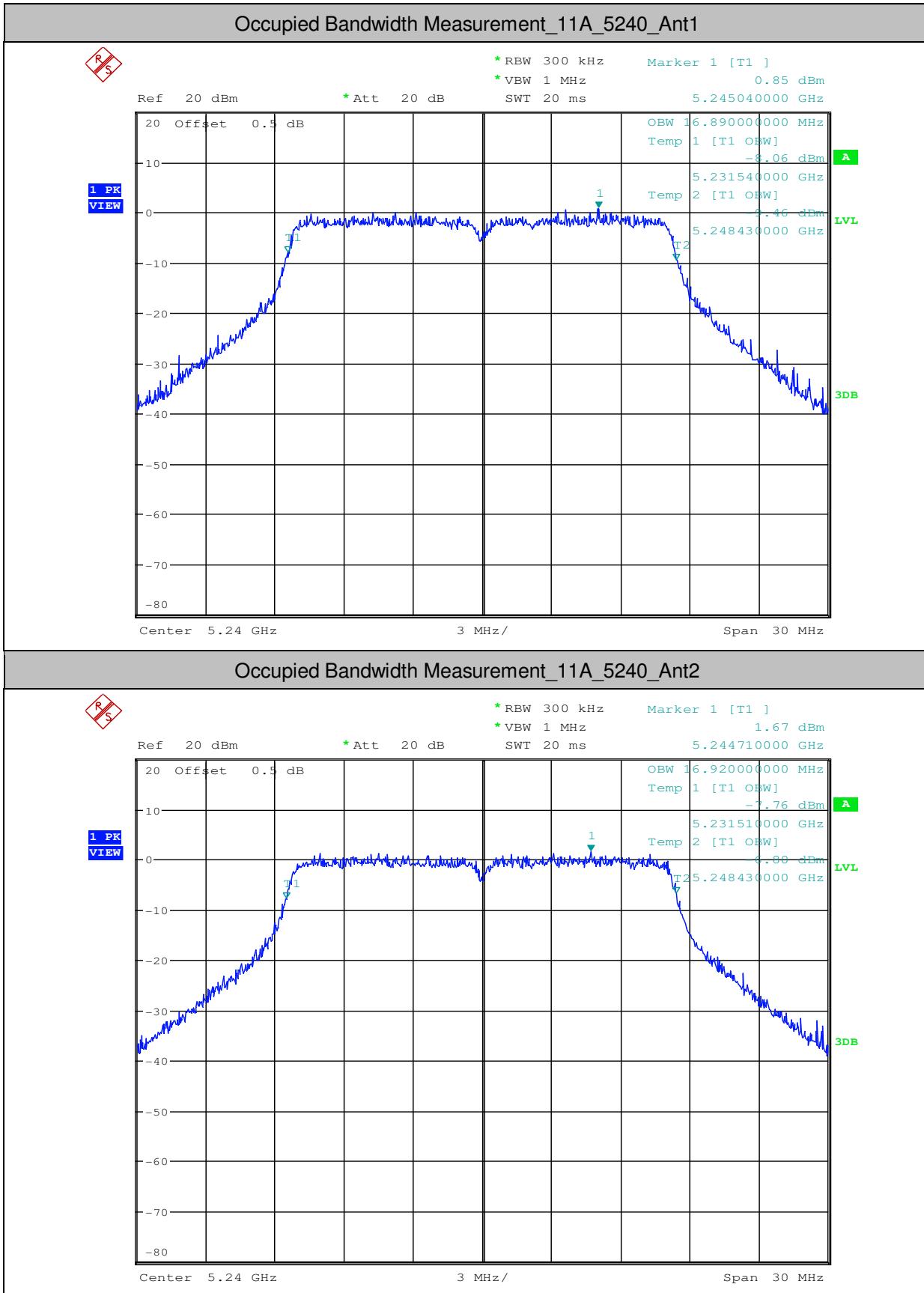
11N20	5785	Ant3	18.090	---	PASS
11N20	5825	Ant1	18.090	---	PASS
11N20	5825	Ant2	18.120	---	PASS
11N20	5825	Ant3	18.060	---	PASS
11N40	5190	Ant1	36.600	---	PASS
11N40	5190	Ant2	36.600	---	PASS
11N40	5190	Ant3	36.540	---	PASS
11N40	5230	Ant1	36.600	---	PASS
11N40	5230	Ant2	36.600	---	PASS
11N40	5230	Ant3	36.660	---	PASS
11N40	5755	Ant1	36.780	---	PASS
11N40	5755	Ant2	36.720	---	PASS
11N40	5755	Ant3	36.720	---	PASS
11N40	5795	Ant1	36.720	---	PASS
11N40	5795	Ant2	36.720	---	PASS
11N40	5795	Ant3	36.660	---	PASS
11AC20	5180	Ant1	18.060	---	PASS
11AC20	5180	Ant2	18.090	---	PASS
11AC20	5180	Ant3	18.030	---	PASS
11AC20	5220	Ant1	18.060	---	PASS
11AC20	5220	Ant2	18.090	---	PASS
11AC20	5220	Ant3	18.060	---	PASS
11AC20	5240	Ant1	18.030	---	PASS
11AC20	5240	Ant2	18.090	---	PASS
11AC20	5240	Ant3	18.030	---	PASS
11AC20	5745	Ant1	18.120	---	PASS
11AC20	5745	Ant2	18.150	---	PASS
11AC20	5745	Ant3	18.120	---	PASS
11AC20	5785	Ant1	18.090	---	PASS
11AC20	5785	Ant2	18.120	---	PASS
11AC20	5785	Ant3	18.120	---	PASS
11AC20	5825	Ant1	18.090	---	PASS
11AC20	5825	Ant2	18.090	---	PASS
11AC20	5825	Ant3	18.090	---	PASS

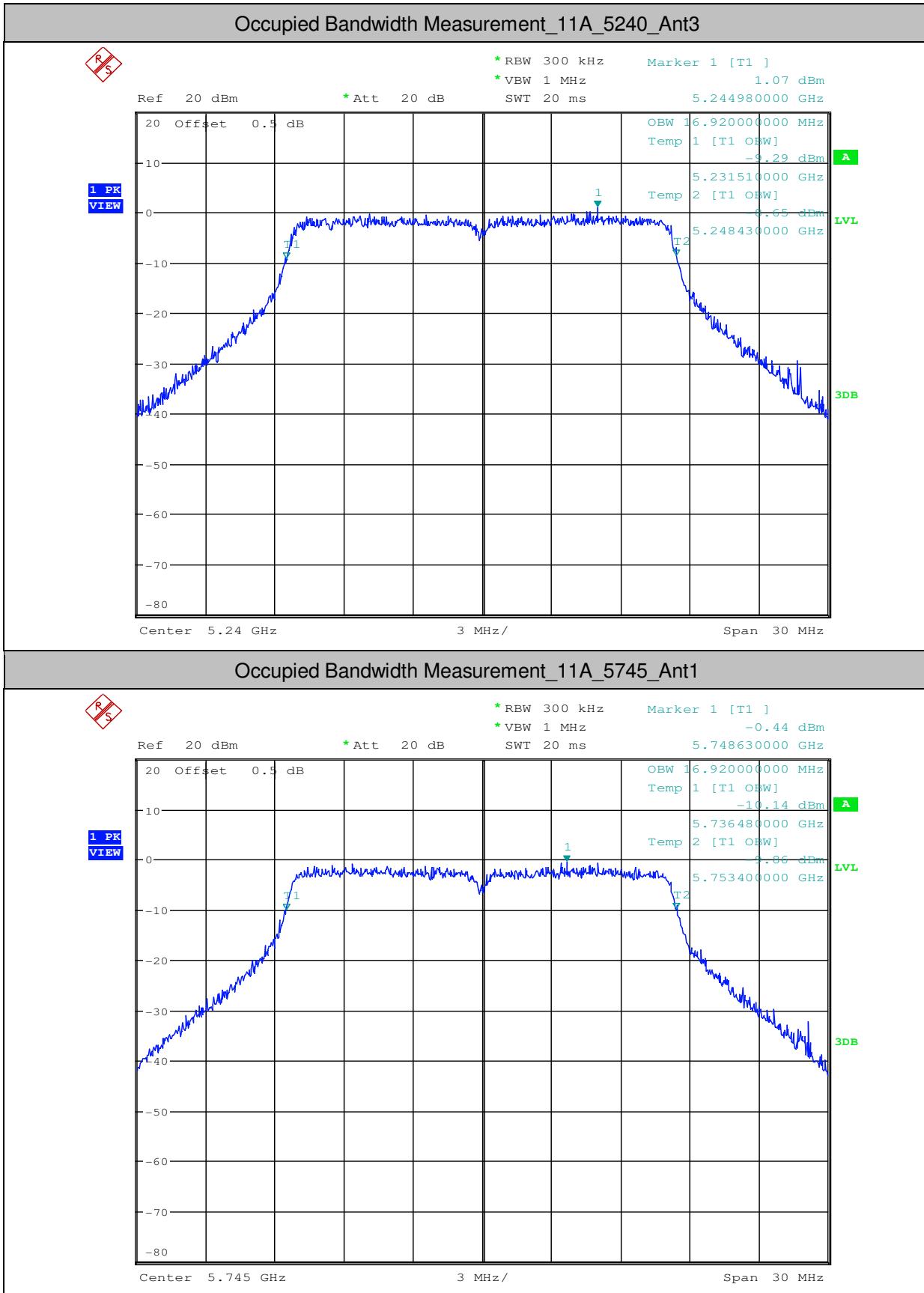
11AC40	5190	Ant1	36.660	---	PASS
11AC40	5190	Ant2	36.660	---	PASS
11AC40	5190	Ant3	36.540	---	PASS
11AC40	5230	Ant1	36.540	---	PASS
11AC40	5230	Ant2	36.600	---	PASS
11AC40	5230	Ant3	36.600	---	PASS
11AC40	5755	Ant1	36.660	---	PASS
11AC40	5755	Ant2	36.780	---	PASS
11AC40	5755	Ant3	36.720	---	PASS
11AC40	5795	Ant1	36.720	---	PASS
11AC40	5795	Ant2	36.720	---	PASS
11AC40	5795	Ant3	36.720	---	PASS
11AC80	5210	Ant1	76.200	---	PASS
11AC80	5210	Ant2	76.320	---	PASS
11AC80	5210	Ant3	76.320	---	PASS
11AC80	5775	Ant1	76.440	---	PASS
11AC80	5775	Ant2	76.320	---	PASS
11AC80	5775	Ant3	76.200	---	PASS

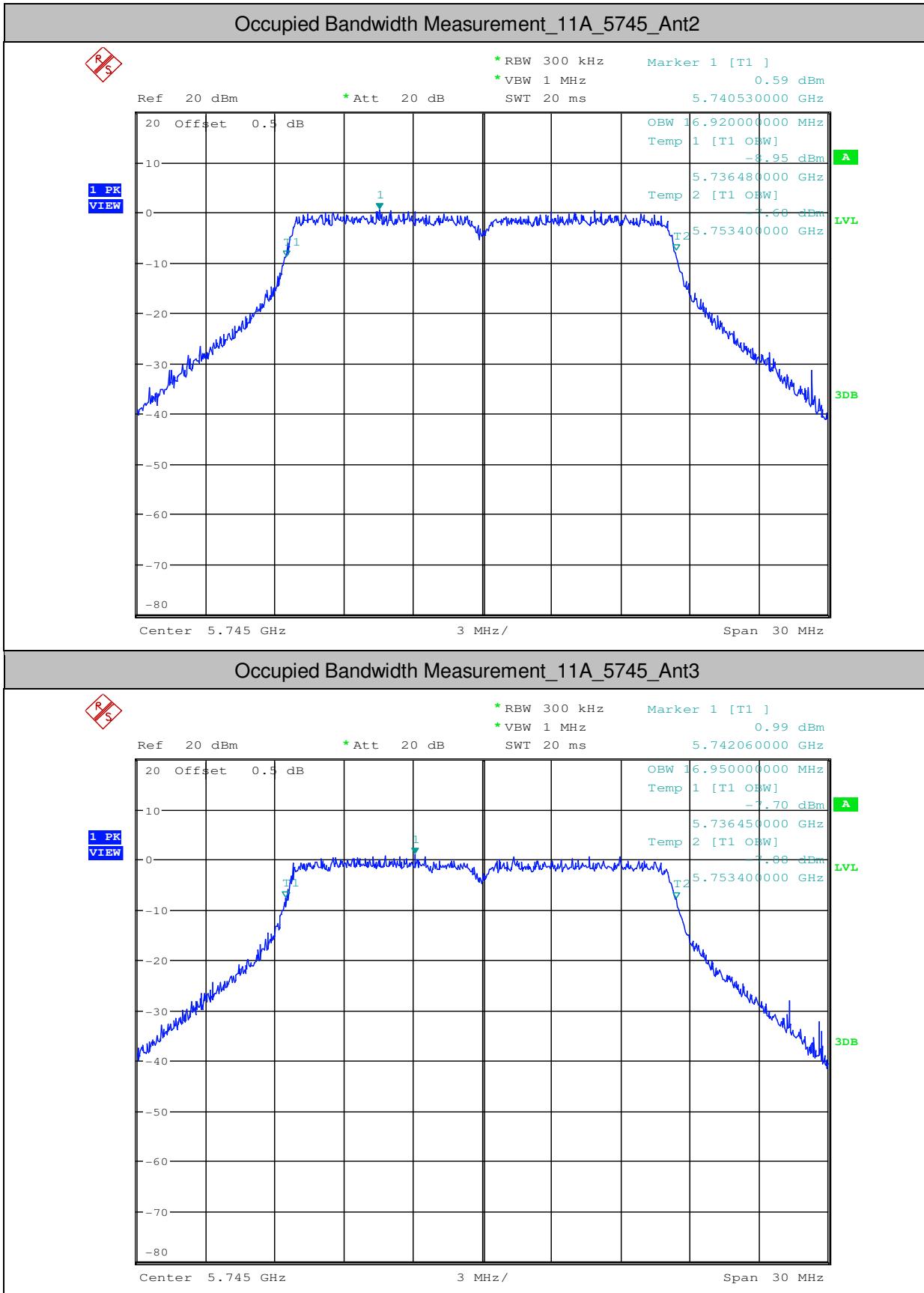


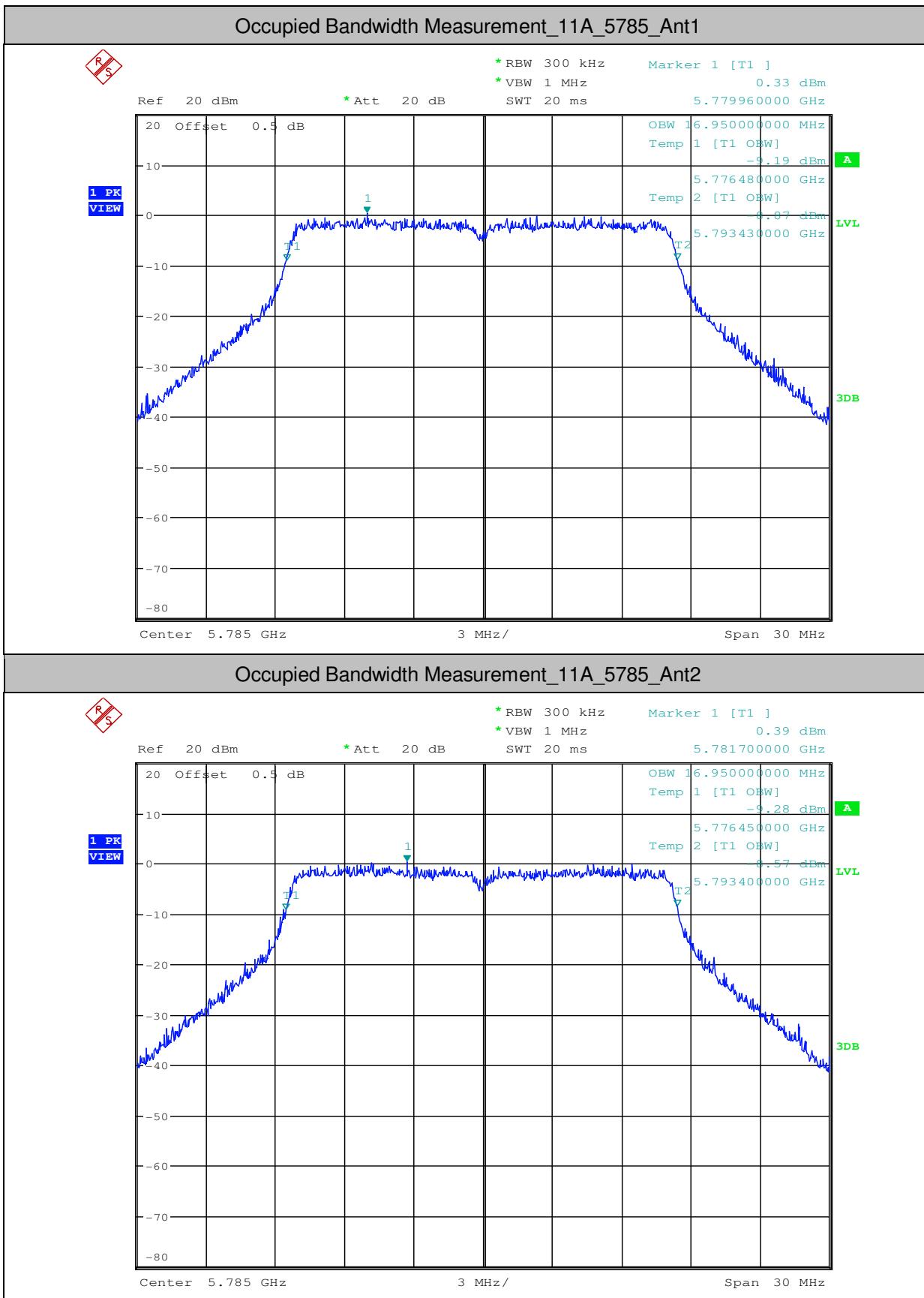


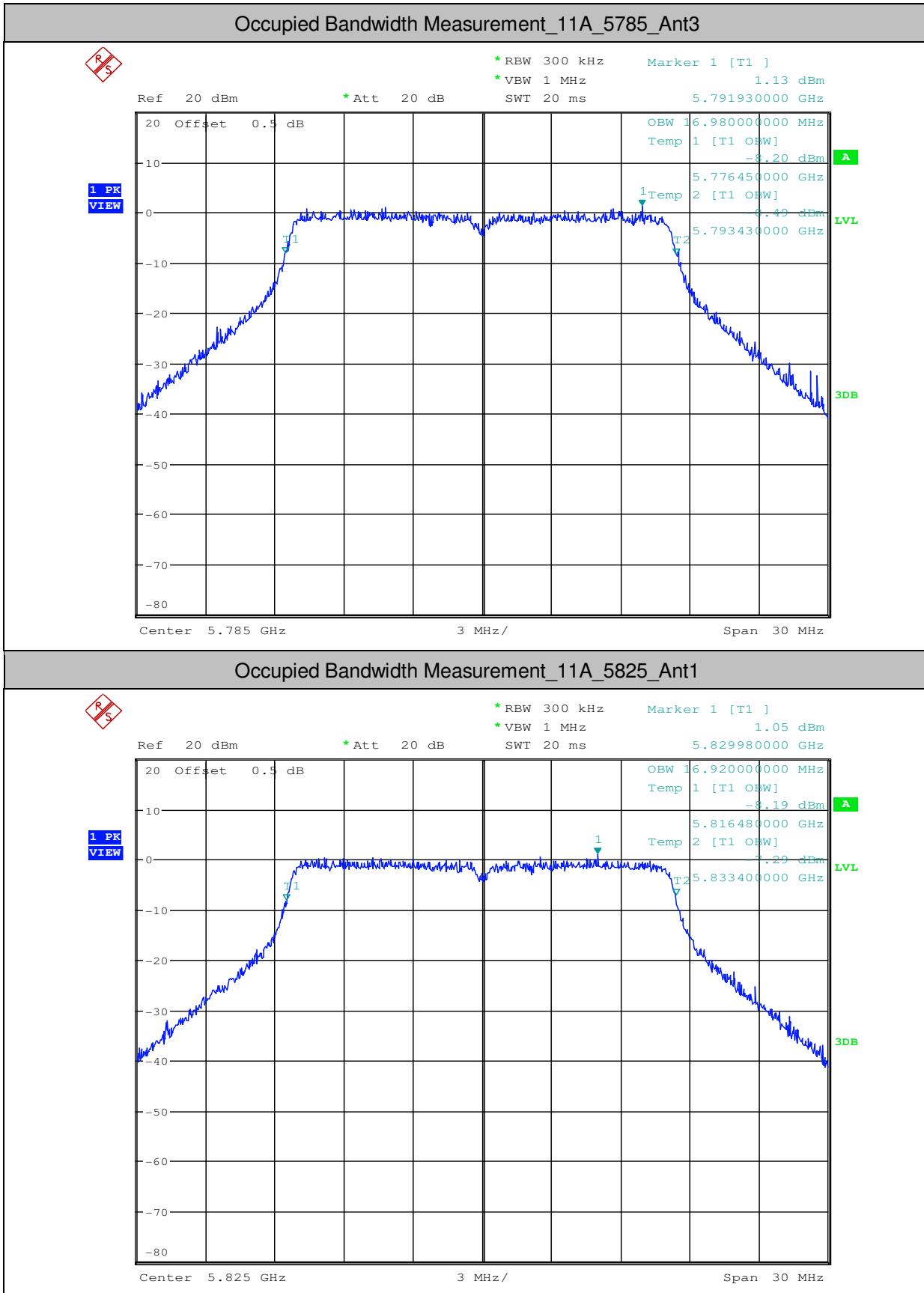


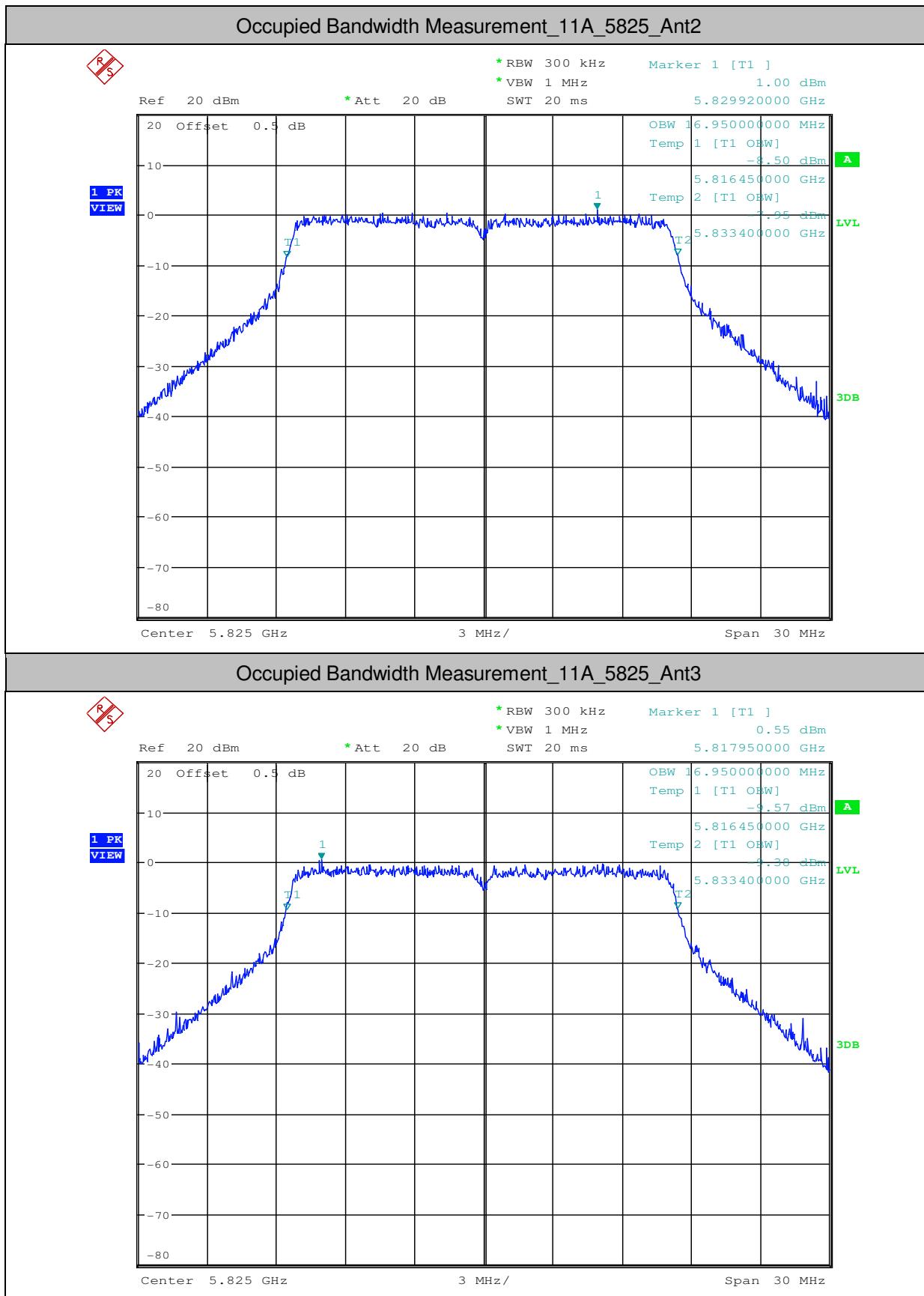


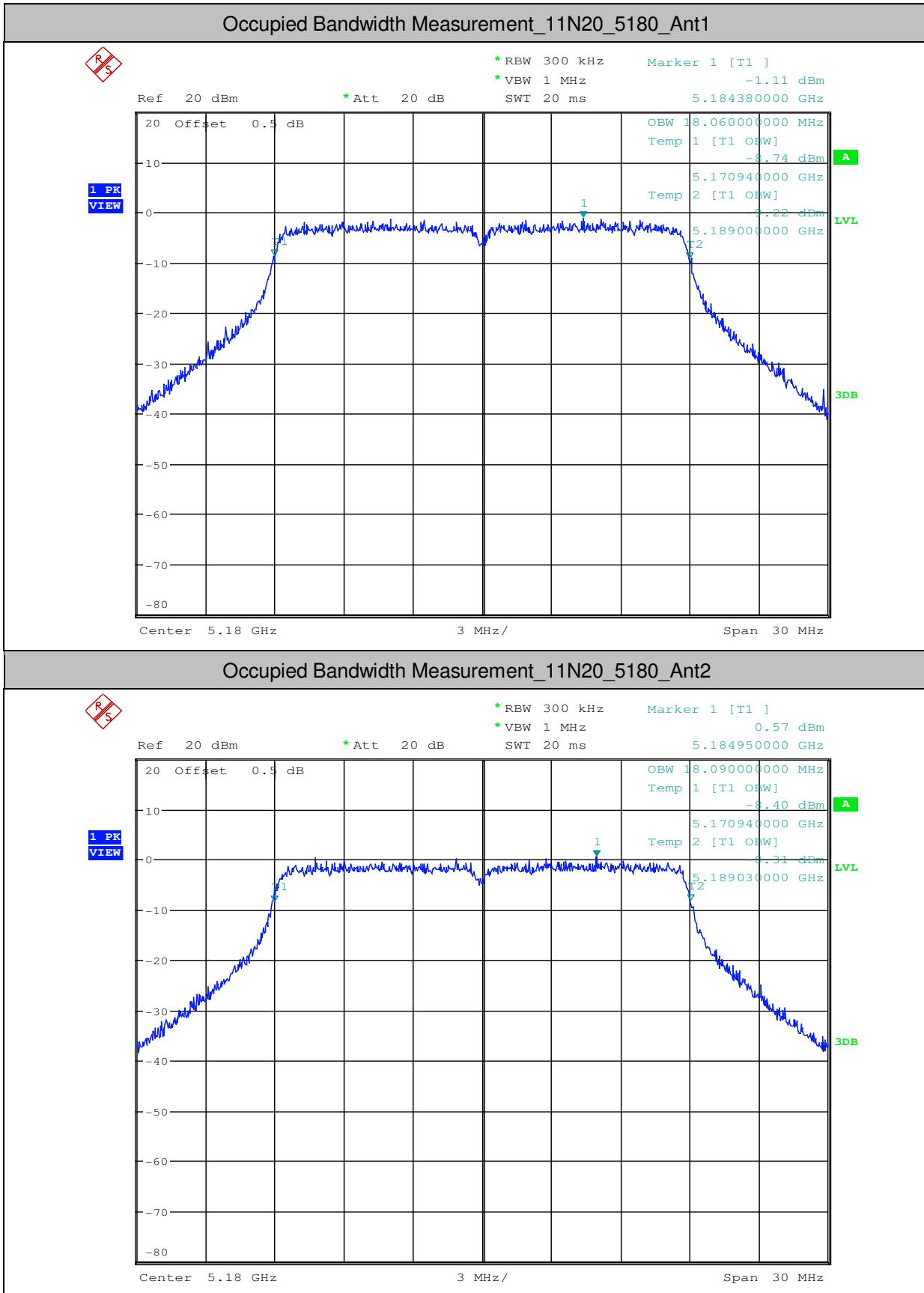




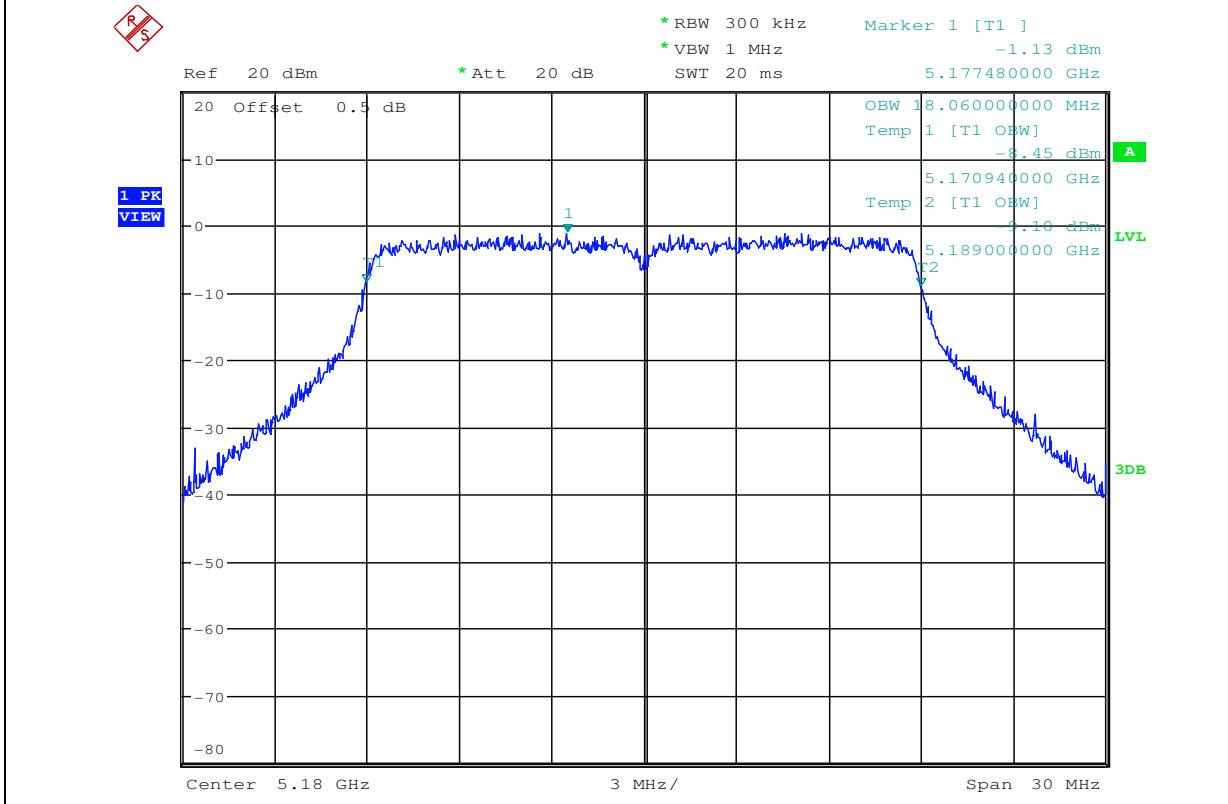




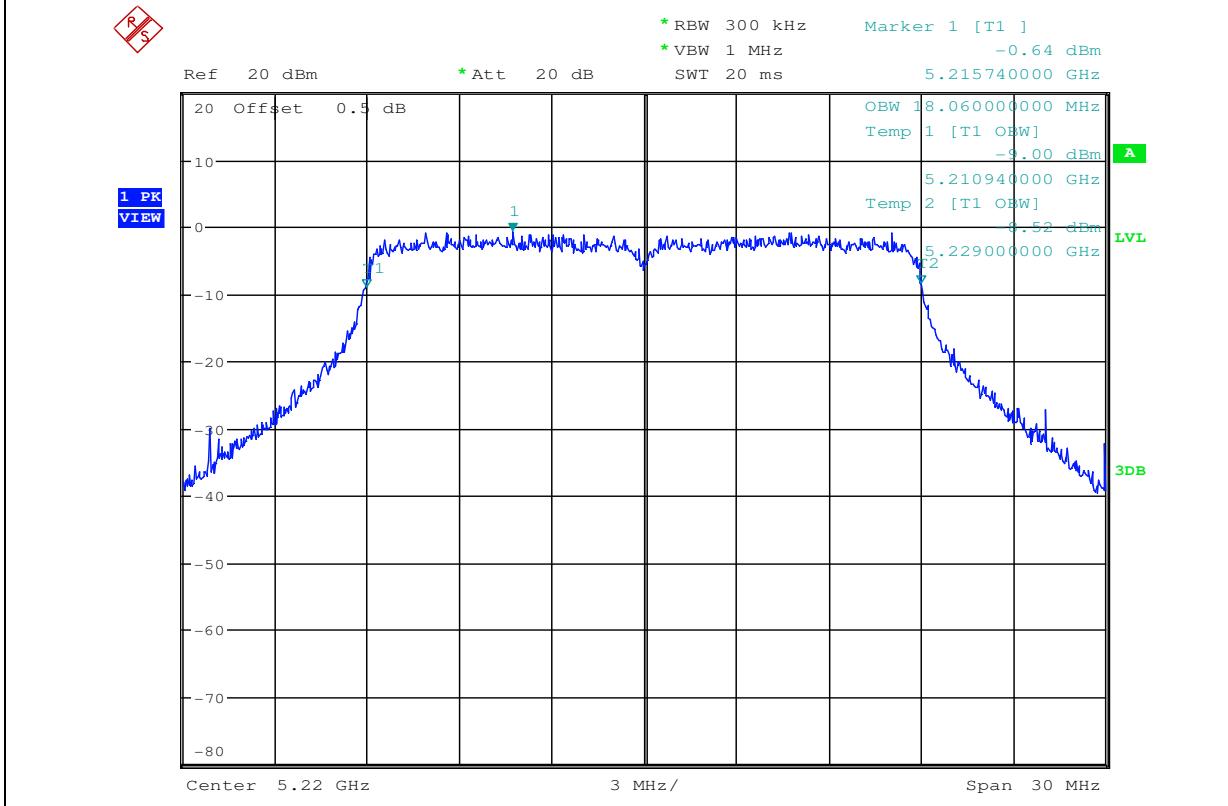


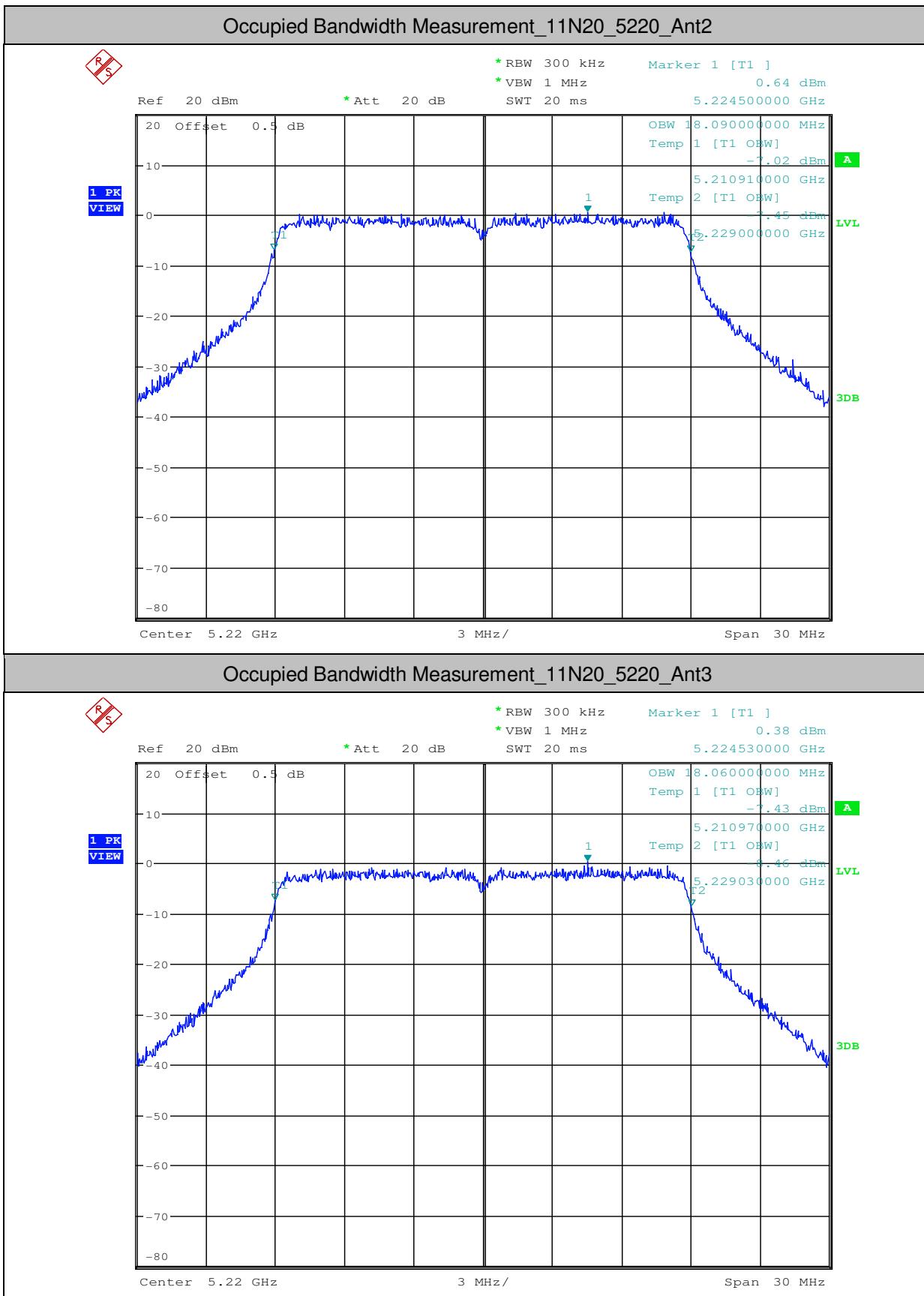


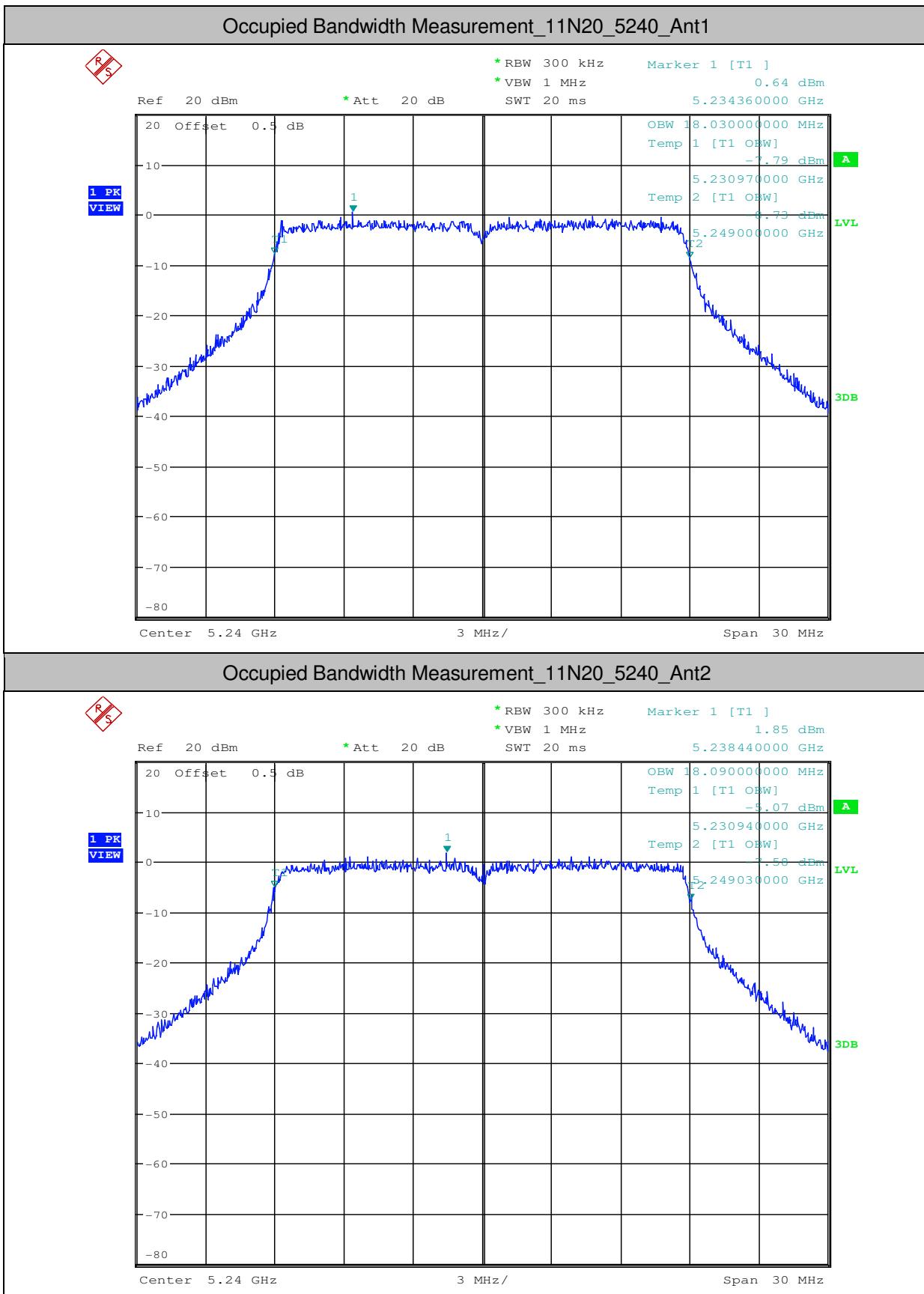
Occupied Bandwidth Measurement\_11N20\_5180\_Ant3

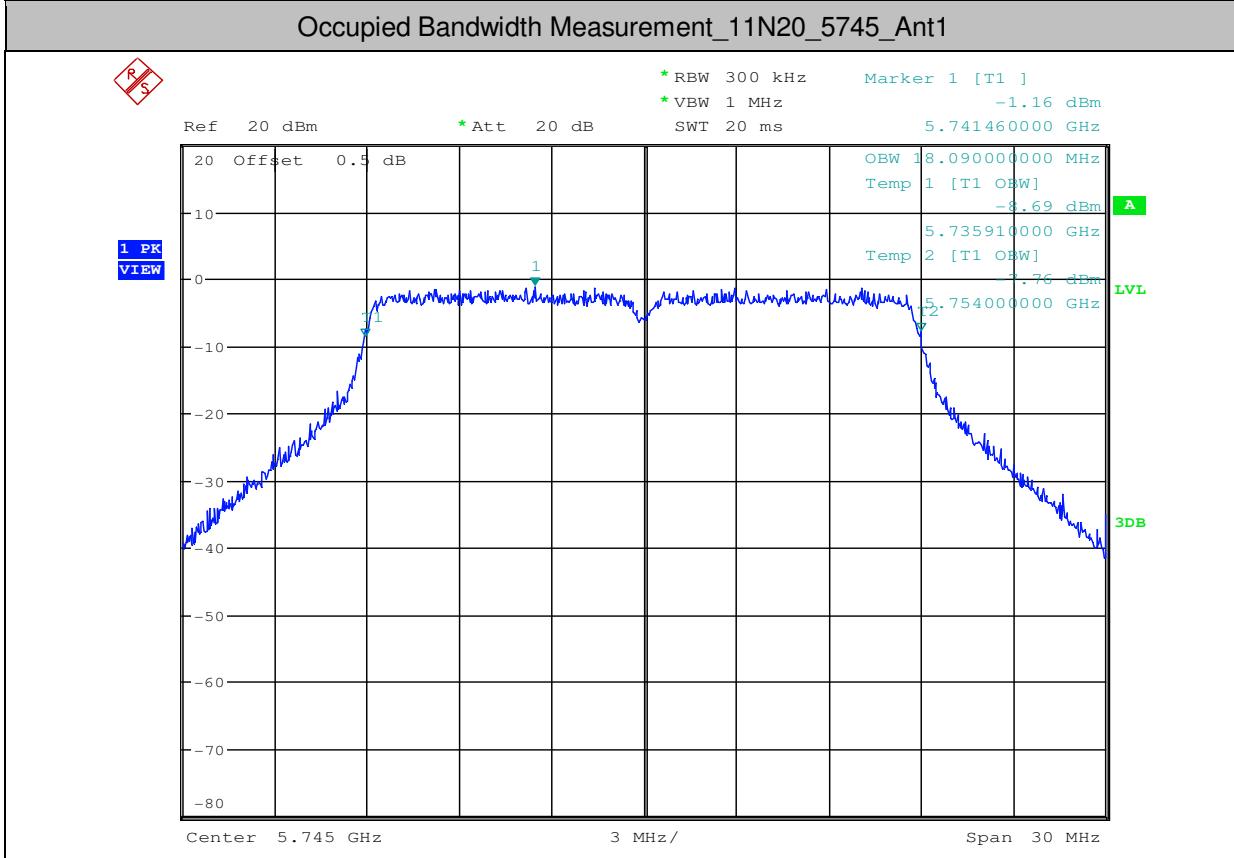
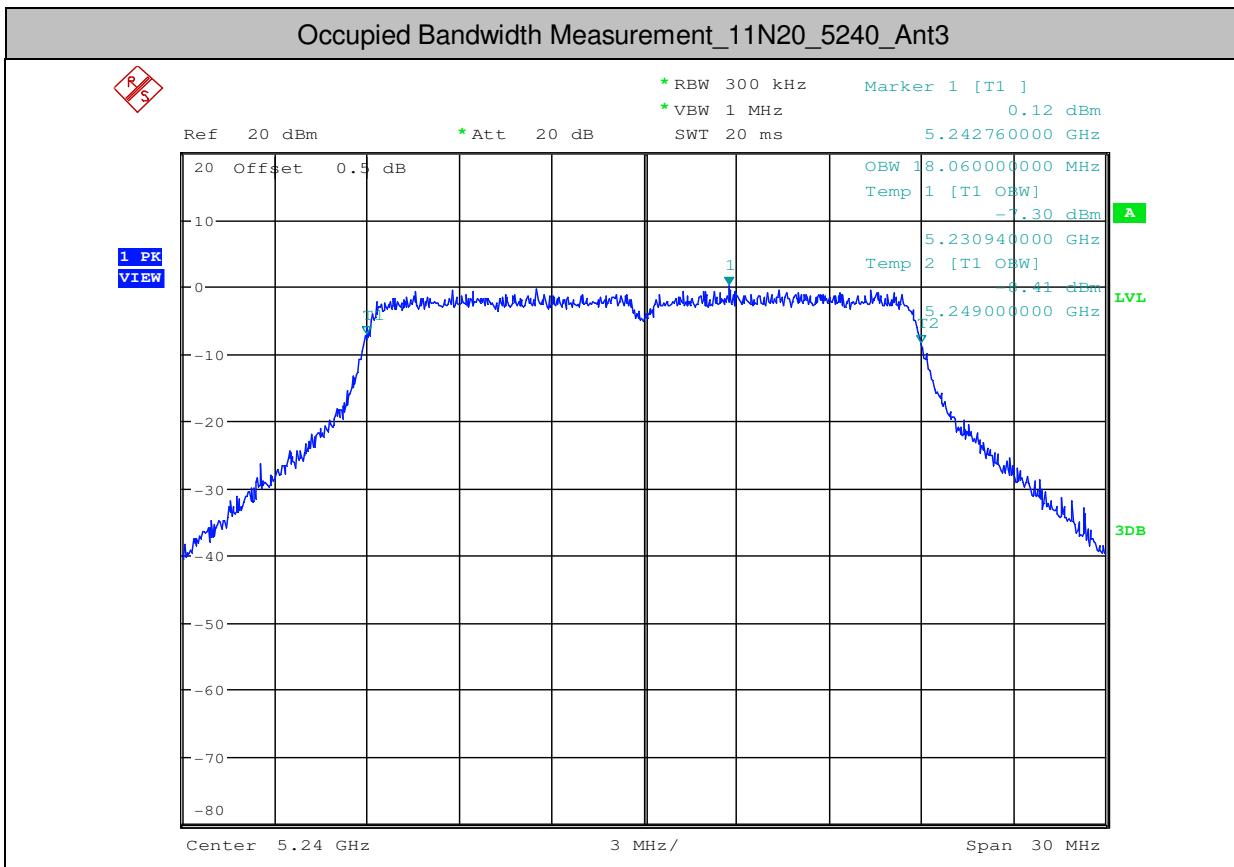


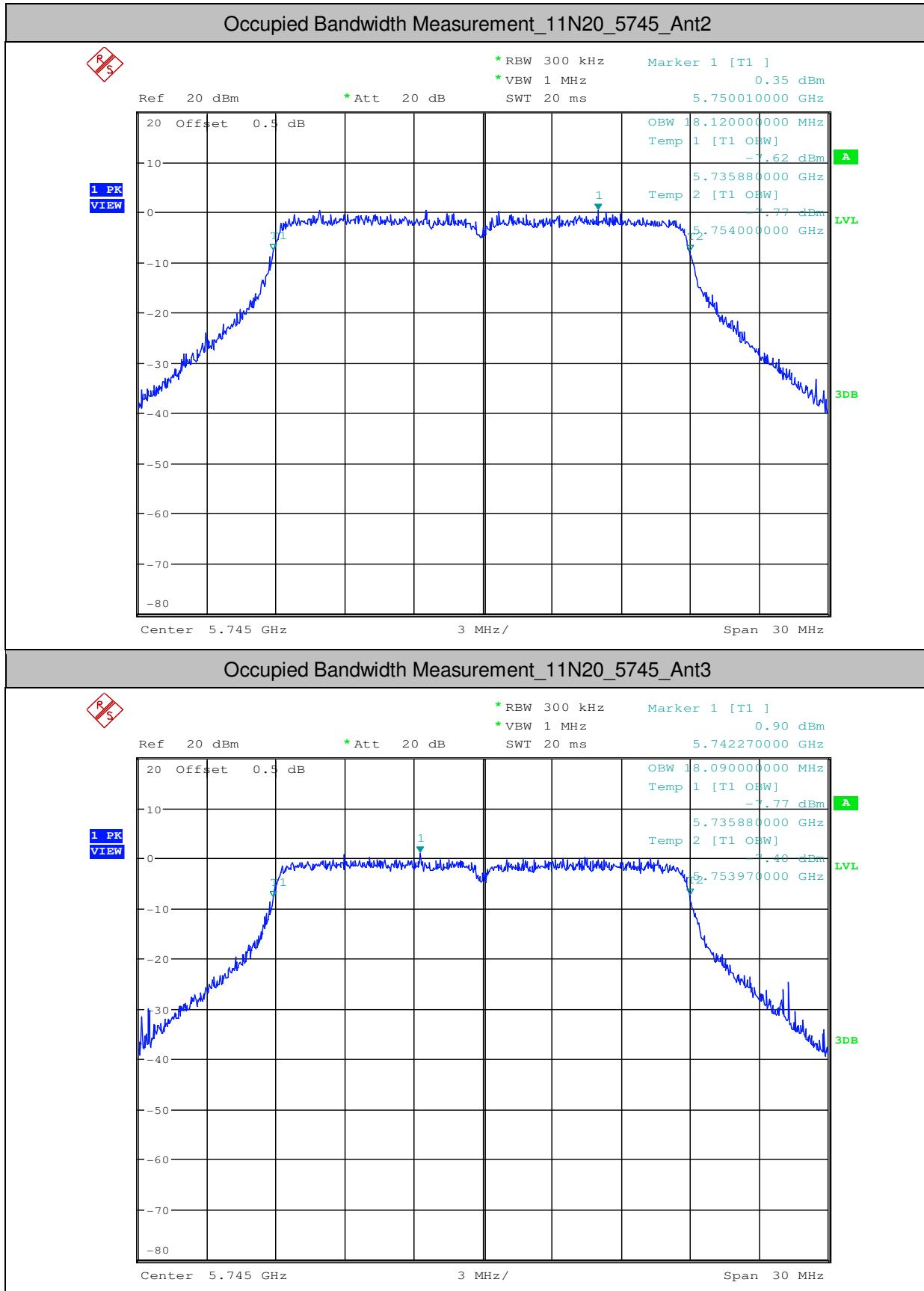
Occupied Bandwidth Measurement\_11N20\_5220\_Ant1

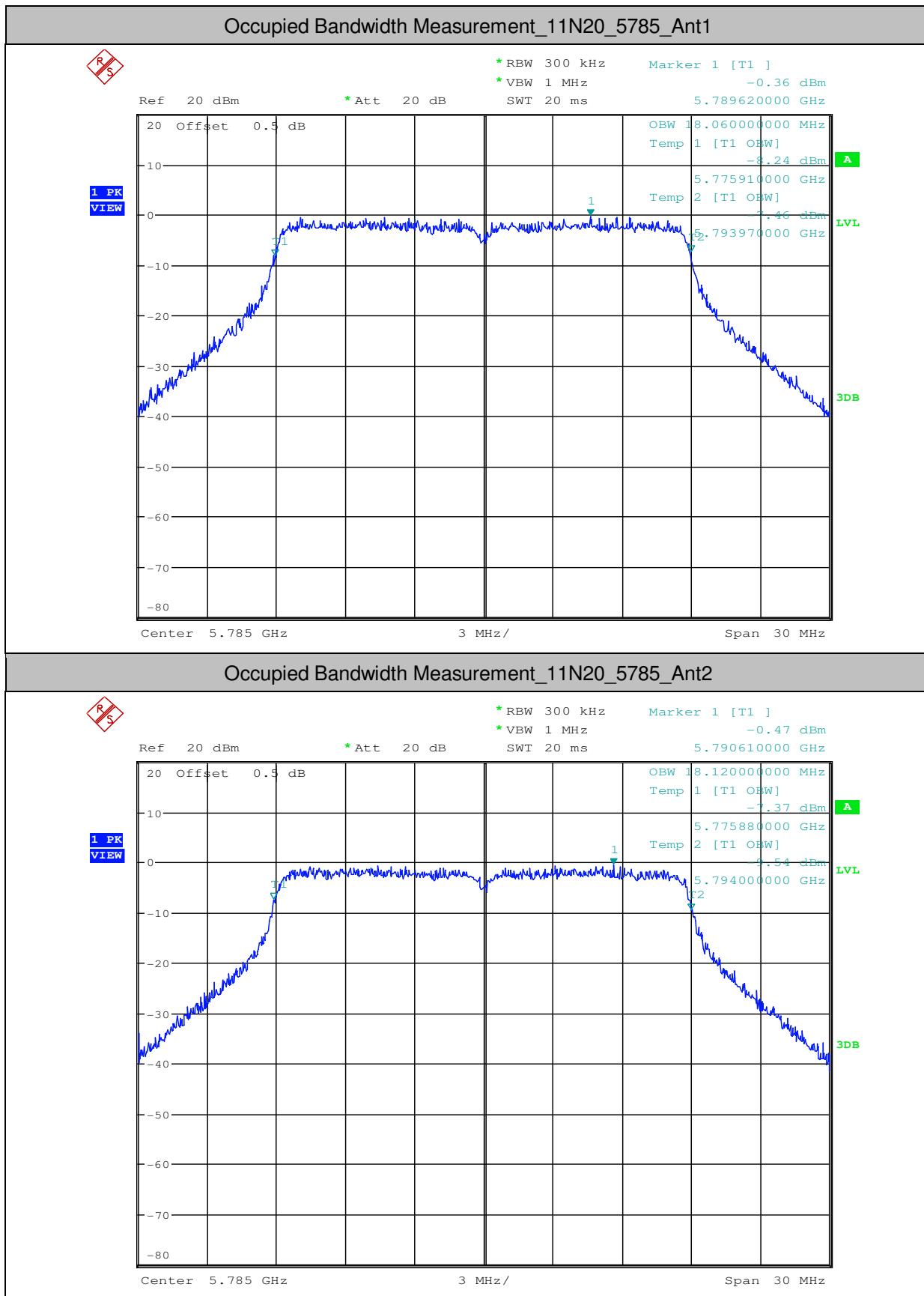


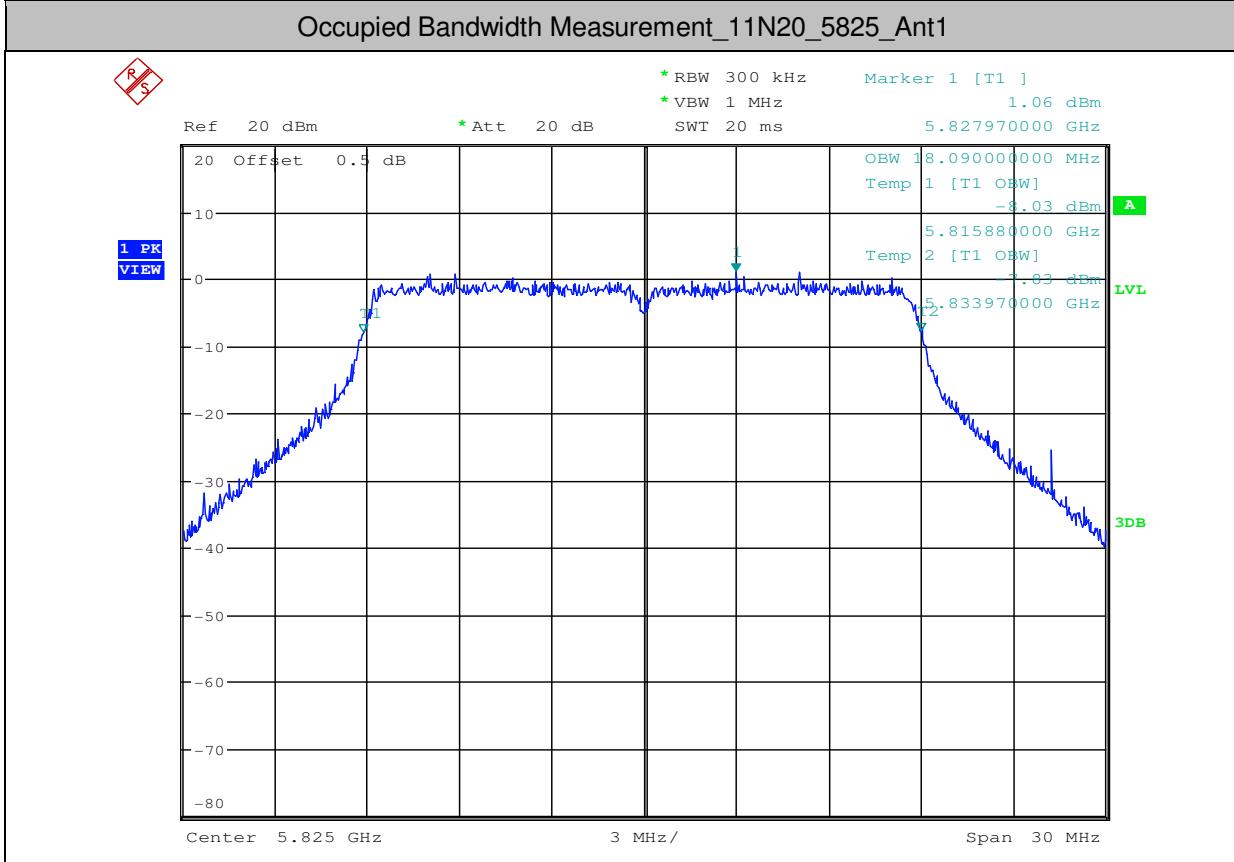
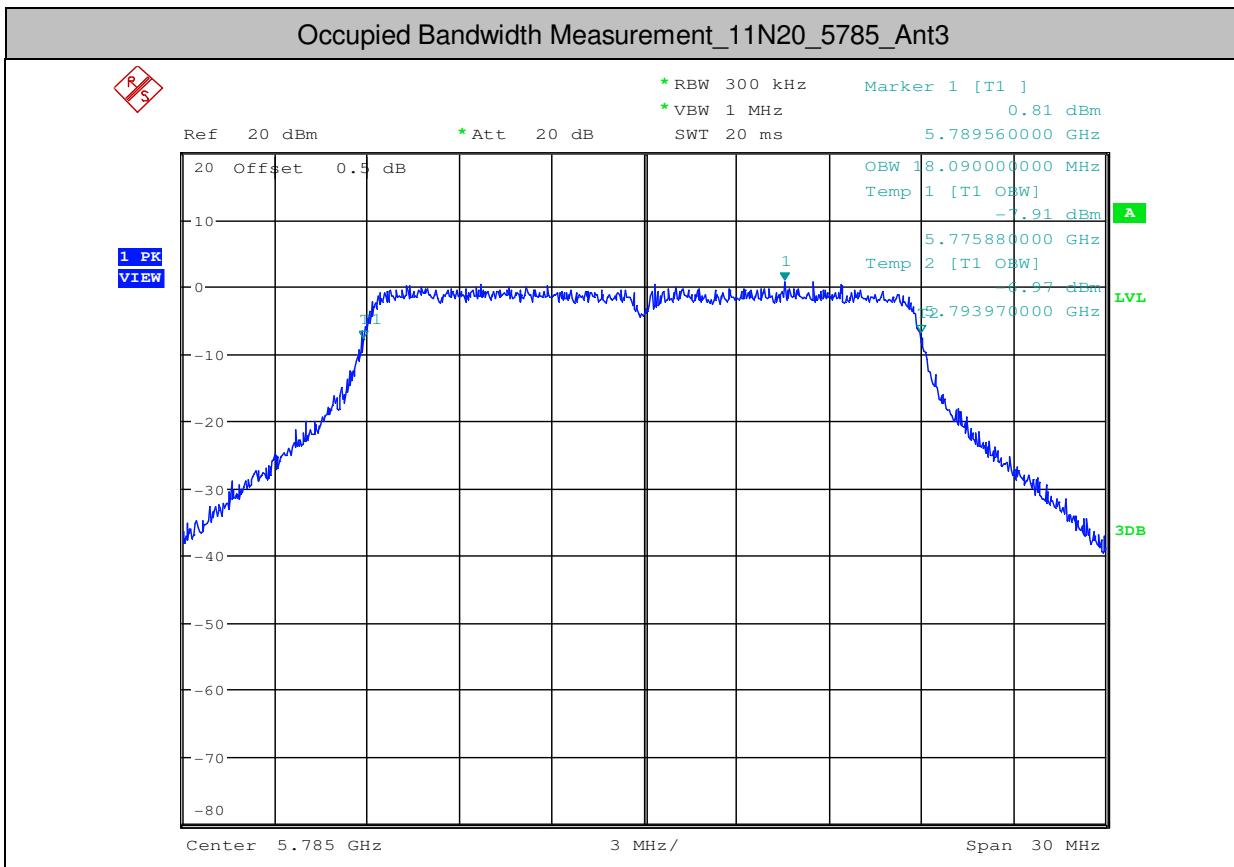


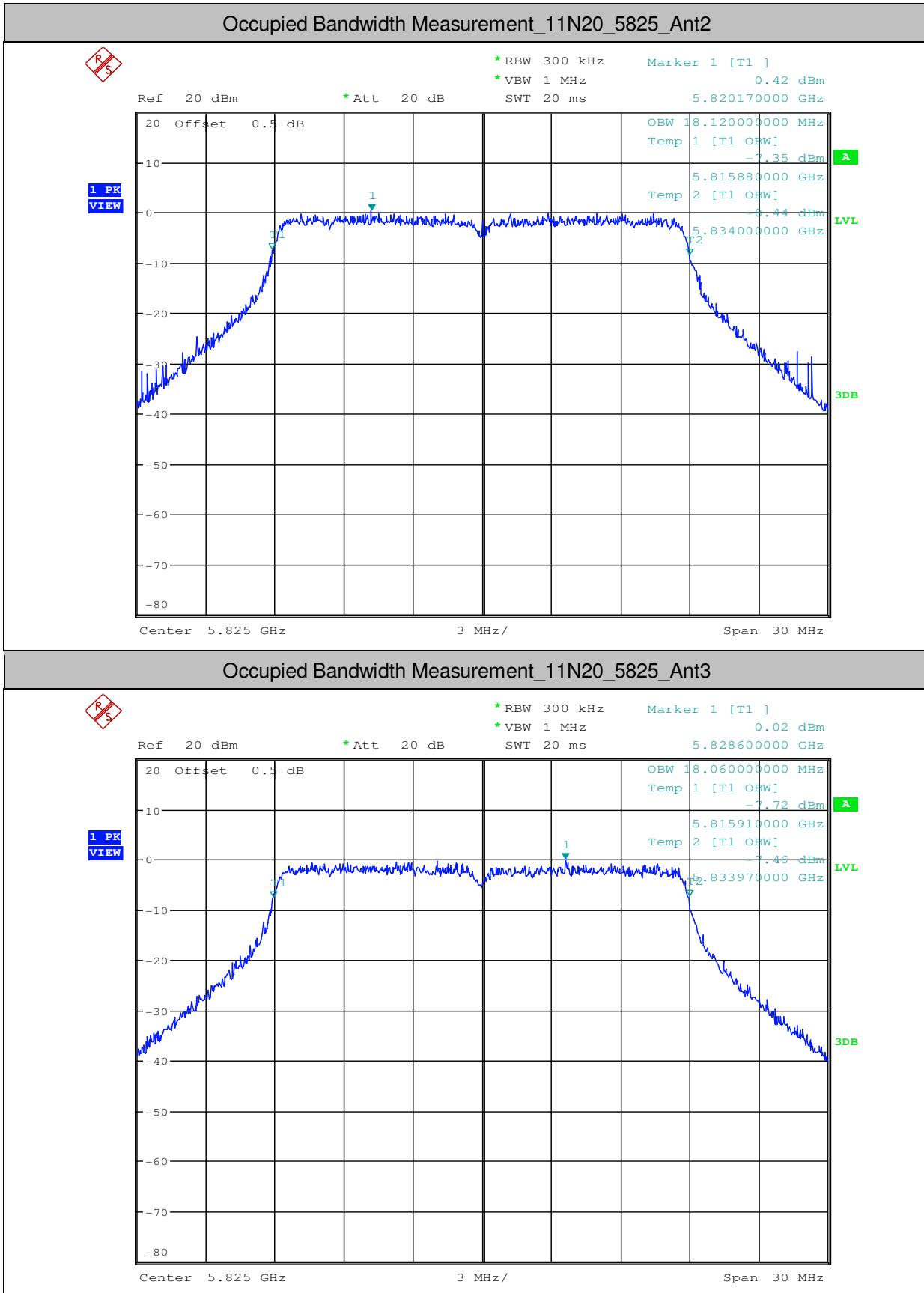


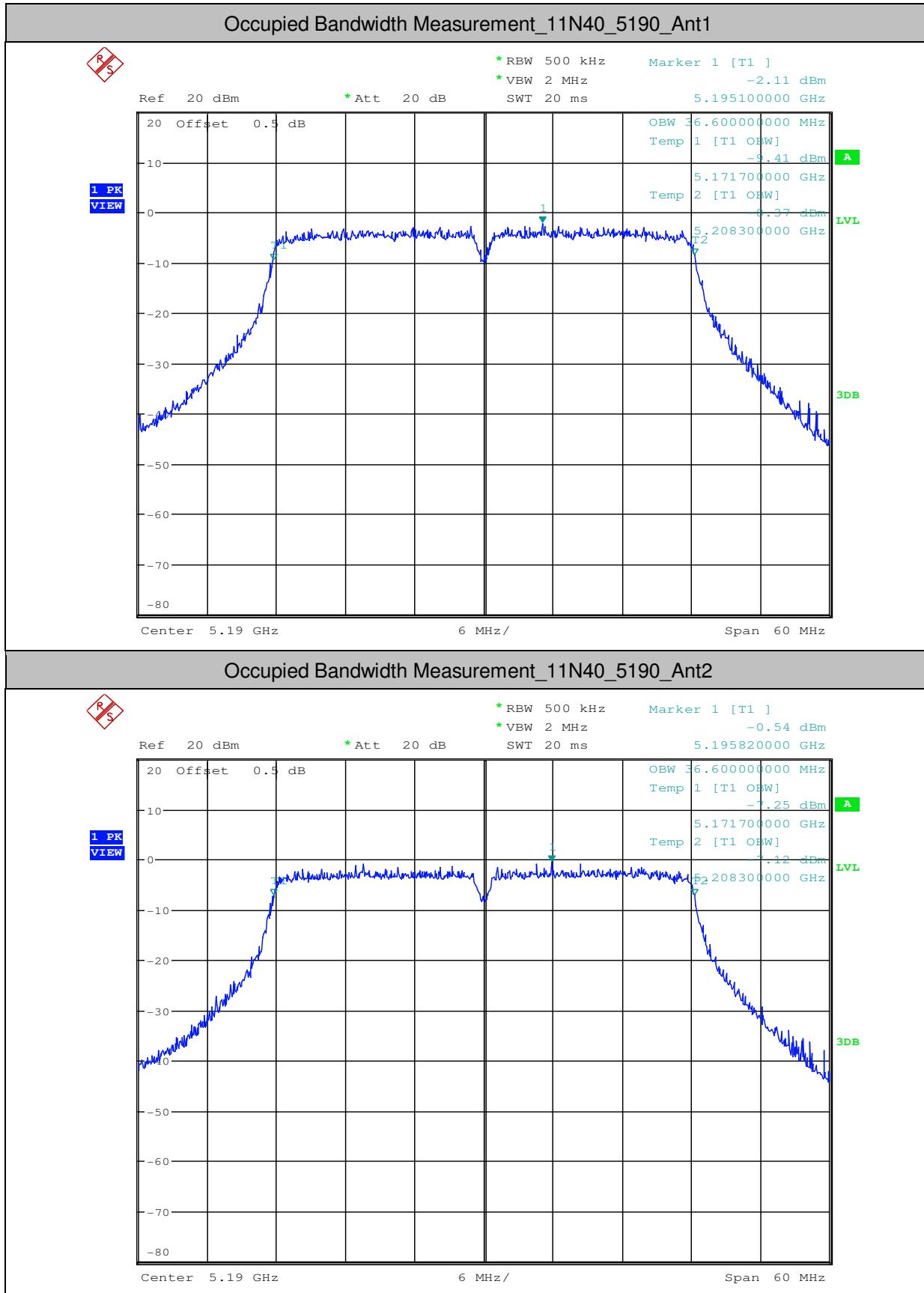


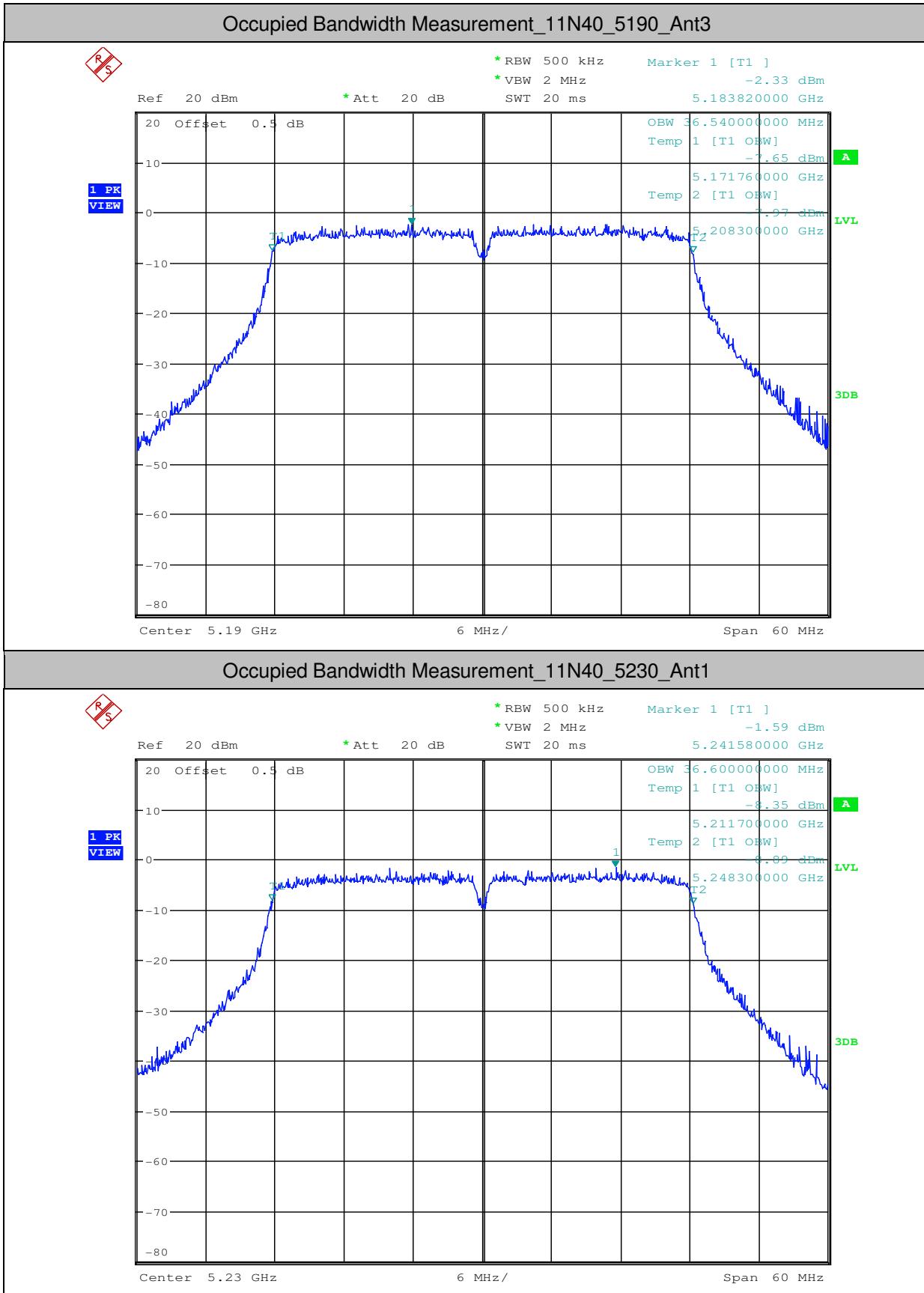


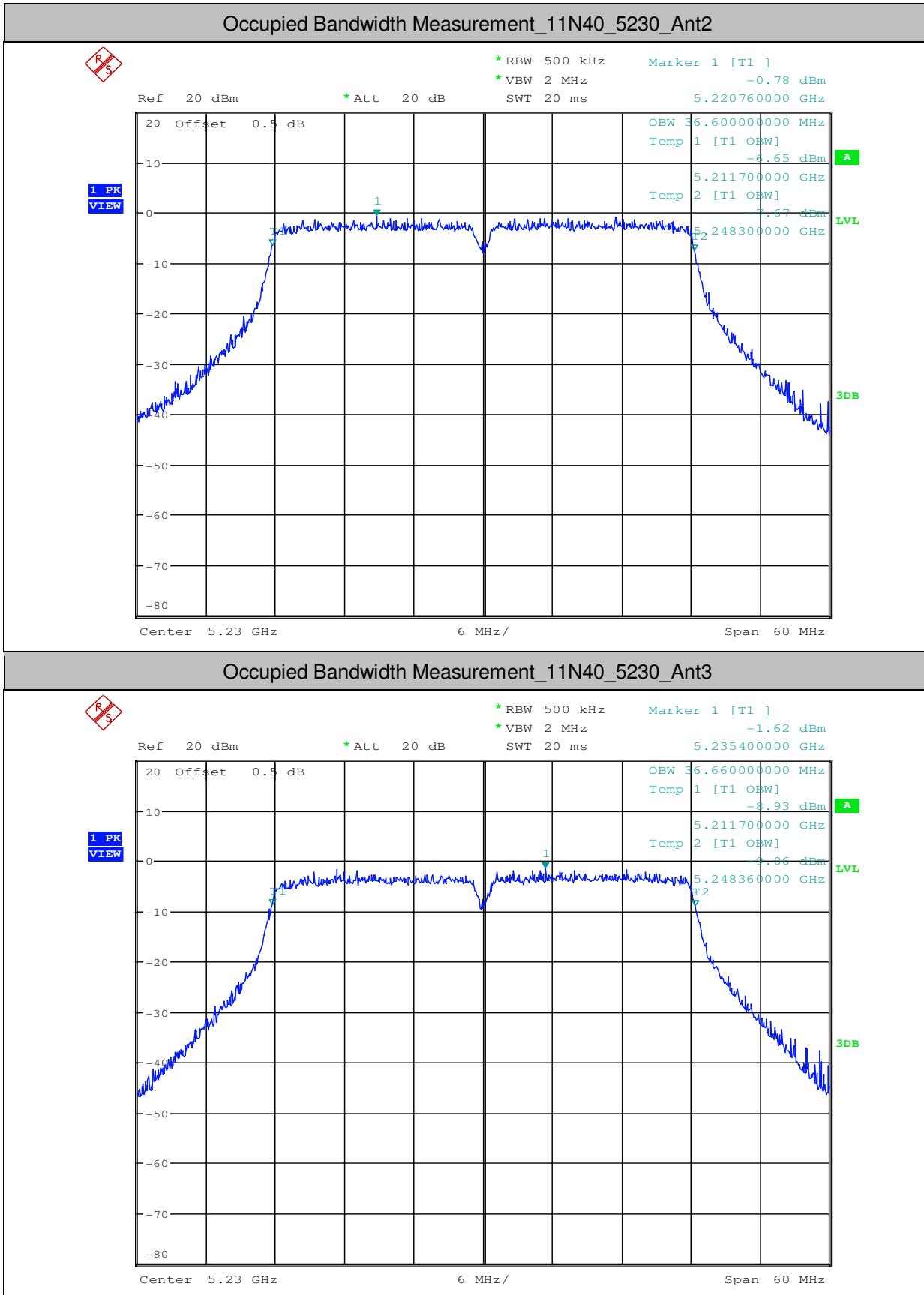


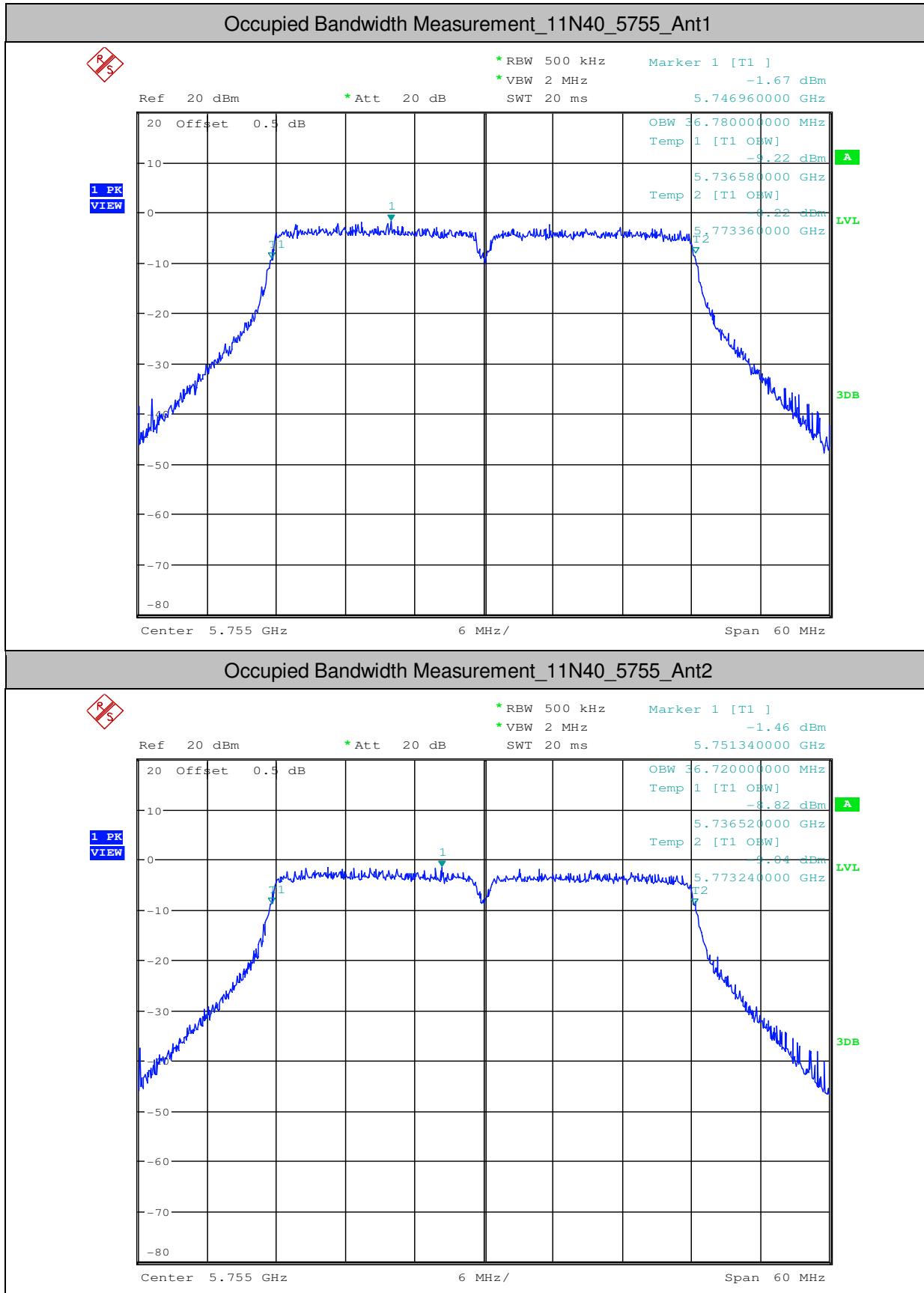


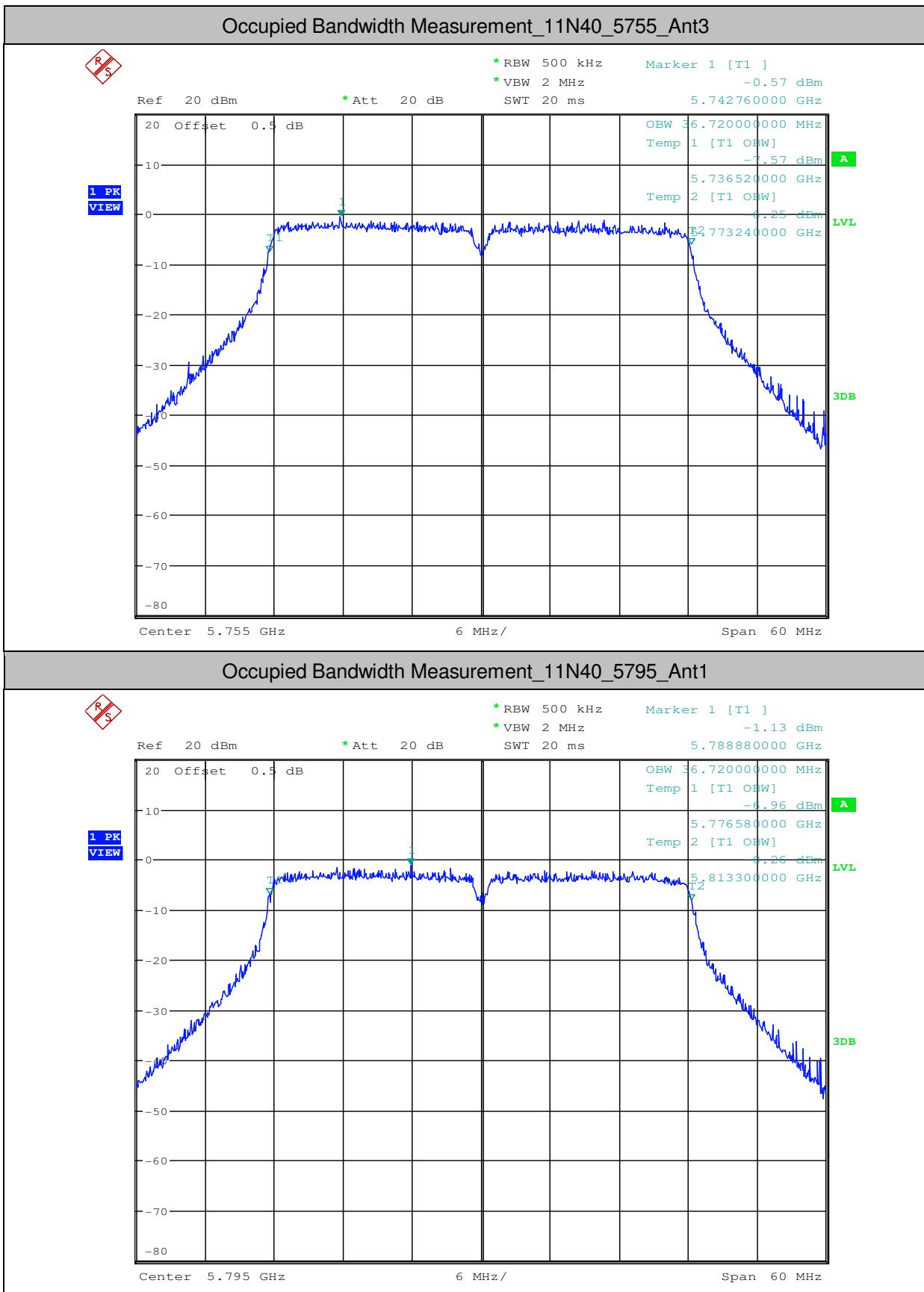


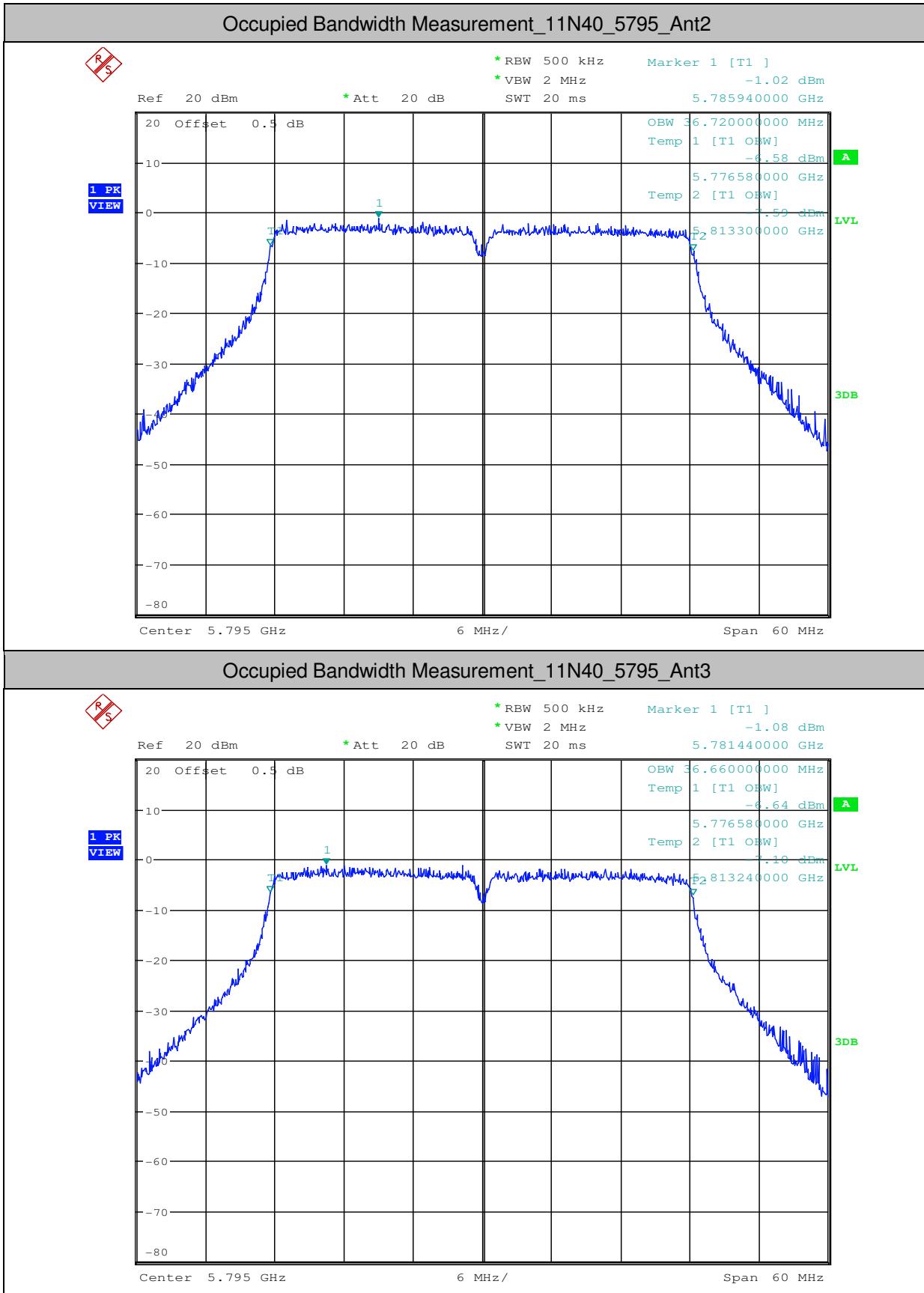


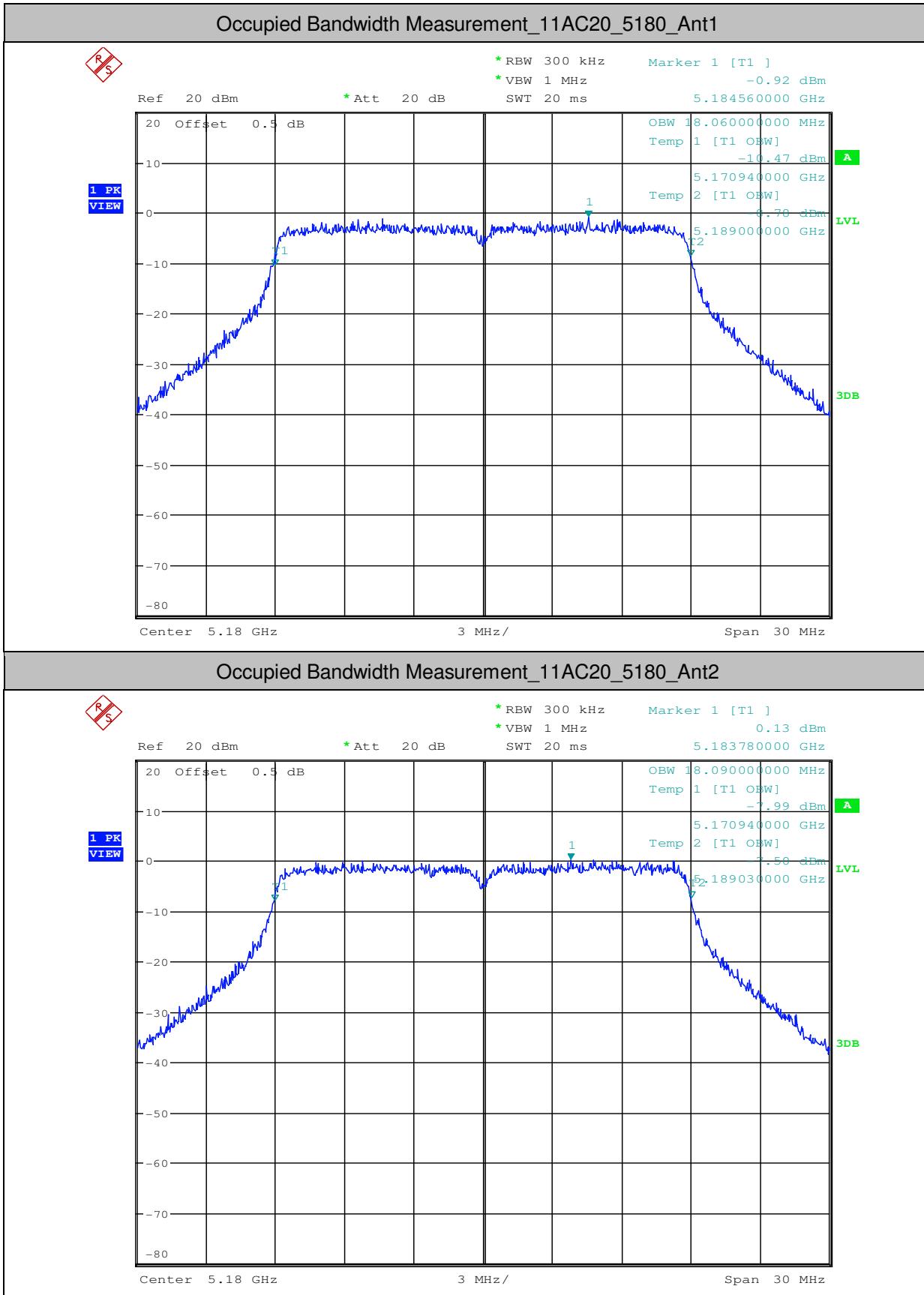


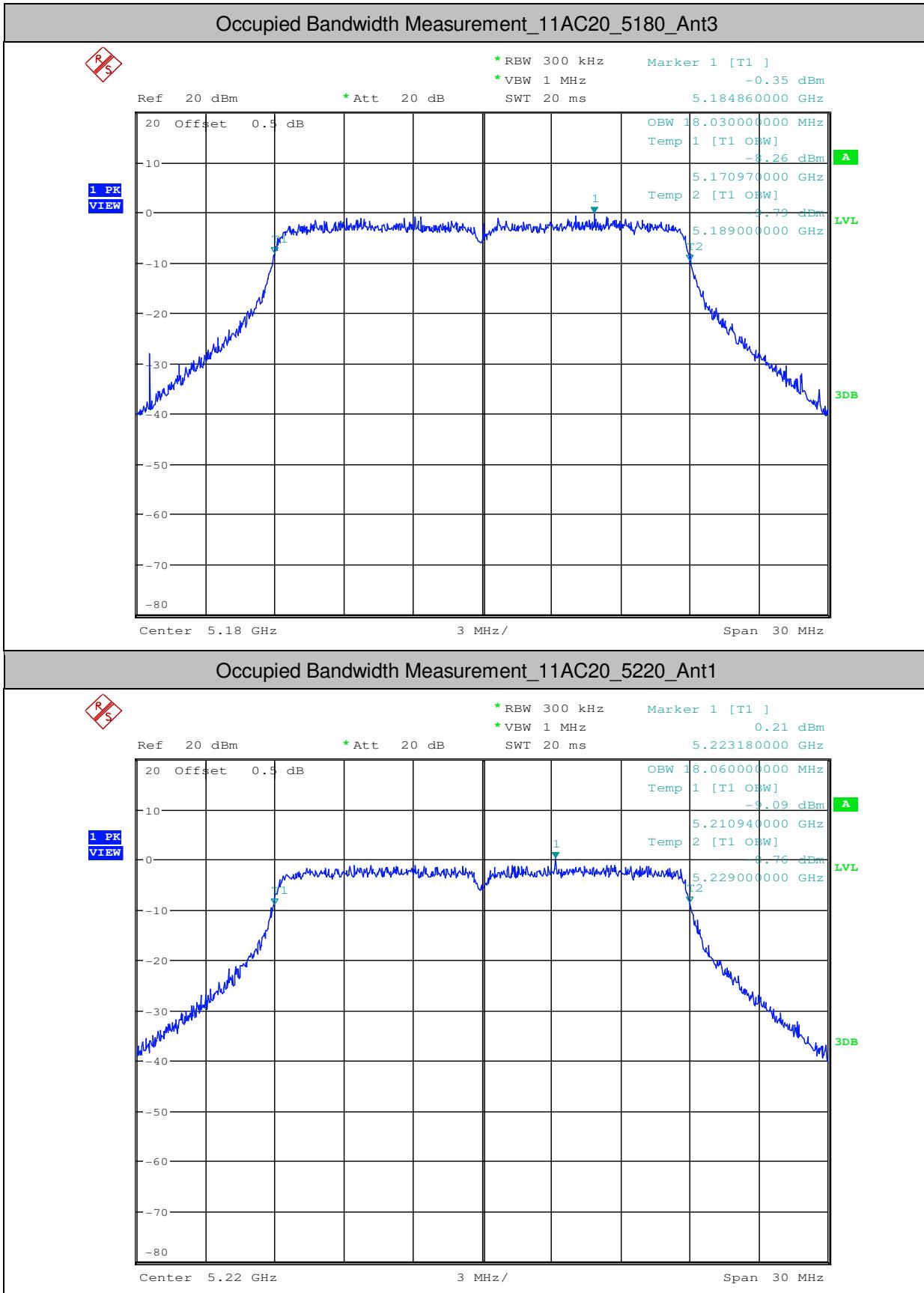


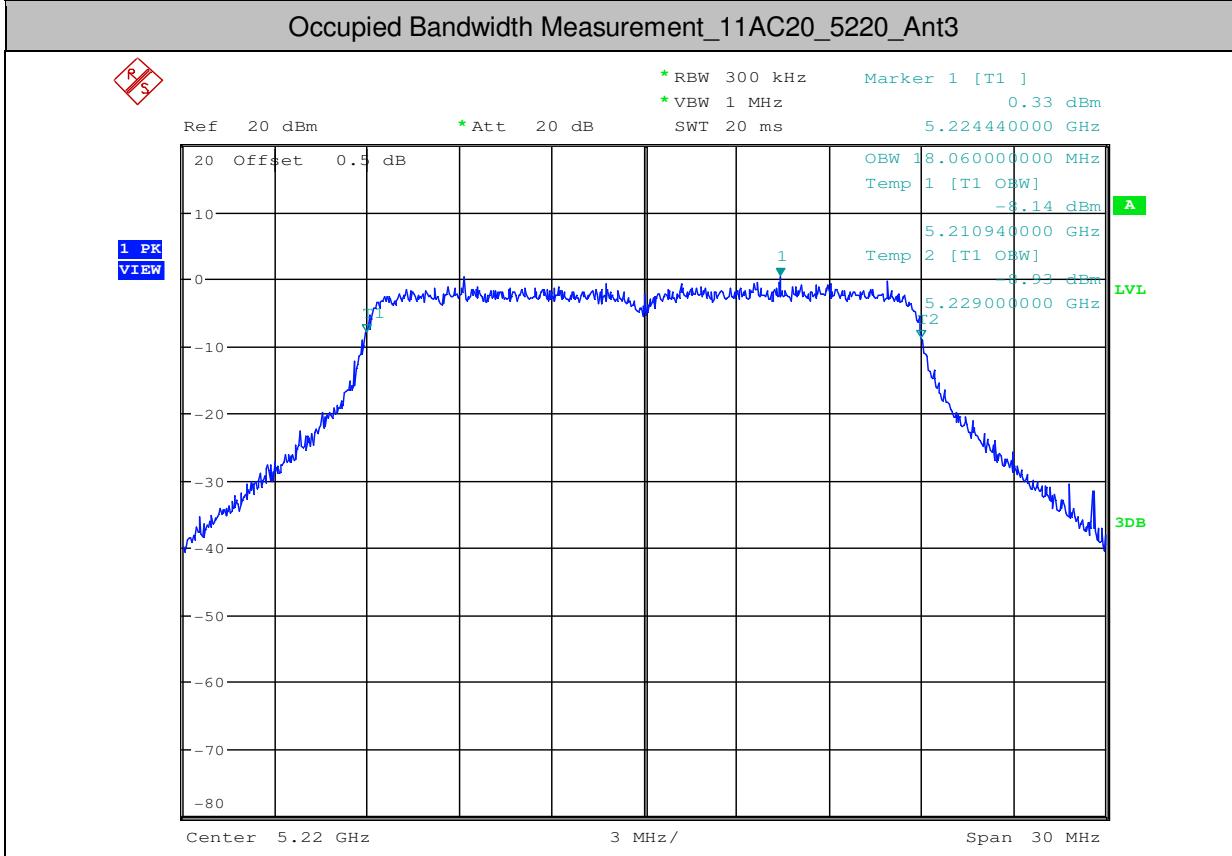
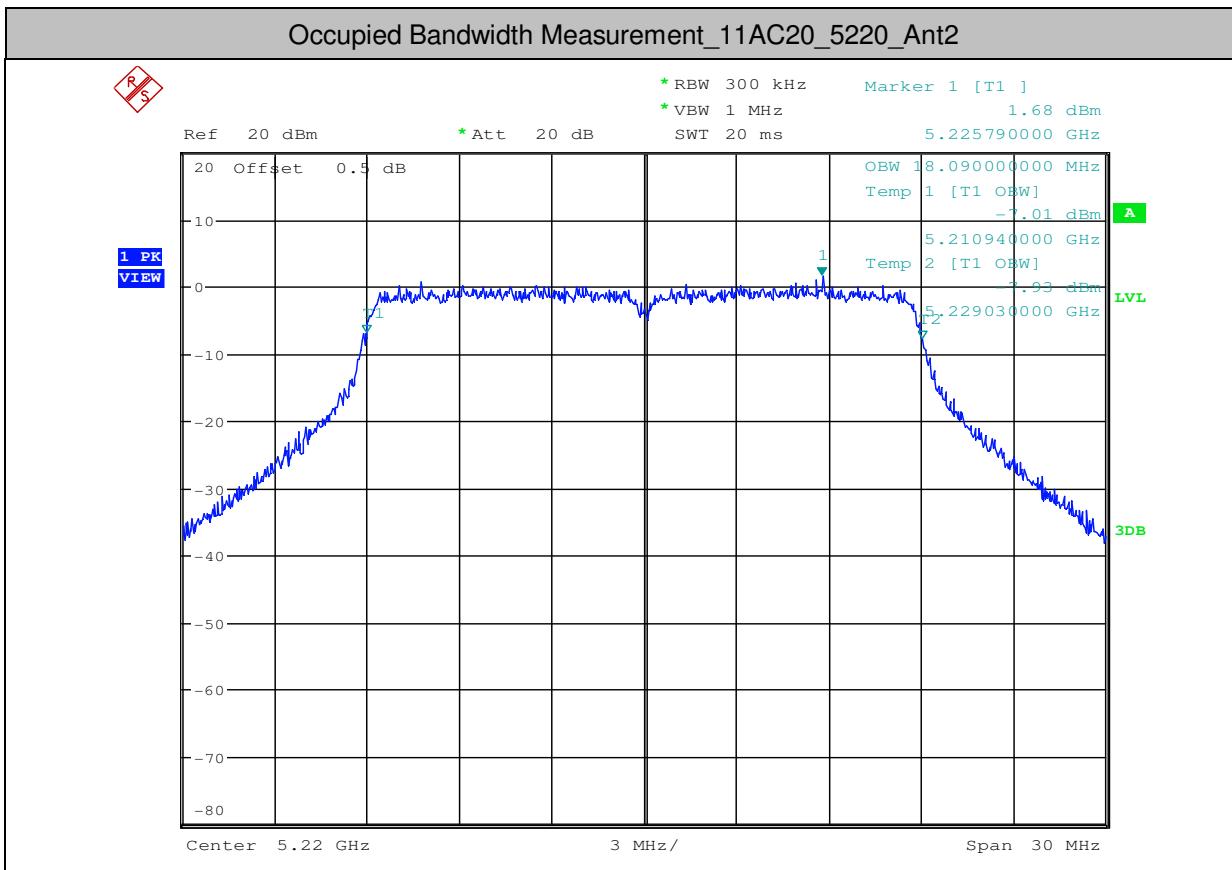


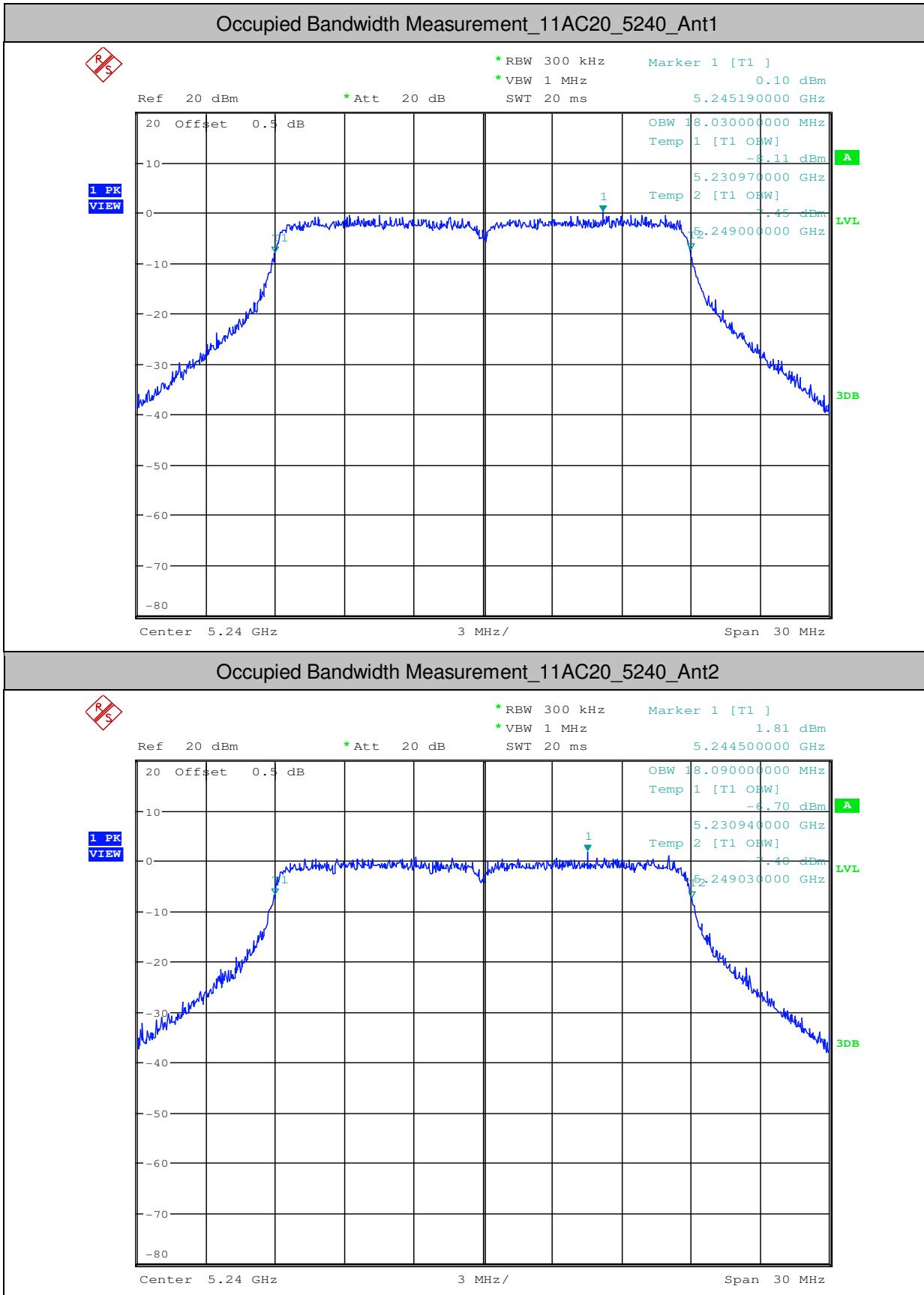


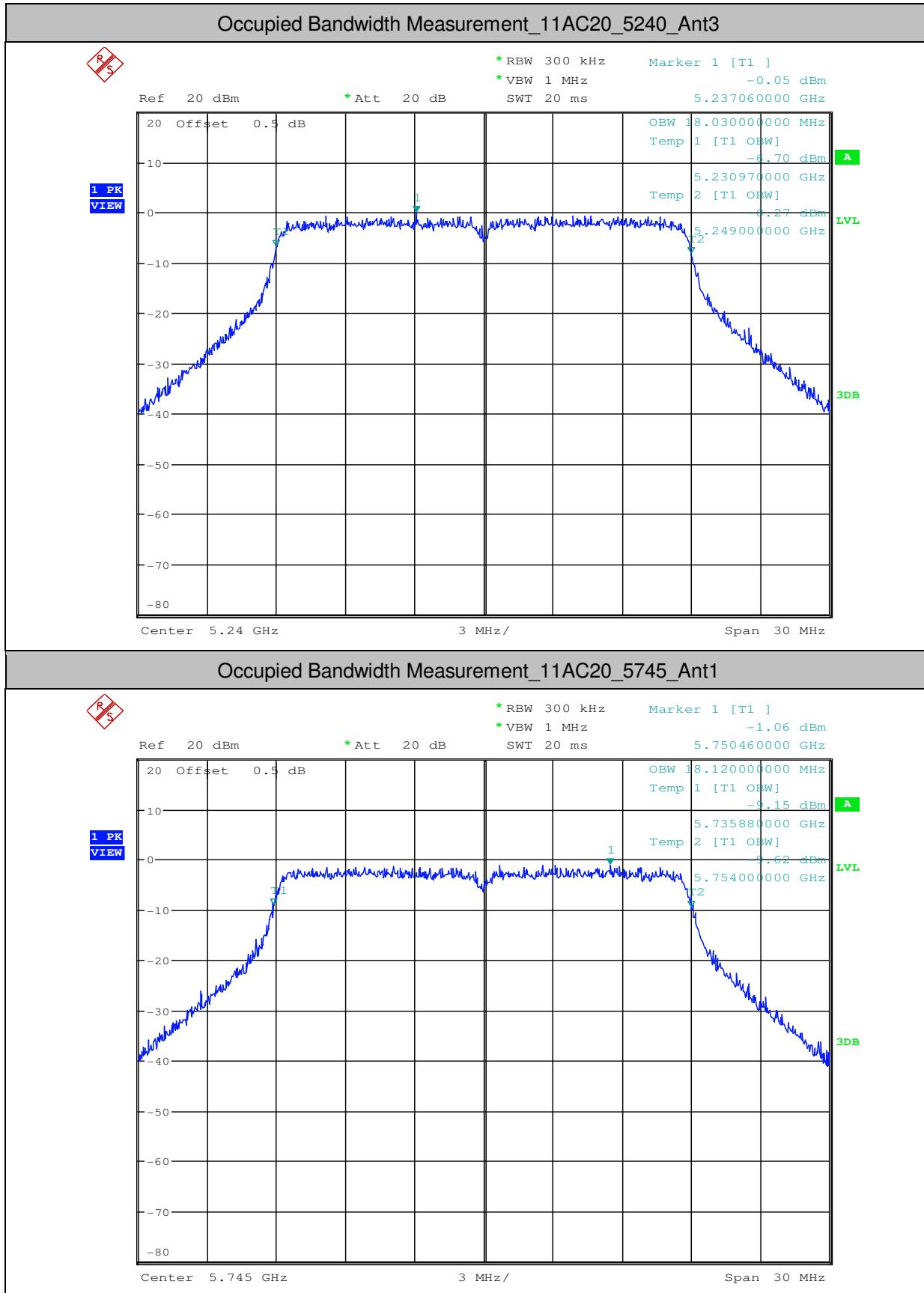


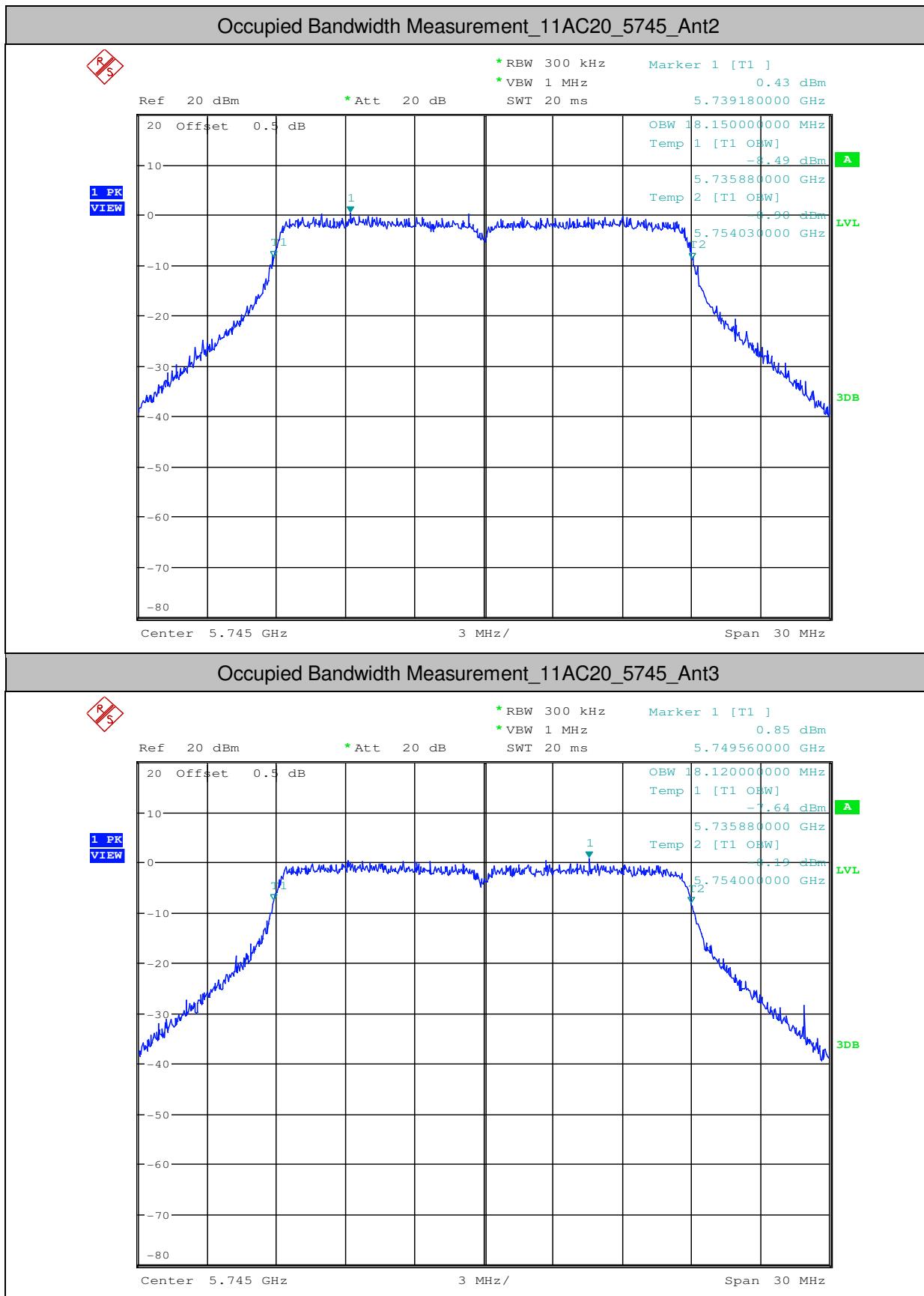


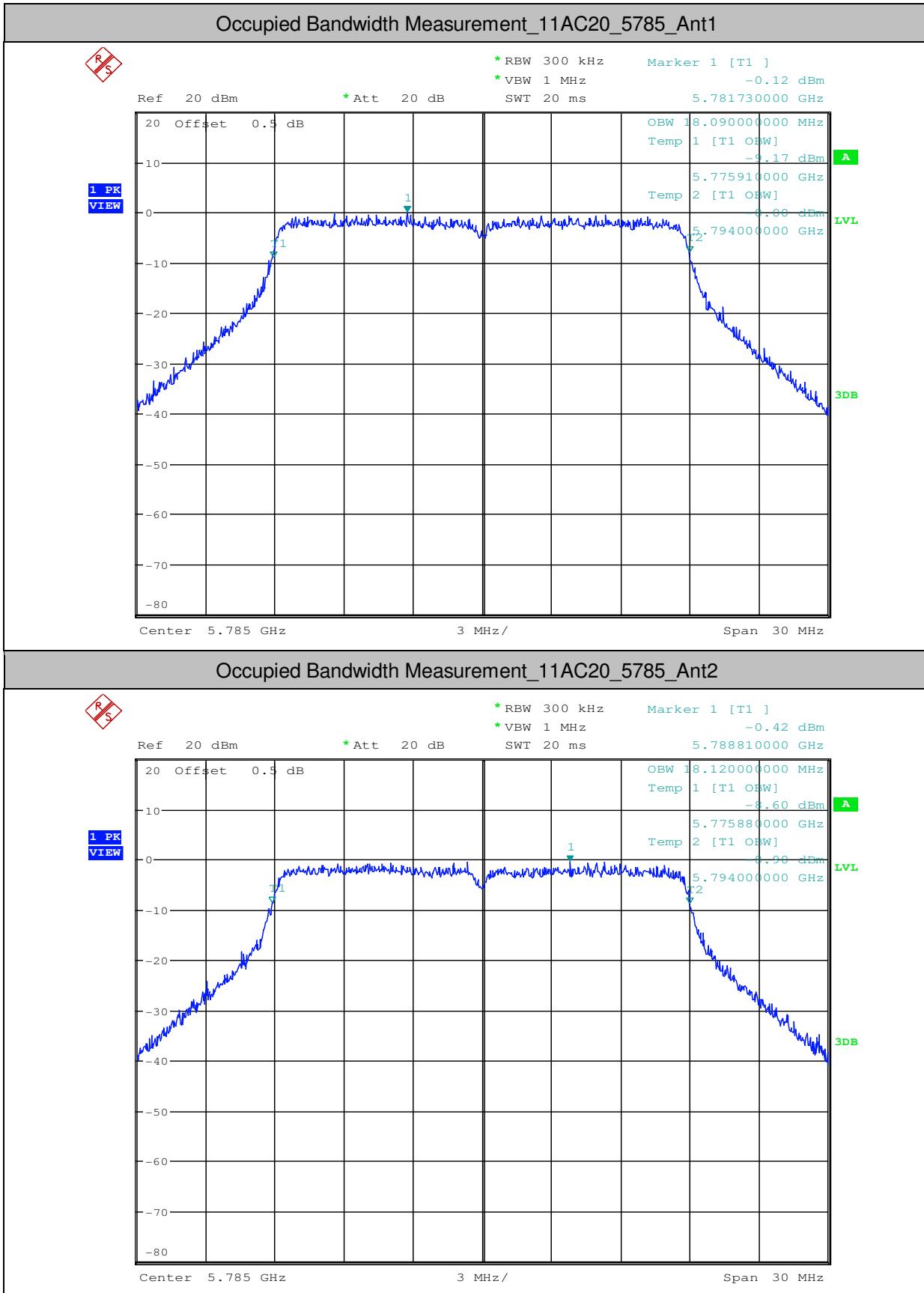


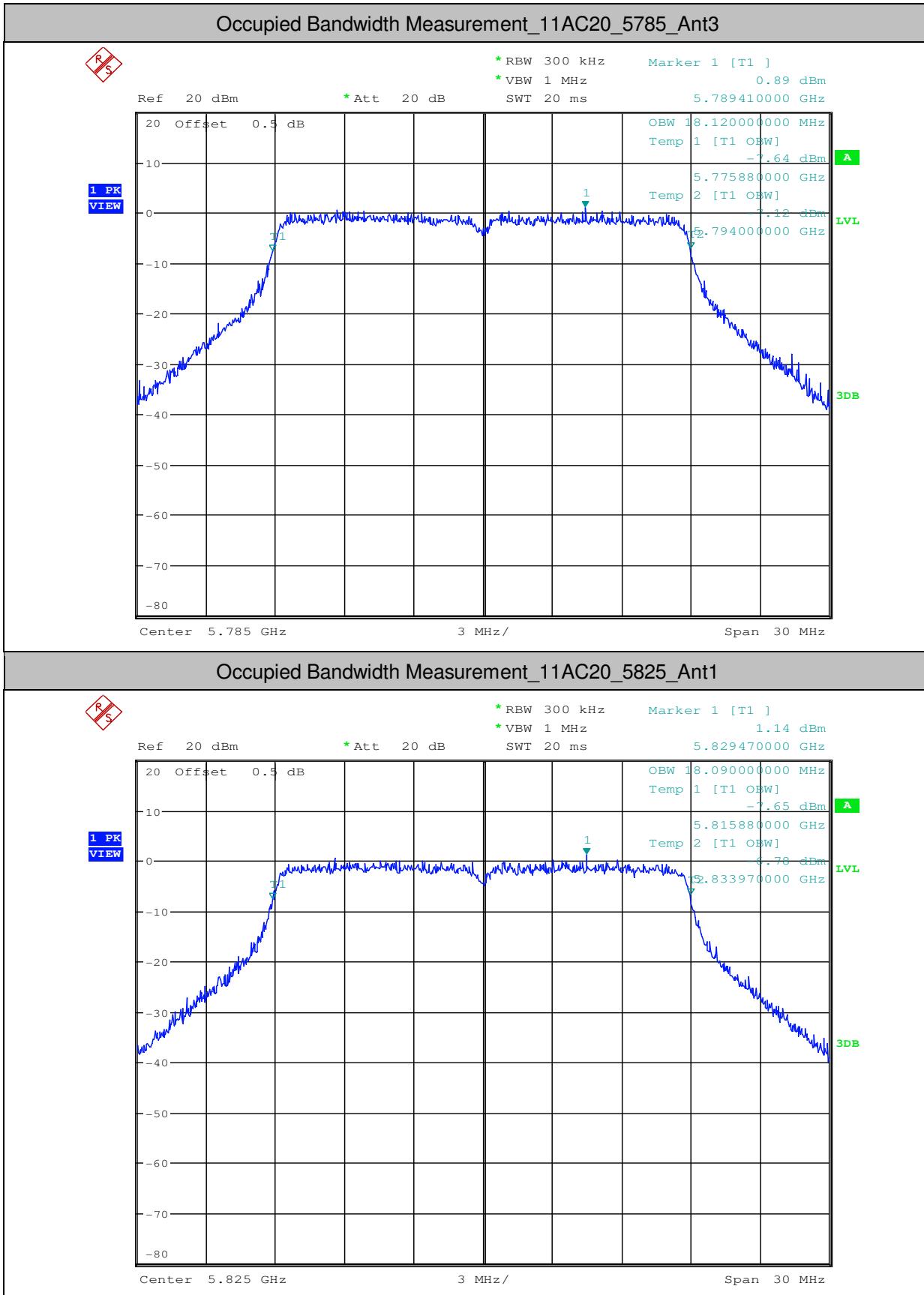


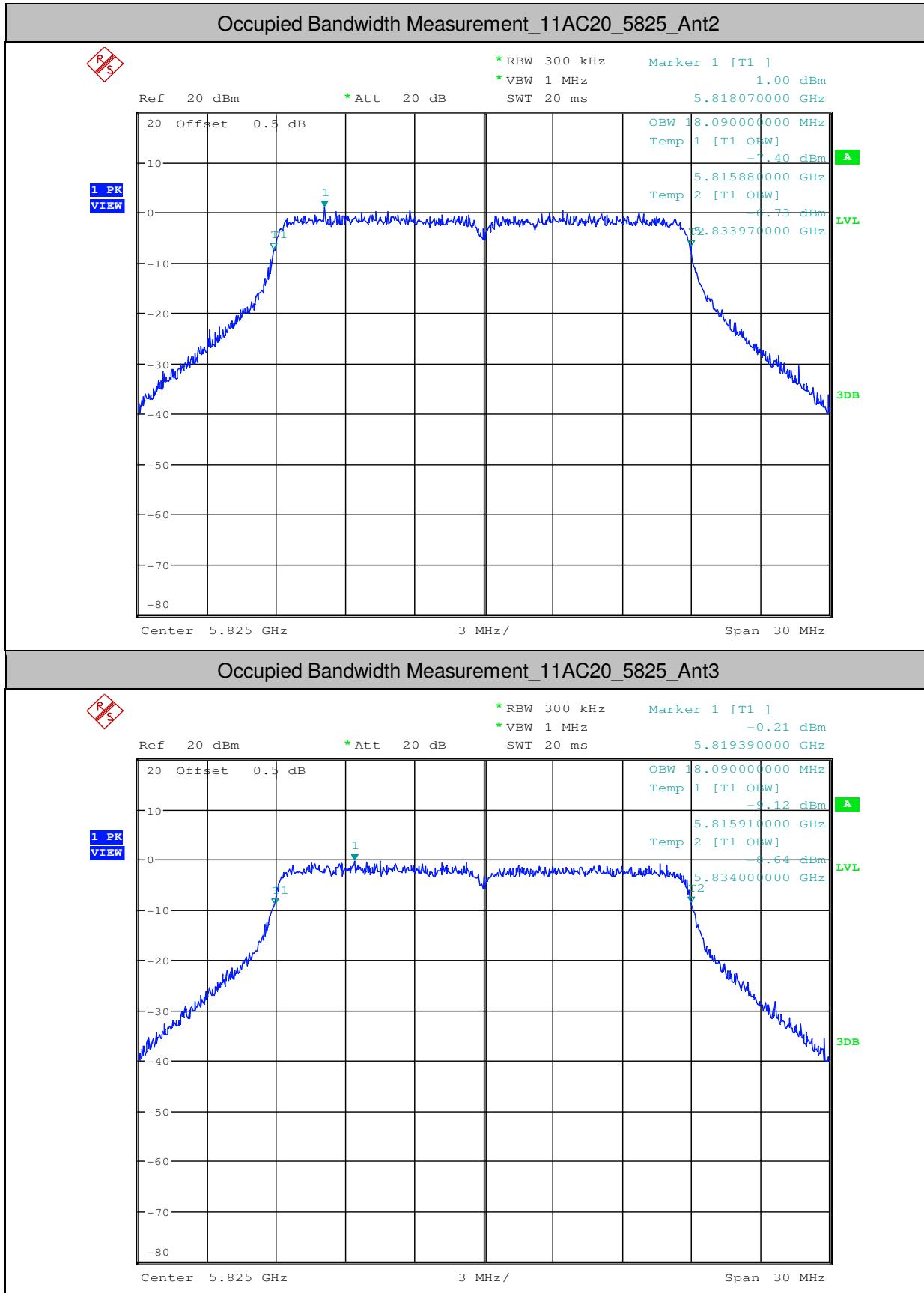


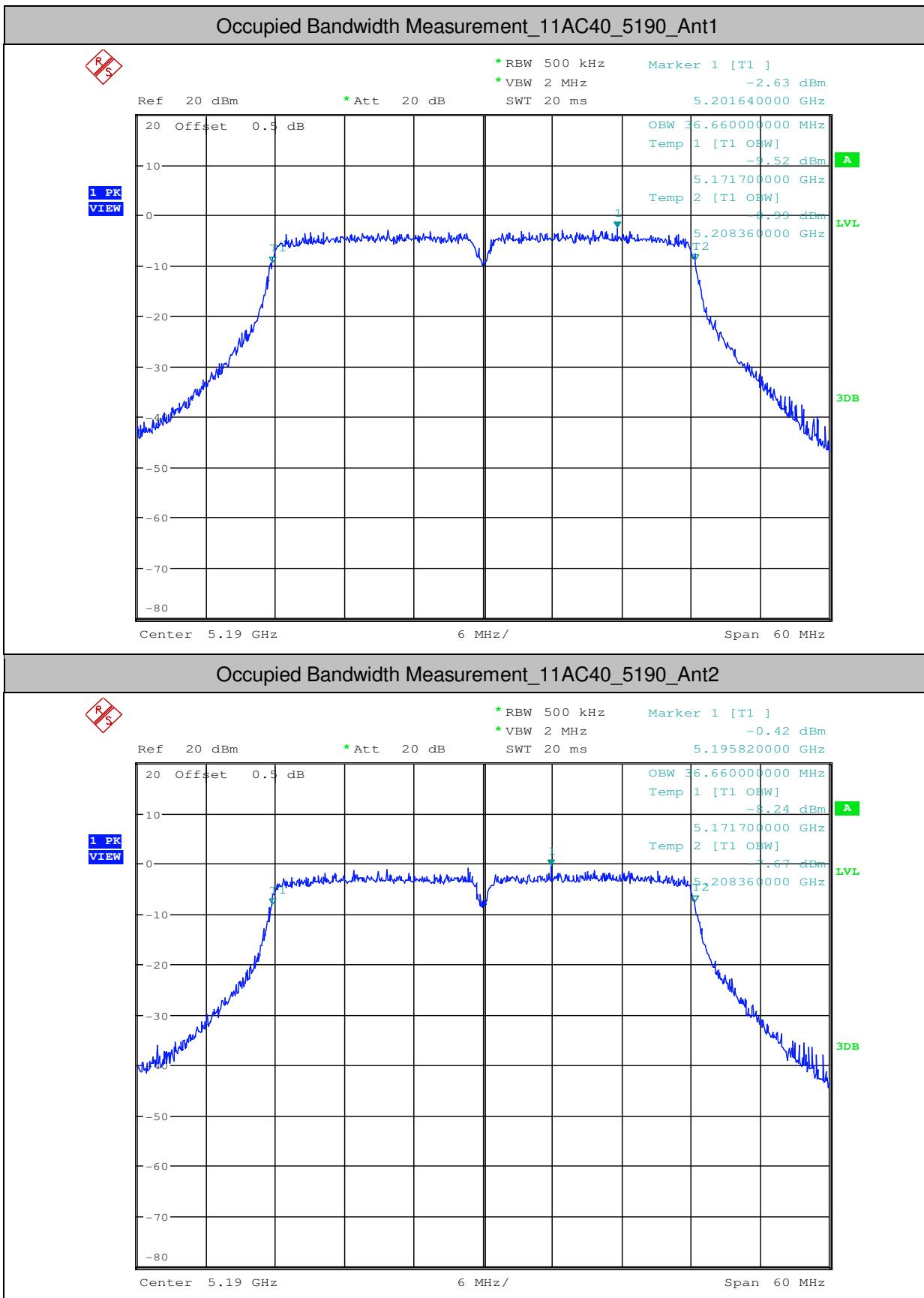


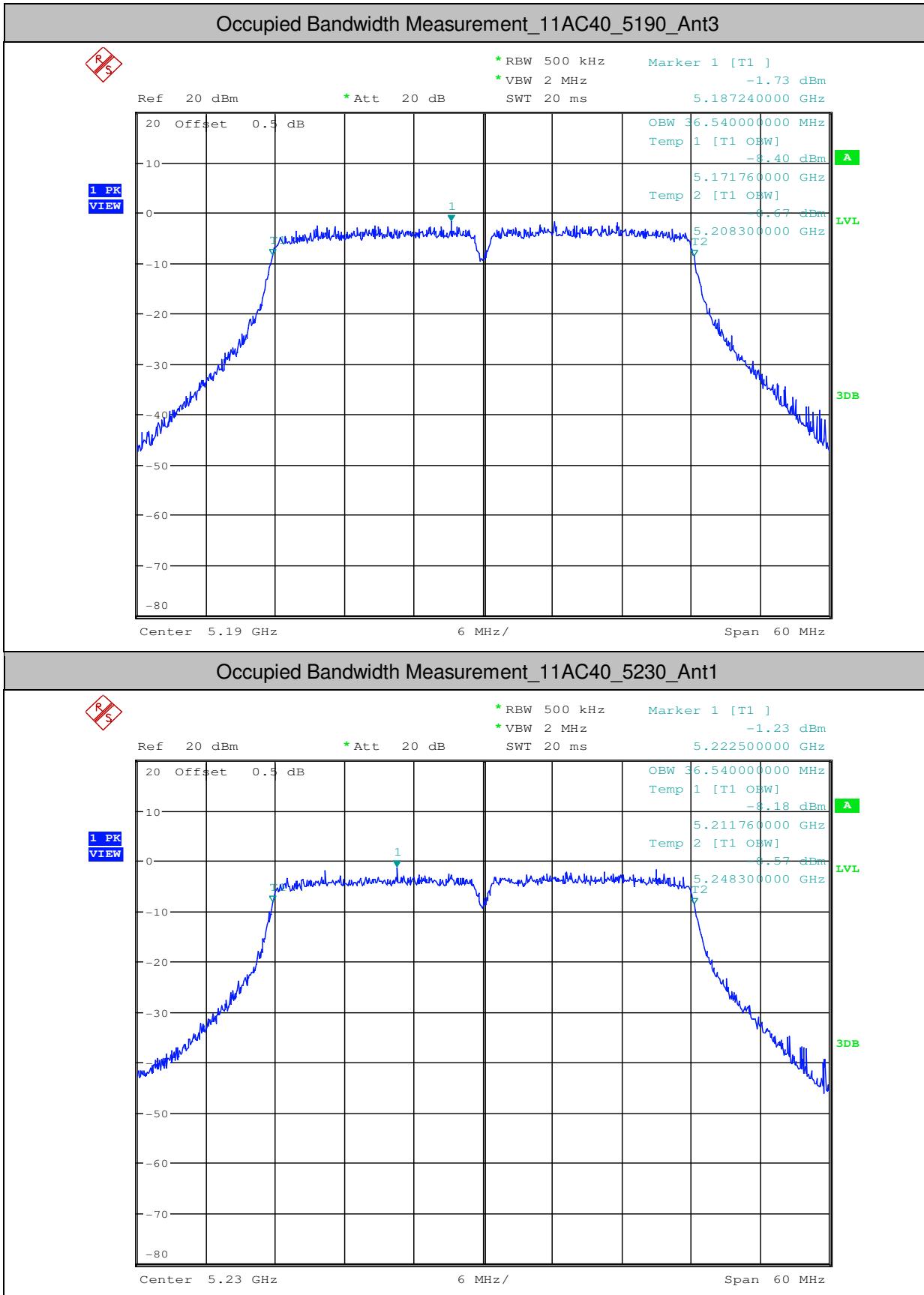


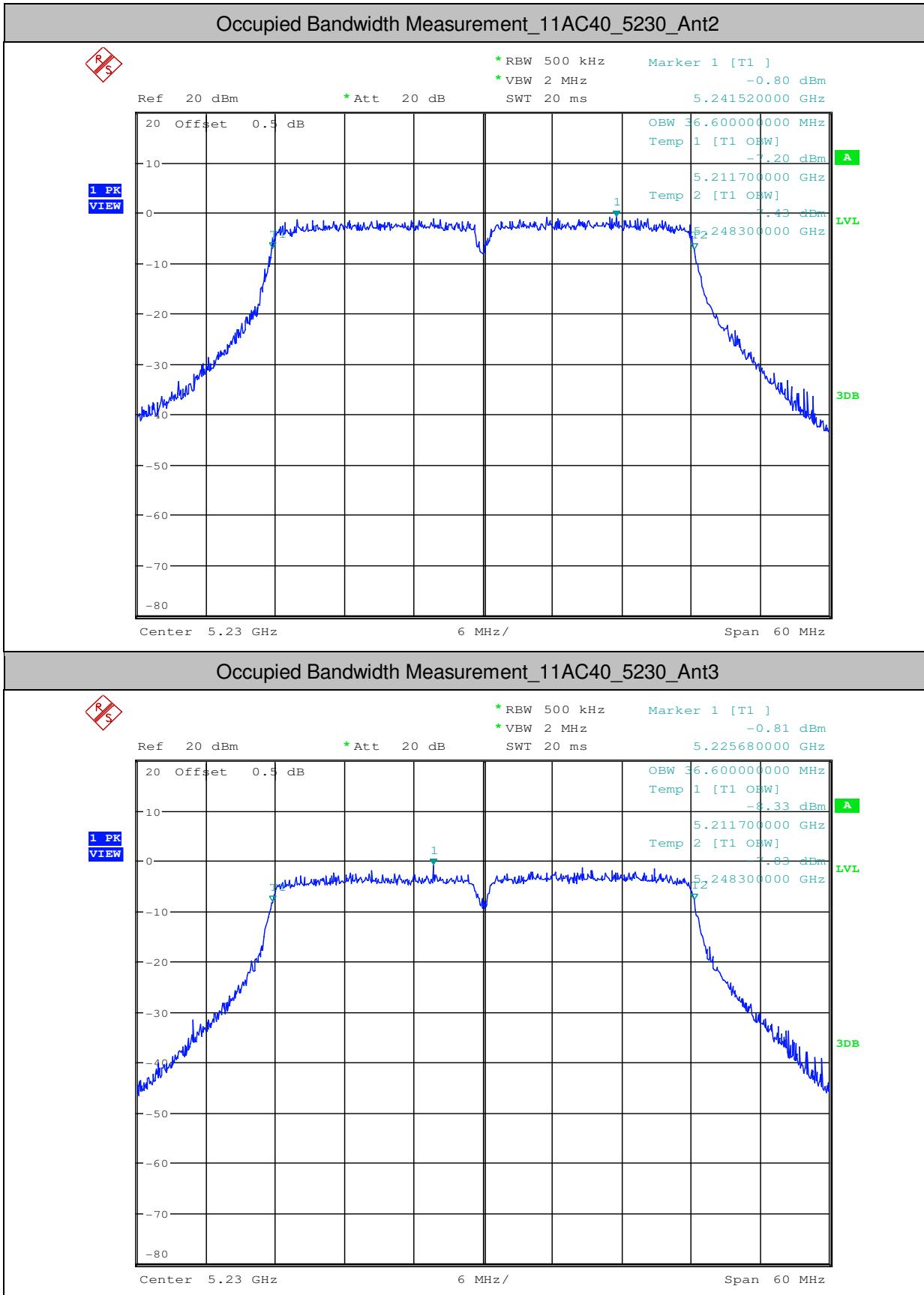


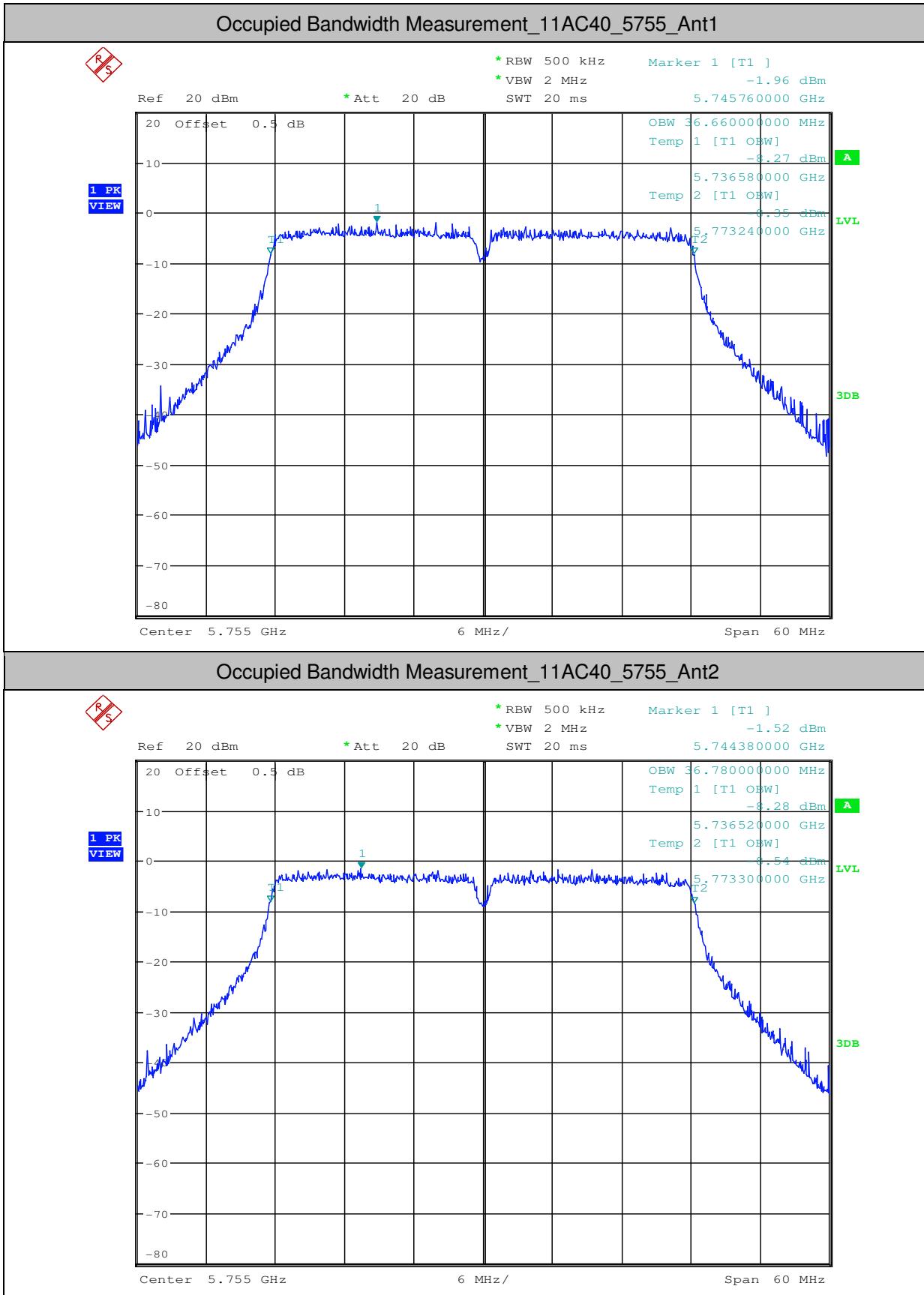


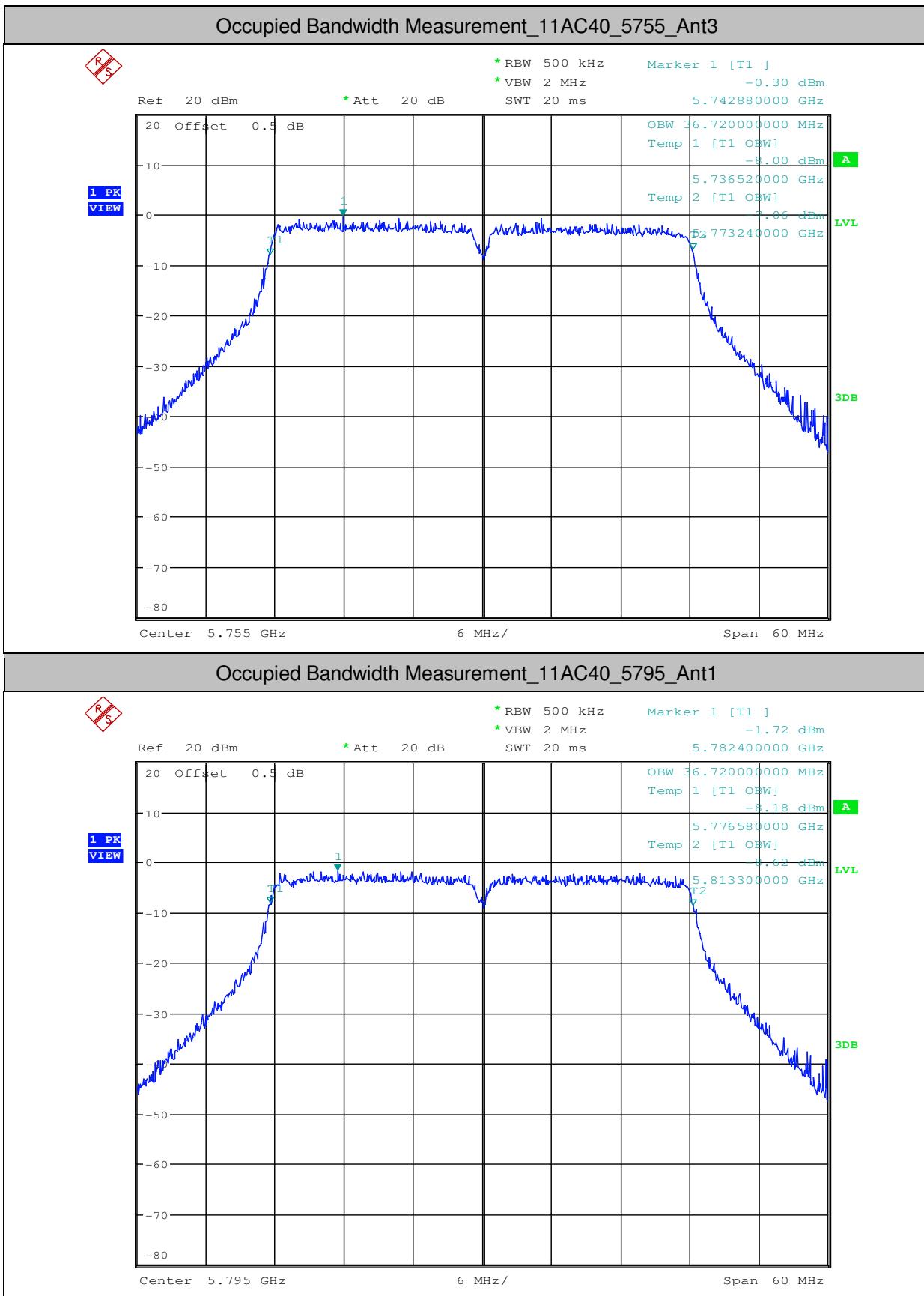


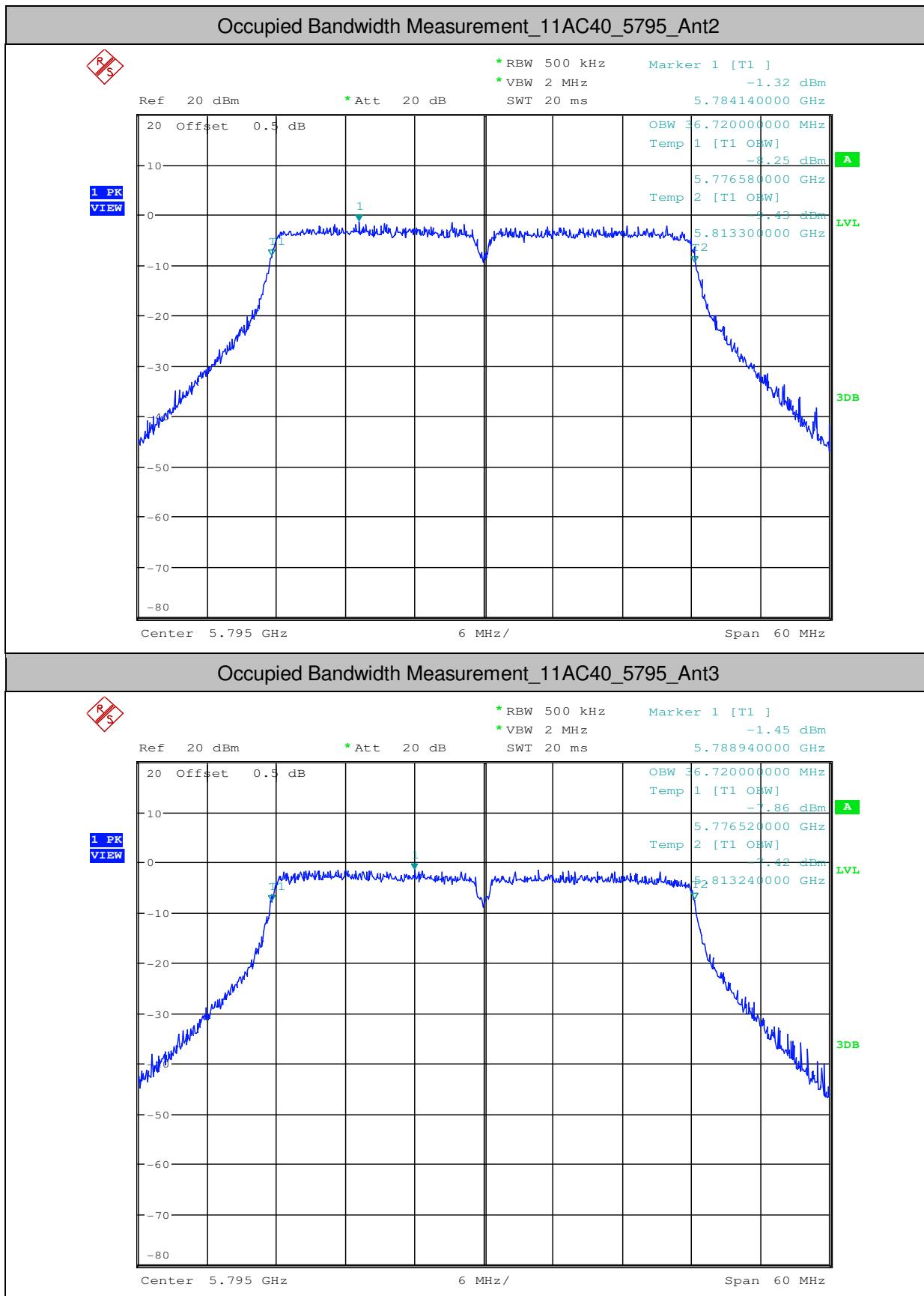


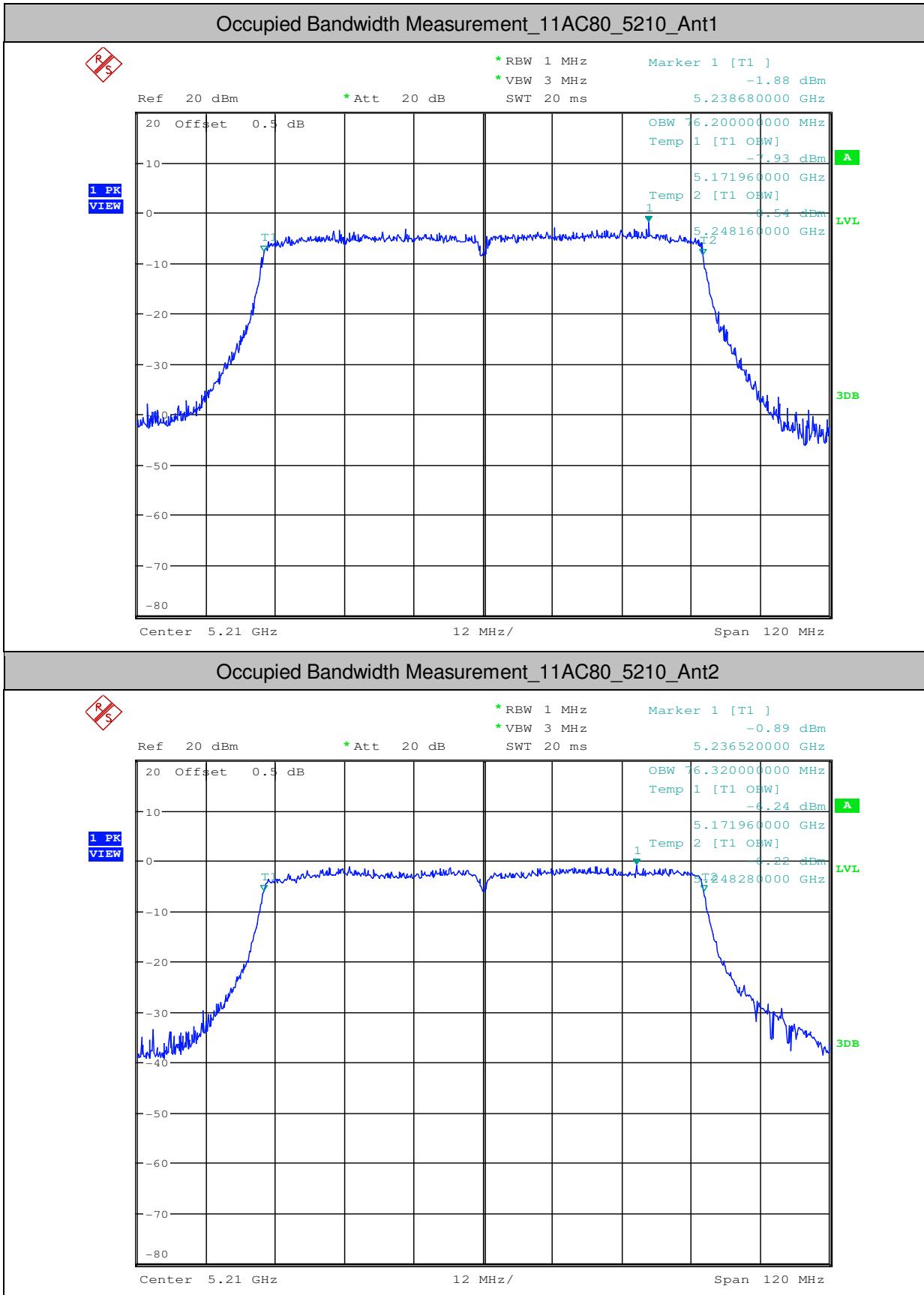


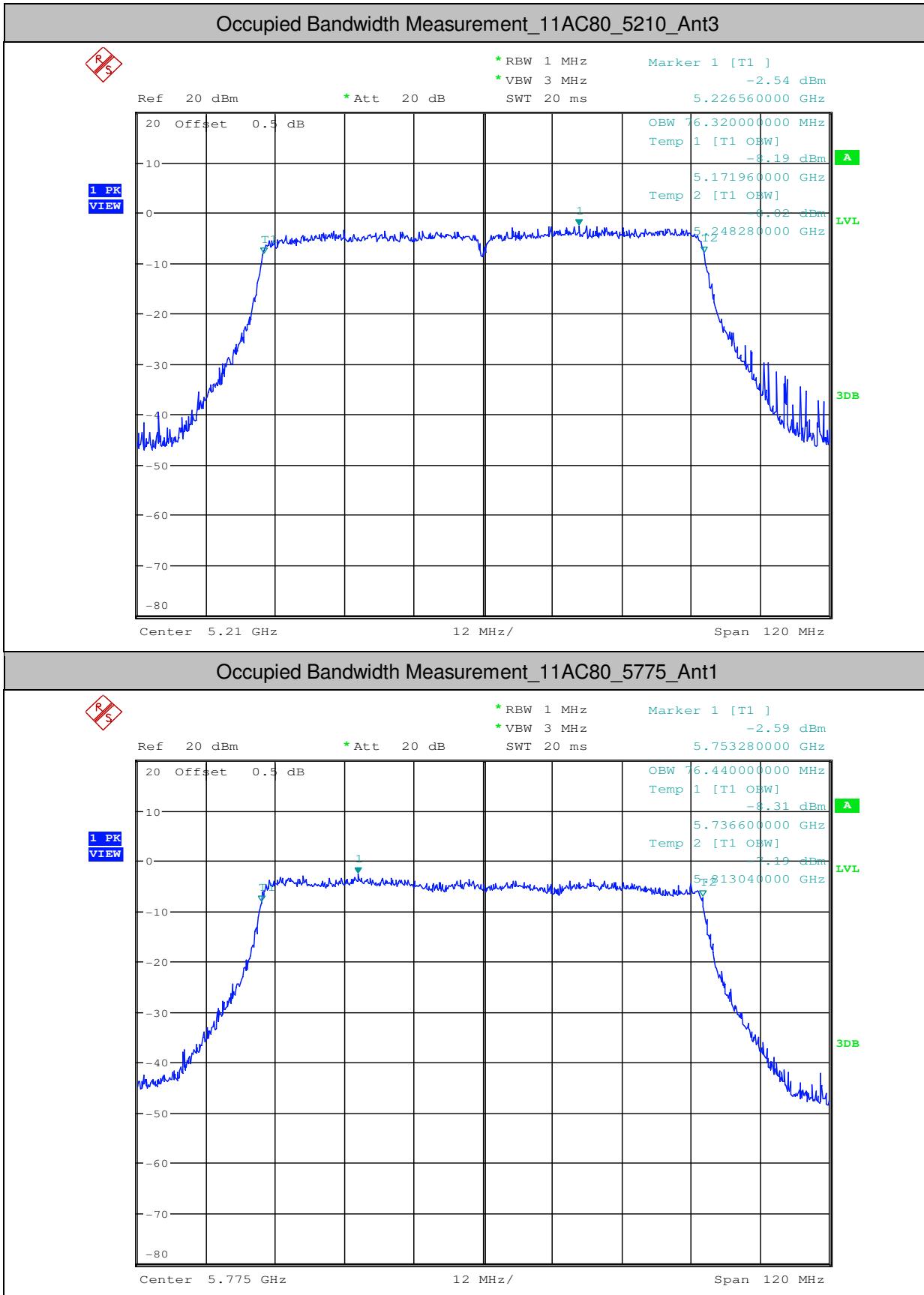


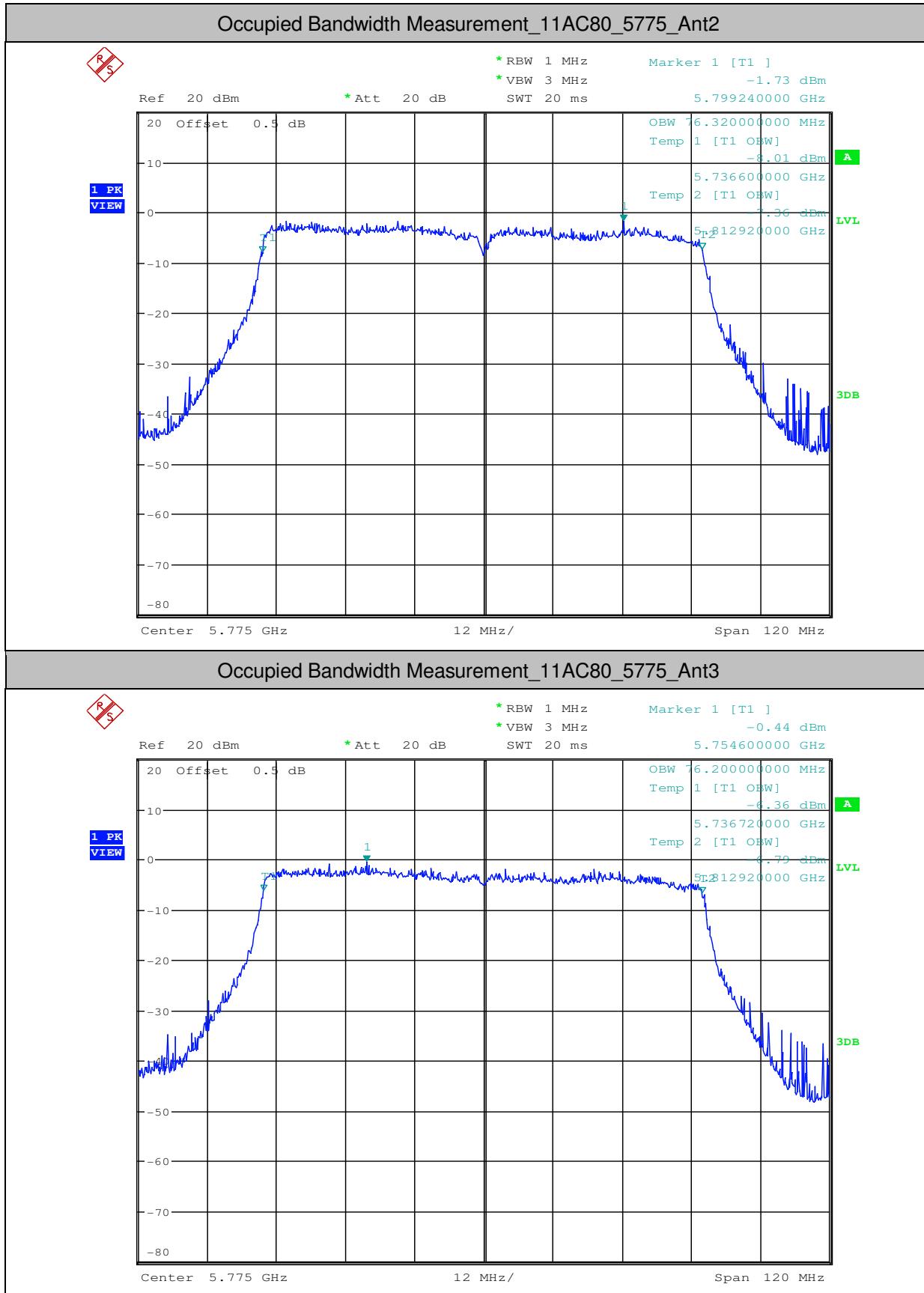












**3. Maximum Conduct Output Power**

802.11a mode					
Frequency (MHz)	Conducted Output Power (dBm)			Limit (dBm)	Result
	Ant.1	Ant.2	Ant.3		
5180.00	7.16	8.47	7.24	30.00	Pass
5220.00	7.56	8.93	7.73	30.00	Pass
5240.00	7.97	9.27	7.99	30.00	Pass
5745.00	7.02	8.14	8.47	30.00	Pass
5785.00	7.65	7.70	8.60	30.00	Pass
5825.00	8.51	8.34	7.76	30.00	Pass

802.11 n20 mode						Result	
Frequency (MHz)	Conducted Output Power (dBm)				Limit (dBm)		
	Ant.1	Ant.2	Ant.3	Total			
5180.00	6.95	8.44	7.23	12.36	30.00	Pass	
5220.00	7.45	8.88	7.75	12.84	30.00	Pass	
5240.00	7.89	9.23	7.94	13.17	30.00	Pass	
5745.00	6.99	8.06	8.46	12.65	30.00	Pass	
5785.00	7.64	7.64	8.63	12.77	30.00	Pass	
5825.00	8.44	8.26	7.73	12.92	30.00	Pass	

802.11 n 40 mode						Result	
Frequency (MHz)	Conducted Output Power (dBm)				Limit (dBm)		
	Ant.1	Ant.2	Ant.3	Total			
5190.00	6.03	7.42	6.22	11.37	30.00	Pass	
5230.00	6.57	7.81	6.78	11.86	30.00	Pass	
5755.00	6.35	6.94	7.63	11.78	30.00	Pass	
5795.00	7.03	6.89	7.37	11.87	30.00	Pass	

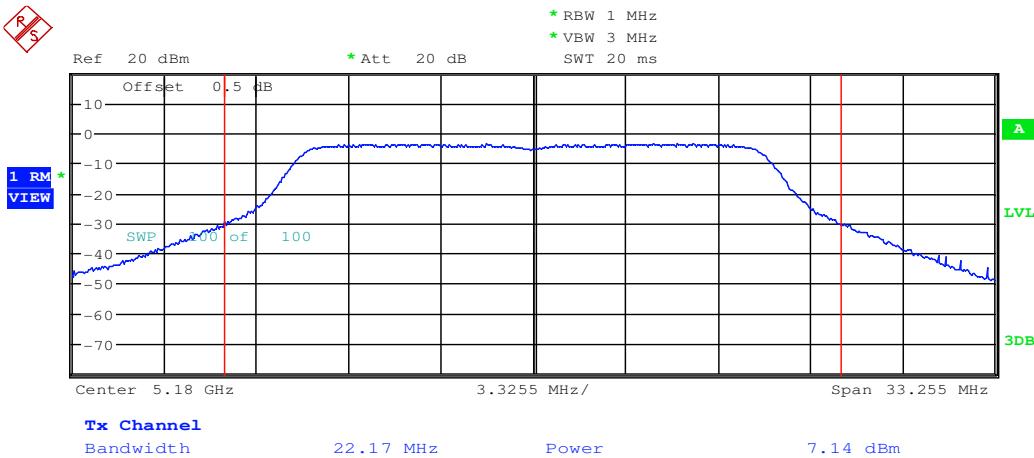
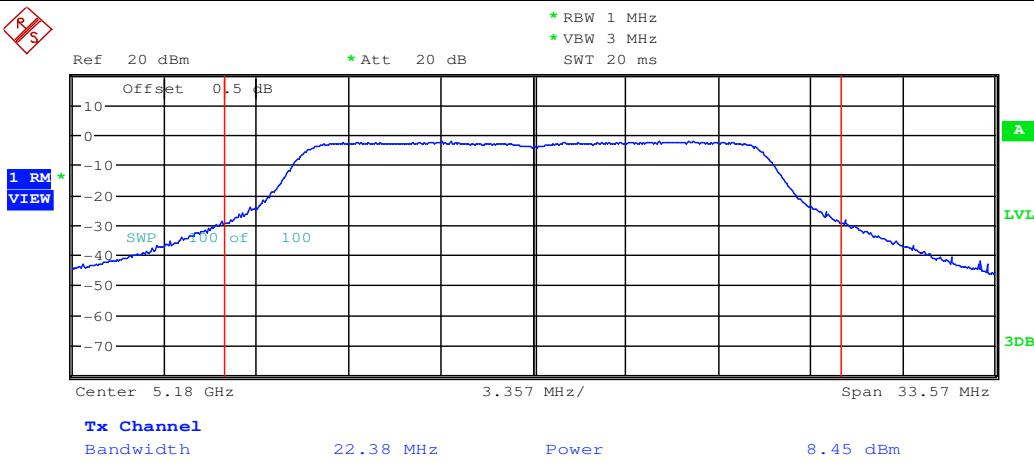
802.11 ac 20 mode						Result	
Frequency (MHz)	Conducted Output Power (dBm)				Limit (dBm)		
	Ant.1	Ant.2	Ant.3	Total			
5180.00	6.91	8.47	7.21	12.36	30.00	Pass	
5220.00	7.51	8.92	7.69	12.86	30.00	Pass	
5240.00	7.99	9.23	7.93	13.20	30.00	Pass	
5745.00	7.11	8.09	8.43	12.68	30.00	Pass	
5785.00	7.72	7.65	8.62	12.79	30.00	Pass	
5825.00	8.59	8.28	7.73	12.99	30.00	Pass	

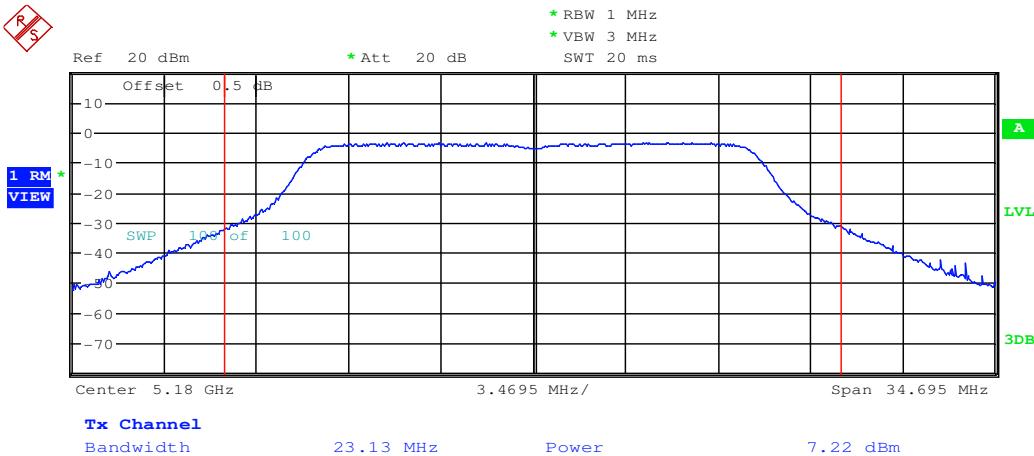
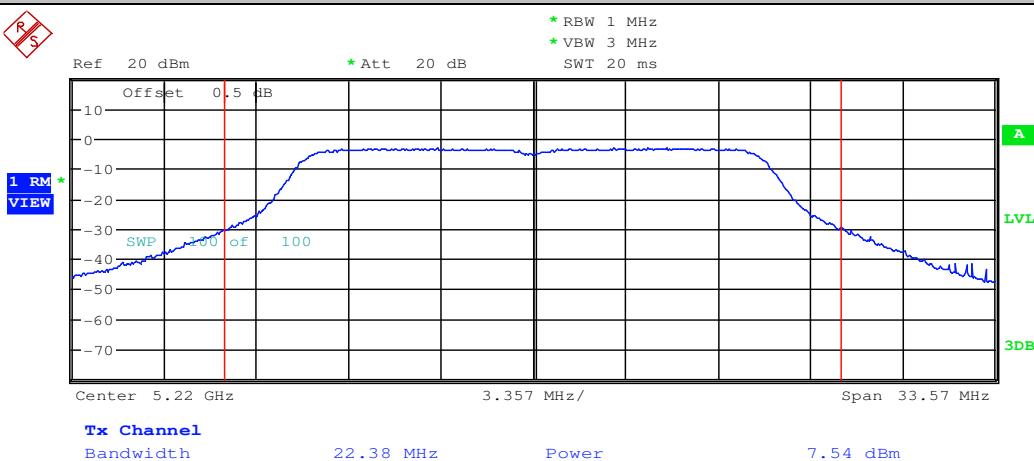
802.11ac 40 mode						Result	
Frequency (MHz)	Conducted Output Power (dBm)				Limit (dBm)		
	Ant.1	Ant.2	Ant.3	Total			
5190.00	5.80	7.40	6.23	11.30	30.00	Pass	
5230.00	6.47	7.82	6.81	11.84	30.00	Pass	
5755.00	6.16	6.92	7.60	11.70	30.00	Pass	
5795.00	6.92	6.86	7.36	11.82	30.00	Pass	

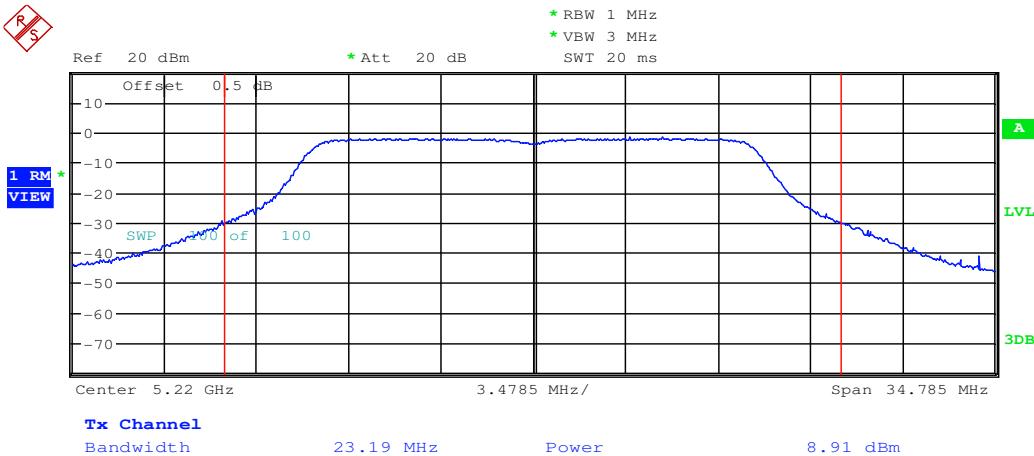


802.11ac 80 mode						
Frequency (MHz)	Conducted Output Power (dBm)				Limit (dBm)	Result
	Ant.1	Ant.2	Ant.3	Total		
5210.00	5.21	6.71	5.42	10.60	30.00	Pass
5775.00	5.36	6.27	6.80	10.95	30.00	Pass

Remark: Power(dBm)=Level(dBm) + 10log(1/x), x is Duty Cycle.

**Maximum Conduct Output Power\_11A\_5180\_Ant1****Maximum Conduct Output Power\_11A\_5180\_Ant2**

**Maximum Conduct Output Power\_11A\_5180\_Ant3****Maximum Conduct Output Power\_11A\_5220\_Ant1**

**Maximum Conduct Output Power\_11A\_5220\_Ant2****Maximum Conduct Output Power\_11A\_5220\_Ant3**