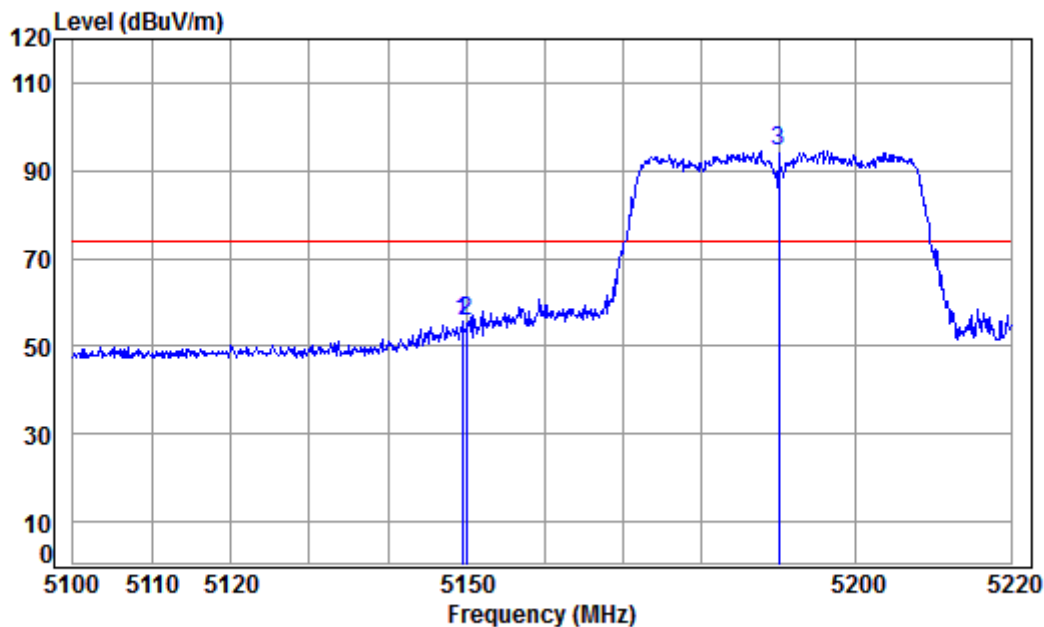


Mode:I; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 06230CR/06231CR

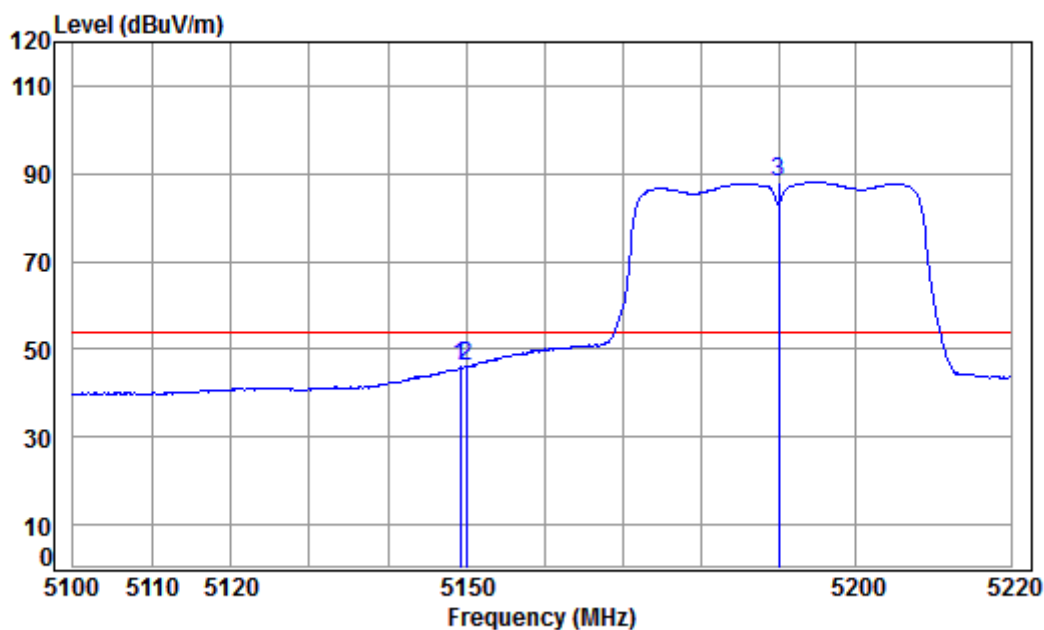
Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	8.08	34.47	38.47	51.49	55.57	74.00	-18.43	peak
2	5150.000	8.08	34.47	38.47	51.77	55.85	74.00	-18.15	peak
3 pp	5190.000	8.10	34.46	38.46	90.49	94.59	74.00	20.59	peak



Mode:I; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

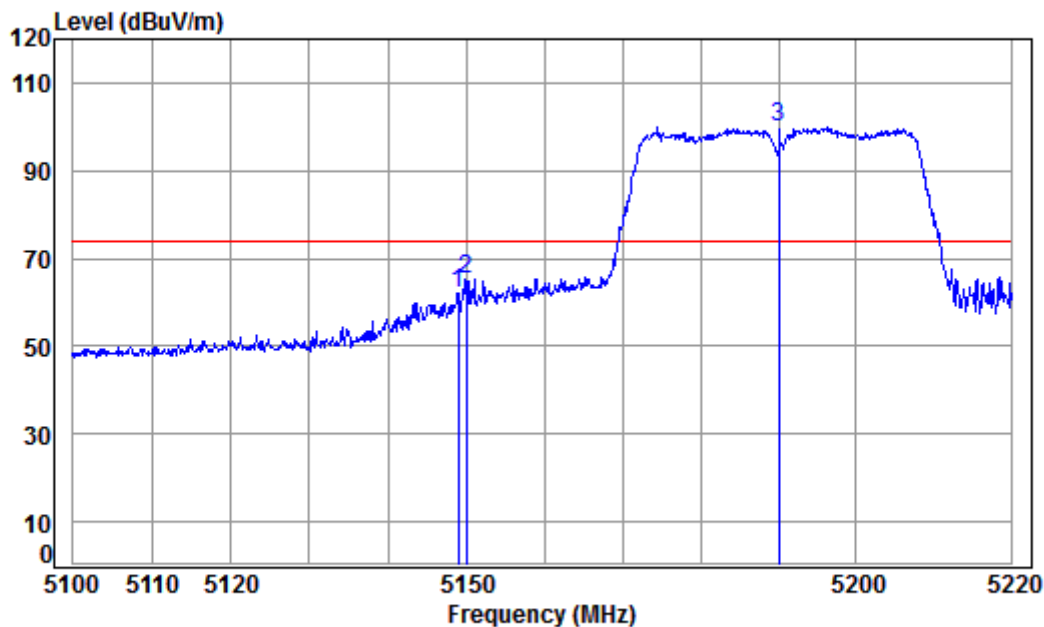
Job No : 06230CR/06231CR

Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.222	8.08	34.47	38.47	41.78	45.86	54.00	-8.14 Average
2	5150.000	8.08	34.47	38.47	42.10	46.18	54.00	-7.82 Average
3 pp	5190.000	8.10	34.46	38.46	84.00	88.10	54.00	34.10 Average

Mode:I; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

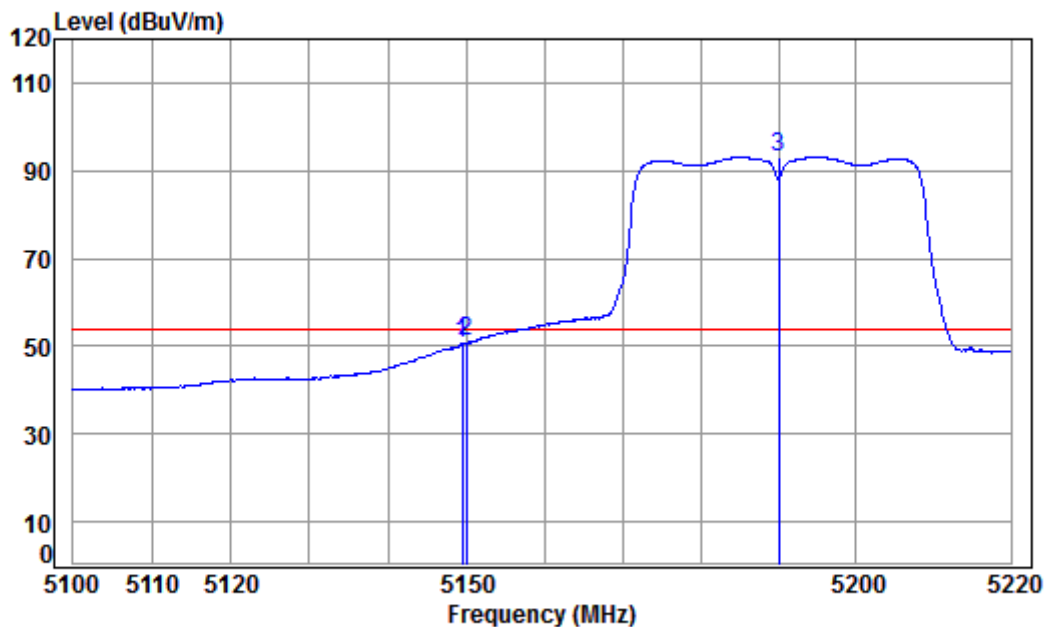
Job No : 06230CR/06231CR

Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.982	8.08	34.47	38.47	58.03	62.11	74.00	-11.89	Peak
2	5150.000	8.08	34.47	38.47	61.16	65.24	74.00	-8.76	Peak
3 pp	5190.000	8.10	34.46	38.46	96.01	100.11	74.00	26.11	Peak

Mode:I; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 06230CR/06231CR

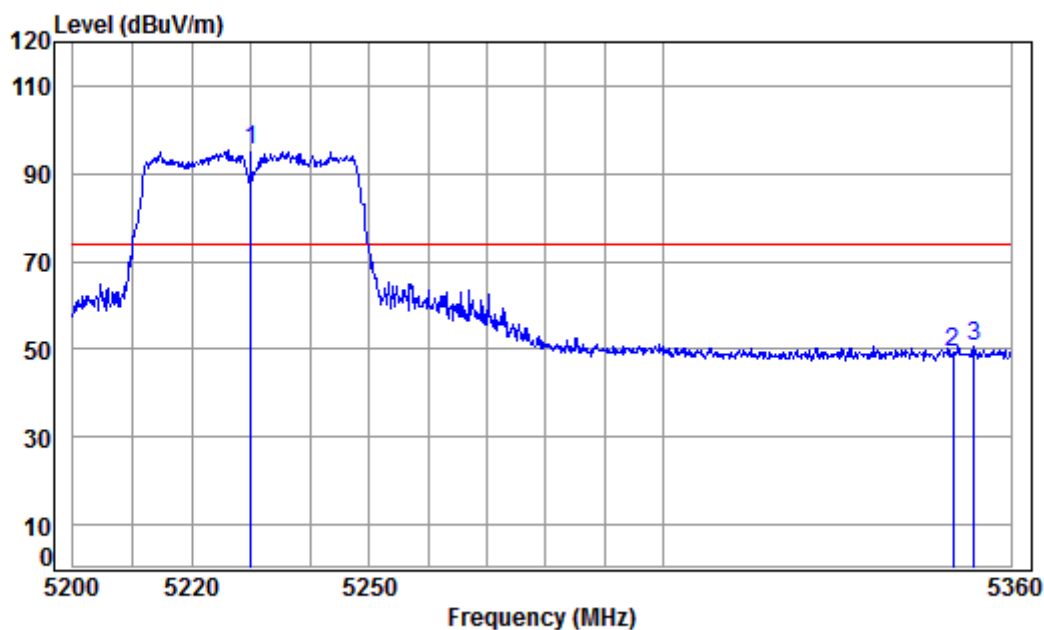
Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	8.08	34.47	38.47	46.43	50.51	54.00	-3.49	Average
2	5150.000	8.08	34.47	38.47	46.82	50.90	54.00	-3.10	Average
3 pp	5190.000	8.10	34.46	38.46	89.01	93.11	54.00	39.11	Average



Mode:I; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 06230CR/06231CR

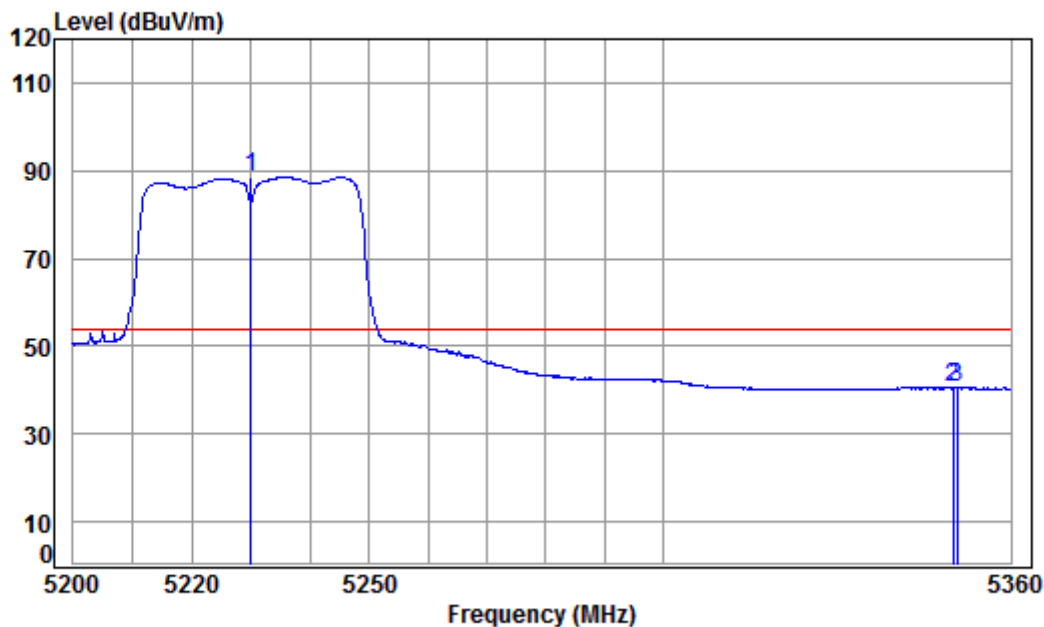
Mode : 5230 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5230.000	8.12	34.45	38.45	91.26	95.38	74.00	21.38	peak
2	5350.000	8.18	34.43	38.43	44.95	49.13	74.00	-24.87	peak
3	5353.669	8.18	34.43	38.43	46.53	50.71	74.00	-23.29	peak



Mode:I; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 06230CR/06231CR

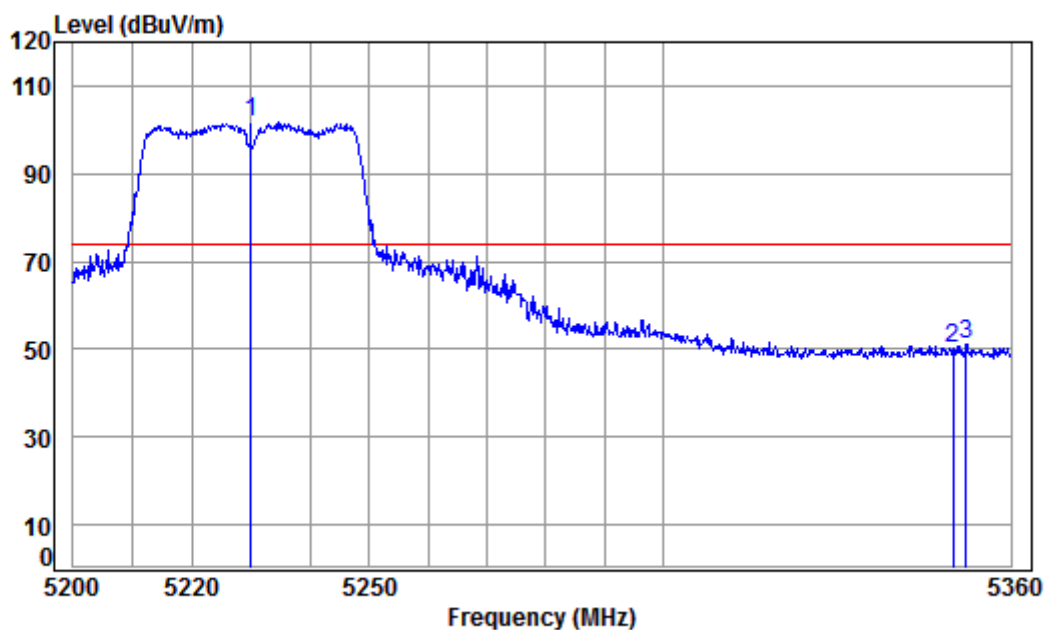
Mode : 5230 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5230.000	8.12	34.45	38.45	84.44	88.56	54.00	34.56 Average
2	5350.000	8.18	34.43	38.43	36.24	40.42	54.00	-13.58 Average
3	5350.749	8.18	34.43	38.43	36.27	40.45	54.00	-13.55 Average



Mode:I; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

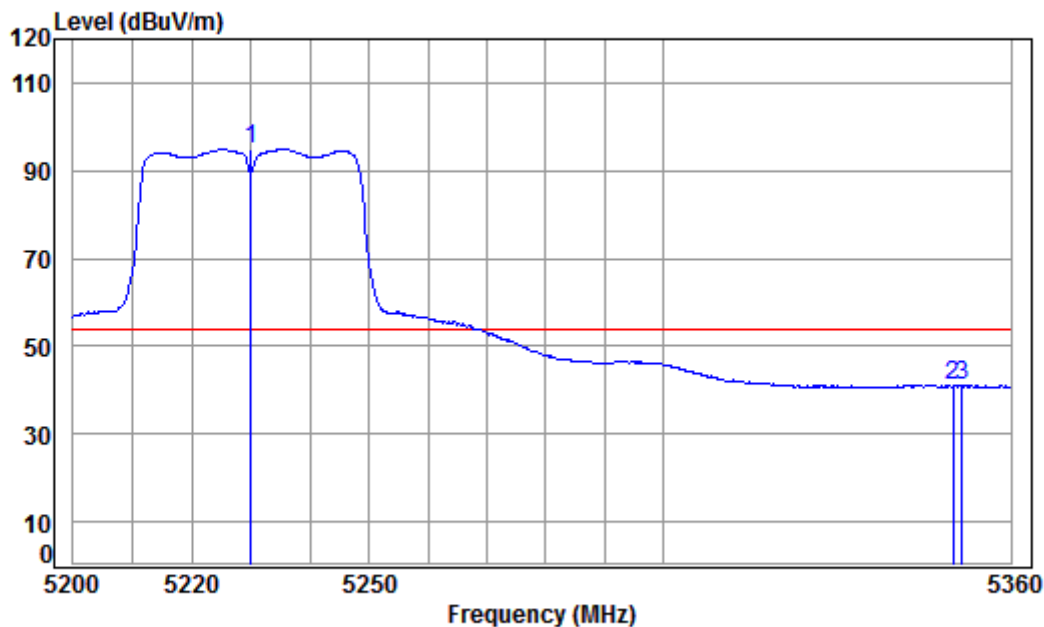
Job No : 06230CR/06231CR

Mode : 5230 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5230.000	8.12	34.45	38.45	97.59	101.71	74.00	27.71	Peak
2	5350.000	8.18	34.43	38.43	45.82	50.00	74.00	-24.00	Peak
3	5352.208	8.18	34.43	38.43	47.12	51.30	74.00	-22.70	Peak

Mode:I; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 06230CR/06231CR

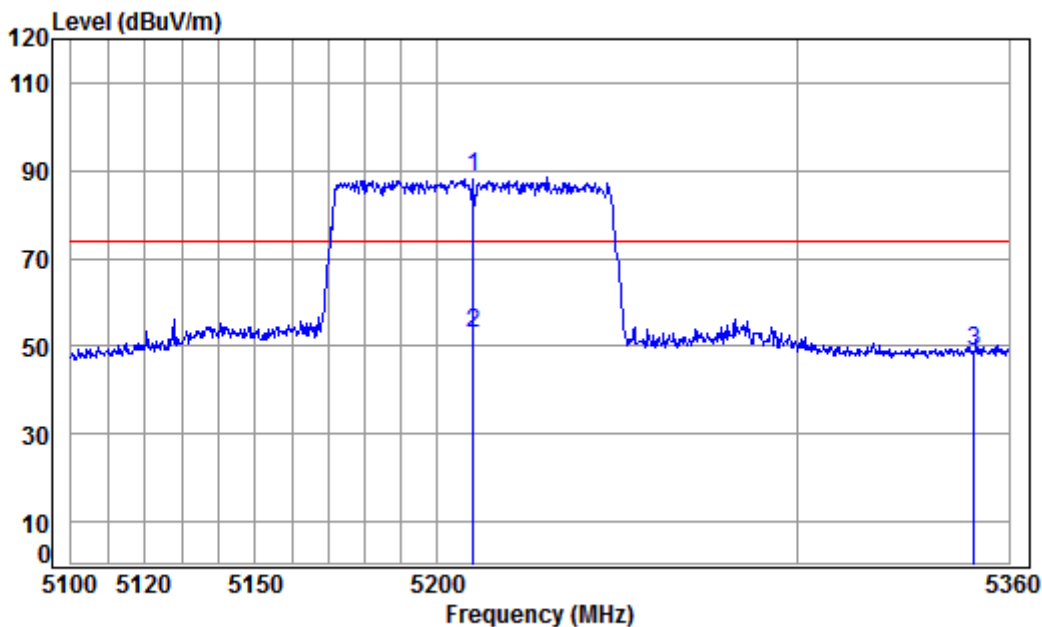
Mode : 5230 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5230.000	8.12	34.45	38.45	90.73	94.85	54.00	40.85	Average
2	5350.000	8.18	34.43	38.43	36.81	40.99	54.00	-13.01	Average
3	5351.560	8.18	34.43	38.43	36.80	40.98	54.00	-13.02	Average



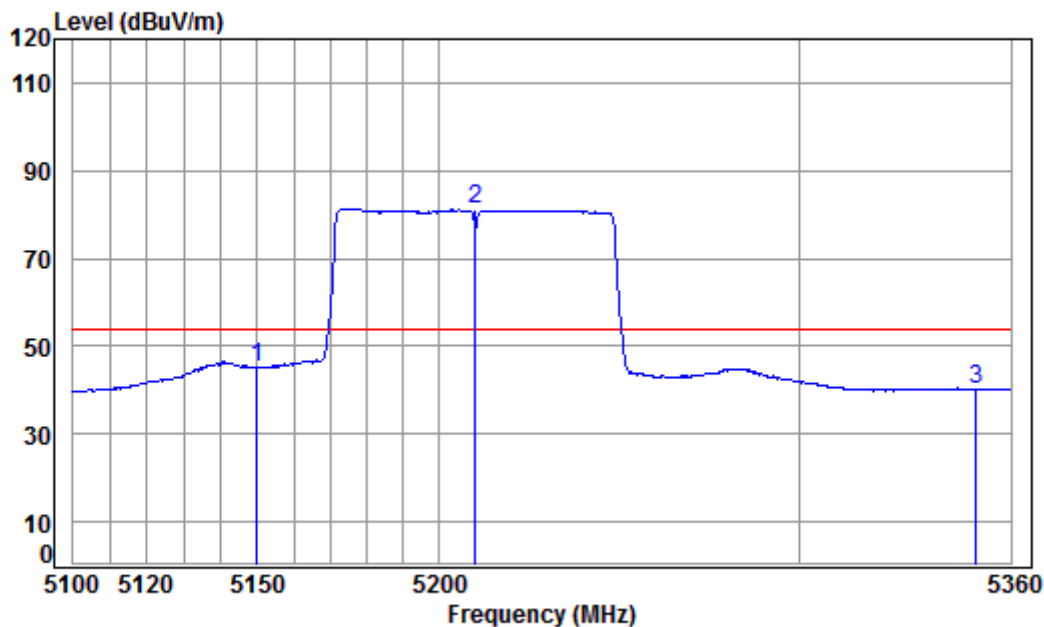
Mode:I; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz;



Condition: 3m HORIZONTAL
Job No : 06230CR/06231CR
Mode : 5210 Band edge
: 5G WIFI-11A80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5210.000	8.11	34.46	38.46	84.36	88.47	74.00	14.47	peak
2	5210.000	8.11	34.46	38.46	48.70	52.81	74.00	-21.19	peak
3	5350.000	8.18	34.43	38.43	44.47	48.65	74.00	-25.35	peak

Mode:l; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz;



Condition: 3m HORIZONTAL

Job No : 06230CR/06231CR

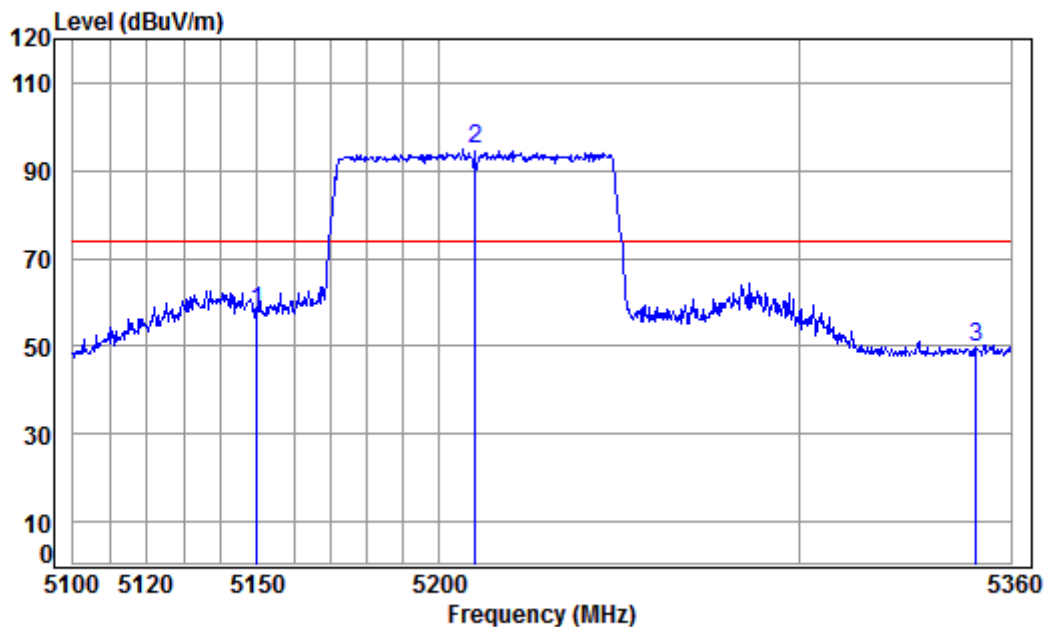
Mode : 5210 Band edge

: 5G WIFI-11A80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	8.08	34.47	38.47	41.16	45.24	54.00	-8.76	Average
2	pp 5210.000	8.11	34.46	38.46	77.16	81.27	54.00	27.27	Average
3	5350.000	8.18	34.43	38.43	36.13	40.31	54.00	-13.69	Average



Mode:l; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz;



Condition: 3m VERTICAL

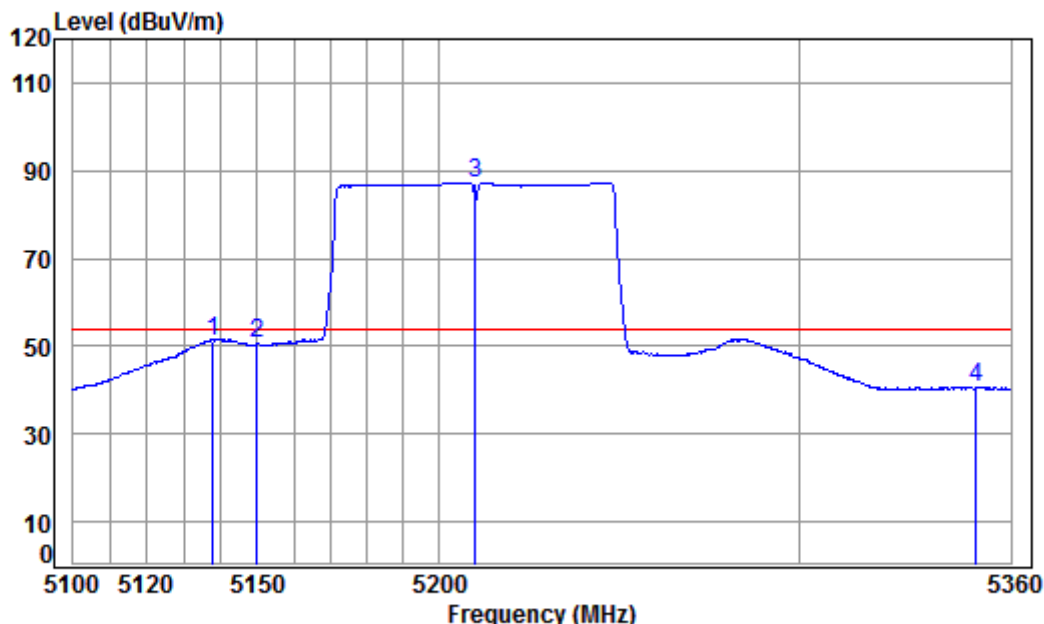
Job No : 06230CR/06231CR

Mode : 5210 Band edge

: 5G WIFI-11A80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	8.08	34.47	38.47	53.94	58.02	74.00	-15.98	Peak
2	pp 5210.000	8.11	34.46	38.46	90.74	94.85	74.00	20.85	Peak
3	5350.000	8.18	34.43	38.43	45.63	49.81	74.00	-24.19	Peak

Mode:I; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz;



Condition: 3m VERTICAL

Job No : 06230CR/06231CR

Mode : 5210 Band edge

: 5G WIFI-11A80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5137.925	8.07	34.47	38.47	46.89	50.96	54.00	-3.04	Average
2	5149.947	8.08	34.47	38.47	46.43	50.51	54.00	-3.49	Average
3	pp 5210.000	8.11	34.46	38.46	83.17	87.28	54.00	33.28	Average
4	5350.000	8.18	34.43	38.43	36.31	40.49	54.00	-13.51	Average



7.13 Frequency Stability

Test Requirement	47 CFR Part 15, Subpart C 15.407 (g)
Test Method:	ANSI C63.10 (2013) Section 6.8
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.



7.13.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

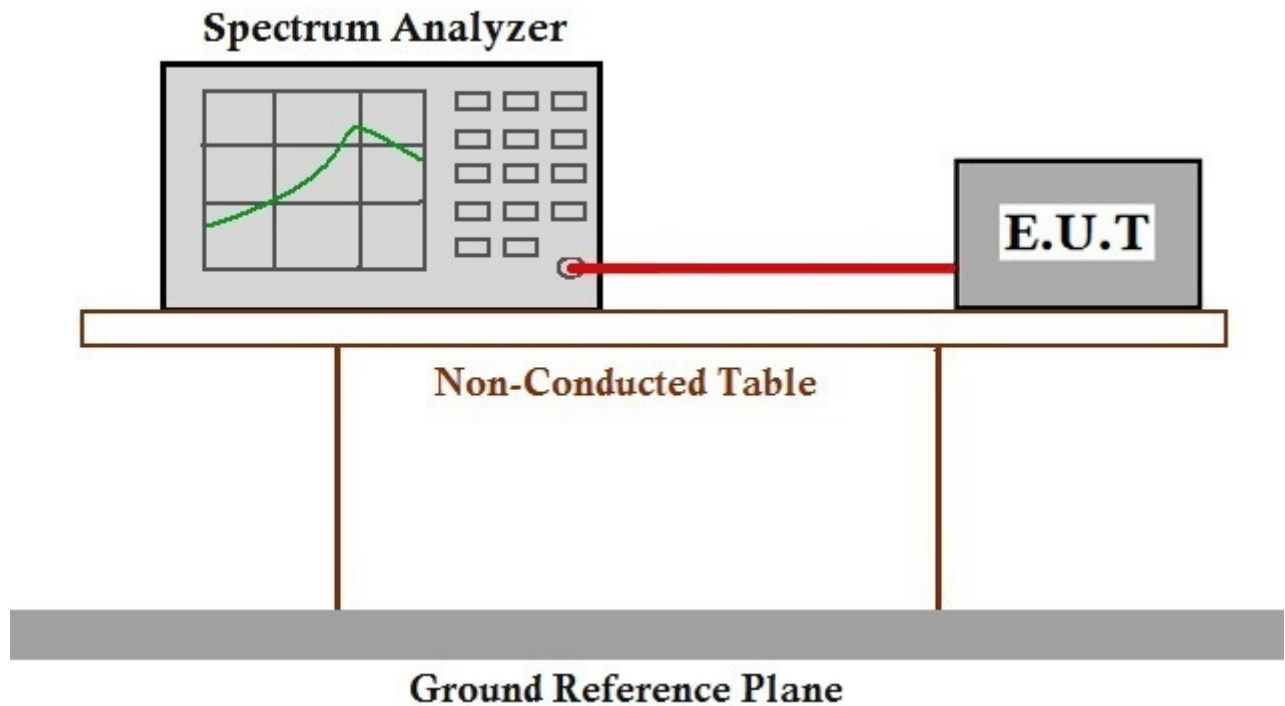
Pretest these mode to find the worst case: h:TX mode (Band 1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

k:TX mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

j:TX mode (Band 2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

i:TX mode (Band 2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.13.2 Test Setup Diagram





7.13.3 Measurement Procedure and Data

Remark: Only the data of Ant.2 is recorded.

Test mode:	802.11a	Frequency(MHz):	5180
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5178.4131	Pass
30		5178.4139	Pass
20		5178.4143	Pass
10		5178.4136	Pass
0		5178.4135	Pass
25	138	5178.4139	Pass
	120	5178.4141	Pass
	102	5178.4131	Pass

Test mode:	802.11a	Frequency(MHz):	5200
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5201.2286	Pass
30		5201.2295	Pass
20		5201.2299	Pass
10		5201.2293	Pass
0		5201.2287	Pass
25	138	5201.2295	Pass
	120	5201.2304	Pass
	102	5201.2286	Pass



Test mode:	802.11a	Frequency(MHz):	5240
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5240.8440	Pass
30		5240.8443	Pass
20		5240.8451	Pass
10		5240.8445	Pass
0		5240.8443	Pass
25	138	5240.8443	Pass
	120	5240.8444	Pass
	102	5240.8440	Pass

Test mode:	802.11a	Frequency(MHz):	5260
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5261.3583	Pass
30		5261.3586	Pass
20		5261.3595	Pass
10		5261.3593	Pass
0		5261.3590	Pass
25	138	5261.3584	Pass
	120	5261.3586	Pass
	102	5261.3593	Pass

Test mode:	802.11a	Frequency(MHz):	5300
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5299.5344	Pass
30		5299.5348	Pass
20		5299.5354	Pass
10		5299.5344	Pass
0		5299.5336	Pass
25	138	5299.5345	Pass
	120	5299.5348	Pass
	102	5299.5351	Pass



Test mode:	802.11a	Frequency(MHz):	5320
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5321.7908	Pass
30		5321.7910	Pass
20		5321.7919	Pass
10		5321.7915	Pass
0		5321.7911	Pass
25	138	5321.7908	Pass
	120	5321.7910	Pass
	102	5321.7918	Pass

Test mode:	802.11a	Frequency(MHz):	5500
------------	---------	-----------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5499.1003	Pass
30		5499.1004	Pass
20		5499.1009	Pass
10		5499.0999	Pass
0		5499.0992	Pass
25	138	5499.1001	Pass
	120	5499.1004	Pass
	102	5499.1009	Pass

Test mode:	802.11a	Frequency(MHz):	5600
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5598.3830	Pass
30		5598.3832	Pass
20		5598.3834	Pass
10		5598.3824	Pass
0		5598.3822	Pass
25	138	5598.3825	Pass
	120	5598.3832	Pass
	102	5598.3842	Pass



Test mode:	802.11a	Frequency(MHz):	5700
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5699.6369	Pass
30		5699.6373	Pass
20		5699.6375	Pass
10		5699.6367	Pass
0		5699.6361	Pass
25	138	5699.6367	Pass
	120	5699.6373	Pass
	102	5699.6380	Pass

Test mode:	802.11a	Frequency(MHz):	5745
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5744.6468	Pass
30		5744.6475	Pass
20		5744.6485	Pass
10		5744.6483	Pass
0		5744.6479	Pass
25	138	5744.6475	Pass
	120	5744.6482	Pass
	102	5744.6468	Pass

Test mode:	802.11a	Frequency(MHz):	5785
------------	---------	-----------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5784.7003	Pass
30		5784.7008	Pass
20		5784.7013	Pass
10		5784.7008	Pass
0		5784.7001	Pass
25	138	5784.7008	Pass
	120	5784.7012	Pass
	102	5784.7003	Pass



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Test mode:	802.11a	Frequency(MHz):	5825
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5823.9275	Pass
30		5823.9283	Pass
20		5823.9291	Pass
10		5823.9284	Pass
0		5823.9275	Pass
25	138	5823.9283	Pass
	120	5823.9284	Pass
	102	5823.9275	Pass



Test mode:	802.11n(HT20)	Frequency(MHz):	5180
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5178.5980	Pass
30		5178.5984	Pass
20		5178.5985	Pass
10		5178.5981	Pass
0		5178.5973	Pass
25	138	5178.5984	Pass
	120	5178.5989	Pass
	102	5178.5980	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5200
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5198.5427	Pass
30		5198.5430	Pass
20		5198.5434	Pass
10		5198.5426	Pass
0		5198.5423	Pass
25	138	5198.5430	Pass
	120	5198.5437	Pass
	102	5198.5427	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5240
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5238.9035	Pass
30		5238.9037	Pass
20		5238.9043	Pass
10		5238.9034	Pass
0		5238.9032	Pass
25	138	5238.9037	Pass
	120	5238.9040	Pass
	102	5238.9035	Pass



Test mode:	802.11n(HT20)	Frequency(MHz):	5240
------------	---------------	-----------------	------

Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5239.5790	Pass
30		5239.5799	Pass
20		5239.5801	Pass
10		5239.5792	Pass
0		5239.5785	Pass
25	138	5239.5791	Pass
	120	5239.5799	Pass
	102	5239.5805	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5260
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5260.4011	Pass
30		5260.4016	Pass
20		5260.4022	Pass
10		5260.4015	Pass
0		5260.4008	Pass
25	138	5260.4013	Pass
	120	5260.4016	Pass
	102	5260.4022	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5300
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5299.7473	Pass
30		5299.7480	Pass
20		5299.7488	Pass
10		5299.7479	Pass
0		5299.7477	Pass
25	138	5299.7473	Pass
	120	5299.7480	Pass
	102	5299.7486	Pass



Test mode:	802.11n(HT20)	Frequency(MHz):	5320
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5320.4691	Pass
30		5320.4693	Pass
20		5320.4701	Pass
10		5320.4696	Pass
0		5320.4689	Pass
25	138	5320.4686	Pass
	120	5320.4693	Pass
	102	5320.4694	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5500
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5501.3889	Pass
30		5501.3893	Pass
20		5501.3901	Pass
10		5501.3894	Pass
0		5501.3886	Pass
25	138	5501.3891	Pass
	120	5501.3893	Pass
	102	5501.3902	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5600
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5598.4929	Pass
30		5598.4939	Pass
20		5598.4945	Pass
10		5598.4942	Pass
0		5598.4932	Pass
25	138	5598.4937	Pass
	120	5598.4939	Pass
	102	5598.4946	Pass



Test mode:	802.11n(HT20)	Frequency(MHz):	5700
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5701.4602	Pass
30		5701.4611	Pass
20		5701.4612	Pass
10		5701.4608	Pass
0		5701.4605	Pass
25	138	5701.4601	Pass
	120	5701.4611	Pass
	102	5701.4615	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5745
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5744.5318	Pass
30		5744.5328	Pass
20		5744.5336	Pass
10		5744.5329	Pass
0		5744.5321	Pass
25	138	5744.5328	Pass
	120	5744.5334	Pass
	102	5744.5318	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5785
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5786.0588	Pass
30		5786.0594	Pass
20		5786.0599	Pass
10		5786.0589	Pass
0		5786.0580	Pass
25	138	5786.0594	Pass
	120	5786.0599	Pass
	102	5786.0588	Pass



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Test mode:	802.11n(HT20)	Frequency(MHz):	5825
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5823.6492	Pass
30		5823.6496	Pass
20		5823.6499	Pass
10		5823.6490	Pass
0		5823.6488	Pass
25	138	5823.6496	Pass
	120	5823.6506	Pass
	102	5823.6492	Pass



Test mode:	802.11n(HT40)	Frequency(MHz):	5190
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5188.4191	Pass
30		5188.4201	Pass
20		5188.4207	Pass
10		5188.4198	Pass
0		5188.4191	Pass
25	138	5188.4201	Pass
	120	5188.4209	Pass
	102	5188.4191	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5230
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5228.8355	Pass
30		5228.8361	Pass
20		5228.8364	Pass
10		5228.8360	Pass
0		5228.8358	Pass
25	138	5228.8361	Pass
	120	5228.8365	Pass
	102	5228.8355	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5270
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5268.5654	Pass
30		5268.5656	Pass
20		5268.5665	Pass
10		5268.5660	Pass
0		5268.5651	Pass
25	138	5268.5647	Pass
	120	5268.5656	Pass
	102	5268.5663	Pass



Test mode:	802.11n(HT40)	Frequency(MHz):	5310
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5310.3642	Pass
30		5310.3648	Pass
20		5310.3650	Pass
10		5310.3648	Pass
0		5310.3647	Pass
25	138	5310.3641	Pass
	120	5310.3648	Pass
	102	5310.3656	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5510
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5508.5613	Pass
30		5508.5615	Pass
20		5508.5623	Pass
10		5508.5617	Pass
0		5508.5612	Pass
25	138	5508.5605	Pass
	120	5508.5615	Pass
	102	5508.5620	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5590
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5589.6470	Pass
30		5589.6475	Pass
20		5589.6482	Pass
10		5589.6477	Pass
0		5589.6468	Pass
25	138	5589.6470	Pass
	120	5589.6475	Pass
	102	5589.6479	Pass



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Test mode:	802.11n(HT40)	Frequency(MHz):	5670
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5669.9544	Pass
30		5669.9549	Pass
20		5669.9557	Pass
10		5669.9555	Pass
0		5669.9548	Pass
25	138	5669.9544	Pass
	120	5669.9549	Pass
	102	5669.9551	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5755
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5755.6756	Pass
30		5755.6762	Pass
20		5755.6766	Pass
10		5755.6759	Pass
0		5755.6757	Pass
25	138	5755.6762	Pass
	120	5755.6771	Pass
	102	5755.6756	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5795
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5795.9232	Pass
30		5795.9242	Pass
20		5795.9247	Pass
10		5795.9246	Pass
0		5795.9240	Pass
25	138	5795.9242	Pass
	120	5795.9248	Pass
	102	5795.9232	Pass



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Test mode:	802.11ac(HT20)	Frequency(MHz):	5180
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5180.8810	Pass
30		5180.8811	Pass
20		5180.8814	Pass
10		5180.8809	Pass
0		5180.8801	Pass
25	138	5180.8811	Pass
	120	5180.8817	Pass
	102	5180.8810	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5200
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5200.9257	Pass
30		5200.9262	Pass
20		5200.9269	Pass
10		5200.9259	Pass
0		5200.9256	Pass
25	138	5200.9262	Pass
	120	5200.9267	Pass
	102	5200.9257	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5240
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5238.2128	Pass
30		5238.2131	Pass
20		5238.2135	Pass
10		5238.2134	Pass
0		5238.2128	Pass
25	138	5238.2125	Pass
	120	5238.2131	Pass
	102	5238.2139	Pass



Test mode:	802.11ac(HT20)	Frequency(MHz):	5260
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5260.8352	Pass
30		5260.8361	Pass
20		5260.8369	Pass
10		5260.8360	Pass
0		5260.8359	Pass
25	138	5260.8352	Pass
	120	5260.8361	Pass
	102	5260.8370	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5300
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5300.9828	Pass
30		5300.9836	Pass
20		5300.9840	Pass
10		5300.9834	Pass
0		5300.9827	Pass
25	138	5300.9827	Pass
	120	5300.9836	Pass
	102	5300.9839	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5320
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5318.8706	Pass
30		5318.8709	Pass
20		5318.8718	Pass
10		5318.8709	Pass
0		5318.8705	Pass
25	138	5318.8705	Pass
	120	5318.8709	Pass
	102	5318.8710	Pass



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Test mode:	802.11ac(HT20)	Frequency(MHz):	5500
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5499.4769	Pass
30		5499.4775	Pass
20		5499.4777	Pass
10		5499.4767	Pass
0		5499.4760	Pass
25	138	5499.4767	Pass
	120	5499.4775	Pass
	102	5499.4781	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5600
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5601.3149	Pass
30		5601.3156	Pass
20		5601.3161	Pass
10		5601.3156	Pass
0		5601.3146	Pass
25	138	5601.3153	Pass
	120	5601.3156	Pass
	102	5601.3161	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5700
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5700.0014	Pass
30		5700.0020	Pass
20		5700.0023	Pass
10		5700.0014	Pass
0		5700.0007	Pass
25	138	5700.0018	Pass
	120	5700.0020	Pass
	102	5700.0030	Pass



Test mode:	802.11ac(HT20)	Frequency(MHz):	5745
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5743.7654	Pass
30		5743.7664	Pass
20		5743.7666	Pass
10		5743.7658	Pass
0		5743.7657	Pass
25	138	5743.7664	Pass
	120	5743.7665	Pass
	102	5743.7654	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5785
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5782.9746	Pass
30		5782.9754	Pass
20		5782.9758	Pass
10		5782.9748	Pass
0		5782.9740	Pass
25	138	5782.9754	Pass
	120	5782.9755	Pass
	102	5782.9746	Pass

Test mode:	802.11ac(HT20)	Frequency(MHz):	5825
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5823.4316	Pass
30		5823.4324	Pass
20		5823.4325	Pass
10		5823.4318	Pass
0		5823.4315	Pass
25	138	5823.4324	Pass
	120	5823.4329	Pass
	102	5823.4316	Pass



Test mode:	802.11ac(HT40)	Frequency(MHz):	5190
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5190.0606	Pass
30		5190.0615	Pass
20		5190.0619	Pass
10		5190.0612	Pass
0		5190.0603	Pass
25	138	5190.0615	Pass
	120	5190.0619	Pass
	102	5190.0606	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5230
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5230.4049	Pass
30		5230.4057	Pass
20		5230.4064	Pass
10		5230.4054	Pass
0		5230.4049	Pass
25	138	5230.4057	Pass
	120	5230.4066	Pass
	102	5230.4049	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5270
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5268.6084	Pass
30		5268.6086	Pass
20		5268.6093	Pass
10		5268.6091	Pass
0		5268.6084	Pass
25	138	5268.6084	Pass
	120	5268.6086	Pass
	102	5268.6091	Pass



Test mode:	802.11ac(HT40)	Frequency(MHz):	5310
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5310.2046	Pass
30		5310.2049	Pass
20		5310.2057	Pass
10		5310.2047	Pass
0		5310.2041	Pass
25	138	5310.2040	Pass
	120	5310.2049	Pass
	102	5310.2055	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5510
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5508.3599	Pass
30		5508.3607	Pass
20		5508.3616	Pass
10		5508.3608	Pass
0		5508.3600	Pass
25	138	5508.3602	Pass
	120	5508.3607	Pass
	102	5508.3613	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5590
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5591.9318	Pass
30		5591.9324	Pass
20		5591.9331	Pass
10		5591.9324	Pass
0		5591.9323	Pass
25	138	5591.9315	Pass
	120	5591.9324	Pass
	102	5591.9331	Pass



Test mode:	802.11ac(HT40)	Frequency(MHz):	5670
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5668.9750	Pass
30		5668.9754	Pass
20		5668.9758	Pass
10		5668.9750	Pass
0		5668.9743	Pass
25	138	5668.9745	Pass
	120	5668.9754	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5755
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5754.5017	Pass
30		5754.5020	Pass
20		5754.5022	Pass
10		5754.5019	Pass
0		5754.5015	Pass
25	138	5754.5020	Pass
	120	5754.5023	Pass
	102	5754.5017	Pass

Test mode:	802.11ac(HT40)	Frequency(MHz):	5795
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5796.8951	Pass
30		5796.8955	Pass
20		5796.8958	Pass
10		5796.8954	Pass
0		5796.8952	Pass
25	138	5796.8955	Pass
	120	5796.8962	Pass
	102	5796.8951	Pass



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Test mode:	802.11ac(HT80)	Frequency(MHz):	5210
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5211.5264	Pass
30		5211.5266	Pass
20		5211.5274	Pass
10		5211.5270	Pass
0		5211.5263	Pass
25	138	5211.5266	Pass
	120	5211.5275	Pass
	102	5211.5264	Pass

Test mode:	802.11ac(HT80)	Frequency(MHz):	5290
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5291.9076	Pass
30		5291.9078	Pass
20		5291.9082	Pass
10		5291.9076	Pass
0		5291.9066	Pass
25	138	5291.9069	Pass
	120	5291.9078	Pass
	102	5291.9085	Pass

Test mode:	802.11ac(HT80)	Frequency(MHz):	5530
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5528.1941	Pass
30		5528.1947	Pass
20		5528.1952	Pass
10		5528.1943	Pass
0		5528.1934	Pass
25	138	5528.1942	Pass
	120	5528.1947	Pass
	102	5528.1952	Pass



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Test mode:	802.11ac(HT80)	Frequency(MHz):	5610
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5611.4973	Pass
30		5611.4980	Pass
20		5611.4981	Pass
10		5611.4976	Pass
0		5611.4968	Pass
25	138	5611.4970	Pass
	120	5611.4980	Pass
	102	5611.4987	Pass

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775
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Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Result
40	120	5773.6658	Pass
30		5773.6660	Pass
20		5773.6665	Pass
10		5773.6658	Pass
0		5773.6655	Pass
25	138	5773.6656	Pass
	120	5773.6660	Pass
	102	5773.6663	Pass



8 Appendix

8.1 Appendix 15.407

1.Emission Bandwidth Measurement

Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	20.250	---	PASS
11A	5180	Ant2	20.130	---	PASS
11A	5200	Ant1	20.070	---	PASS
11A	5200	Ant2	20.130	---	PASS
11A	5240	Ant1	20.070	---	PASS
11A	5240	Ant2	20.100	---	PASS
11A	5260	Ant1	20.160	---	PASS
11A	5260	Ant2	20.070	---	PASS
11A	5300	Ant1	20.220	---	PASS
11A	5300	Ant2	20.130	---	PASS
11A	5320	Ant1	20.100	---	PASS
11A	5320	Ant2	20.070	---	PASS
11A	5500	Ant1	20.130	---	PASS
11A	5500	Ant2	20.310	---	PASS
11A	5580	Ant1	20.220	---	PASS
11A	5580	Ant2	20.160	---	PASS
11A	5600	Ant1	20.220	---	PASS
11A	5600	Ant2	20.130	---	PASS
11A	5700	Ant1	20.220	---	PASS
11A	5700	Ant2	20.190	---	PASS
11A	5745	Ant1	16.620	≥ 0.5	PASS
11A	5745	Ant2	16.620	≥ 0.5	PASS
11A	5785	Ant1	16.620	≥ 0.5	PASS
11A	5785	Ant2	16.620	≥ 0.5	PASS
11A	5825	Ant1	16.590	≥ 0.5	PASS
11A	5825	Ant2	16.620	≥ 0.5	PASS
11N20	5180	Ant1	20.490	---	PASS
11N20	5180	Ant2	20.610	---	PASS



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11N20	5200	Ant1	20.550	---	PASS
11N20	5200	Ant2	20.550	---	PASS
11N20	5240	Ant1	20.460	---	PASS
11N20	5240	Ant2	20.460	---	PASS
11N20	5260	Ant1	20.550	---	PASS
11N20	5260	Ant2	20.430	---	PASS
11N20	5300	Ant1	20.520	---	PASS
11N20	5300	Ant2	20.610	---	PASS
11N20	5320	Ant1	20.520	---	PASS
11N20	5320	Ant2	20.430	---	PASS
11N20	5500	Ant1	20.400	---	PASS
11N20	5500	Ant2	20.520	---	PASS
11N20	5580	Ant1	20.580	---	PASS
11N20	5580	Ant2	20.580	---	PASS
11N20	5600	Ant1	20.400	---	PASS
11N20	5600	Ant2	20.400	---	PASS
11N20	5700	Ant1	20.490	---	PASS
11N20	5700	Ant2	20.520	---	PASS
11N20	5745	Ant1	17.700	>=0.5	PASS
11N20	5745	Ant2	17.700	>=0.5	PASS
11N20	5785	Ant1	17.730	>=0.5	PASS
11N20	5785	Ant2	17.790	>=0.5	PASS
11N20	5825	Ant1	17.730	>=0.5	PASS
11N20	5825	Ant2	17.700	>=0.5	PASS
11N40	5190	Ant1	40.800	---	PASS
11N40	5190	Ant2	41.160	---	PASS
11N40	5230	Ant1	40.920	---	PASS
11N40	5230	Ant2	41.160	---	PASS
11N40	5270	Ant1	41.220	---	PASS
11N40	5270	Ant2	41.280	---	PASS
11N40	5310	Ant1	40.920	---	PASS
11N40	5310	Ant2	41.220	---	PASS
11N40	5510	Ant1	41.280	---	PASS
11N40	5510	Ant2	41.460	---	PASS



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11N40	5550	Ant1	41.040	---	PASS
11N40	5550	Ant2	41.160	---	PASS
11N40	5590	Ant1	41.340	---	PASS
11N40	5590	Ant2	41.220	---	PASS
11N40	5670	Ant1	41.040	---	PASS
11N40	5670	Ant2	41.400	---	PASS
11N40	5755	Ant1	36.480	≥ 0.5	PASS
11N40	5755	Ant2	36.480	≥ 0.5	PASS
11N40	5795	Ant1	36.600	≥ 0.5	PASS
11N40	5795	Ant2	36.480	≥ 0.5	PASS
11AC20	5180	Ant1	20.550	---	PASS
11AC20	5180	Ant2	20.430	---	PASS
11AC20	5200	Ant1	20.490	---	PASS
11AC20	5200	Ant2	21.480	---	PASS
11AC20	5240	Ant1	21.330	---	PASS
11AC20	5240	Ant2	20.460	---	PASS
11AC20	5260	Ant1	21.450	---	PASS
11AC20	5260	Ant2	23.670	---	PASS
11AC20	5300	Ant1	24.030	---	PASS
11AC20	5300	Ant2	21.990	---	PASS
11AC20	5320	Ant1	21.750	---	PASS
11AC20	5320	Ant2	23.640	---	PASS
11AC20	5500	Ant1	21.300	---	PASS
11AC20	5500	Ant2	21.180	---	PASS
11AC20	5580	Ant1	26.190	---	PASS
11AC20	5580	Ant2	23.760	---	PASS
11AC20	5600	Ant1	26.820	---	PASS
11AC20	5600	Ant2	24.000	---	PASS
11AC20	5700	Ant1	26.310	---	PASS
11AC20	5700	Ant2	23.580	---	PASS
11AC20	5745	Ant1	17.760	≥ 0.5	PASS
11AC20	5745	Ant2	17.730	≥ 0.5	PASS
11AC20	5785	Ant1	17.700	≥ 0.5	PASS
11AC20	5785	Ant2	17.700	≥ 0.5	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

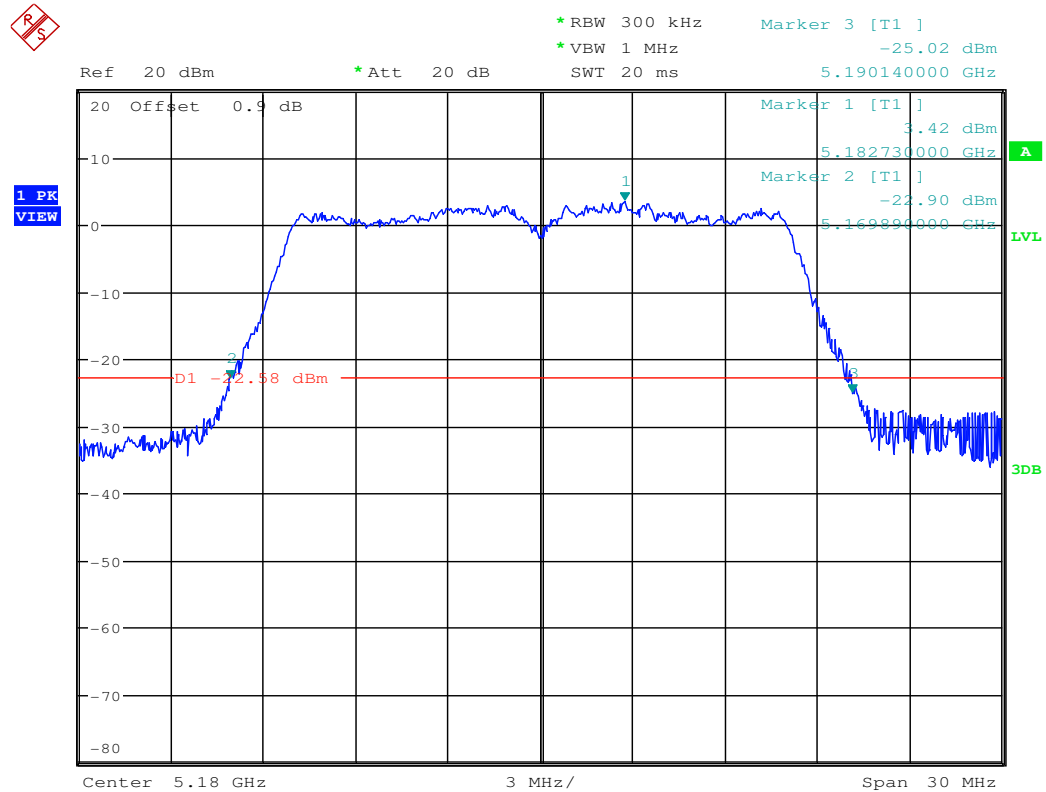
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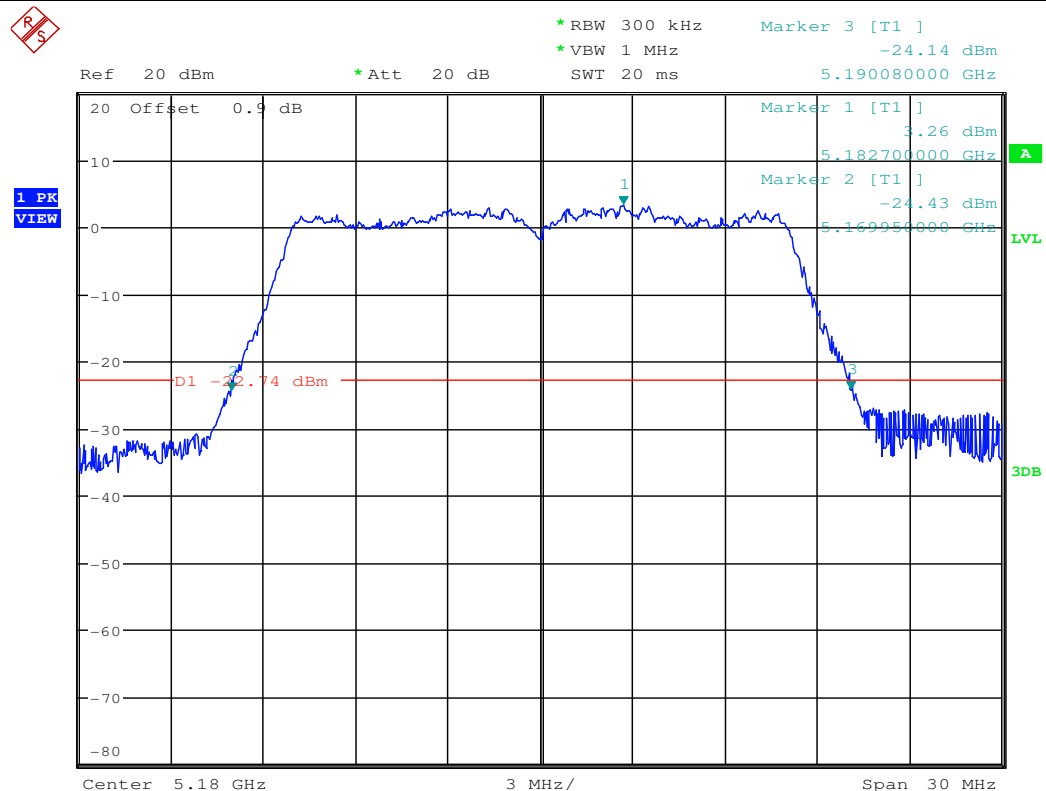
11AC20	5825	Ant1	17.790	>=0.5	PASS
11AC20	5825	Ant2	17.730	>=0.5	PASS
11AC40	5190	Ant1	49.560	---	PASS
11AC40	5190	Ant2	40.800	---	PASS
11AC40	5230	Ant1	48.420	---	PASS
11AC40	5230	Ant2	41.100	---	PASS
11AC40	5270	Ant1	49.920	---	PASS
11AC40	5270	Ant2	41.100	---	PASS
11AC40	5310	Ant1	50.040	---	PASS
11AC40	5310	Ant2	41.100	---	PASS
11AC40	5510	Ant1	49.860	---	PASS
11AC40	5510	Ant2	40.920	---	PASS
11AC40	5550	Ant1	51.960	---	PASS
11AC40	5550	Ant2	41.340	---	PASS
11AC40	5590	Ant1	51.720	---	PASS
11AC40	5590	Ant2	41.040	---	PASS
11AC40	5670	Ant1	51.780	---	PASS
11AC40	5670	Ant2	41.220	---	PASS
11AC40	5755	Ant1	36.480	>=0.5	PASS
11AC40	5755	Ant2	36.480	>=0.5	PASS
11AC40	5795	Ant1	36.480	>=0.5	PASS
11AC40	5795	Ant2	36.480	>=0.5	PASS
11AC80	5210	Ant1	82.320	---	PASS
11AC80	5210	Ant2	82.440	---	PASS
11AC80	5290	Ant1	82.440	---	PASS
11AC80	5290	Ant2	82.440	---	PASS
11AC80	5530	Ant1	82.440	---	PASS
11AC80	5530	Ant2	82.680	---	PASS
11AC80	5610	Ant1	82.320	---	PASS
11AC80	5610	Ant2	118.200	---	PASS
11AC80	5775	Ant1	76.800	>=0.5	PASS
11AC80	5775	Ant2	76.800	>=0.5	PASS

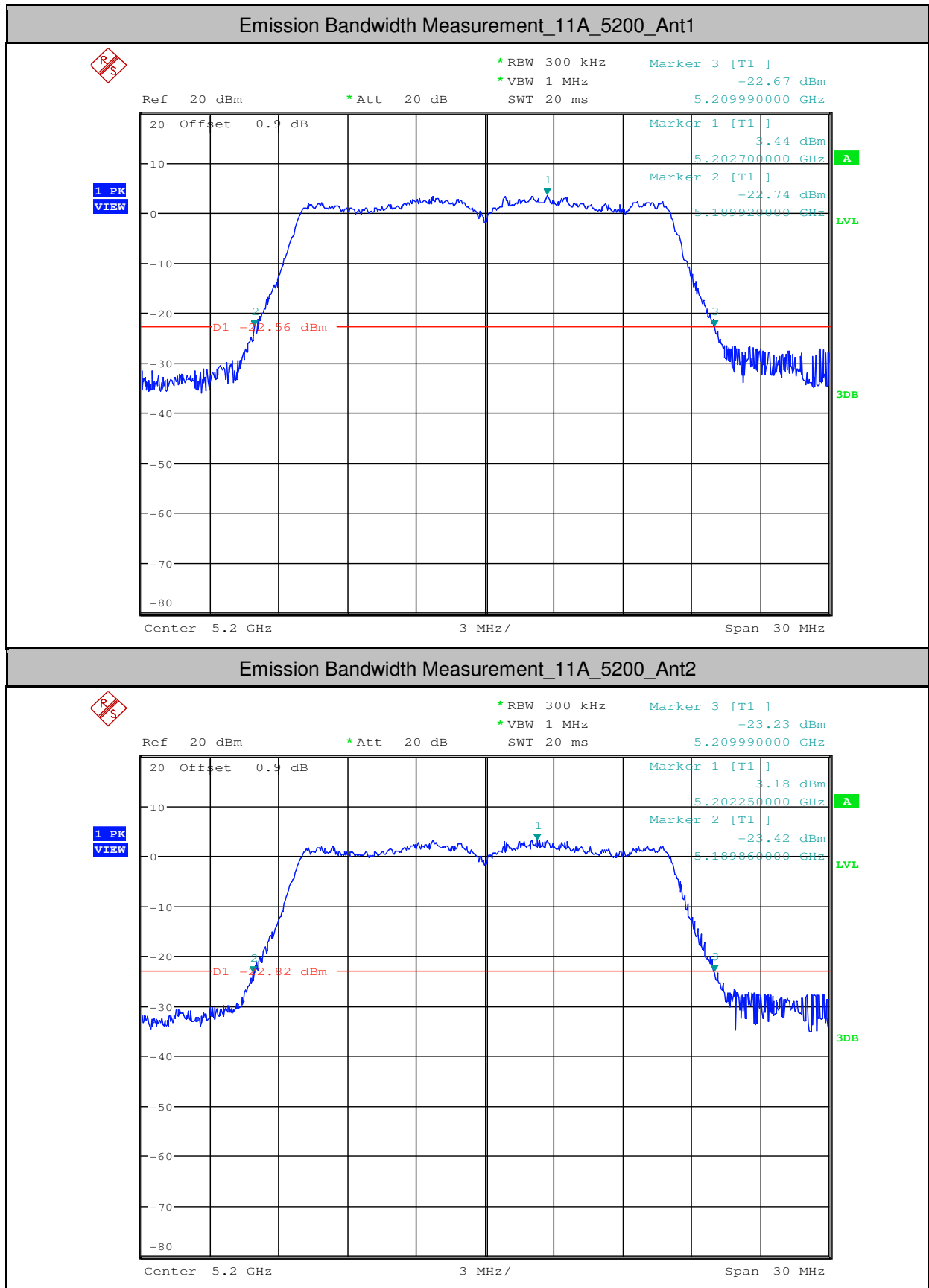


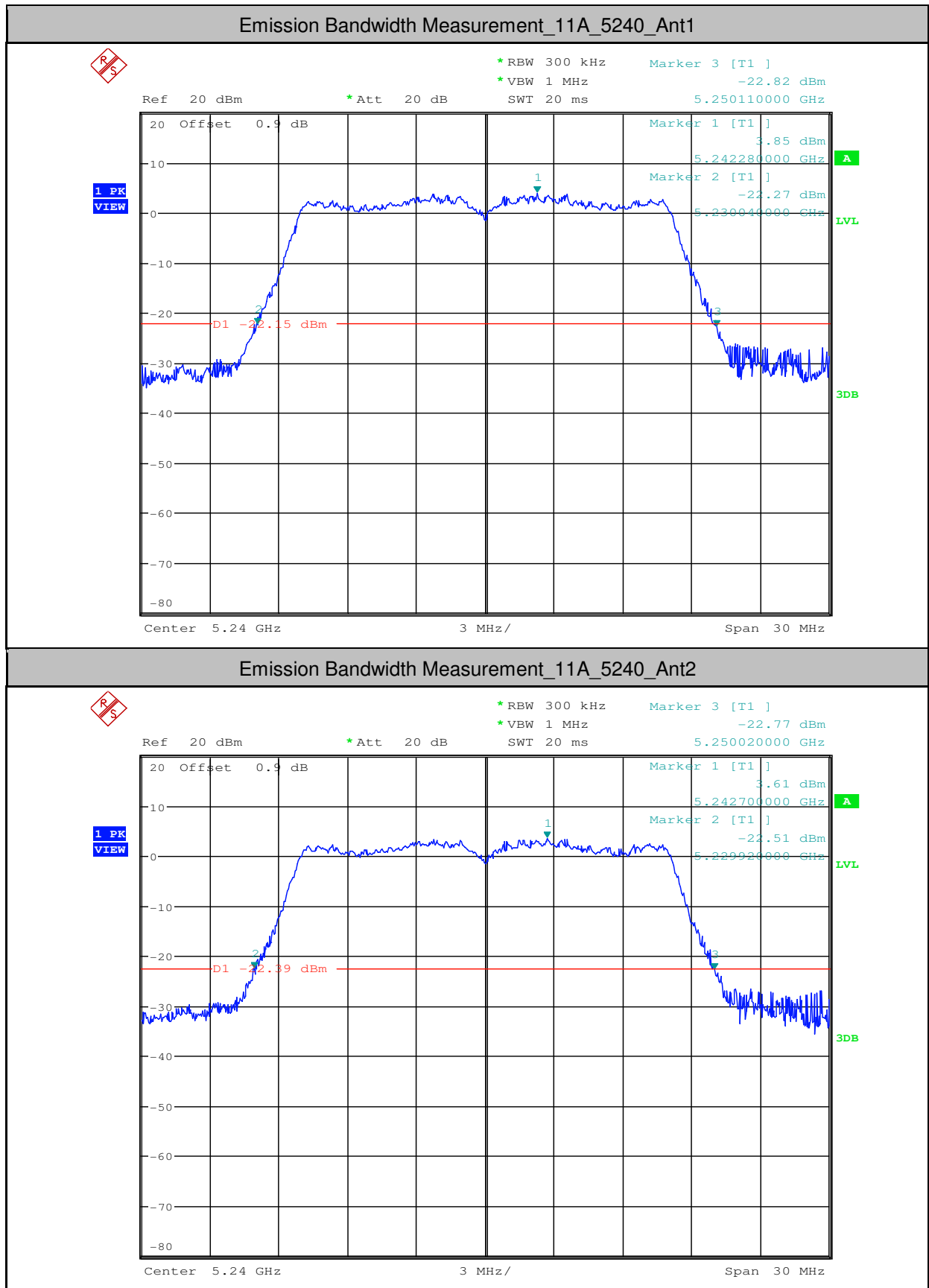
Emission Bandwidth Measurement_11A_5180_Ant1



Emission Bandwidth Measurement_11A_5180_Ant2

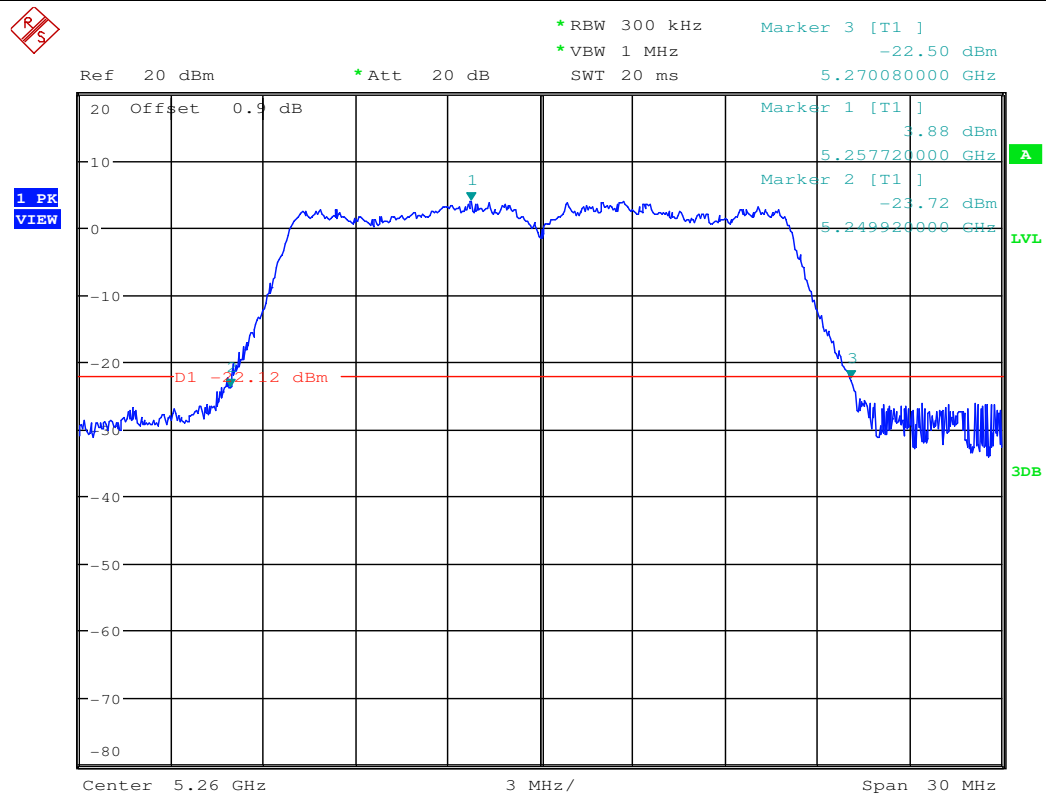




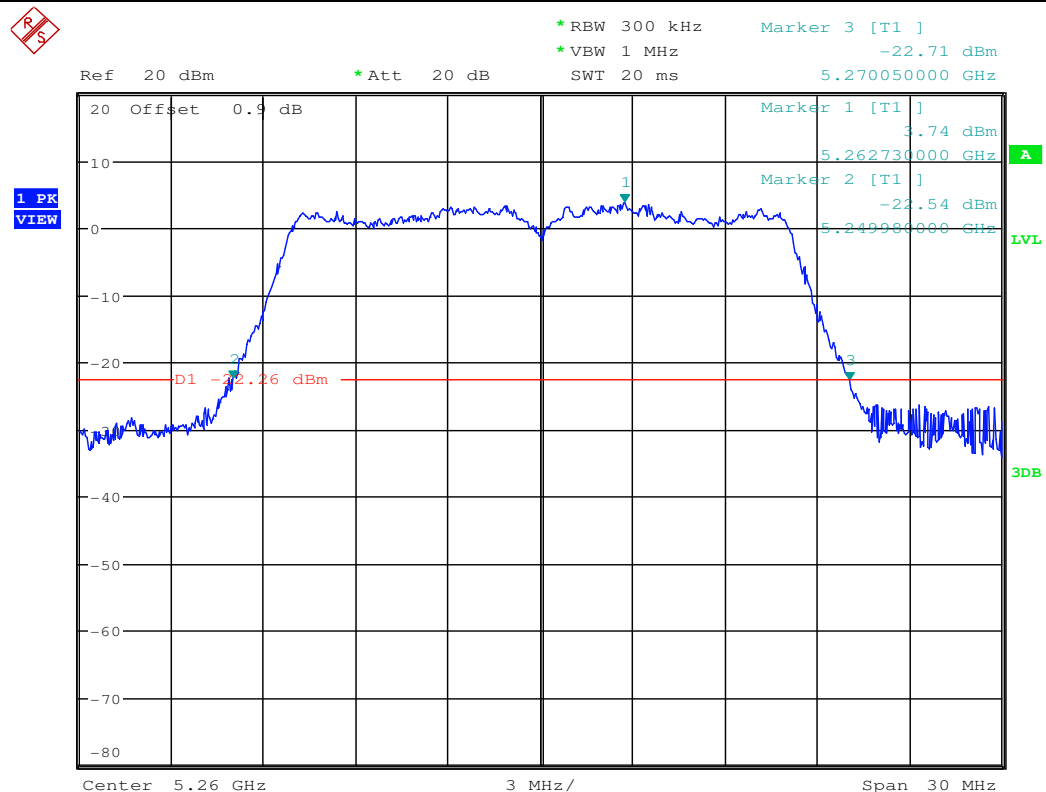


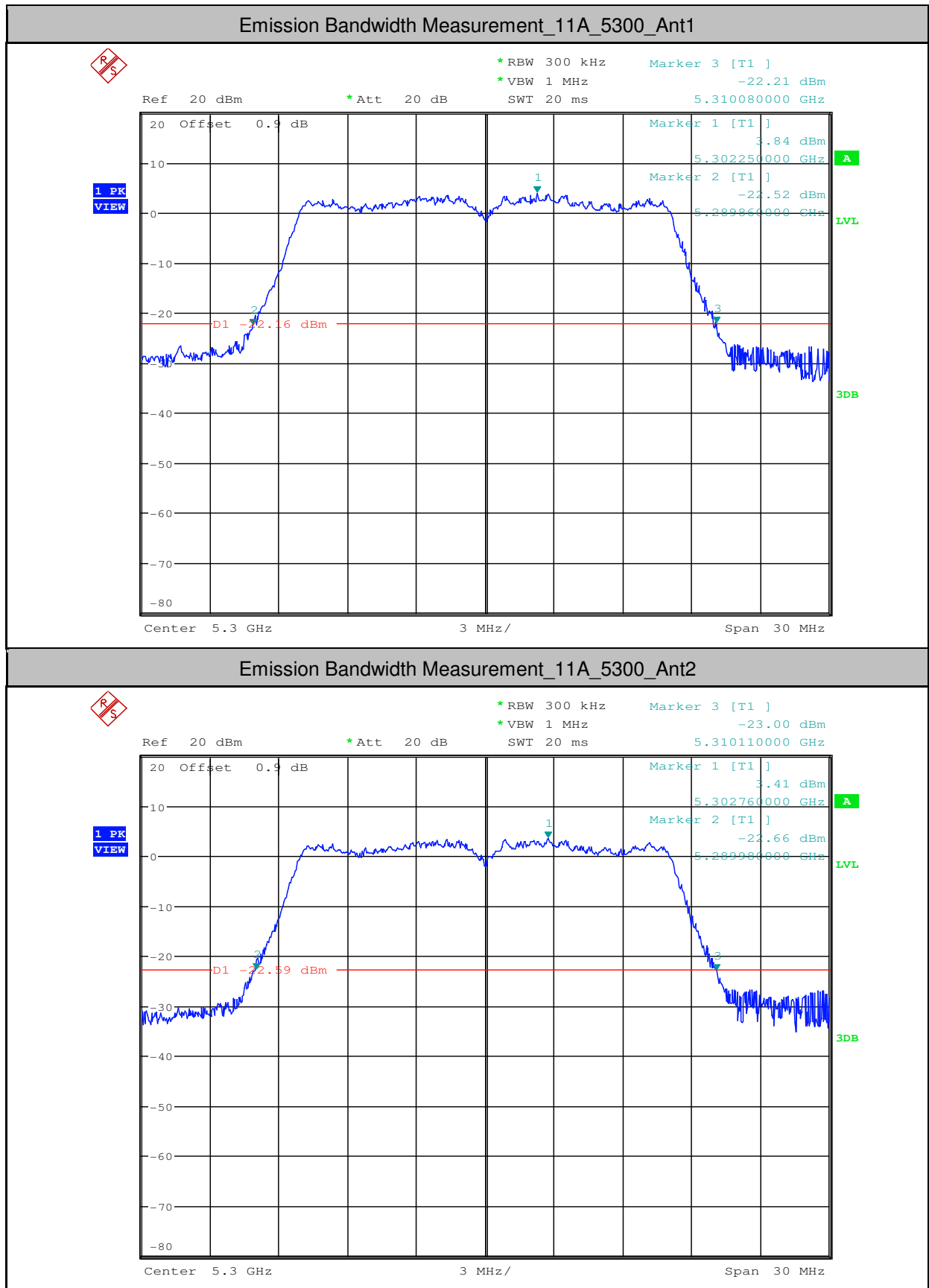


Emission Bandwidth Measurement_11A_5260_Ant1



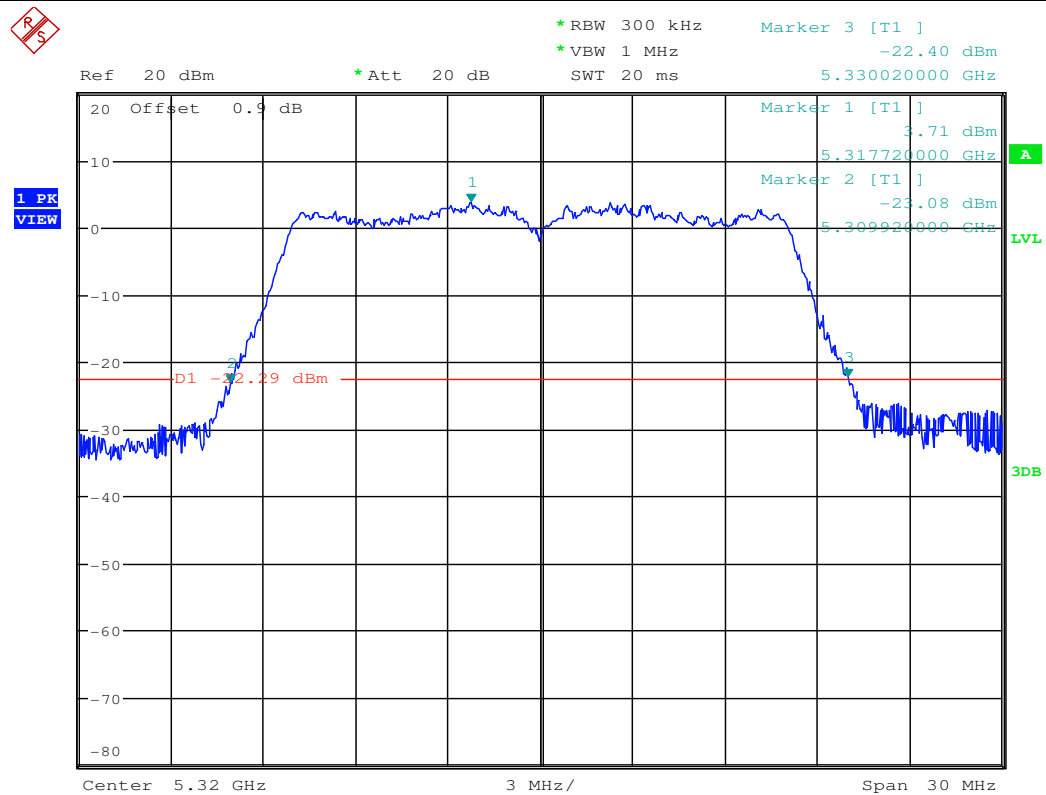
Emission Bandwidth Measurement_11A_5260_Ant2



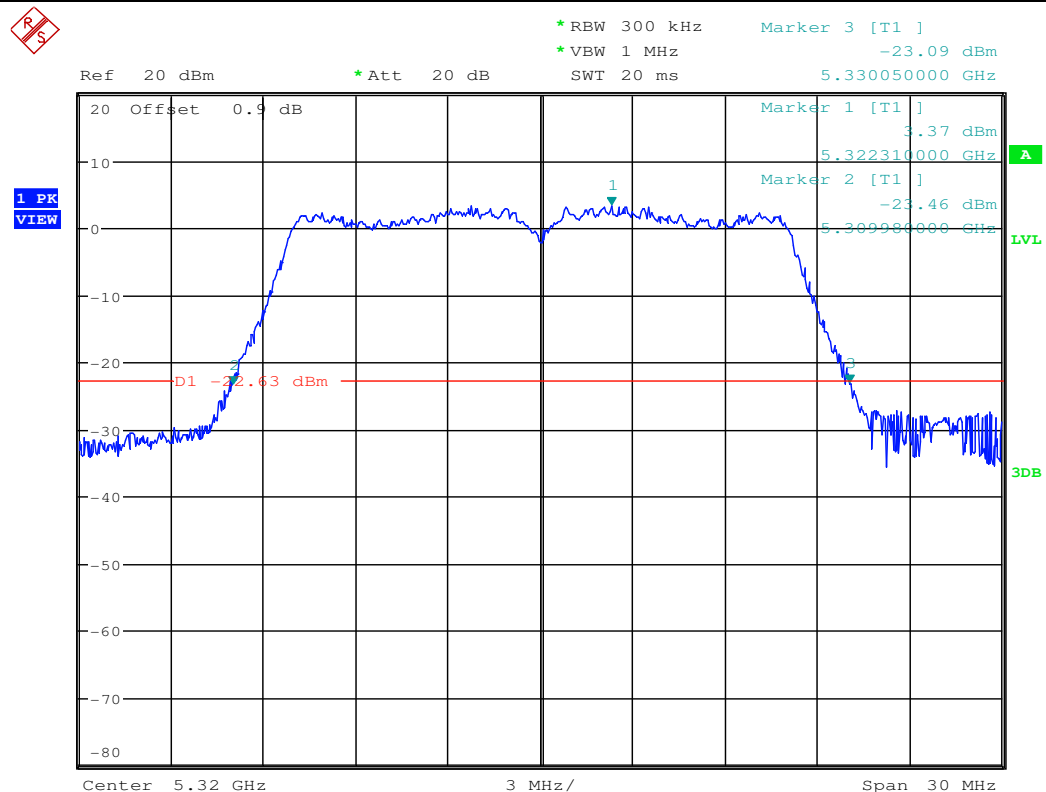


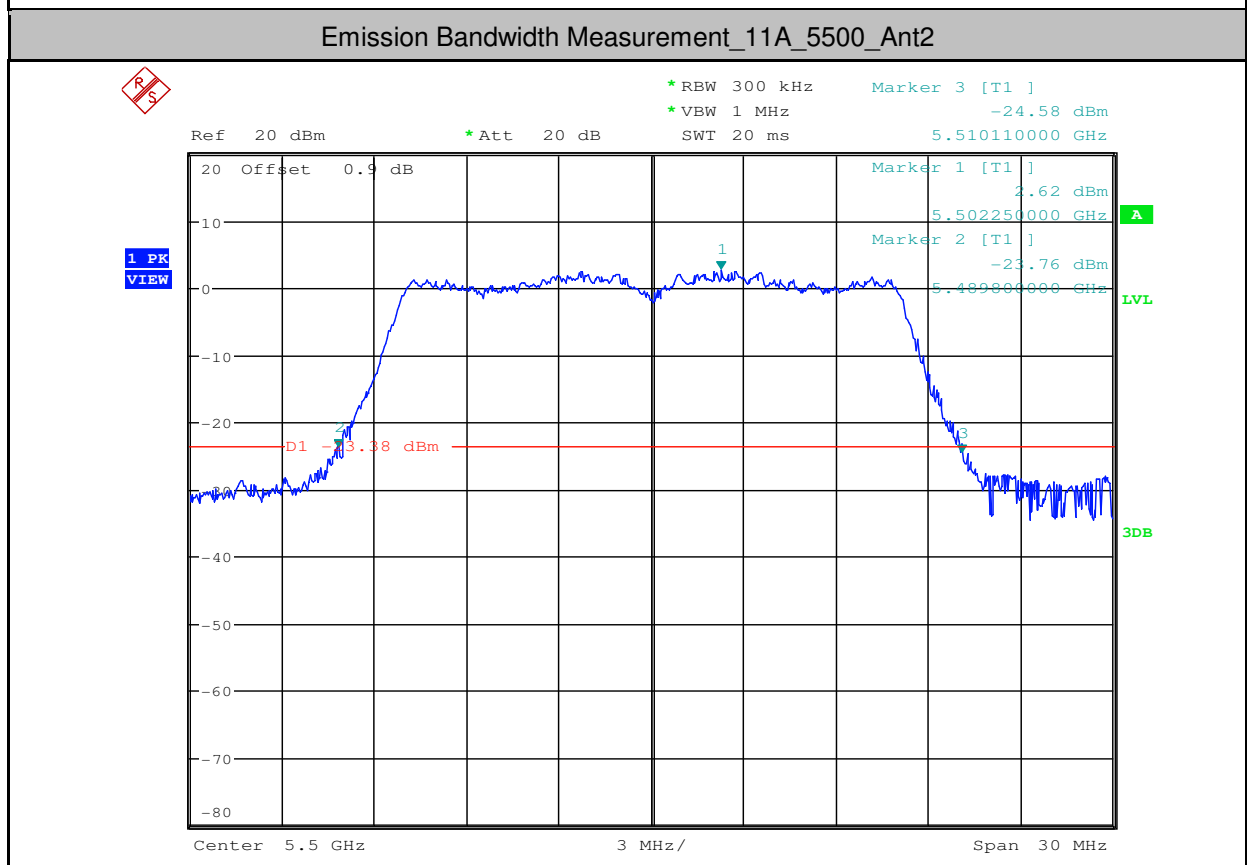
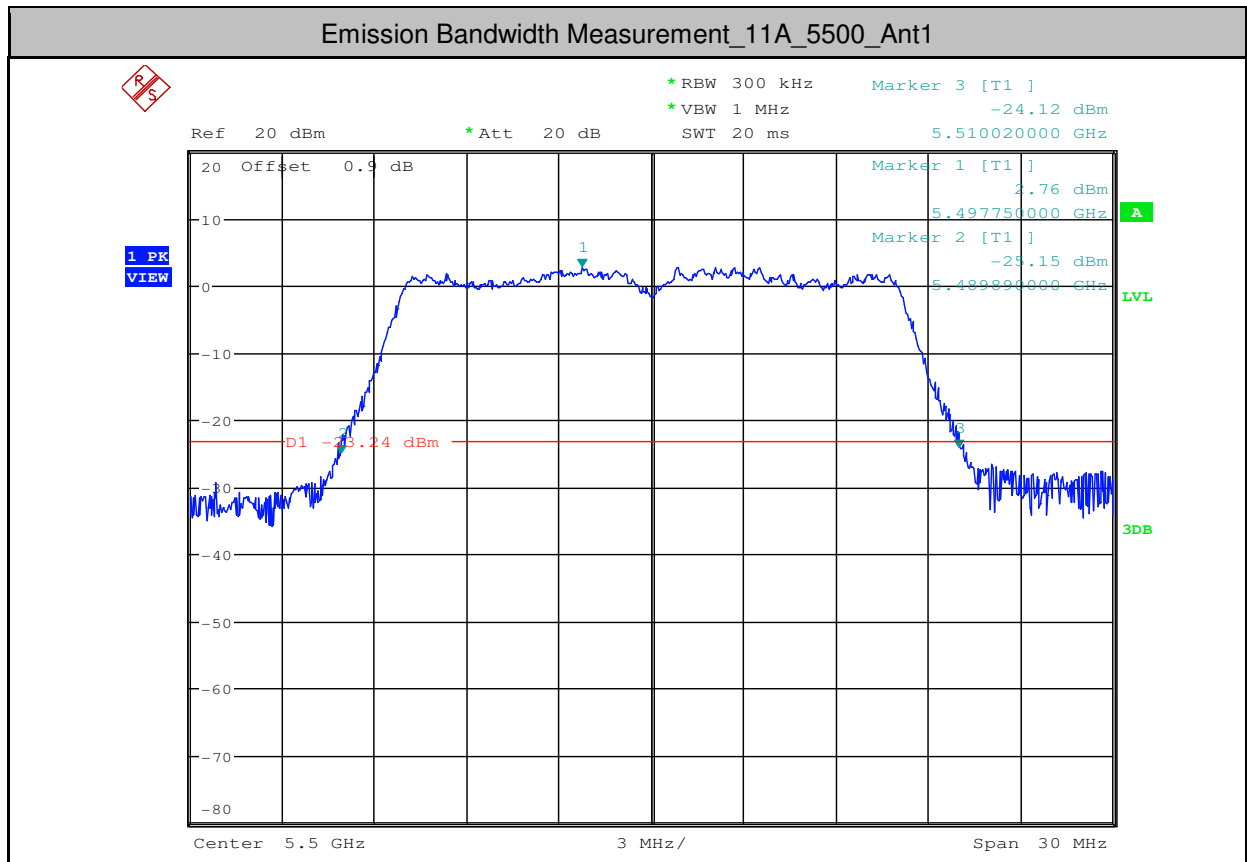


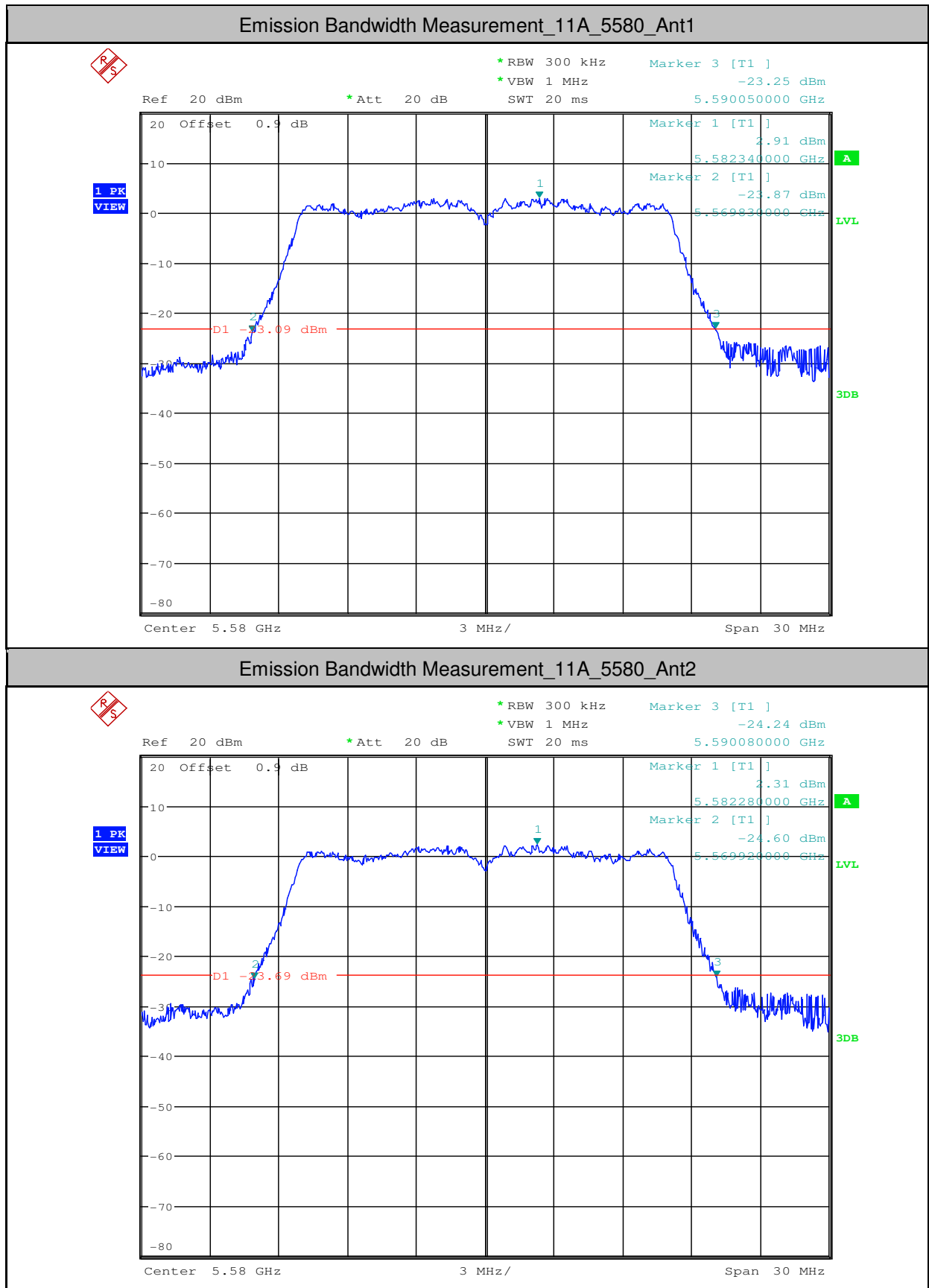
Emission Bandwidth Measurement_11A_5320_Ant1

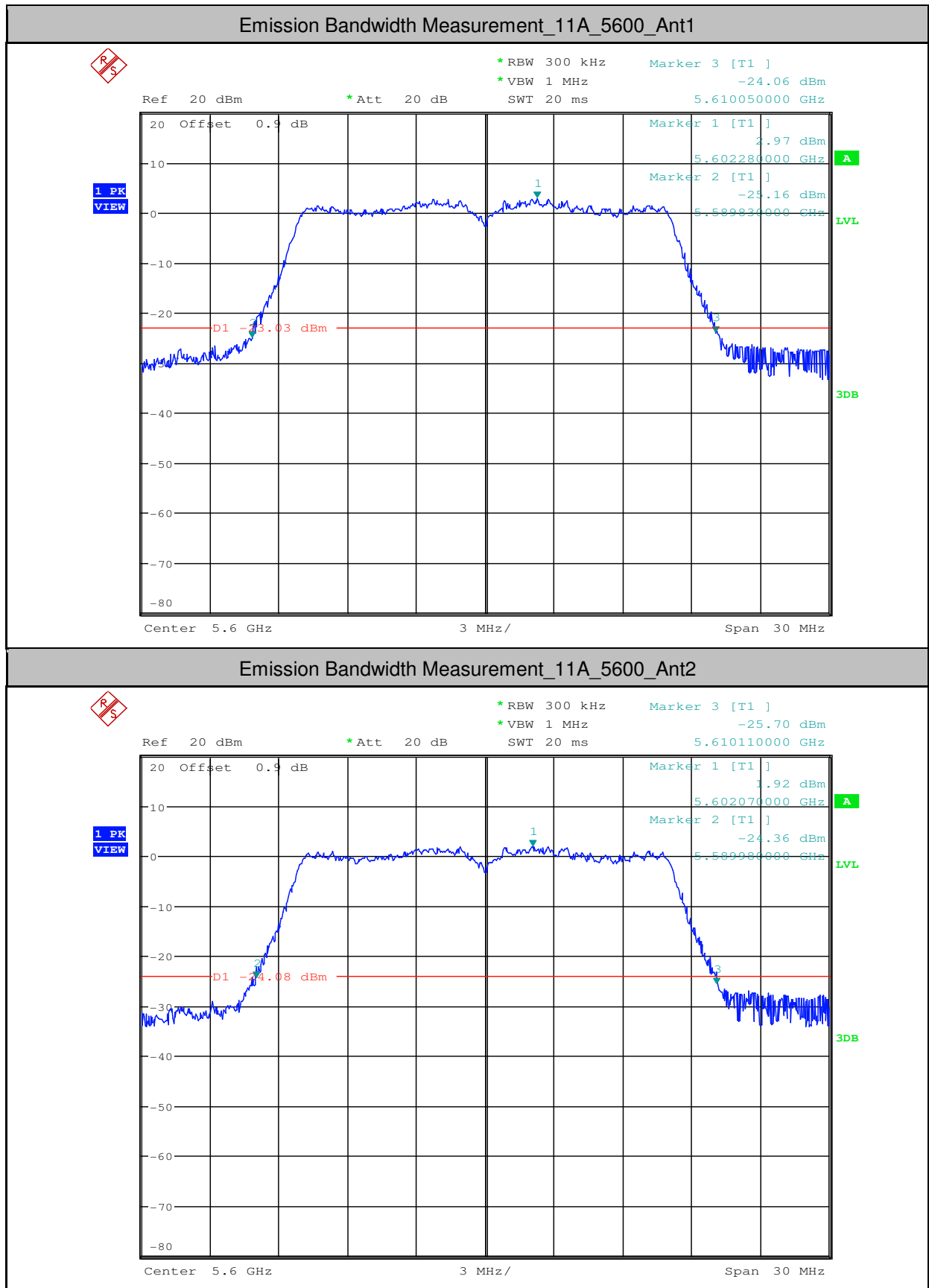


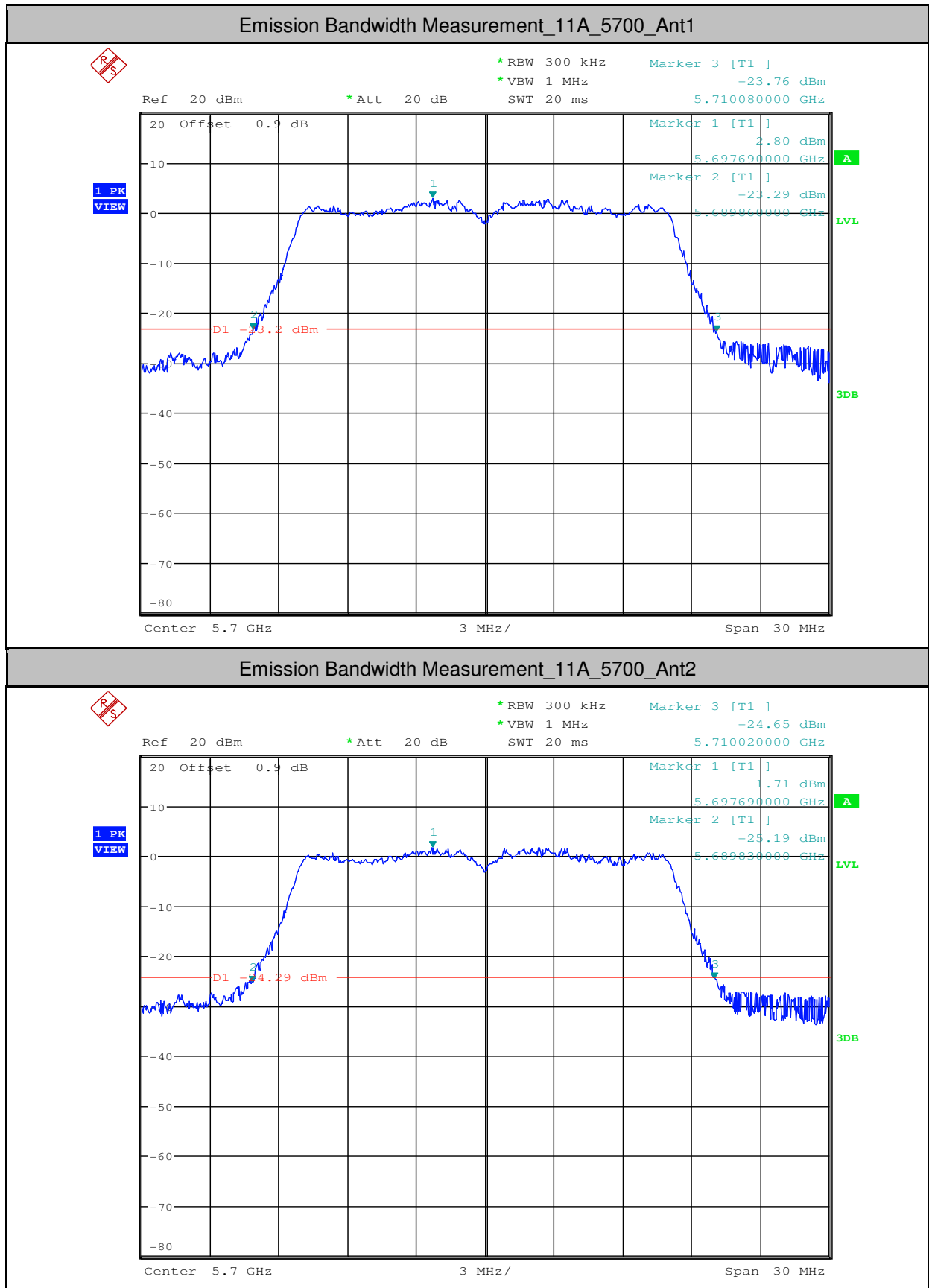
Emission Bandwidth Measurement_11A_5320_Ant2

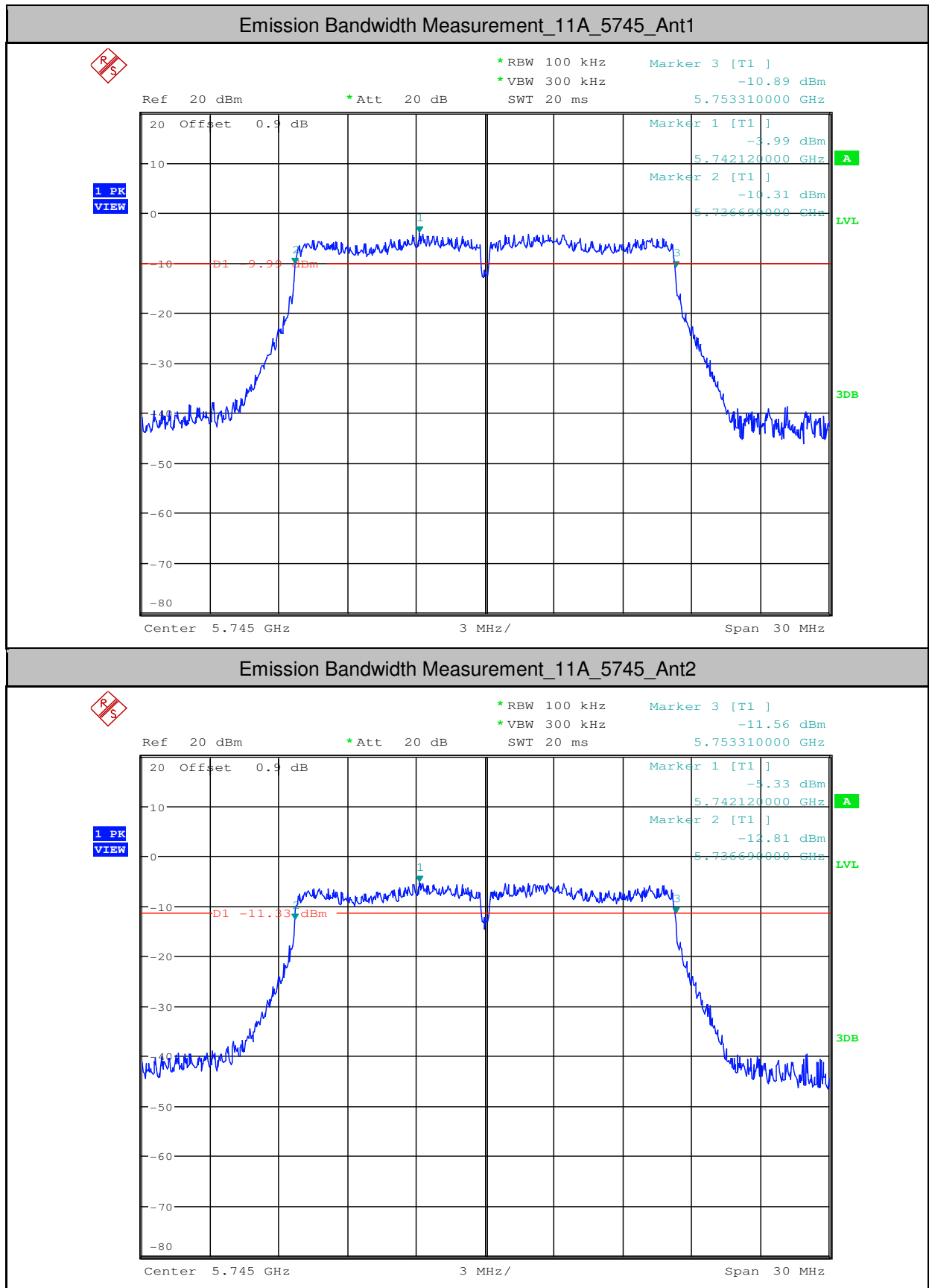


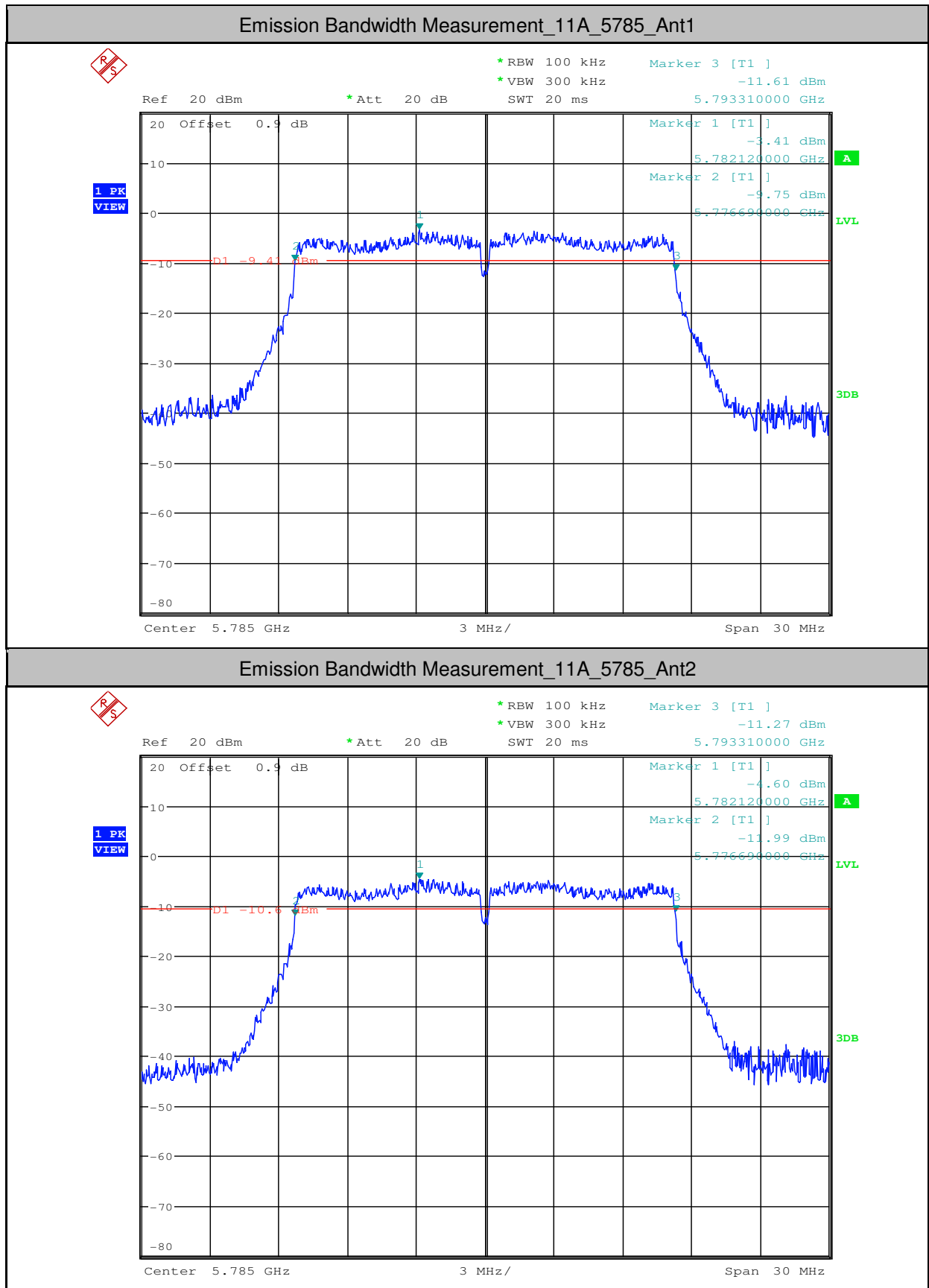


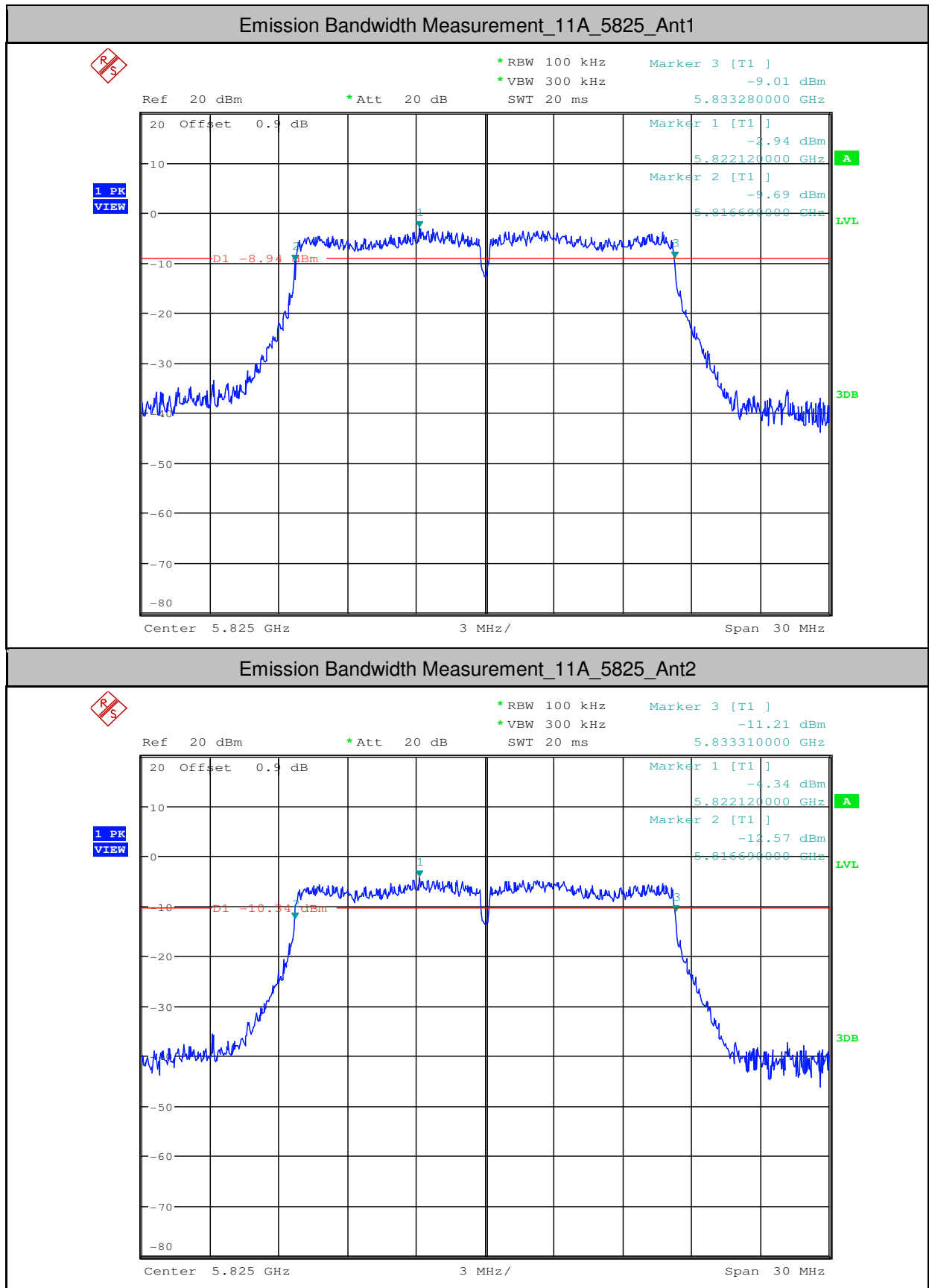






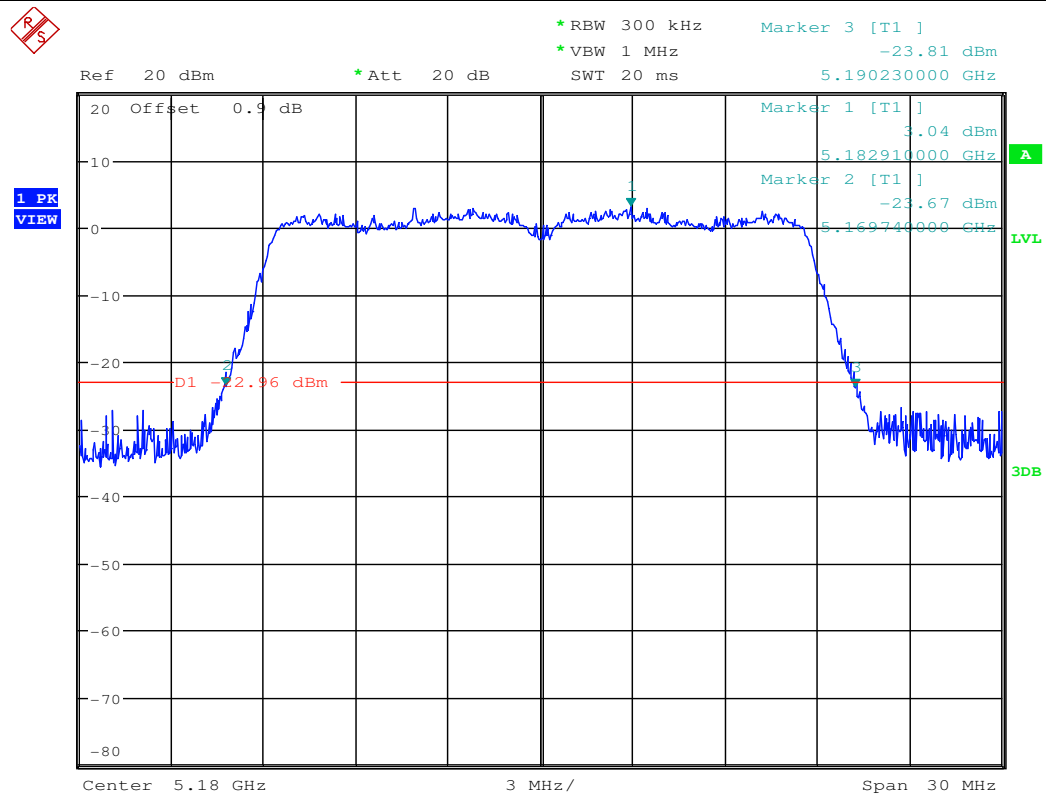




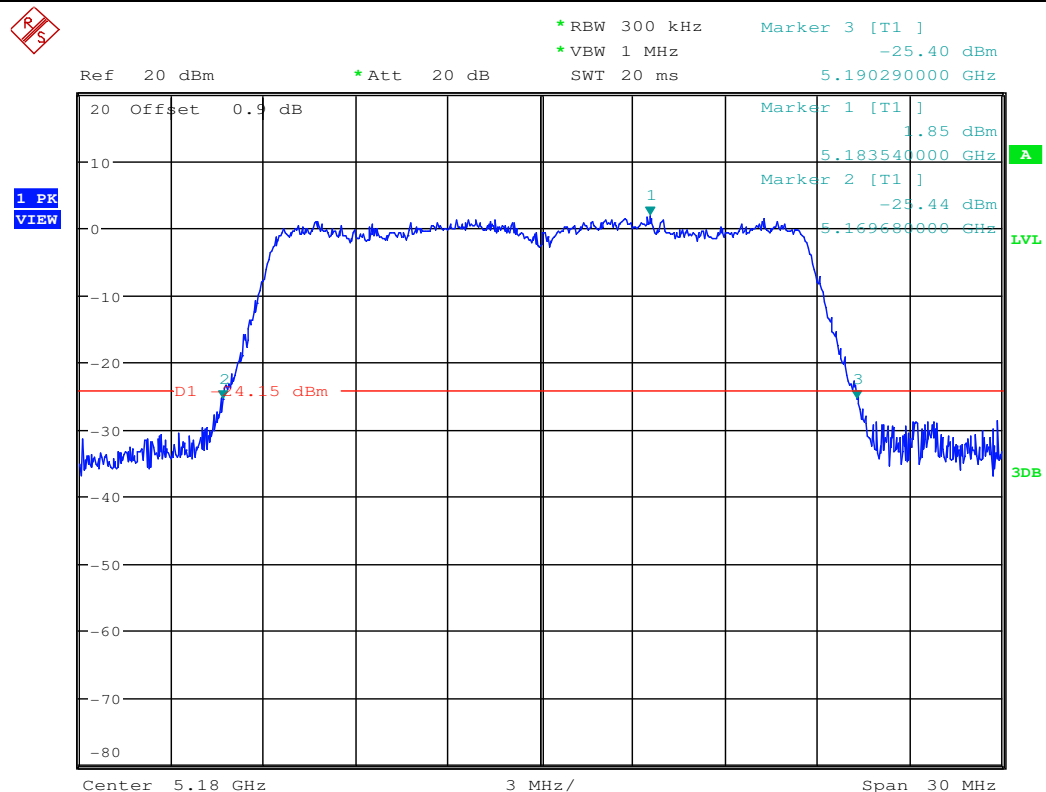




Emission Bandwidth Measurement_11N20_5180_Ant1

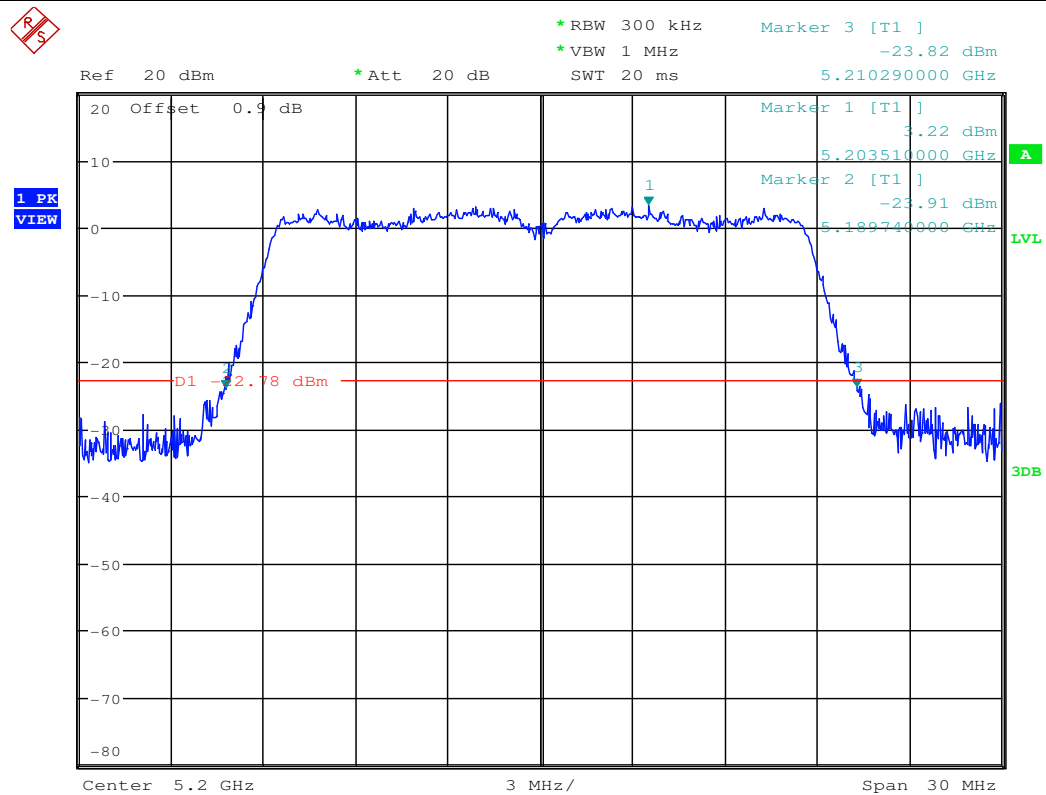


Emission Bandwidth Measurement_11N20_5180_Ant2

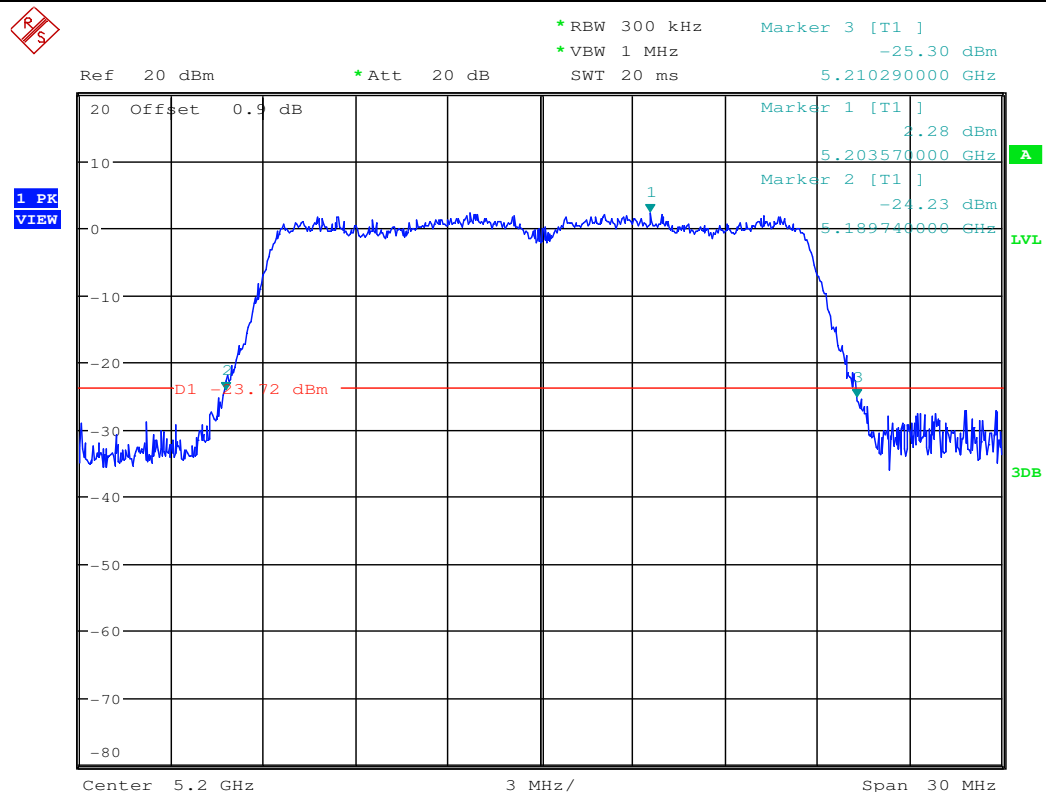


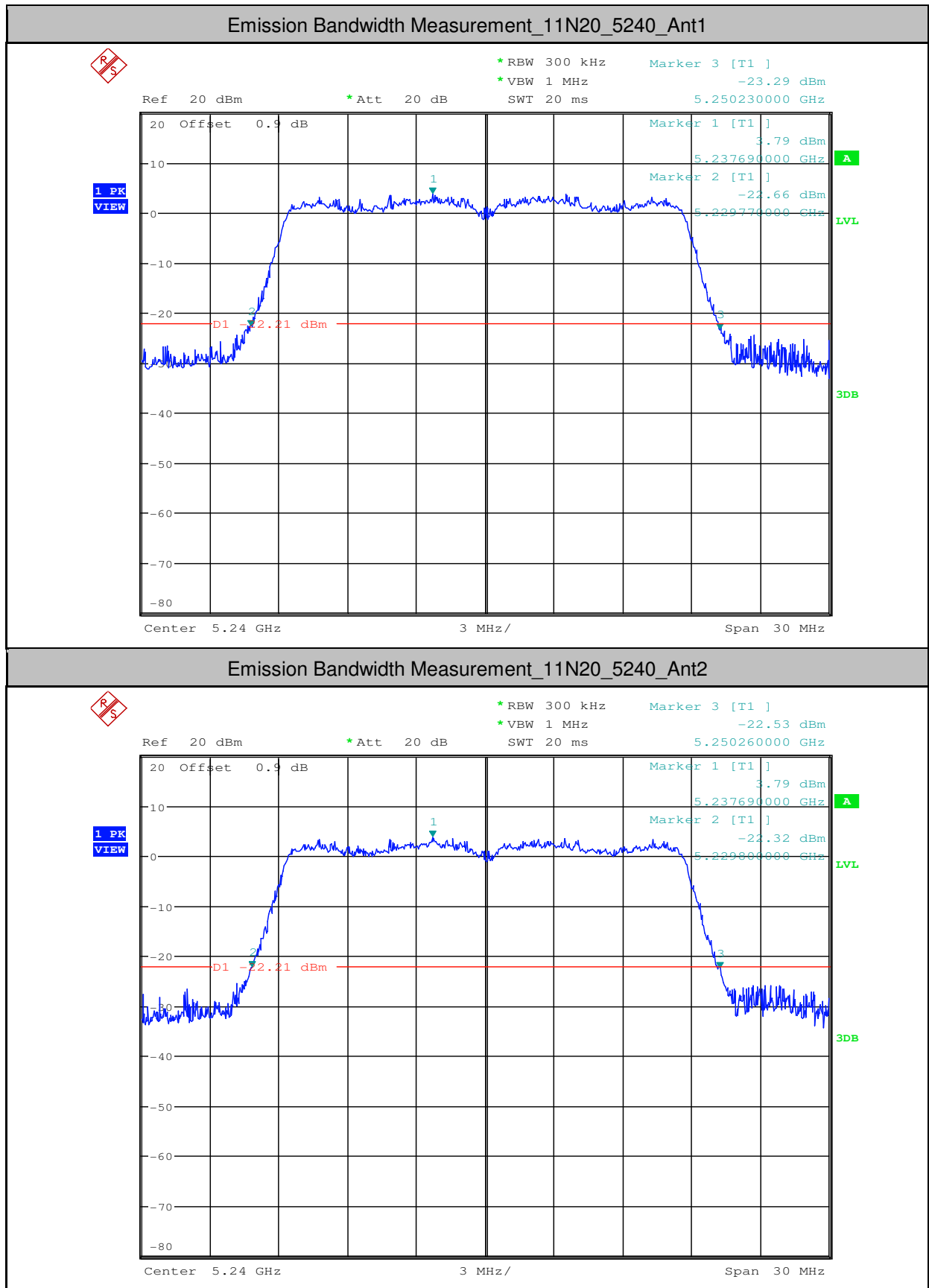


Emission Bandwidth Measurement_11N20_5200_Ant1



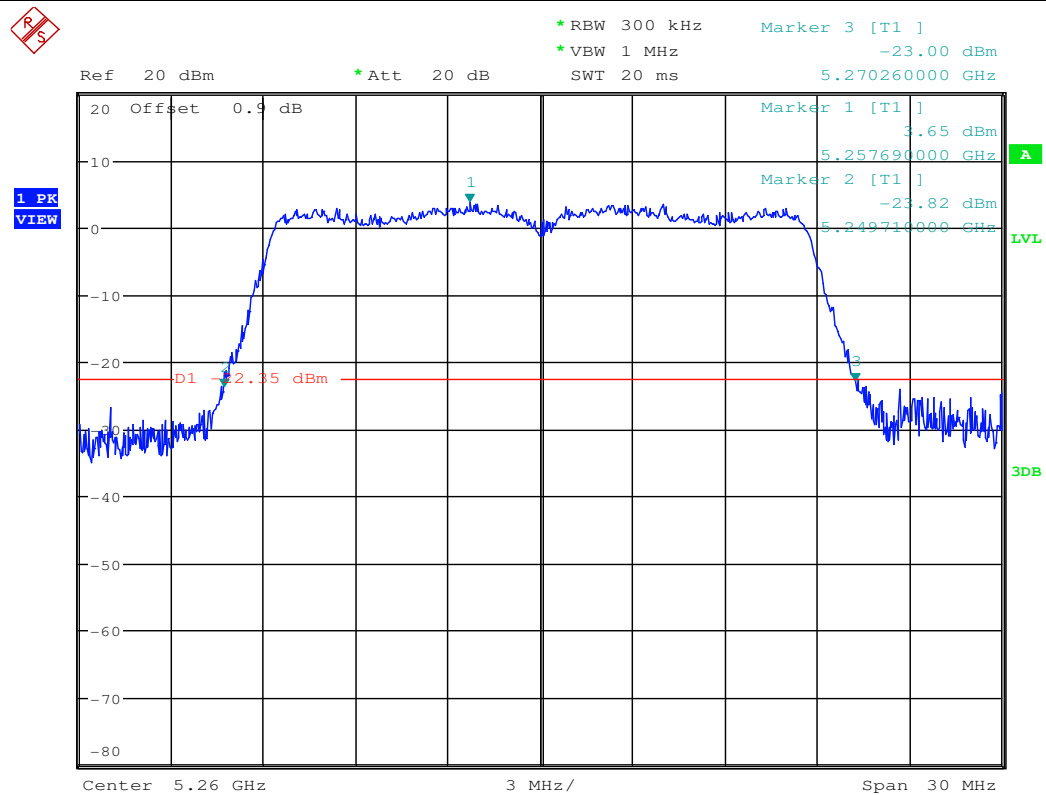
Emission Bandwidth Measurement_11N20_5200_Ant2



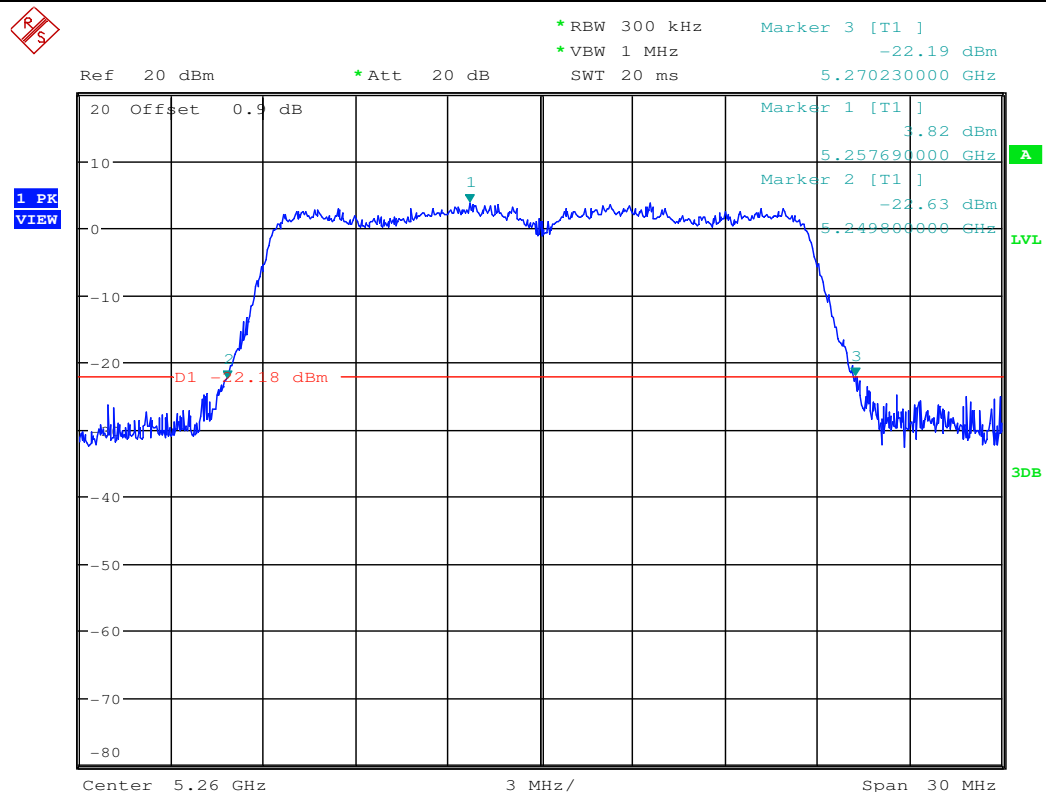




Emission Bandwidth Measurement_11N20_5260_Ant1

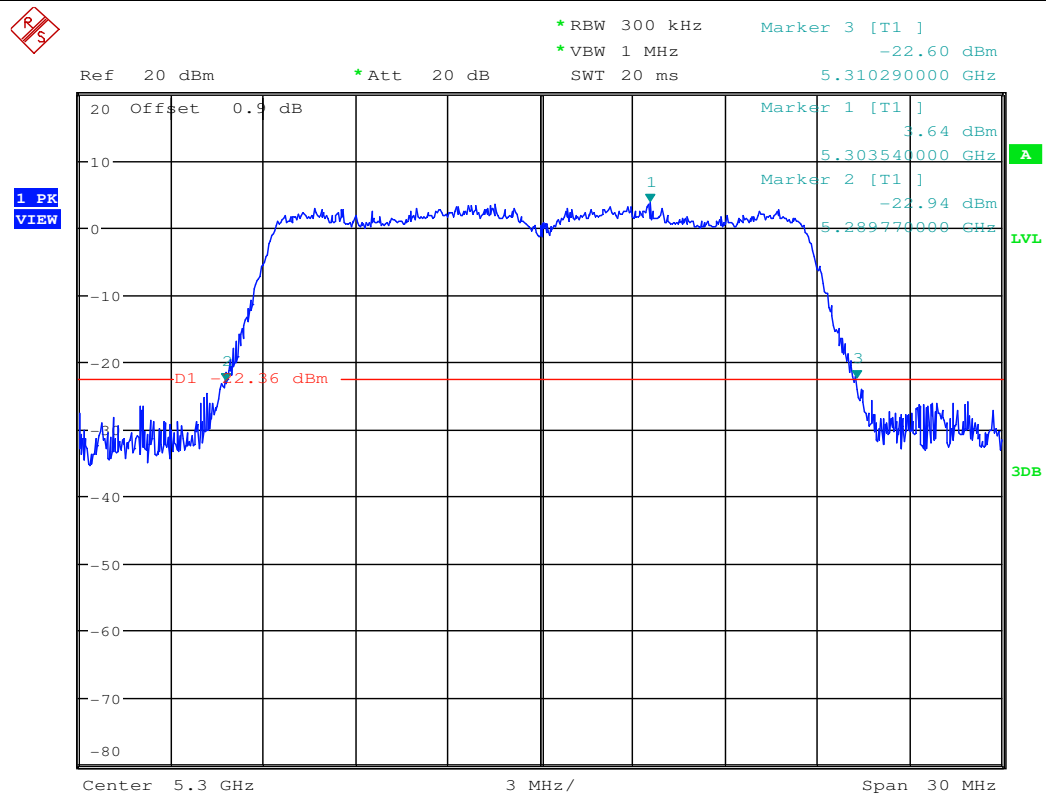


Emission Bandwidth Measurement_11N20_5260_Ant2

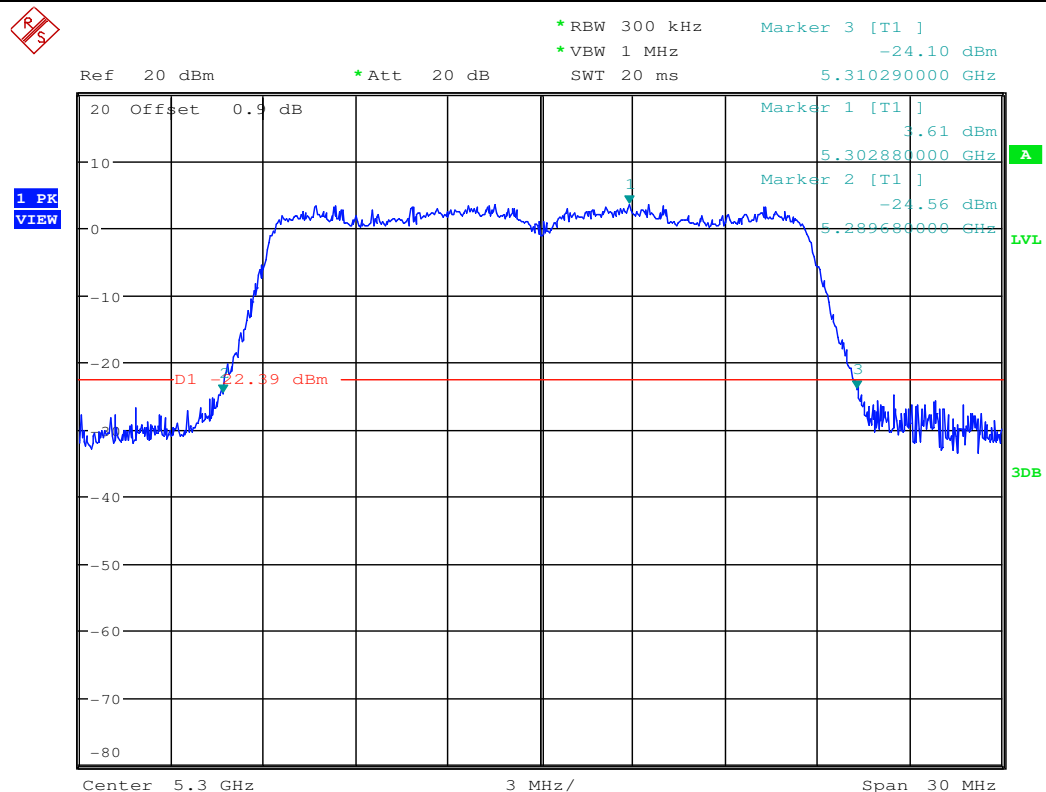




Emission Bandwidth Measurement_11N20_5300_Ant1

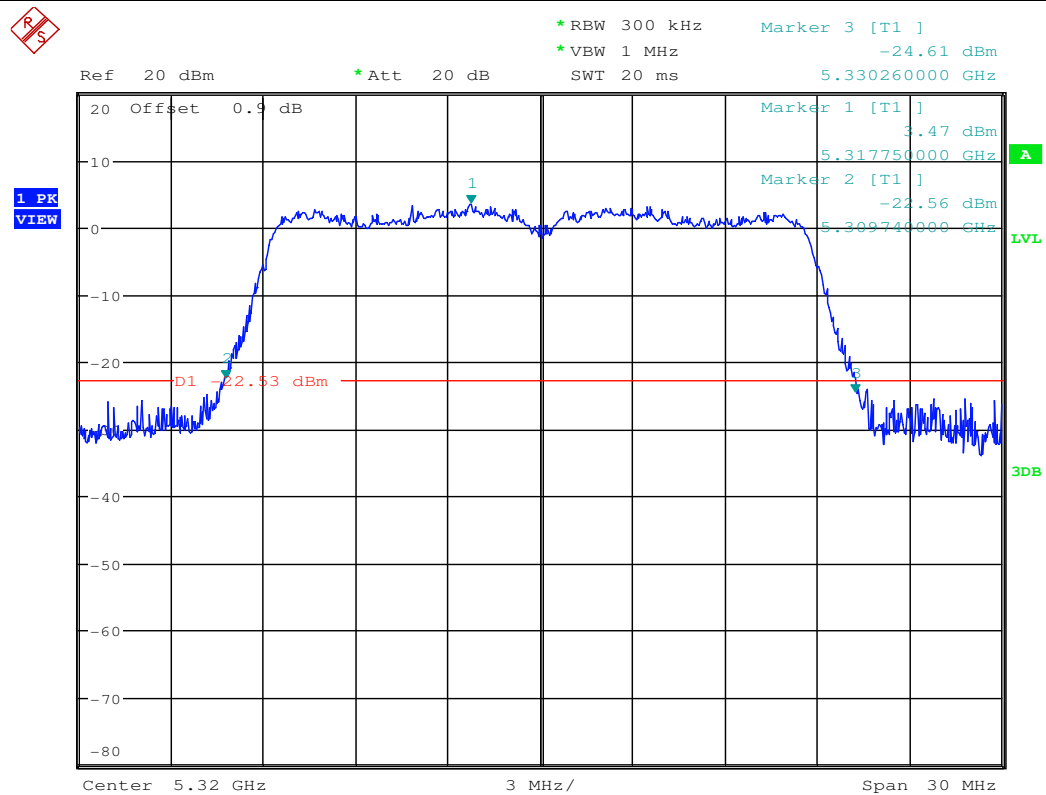


Emission Bandwidth Measurement_11N20_5300_Ant2

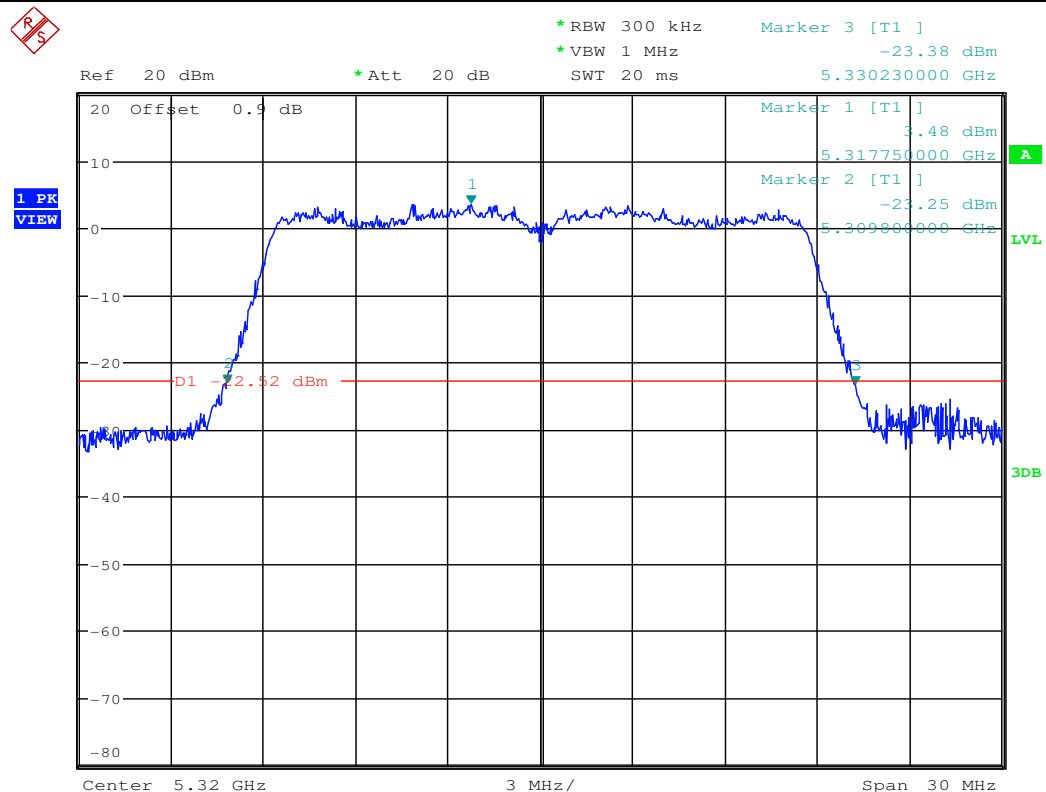




Emission Bandwidth Measurement_11N20_5320_Ant1

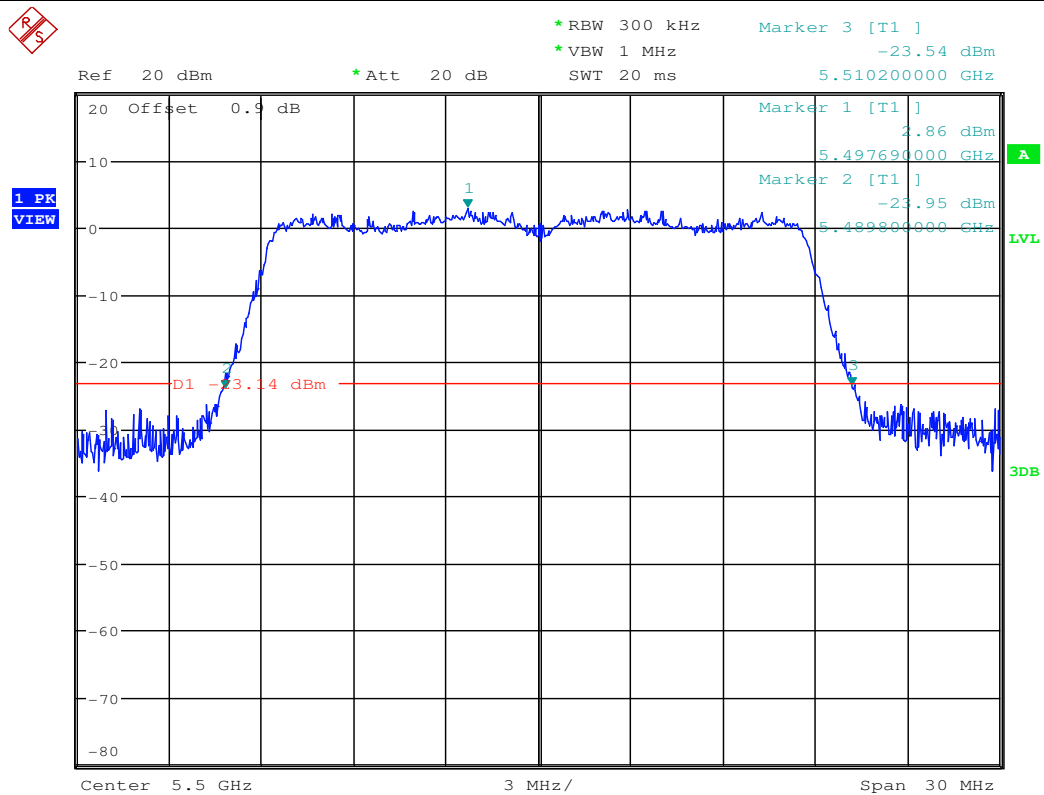


Emission Bandwidth Measurement_11N20_5320_Ant2

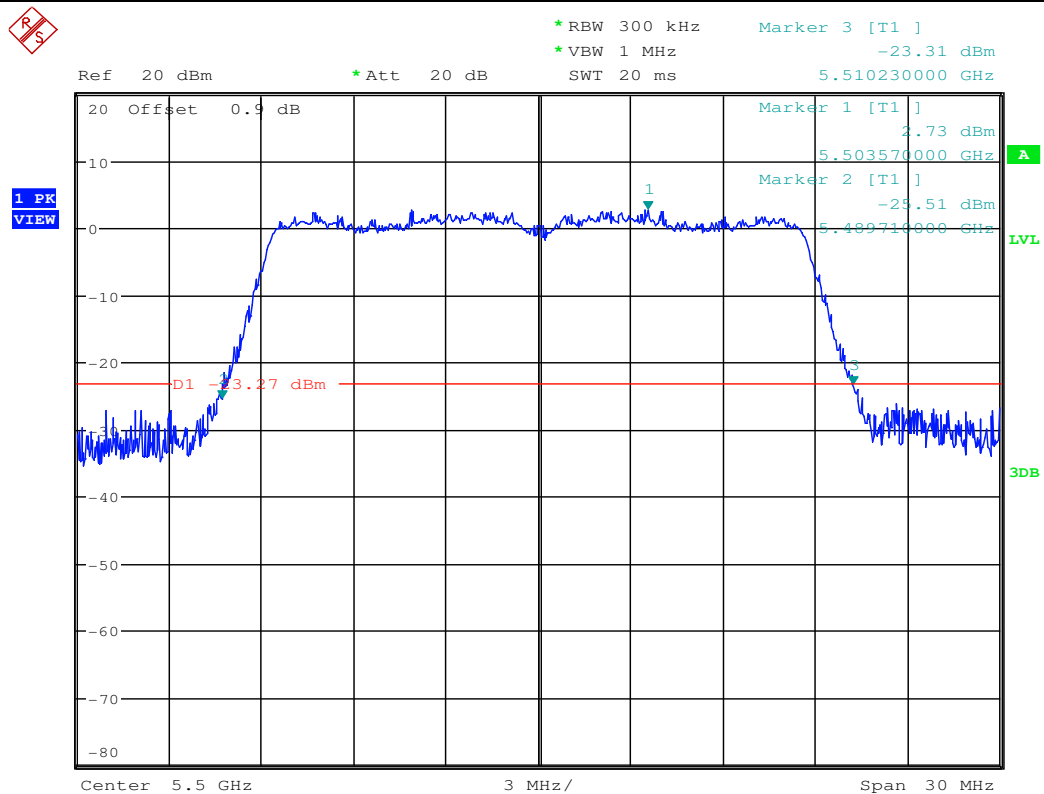




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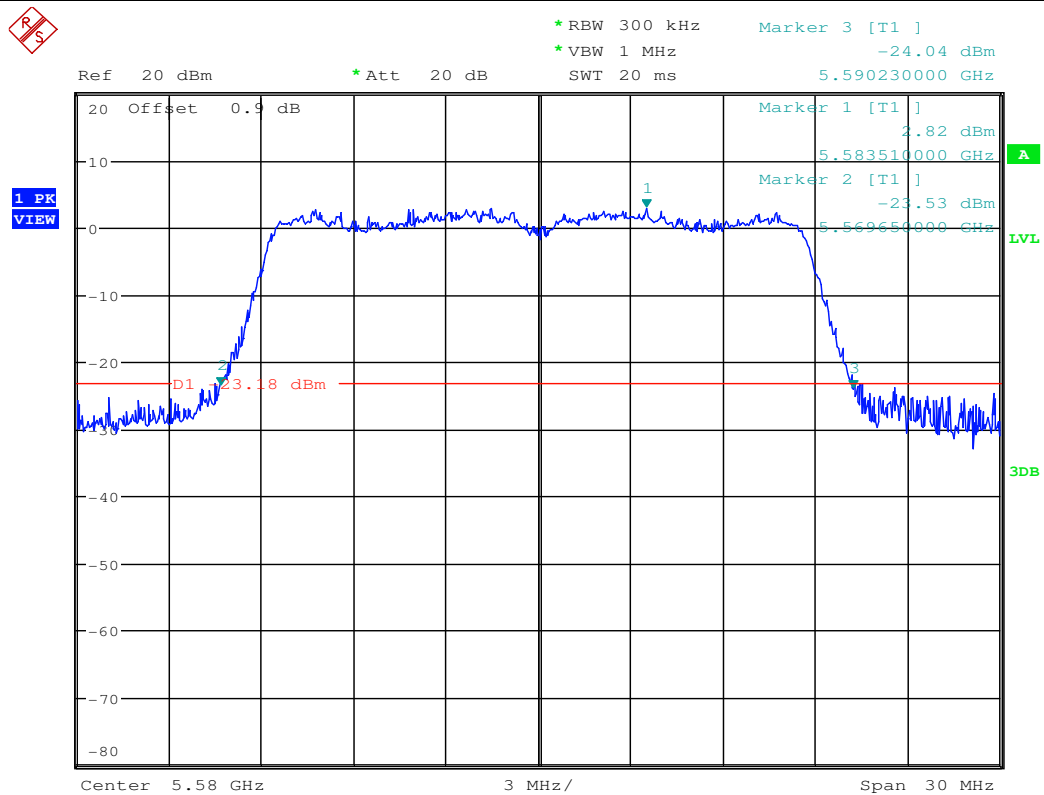


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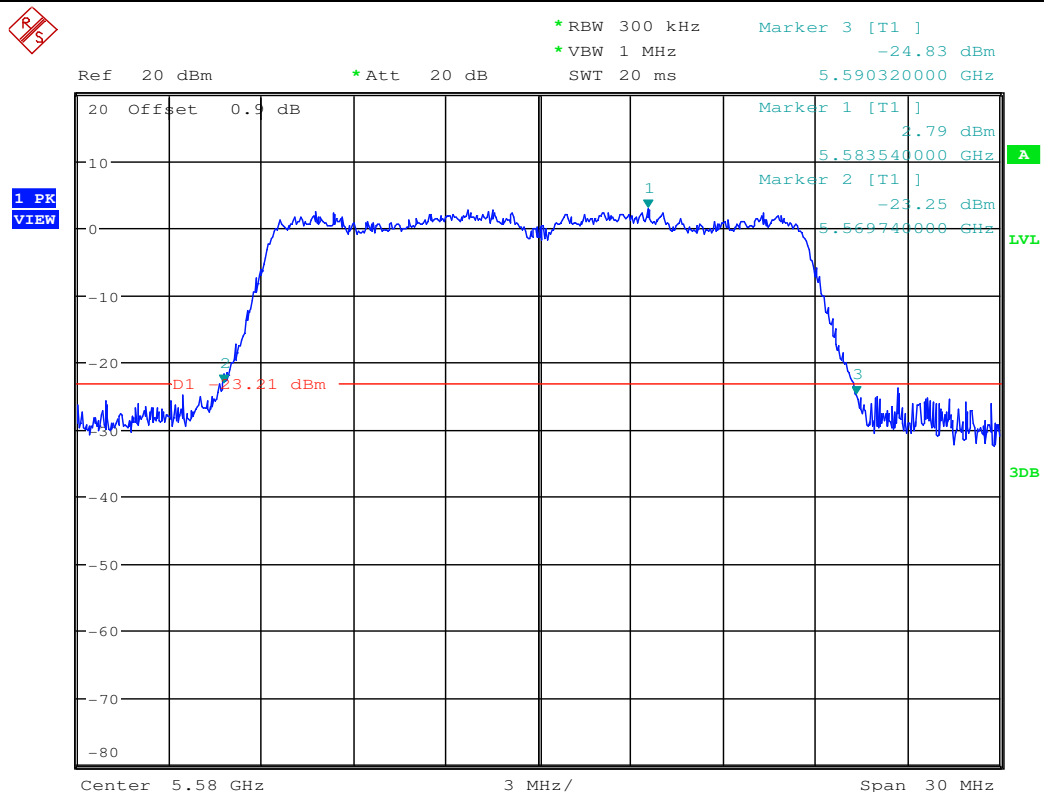




Emission Bandwidth Measurement_11N20_5580_Ant1

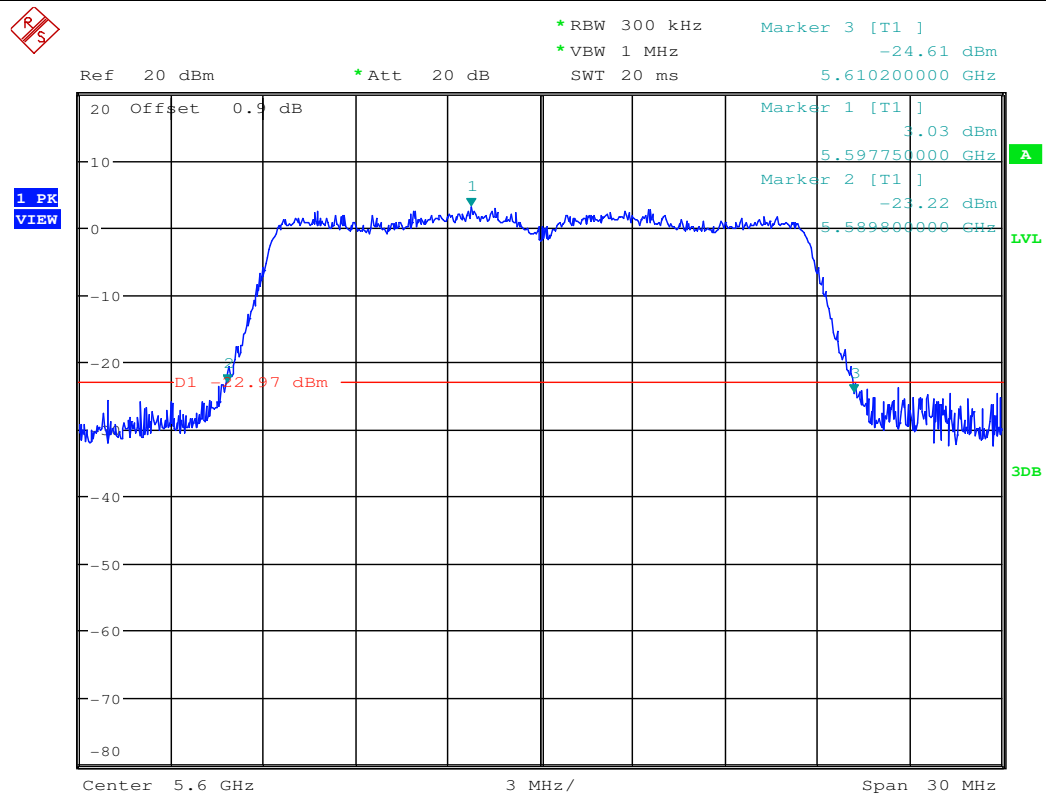


Emission Bandwidth Measurement_11N20_5580_Ant2

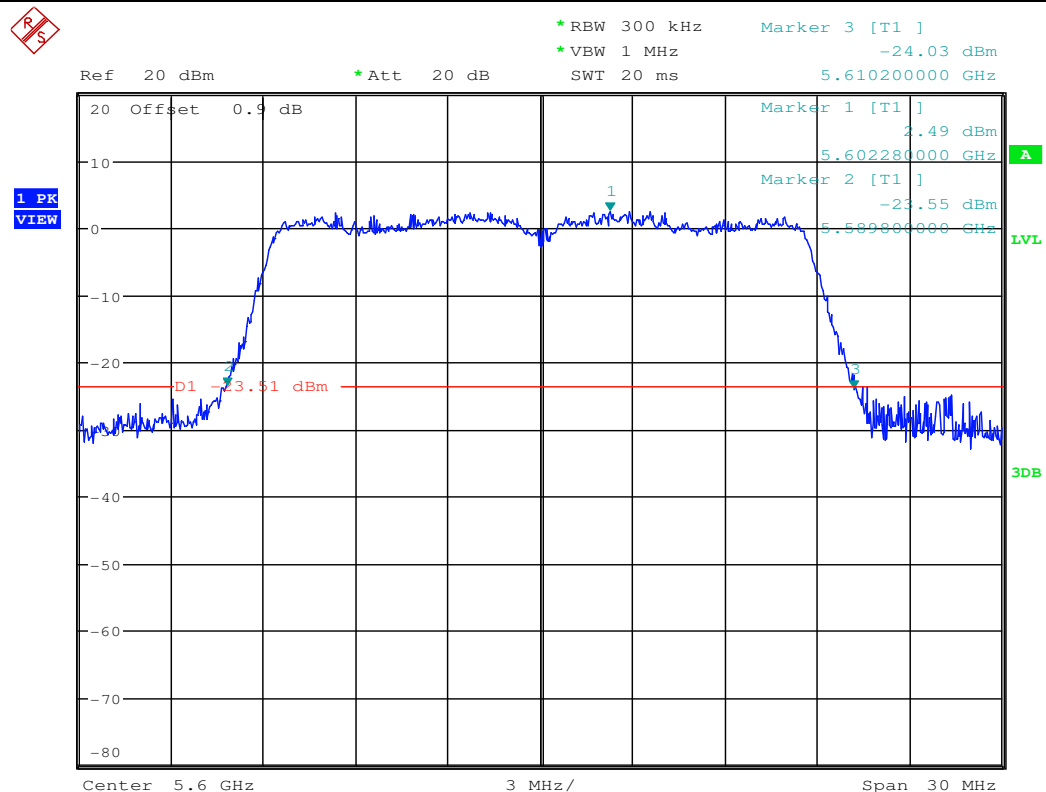




Emission Bandwidth Measurement_11N20_5600_Ant1

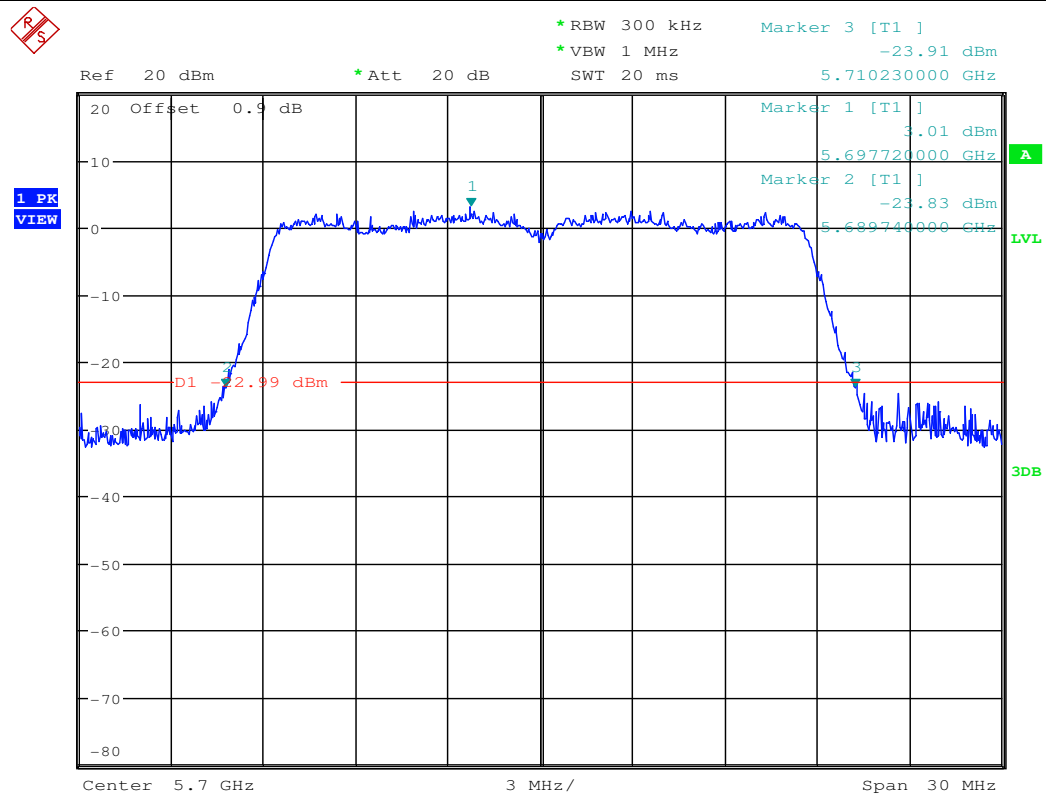


Emission Bandwidth Measurement_11N20_5600_Ant2

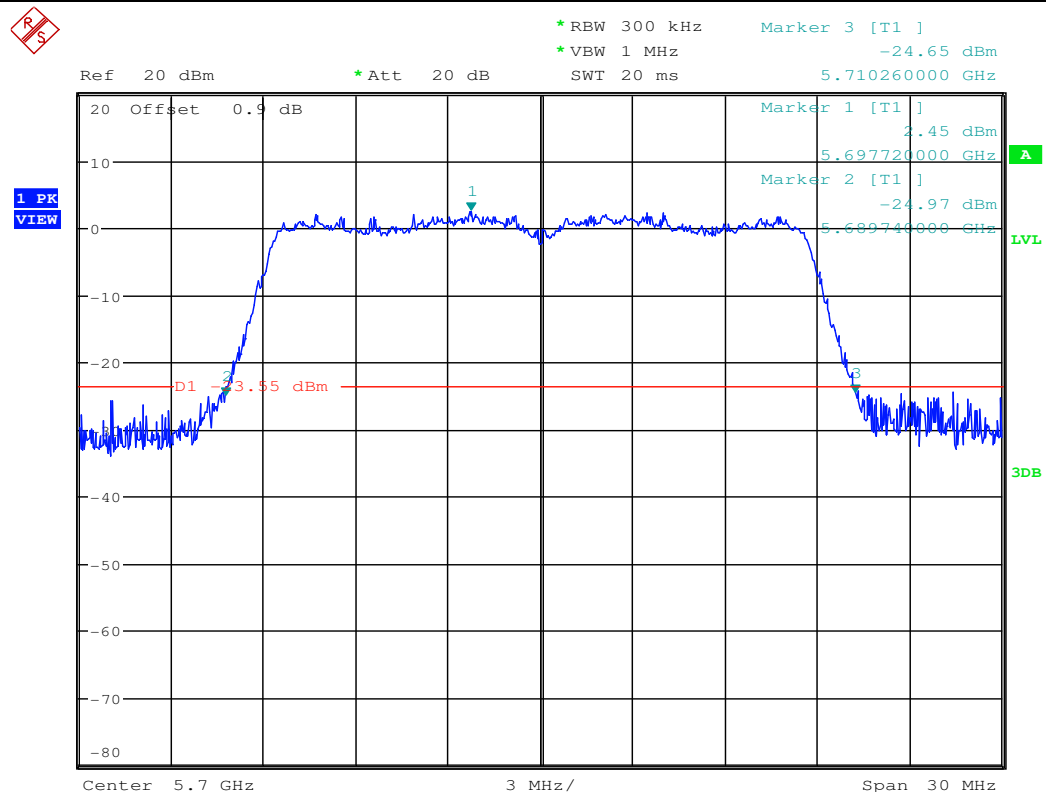




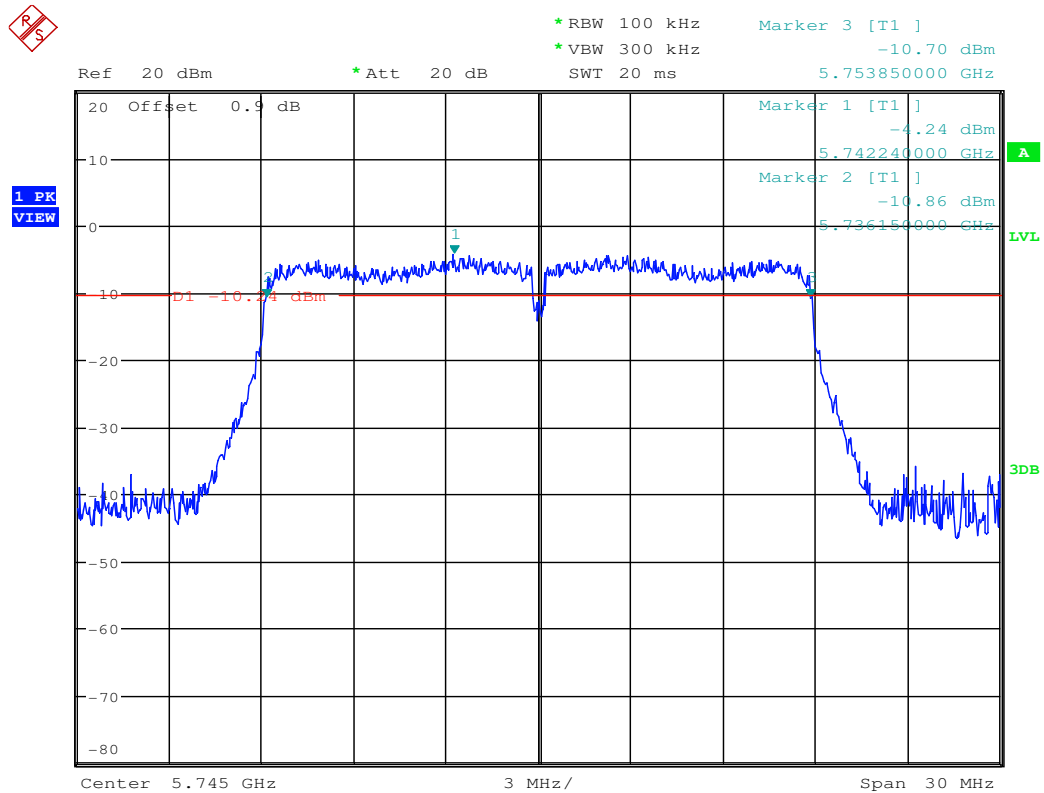
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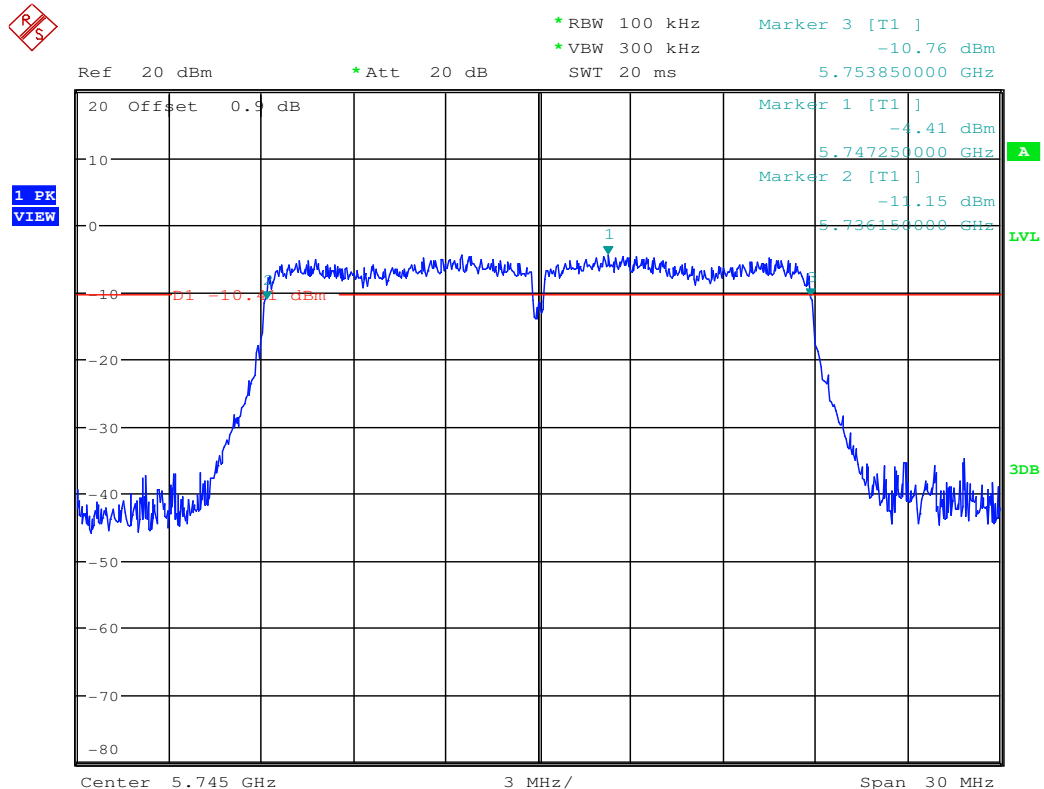
Emission Bandwidth Measurement_11N20_5700_Ant2



Emission Bandwidth Measurement_11N20_5745_Ant1

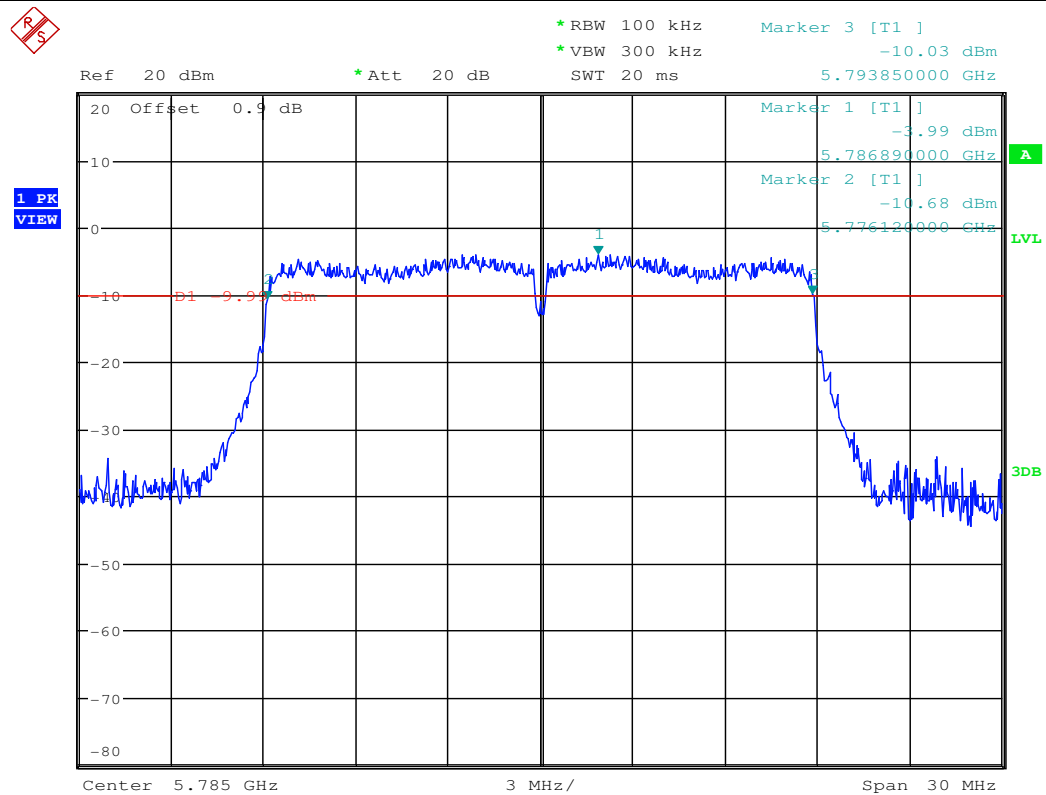


Emission Bandwidth Measurement_11N20_5745_Ant2

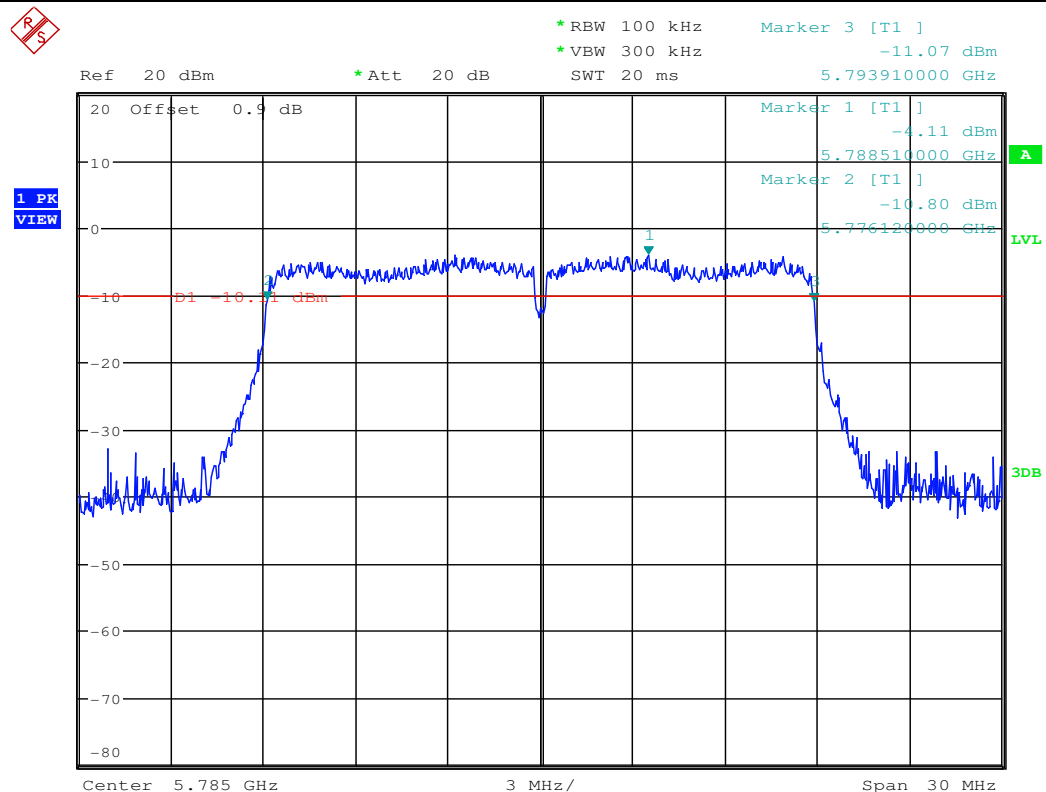


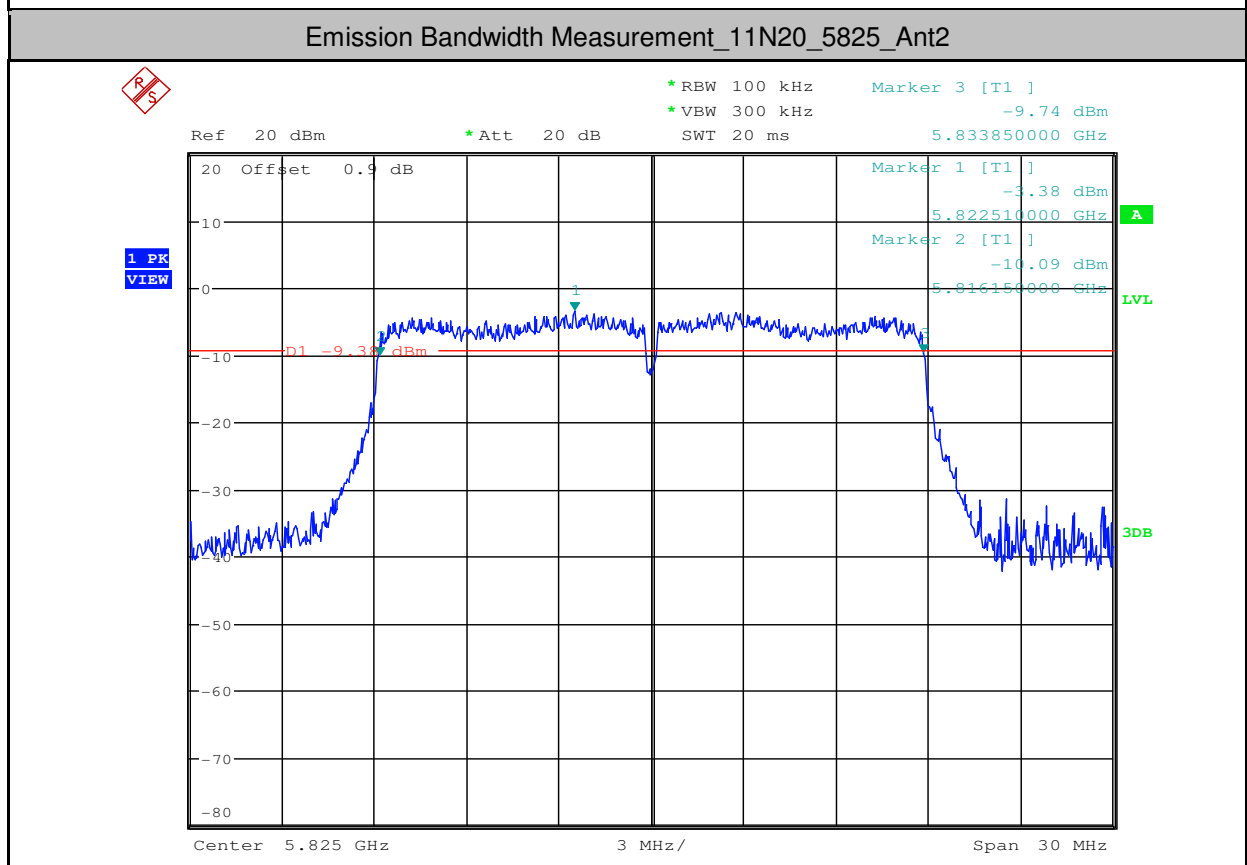
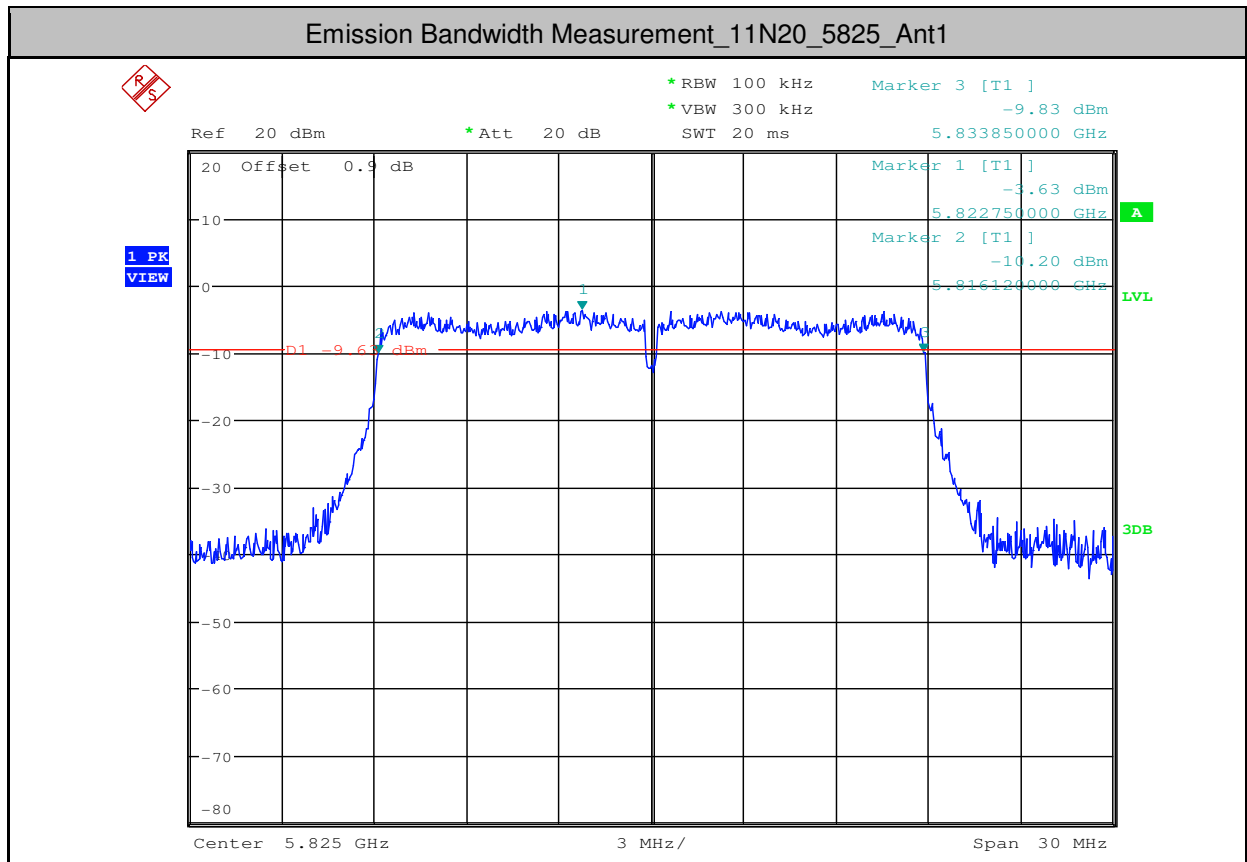


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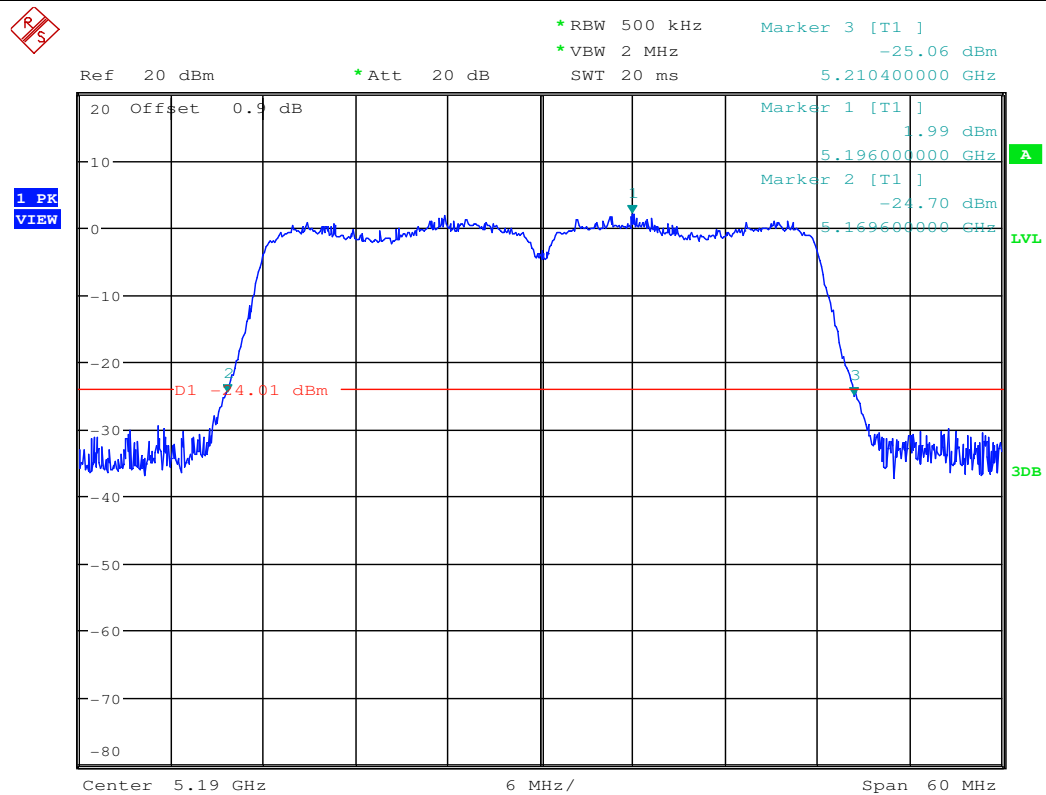
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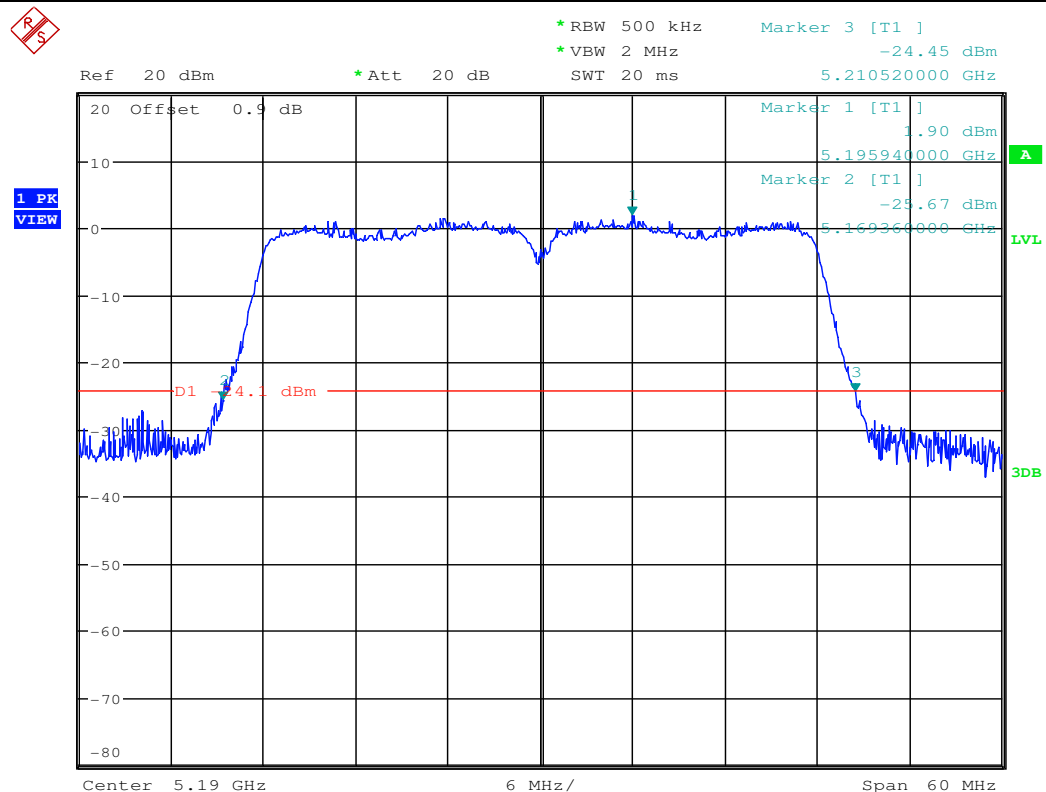




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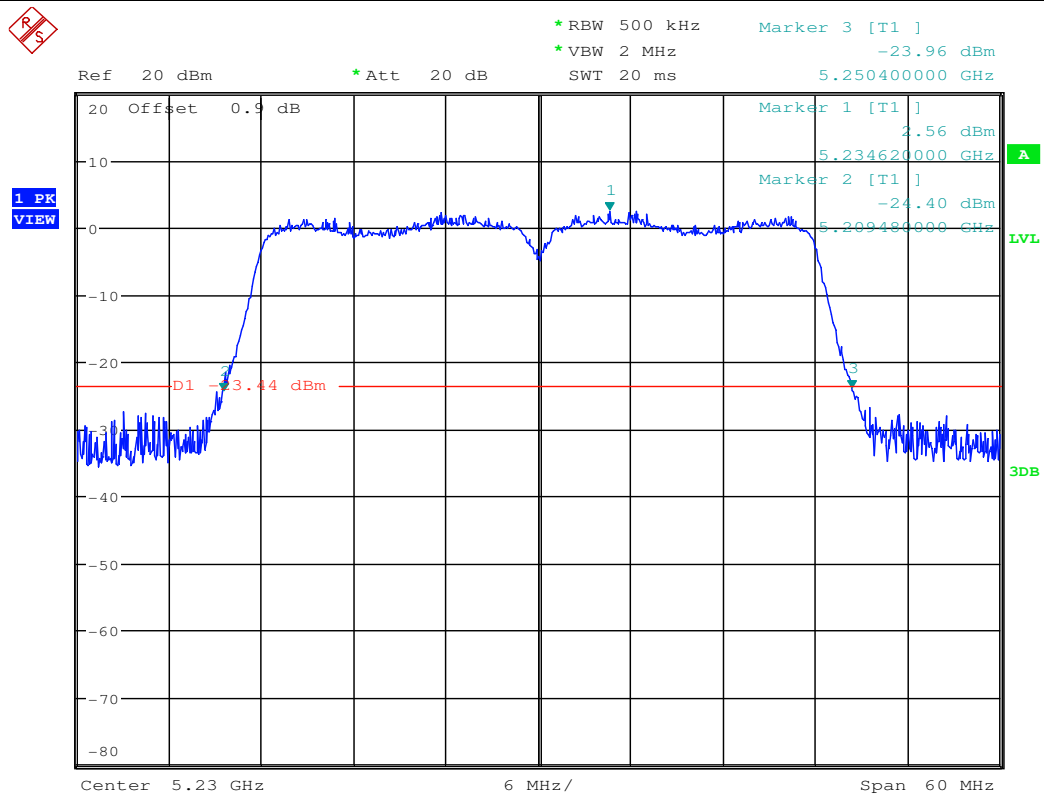


Emission Bandwidth Measurement_11N40_5190_Ant2

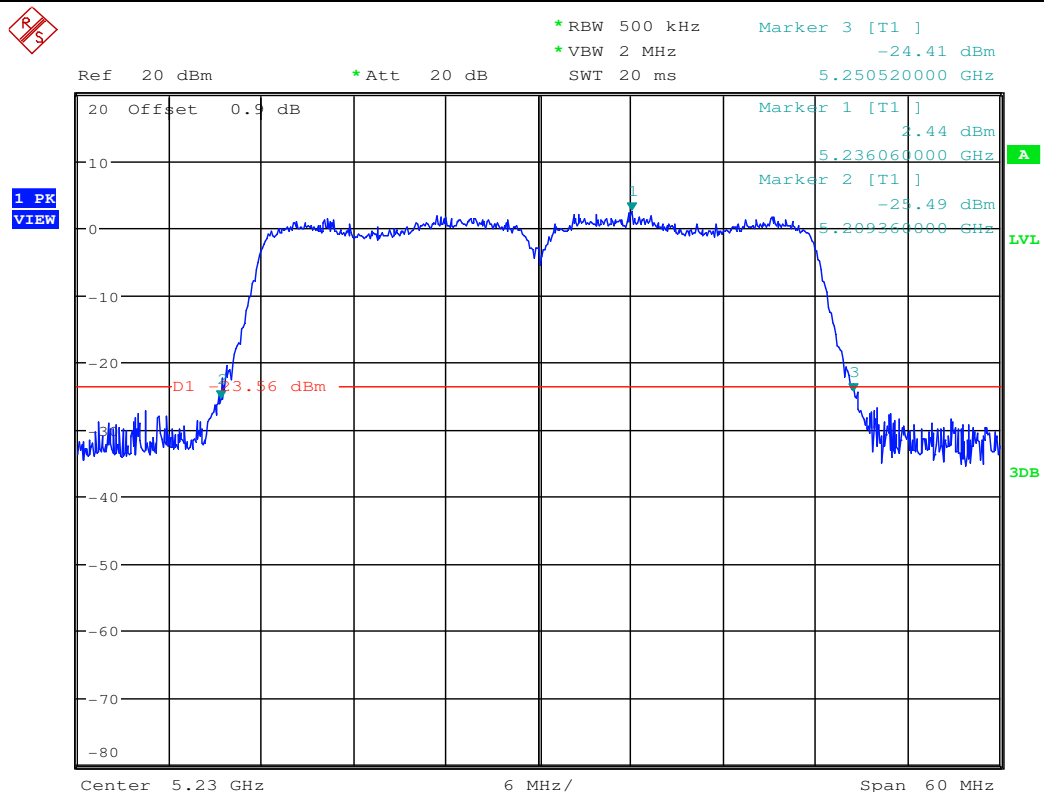




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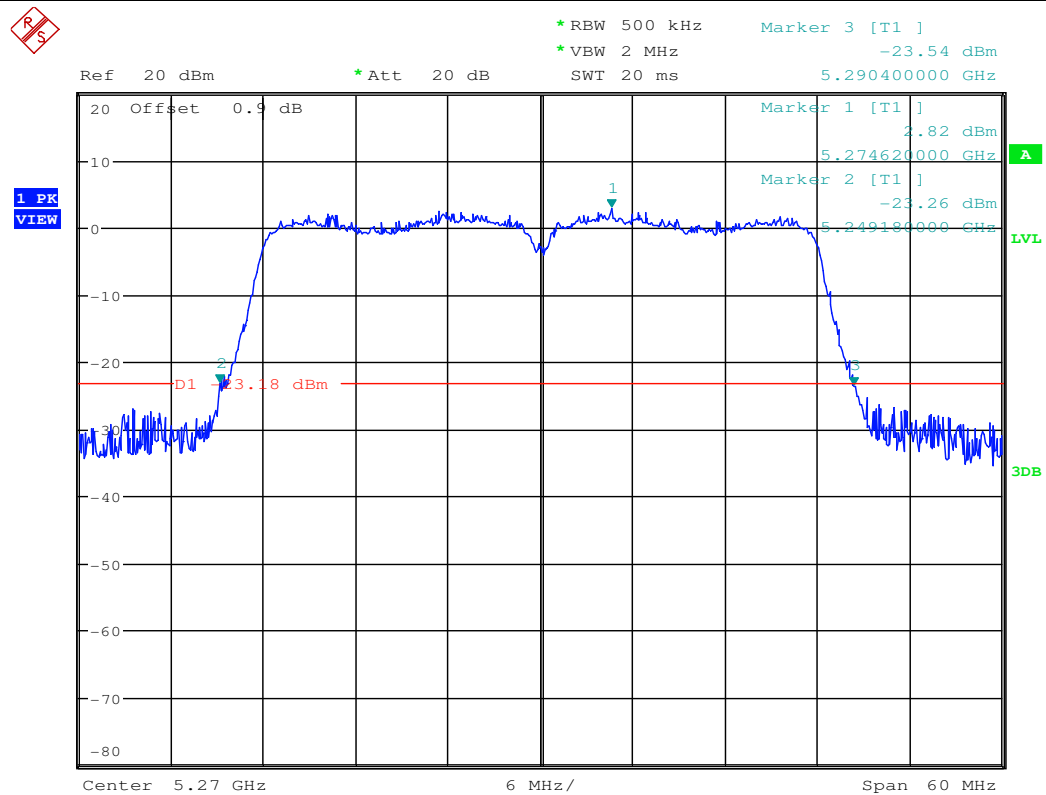


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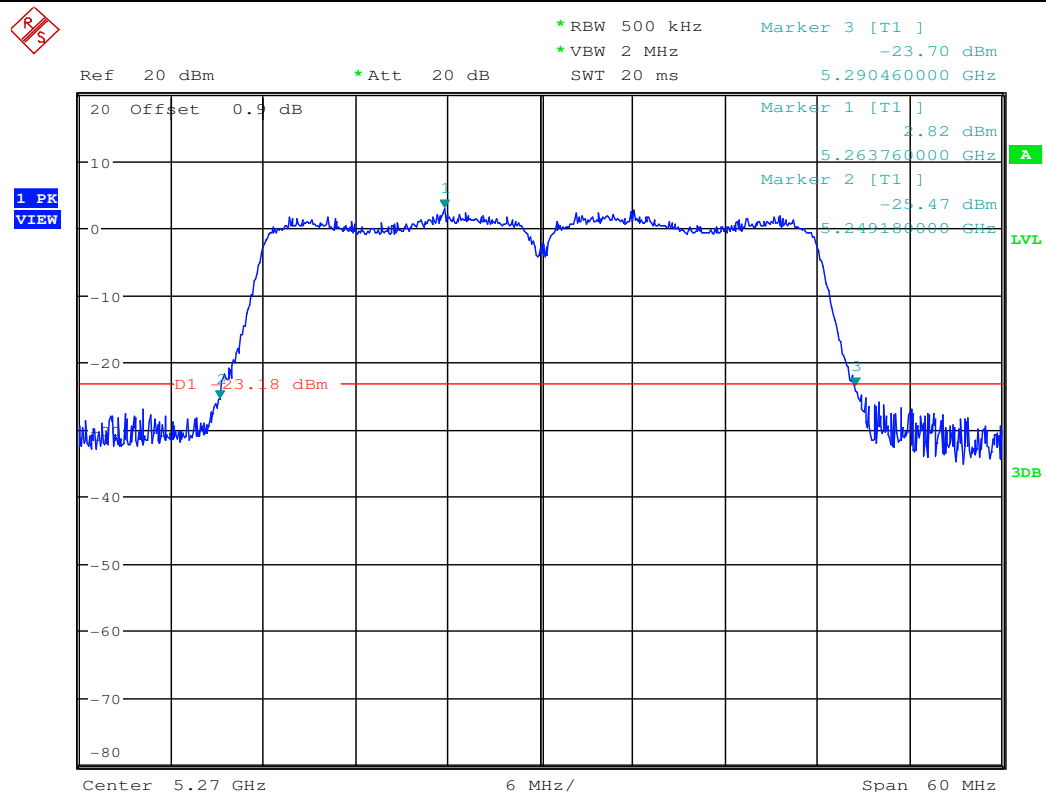




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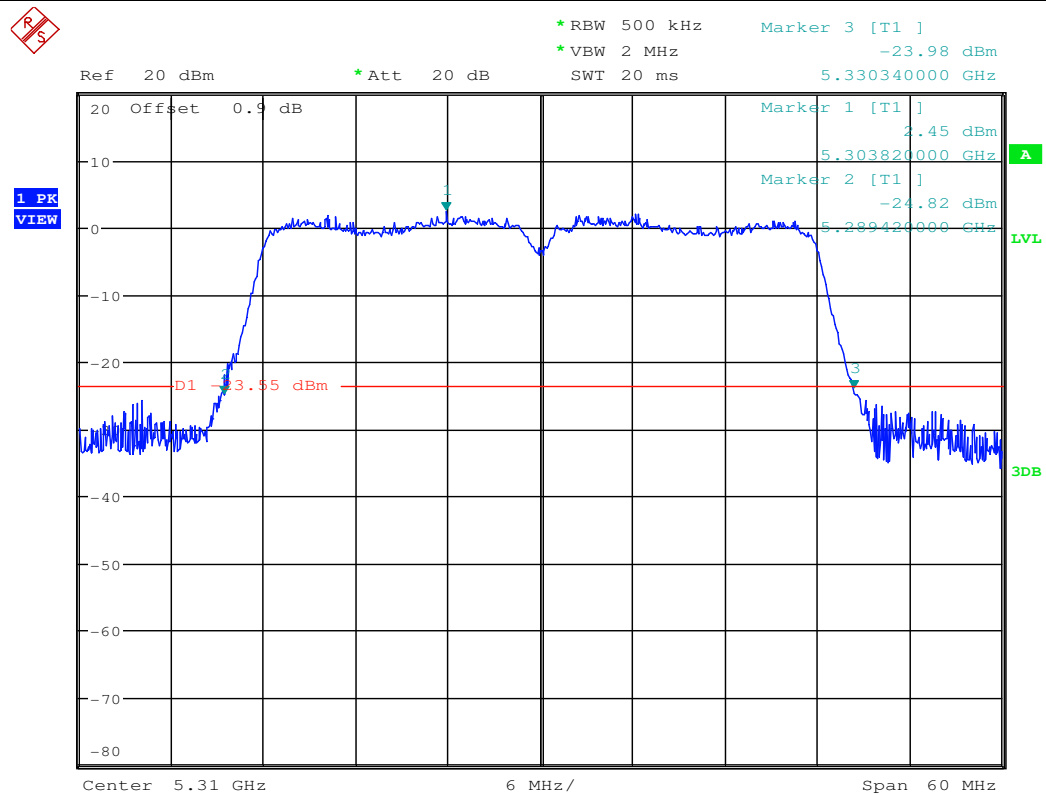


Emission Bandwidth Measurement_11N40_5270_Ant2

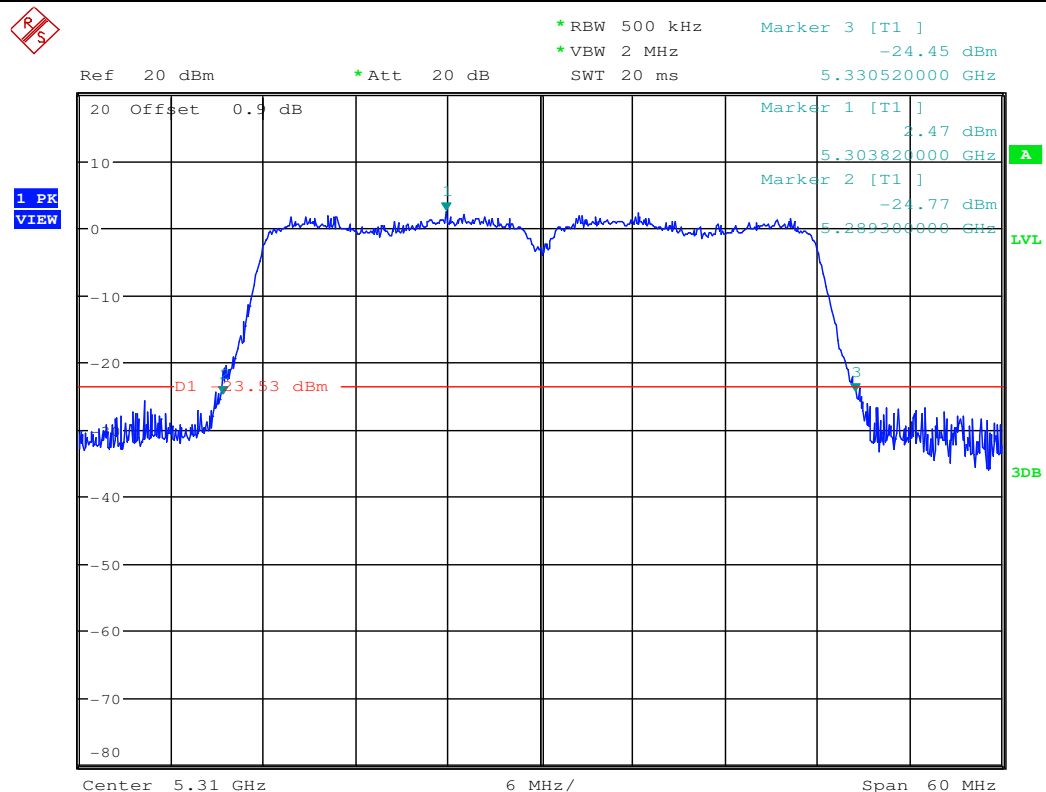




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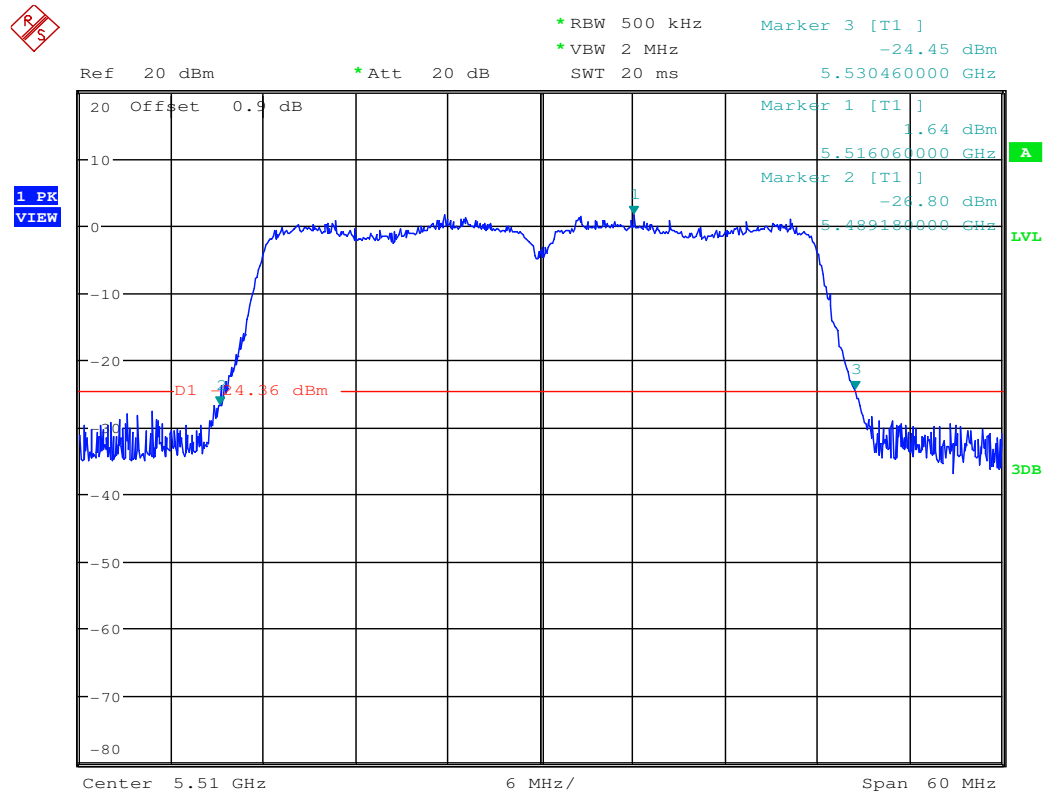


Emission Bandwidth Measurement_11N40_5310_Ant2

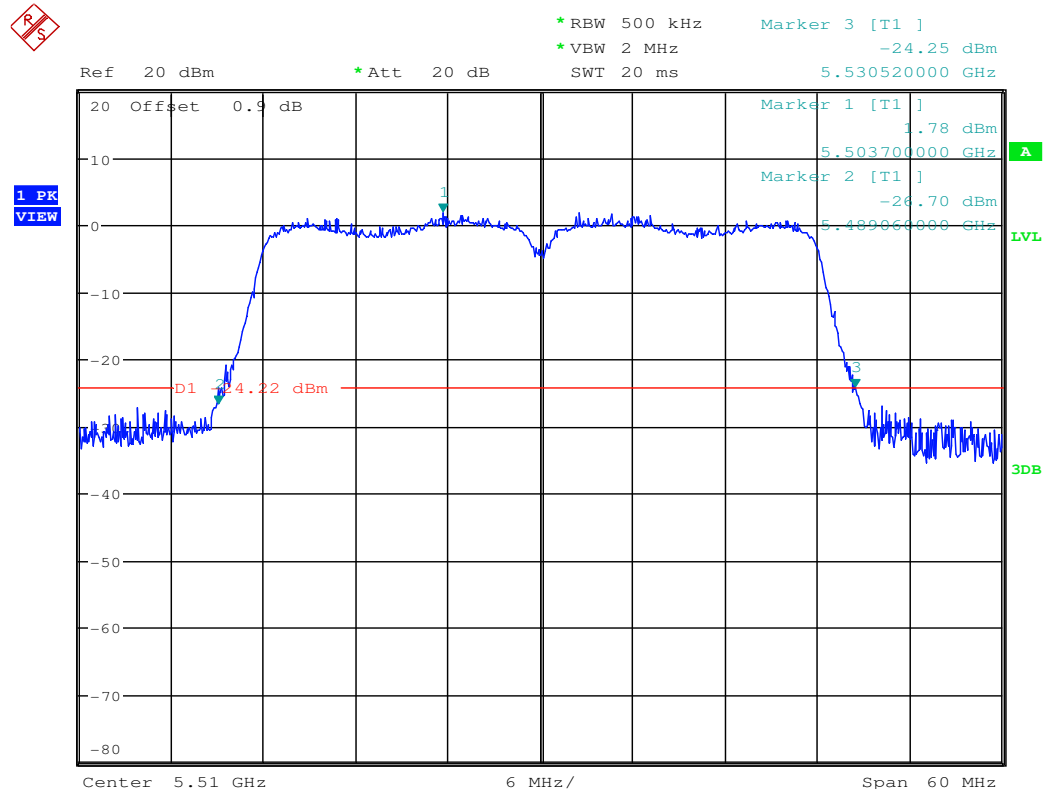




Emission Bandwidth Measurement_11N40_5510_Ant1

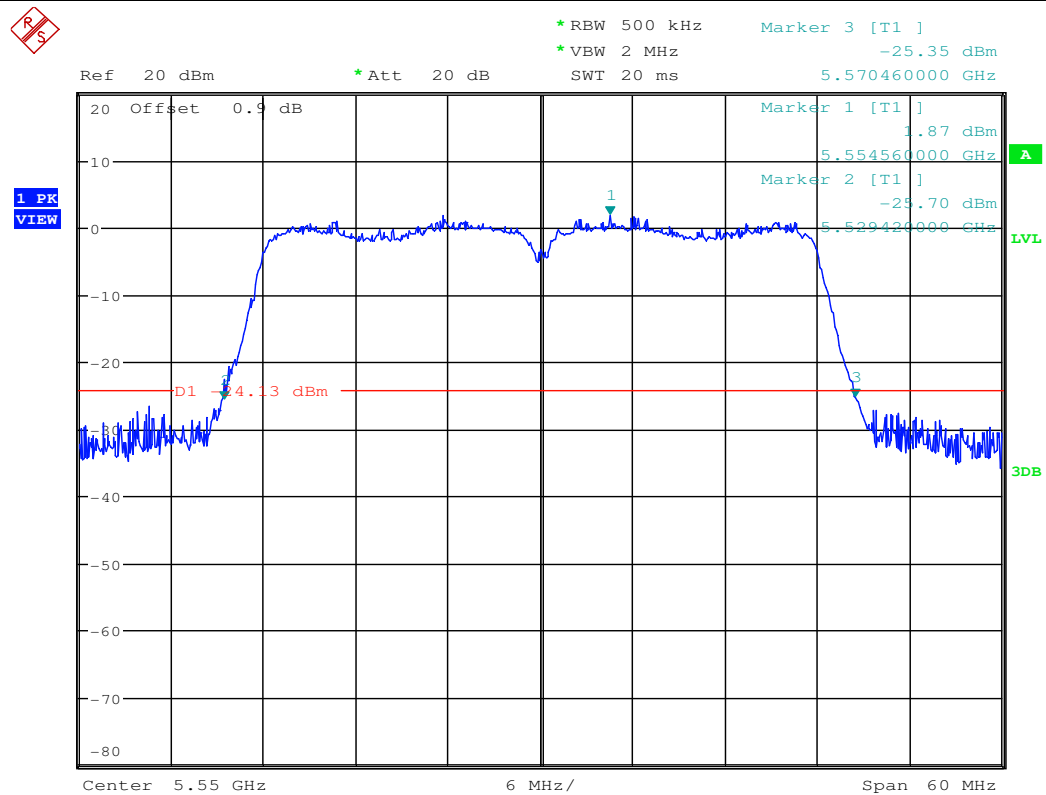


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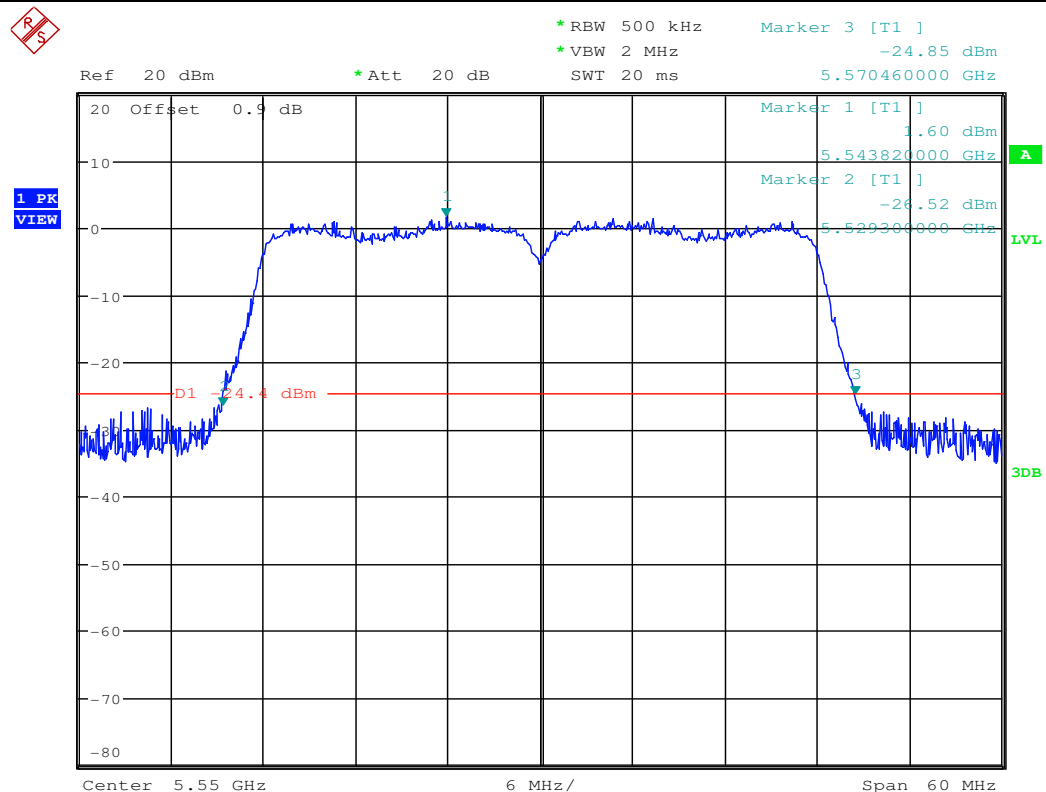




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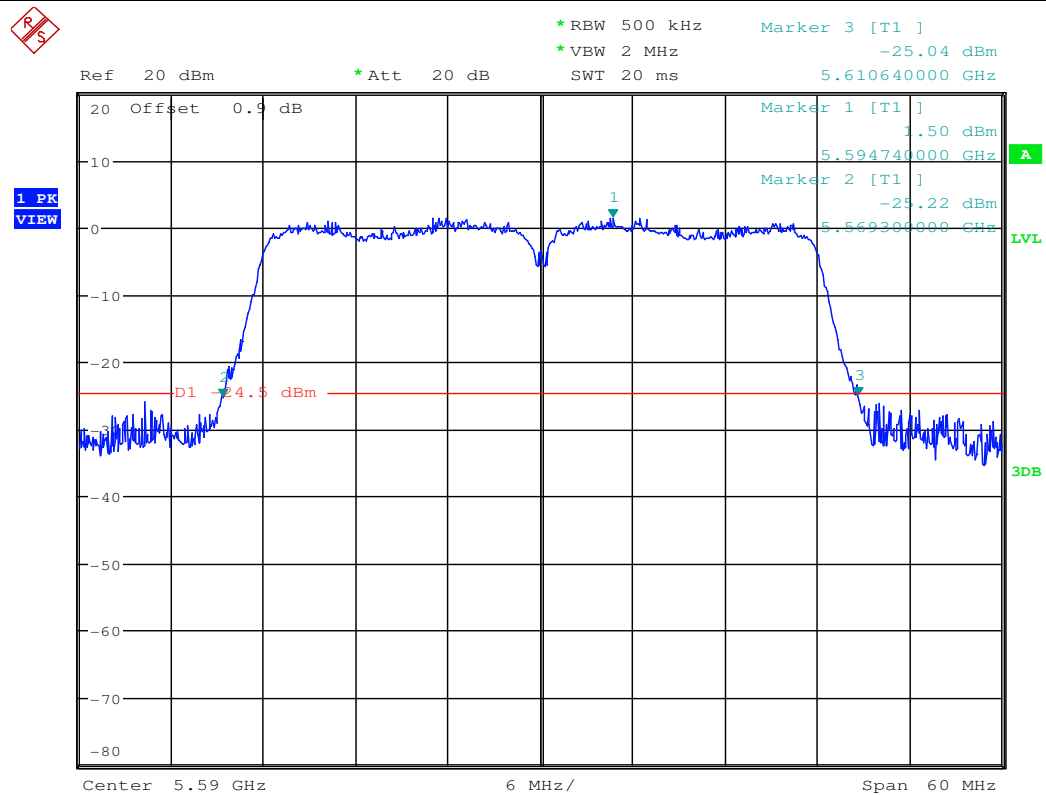


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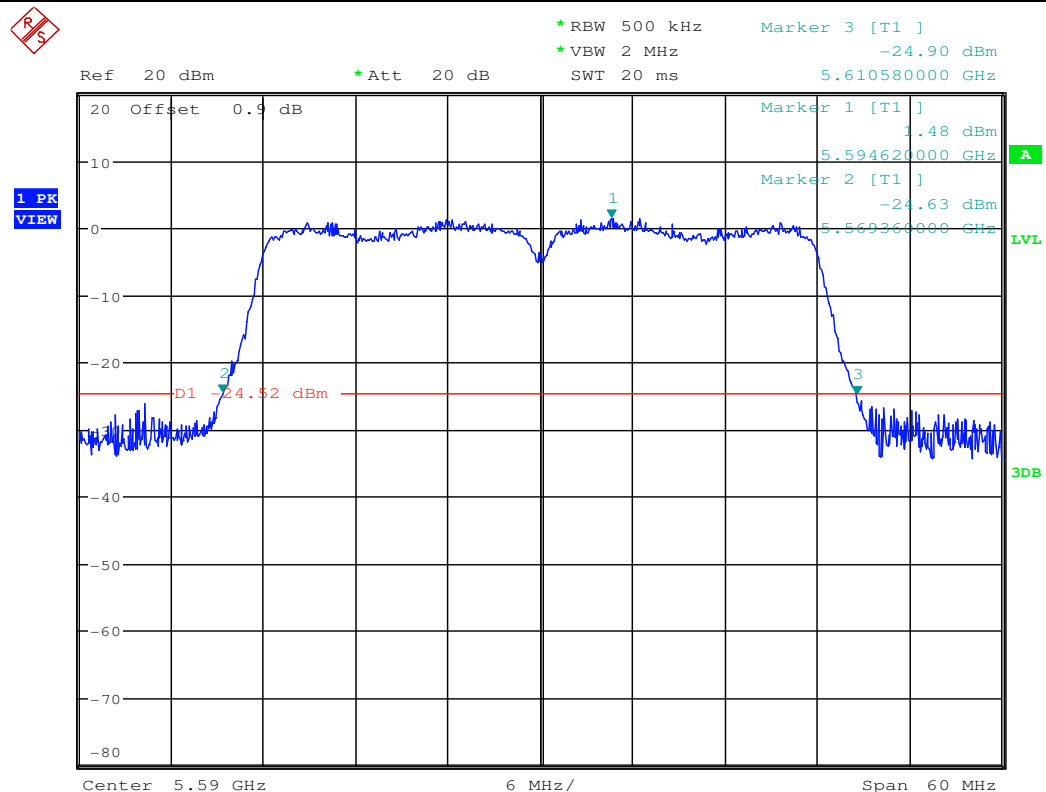


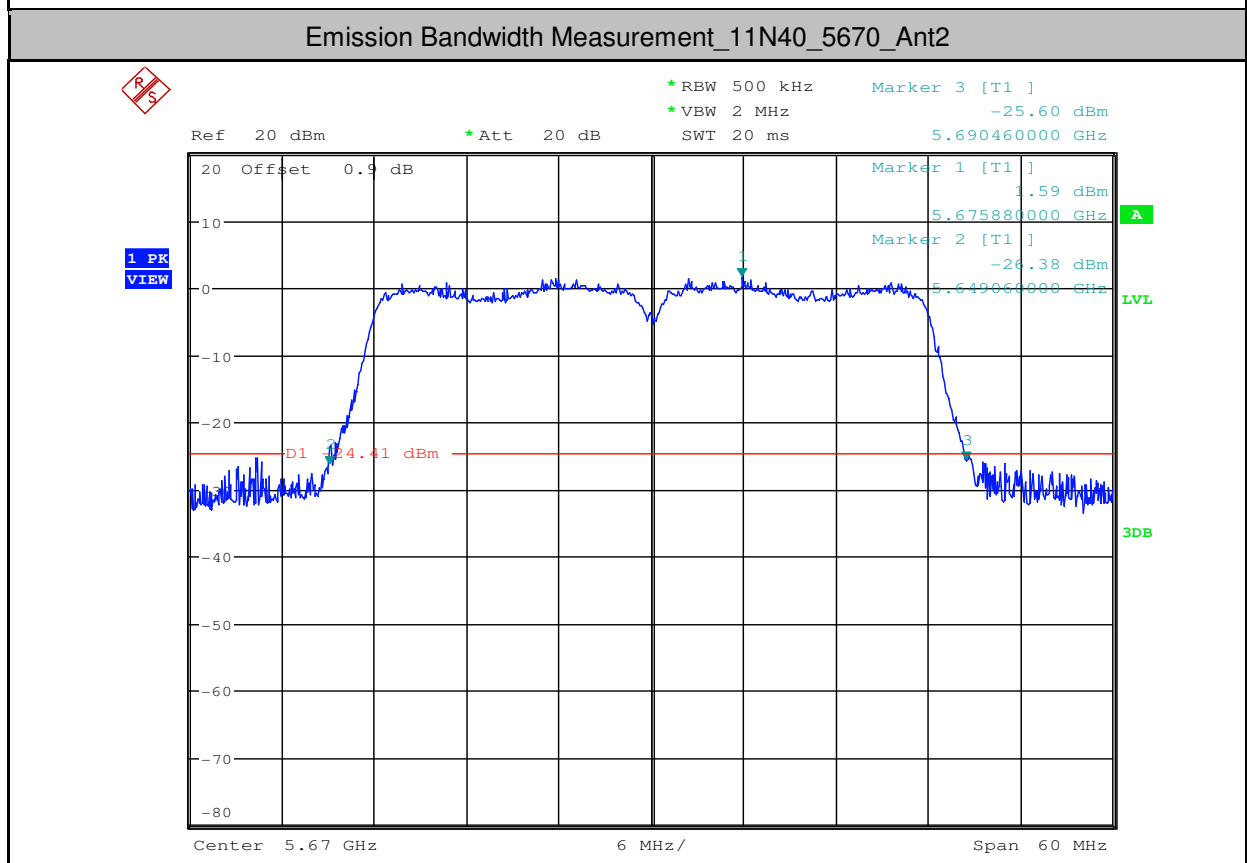
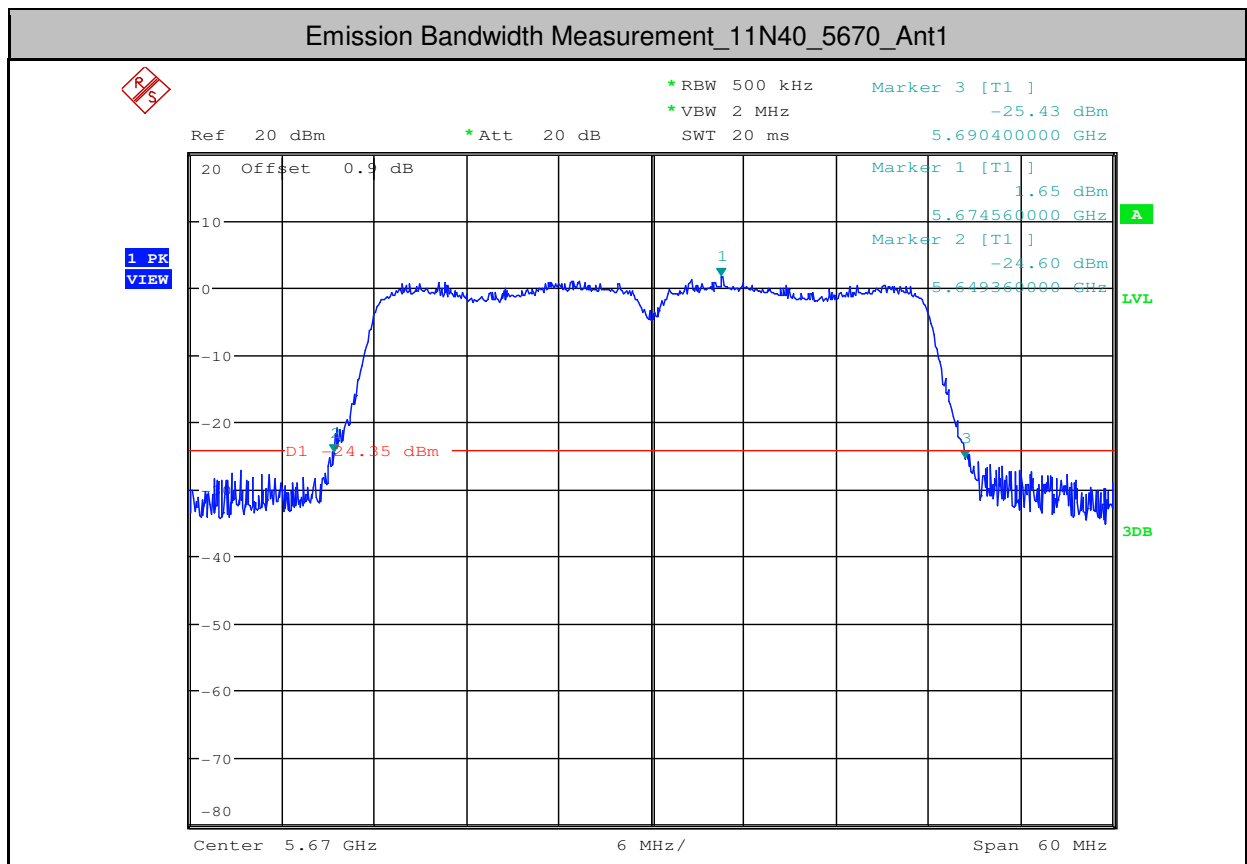


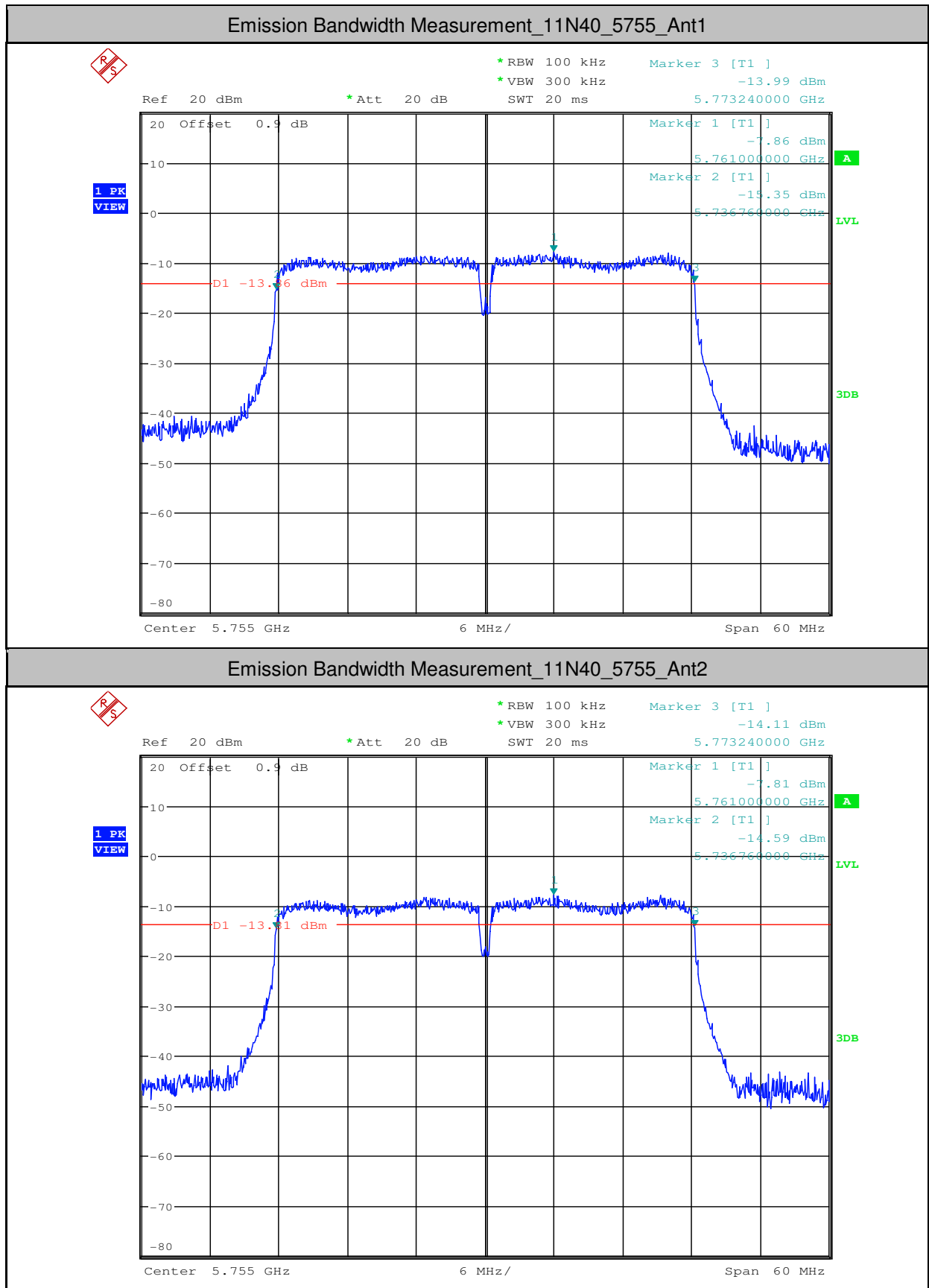
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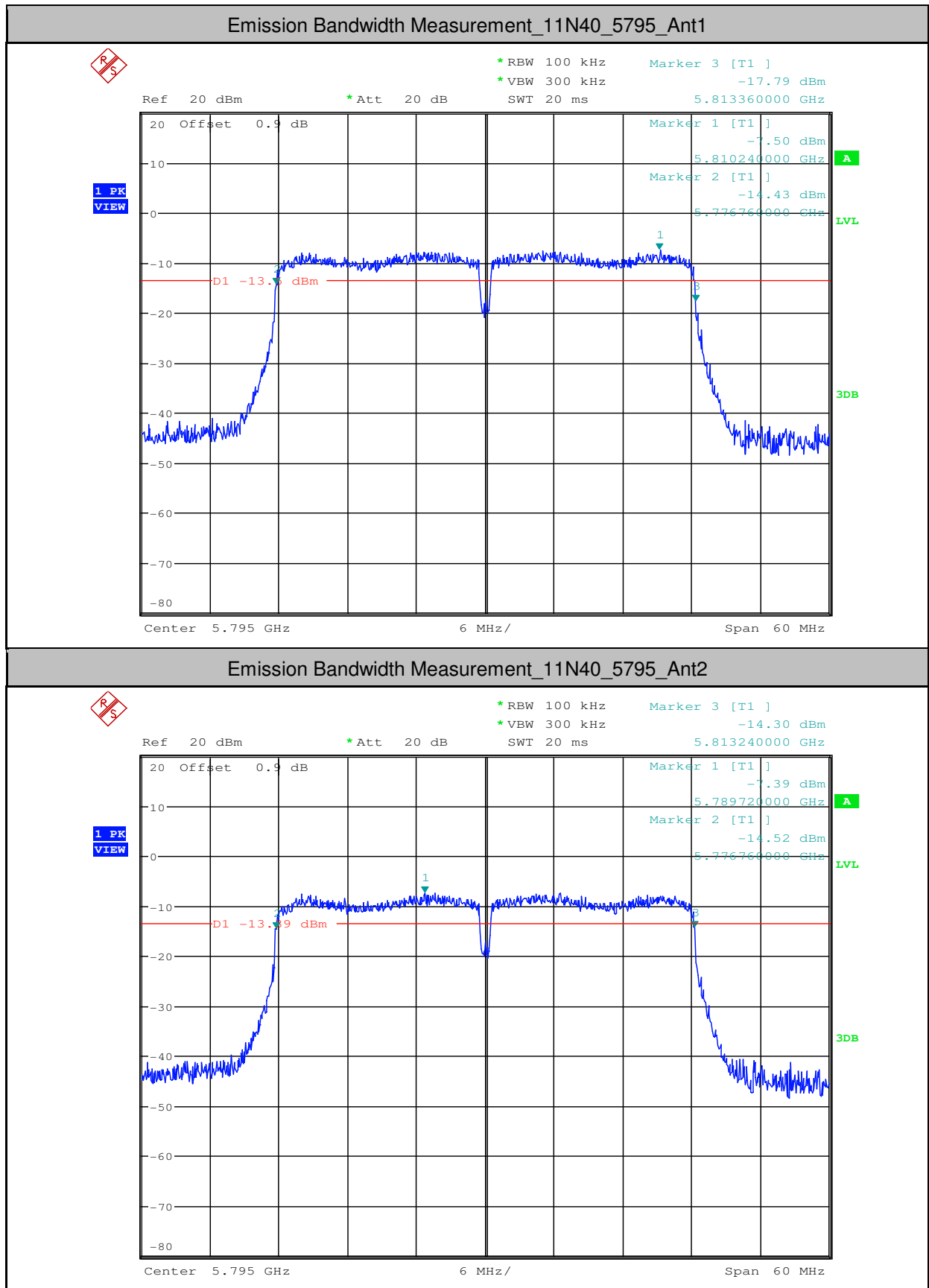


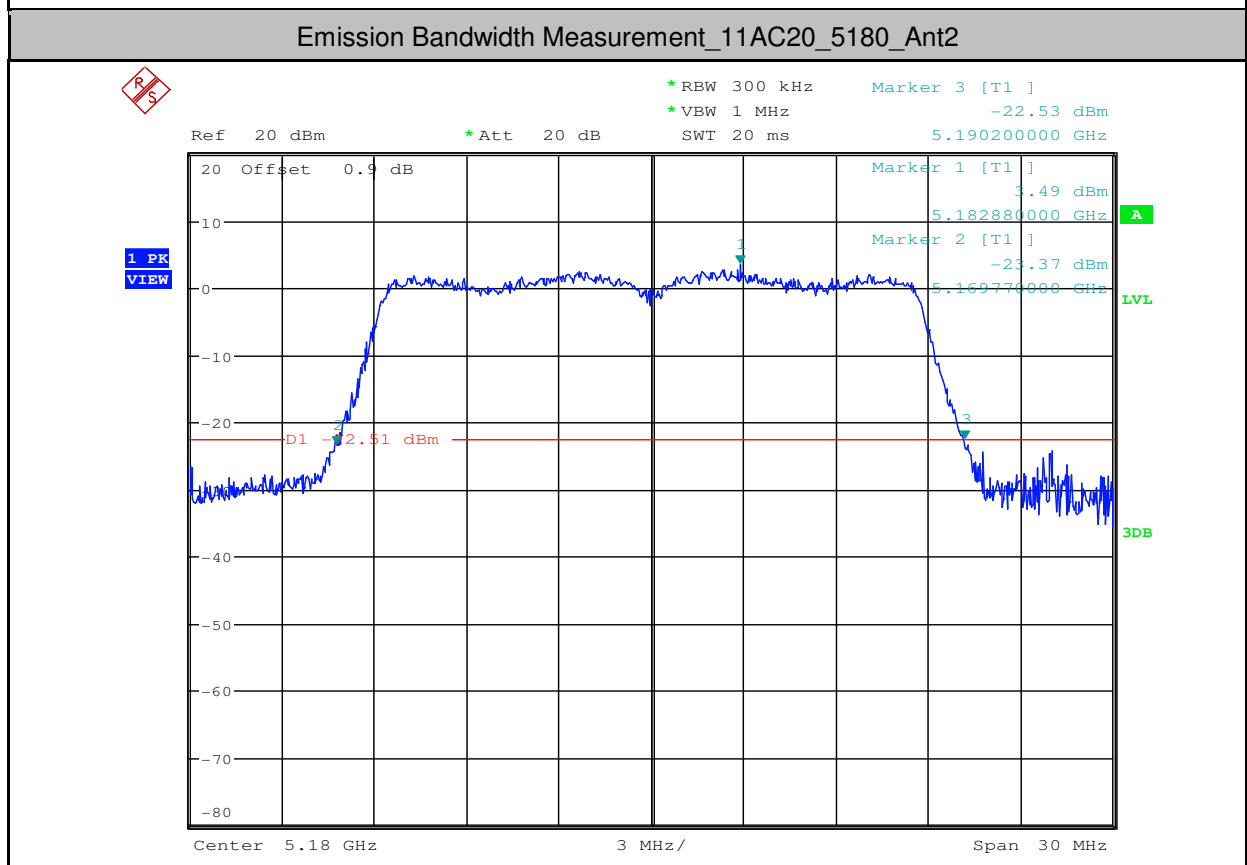
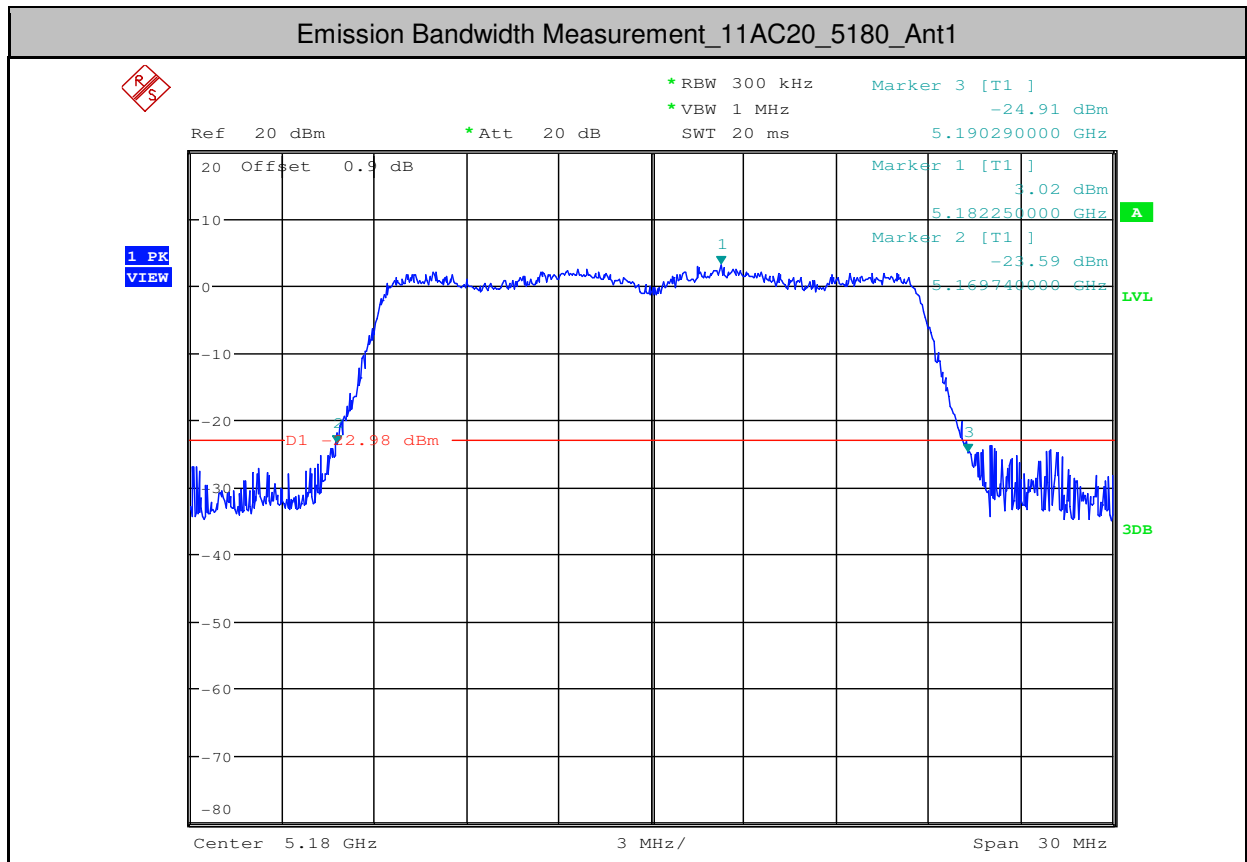
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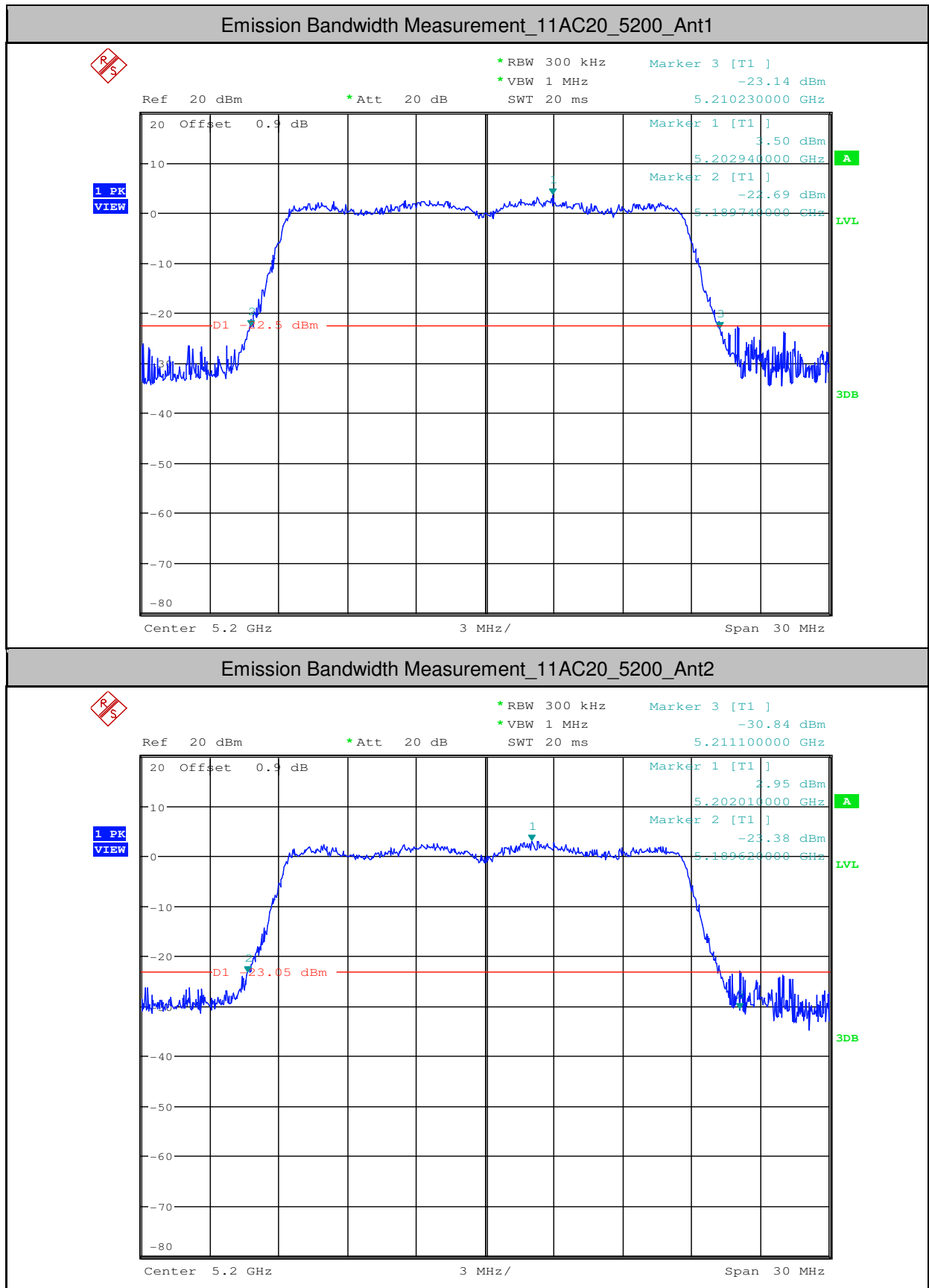


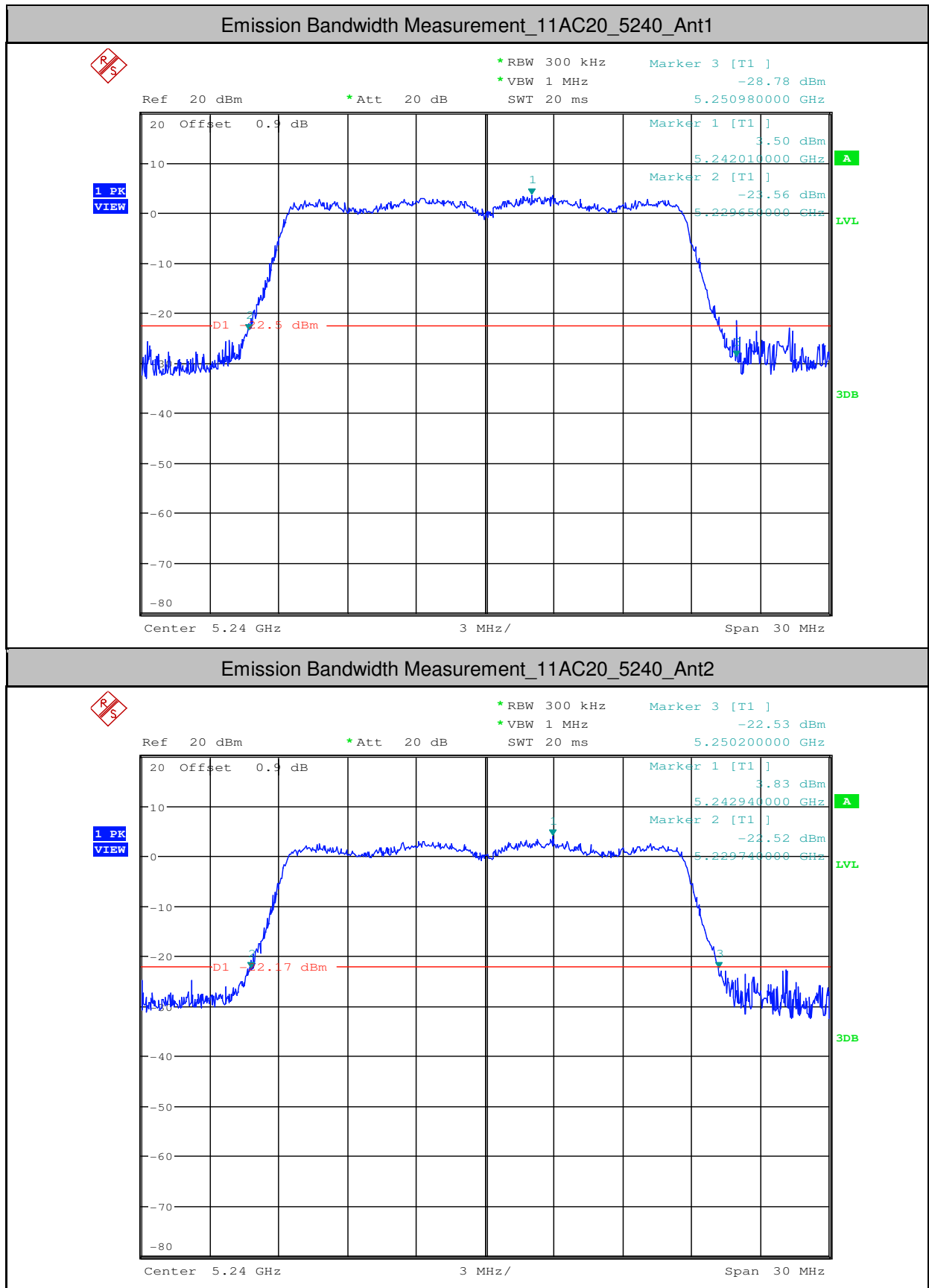


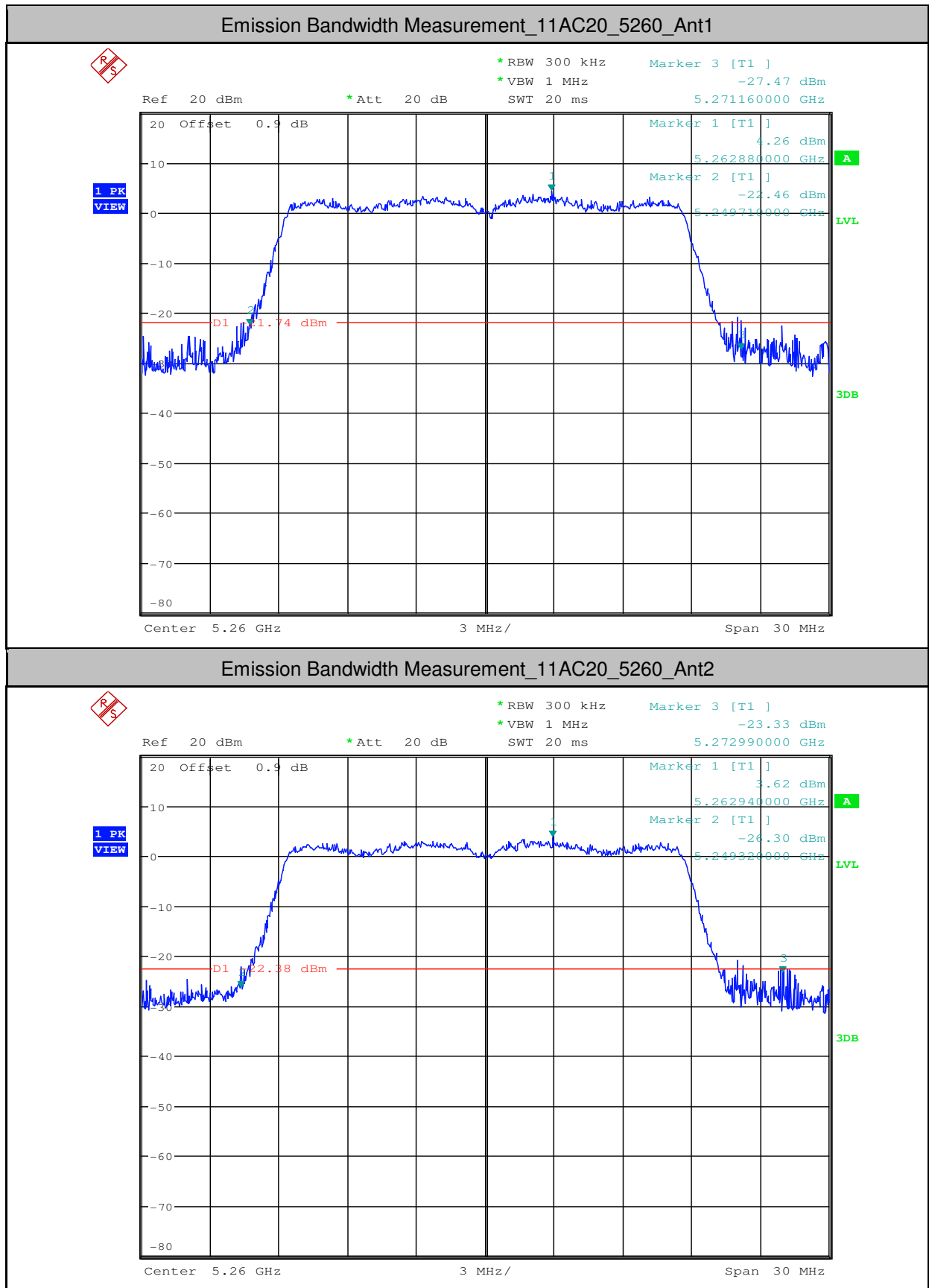


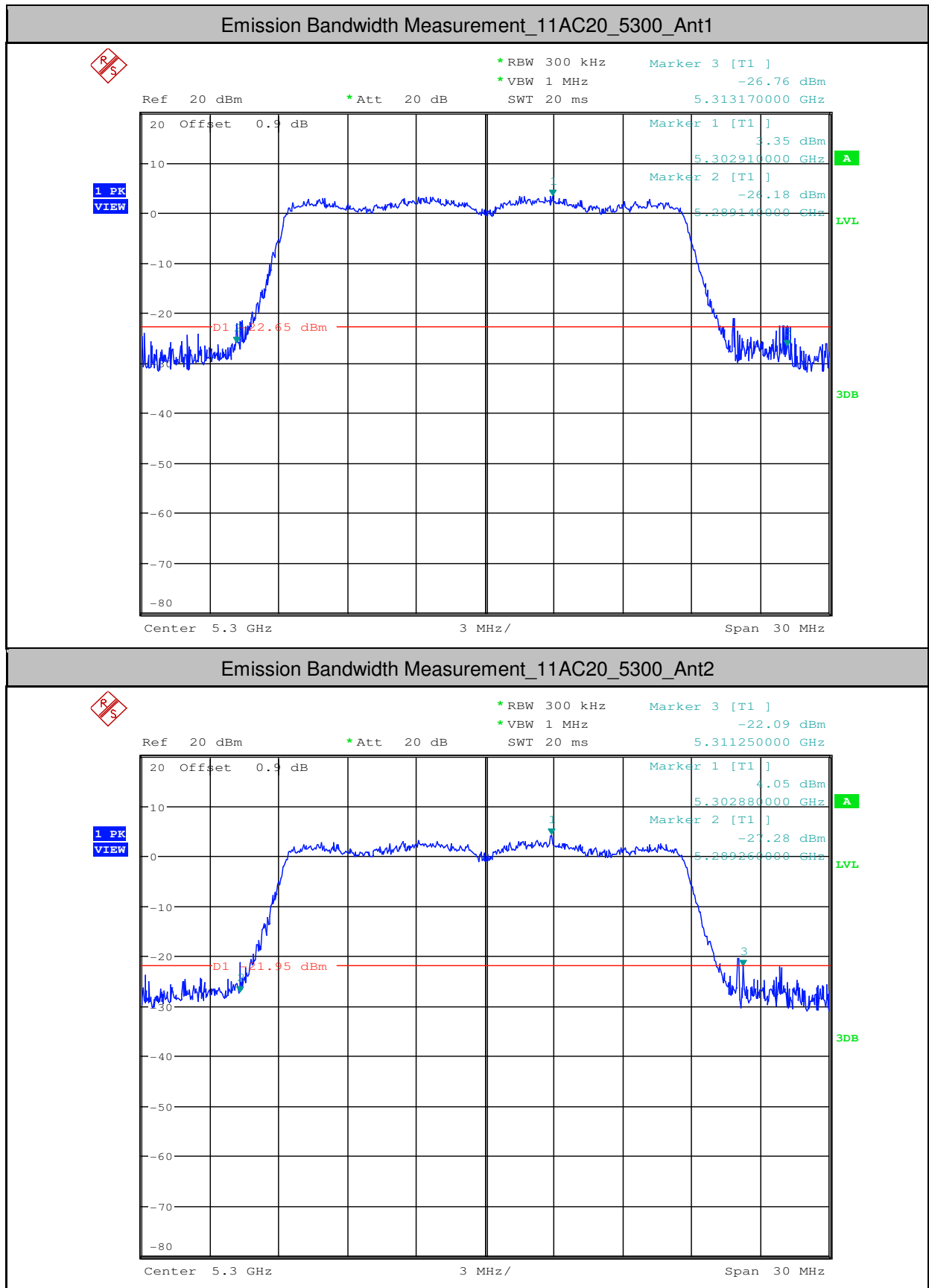


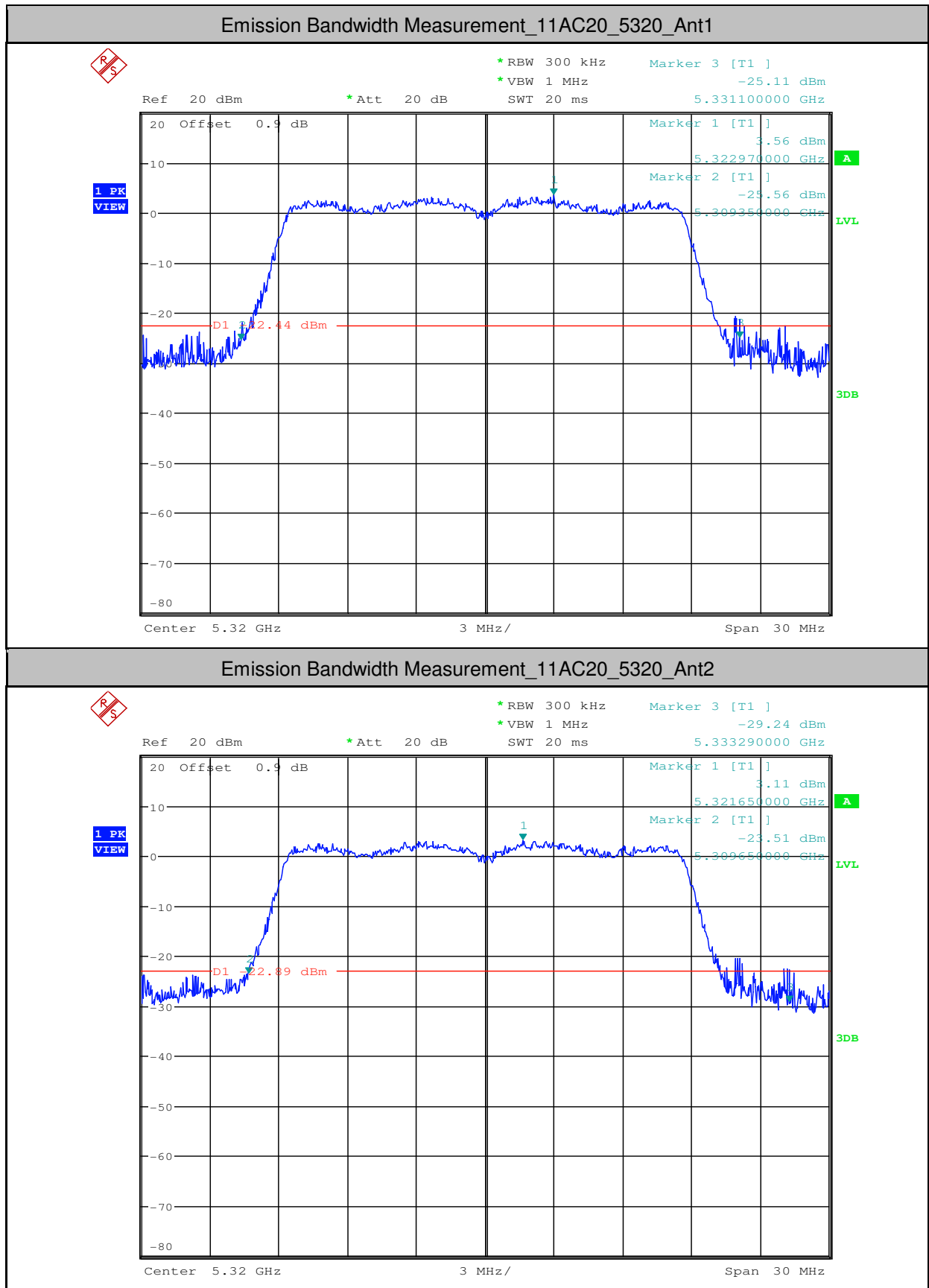


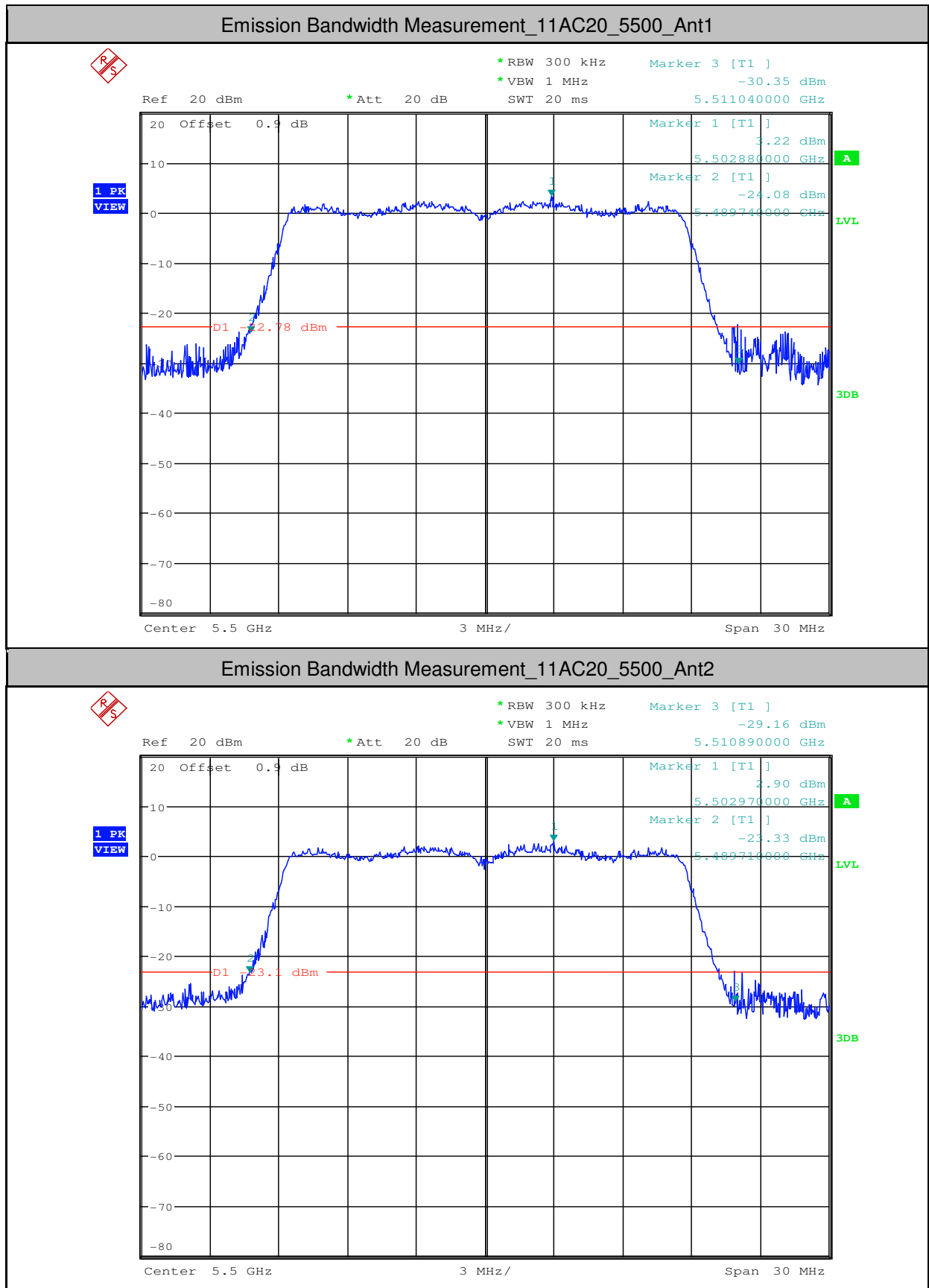


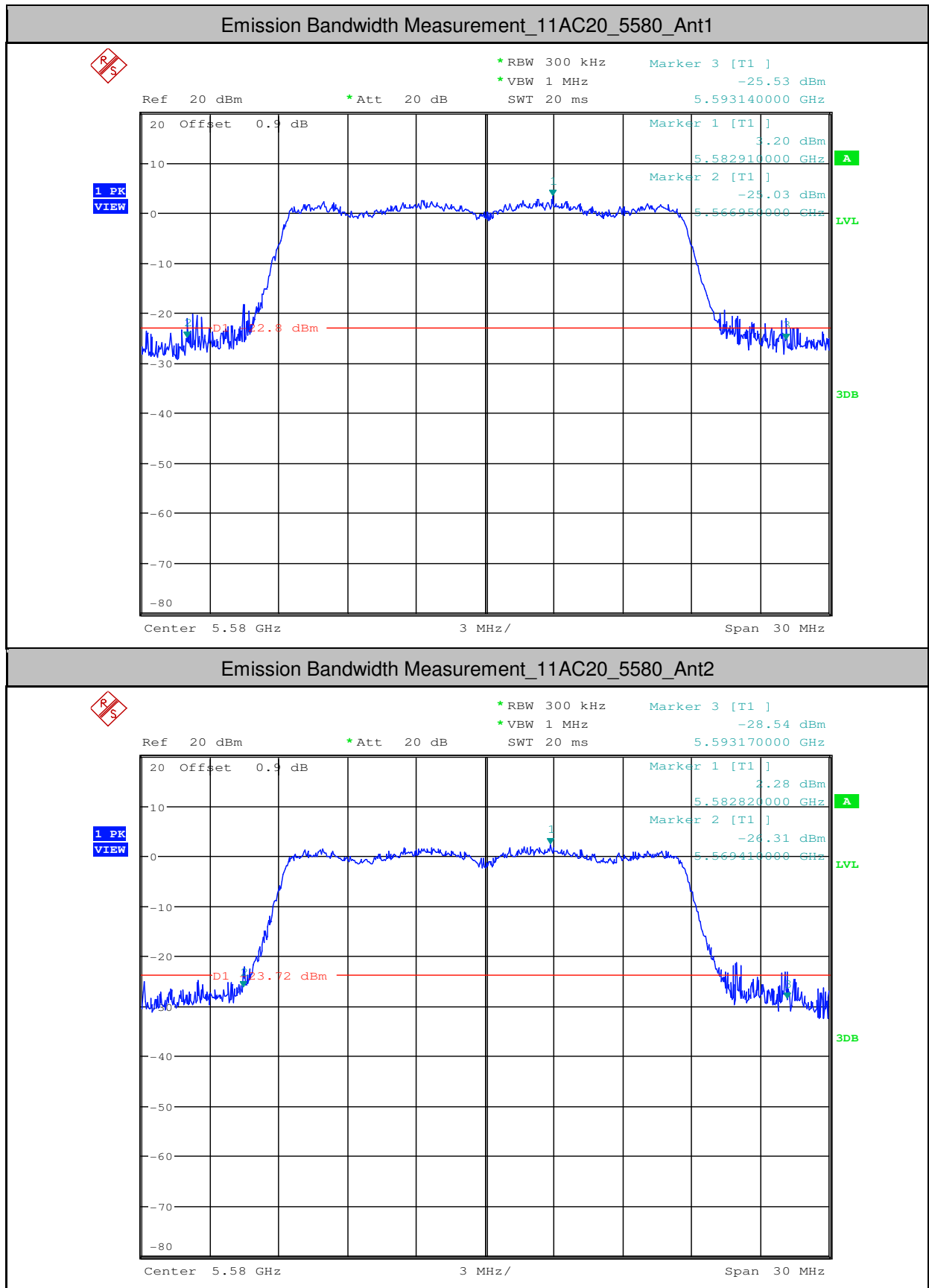


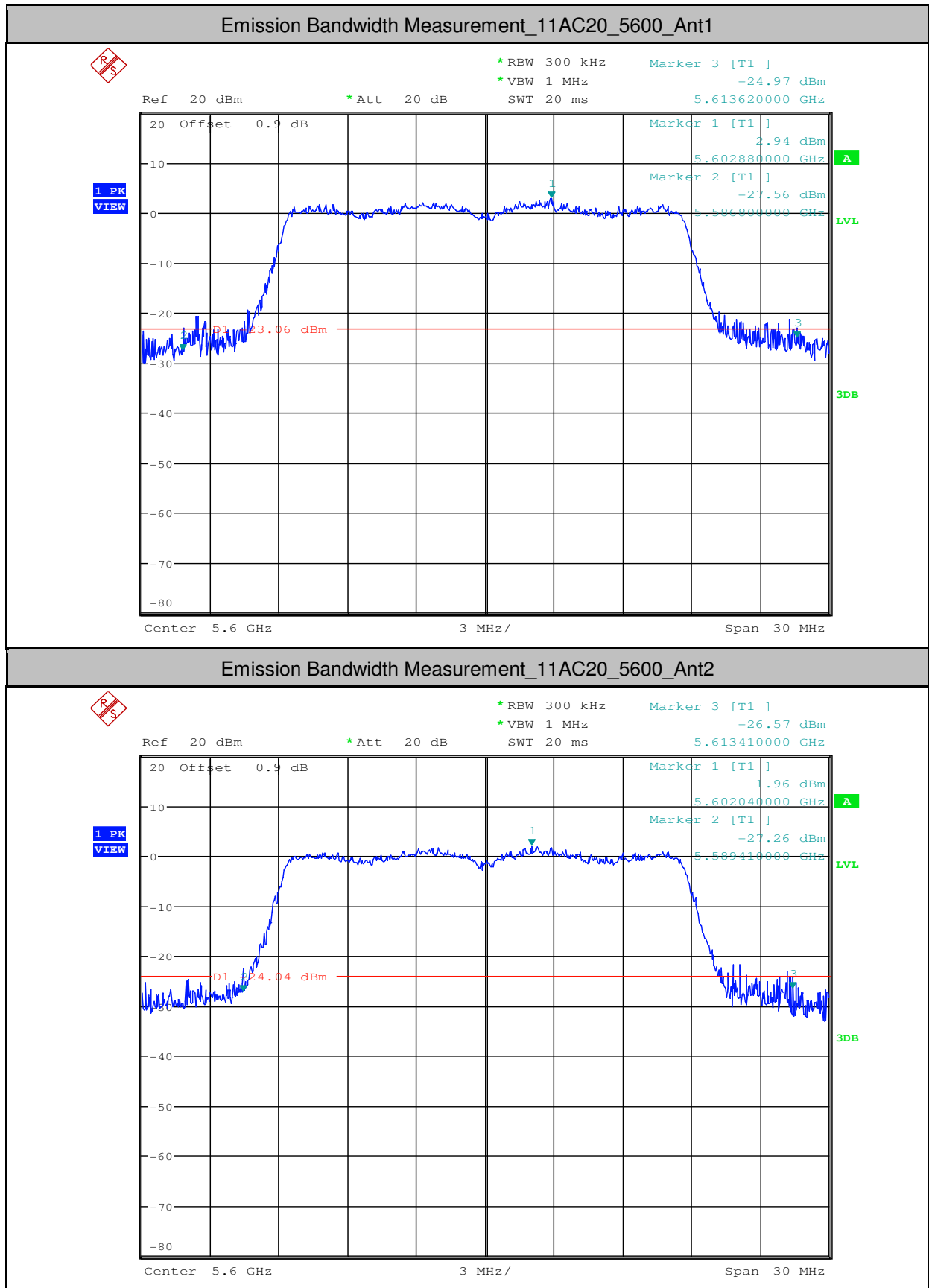


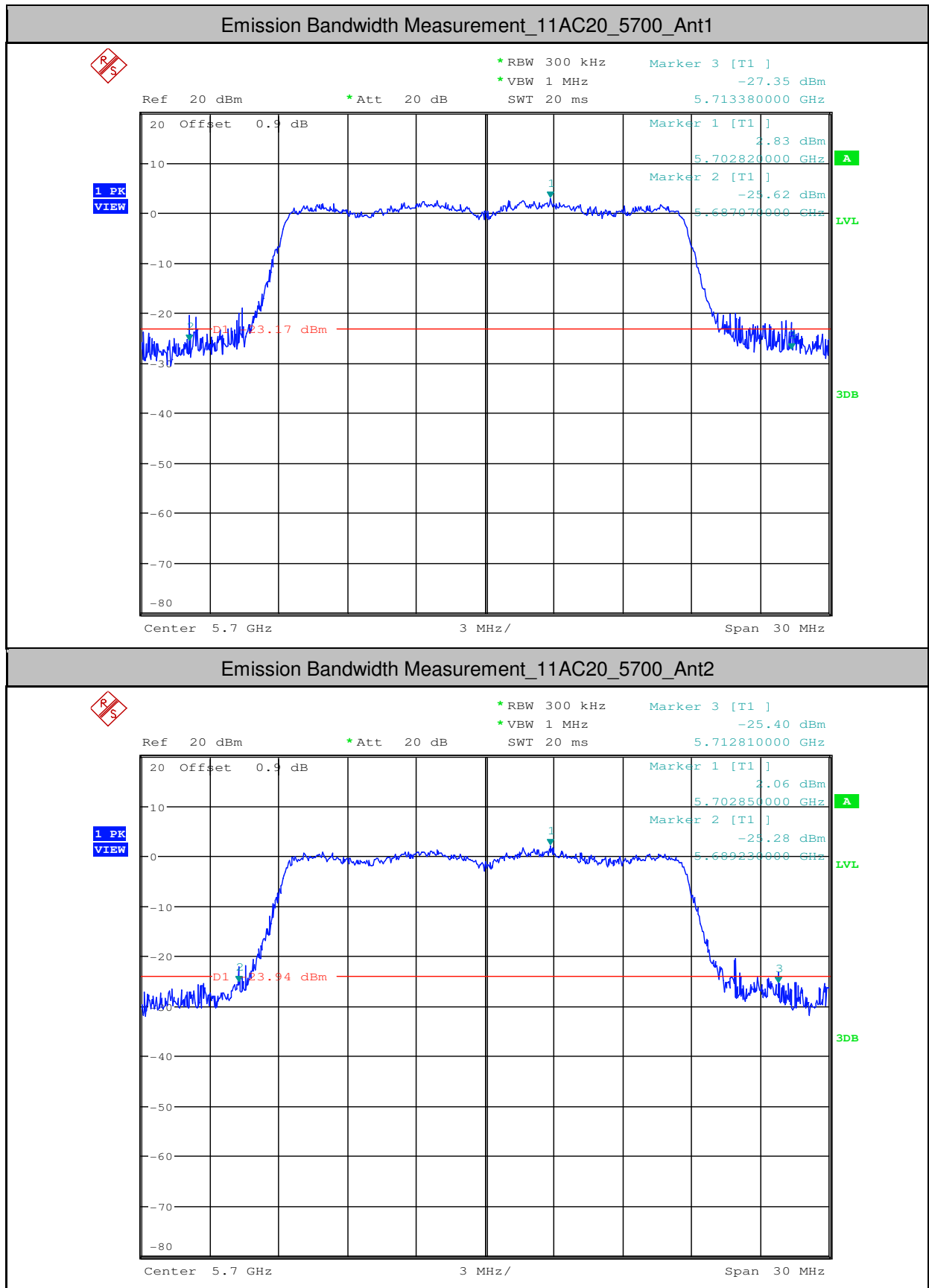


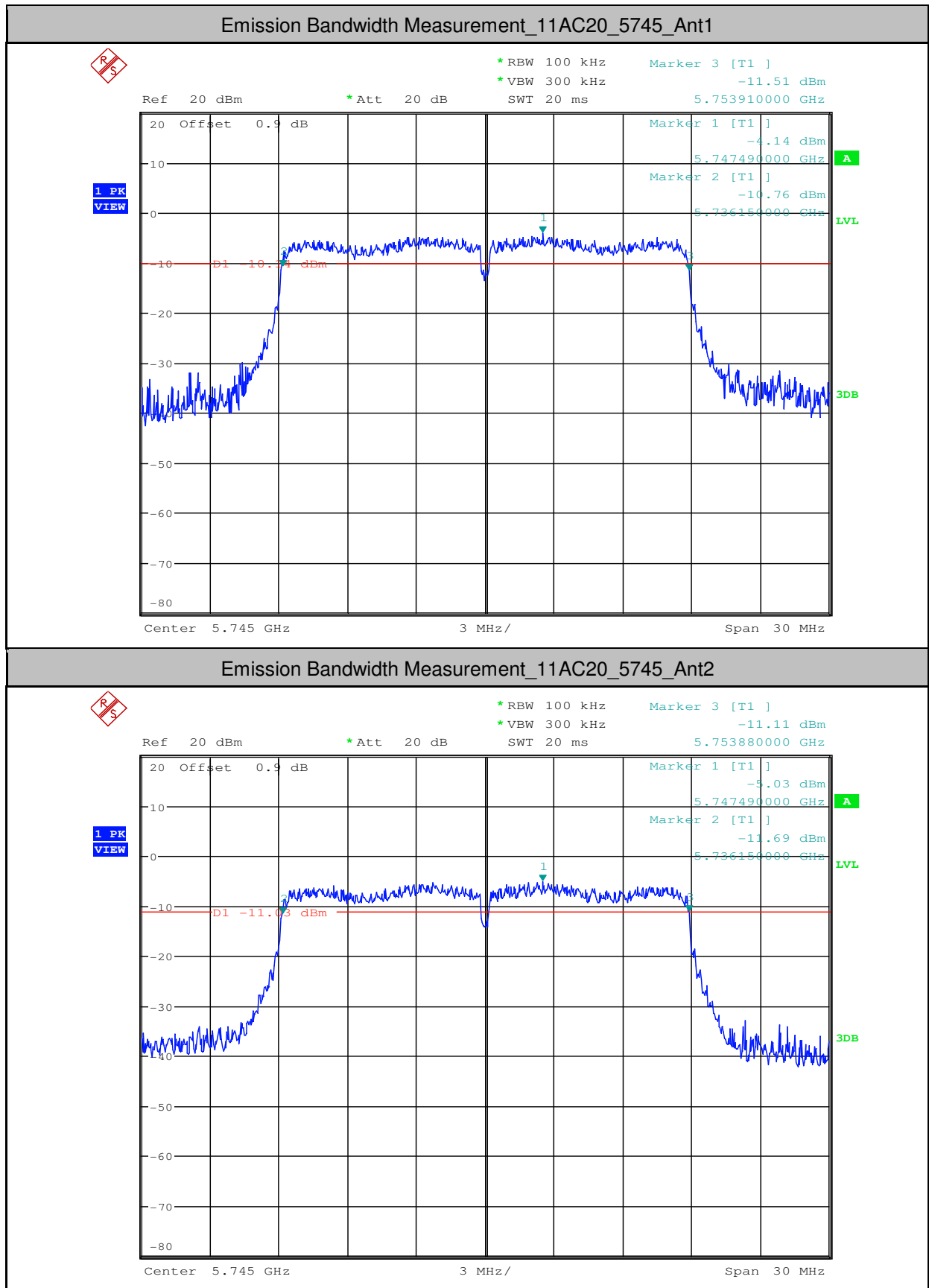


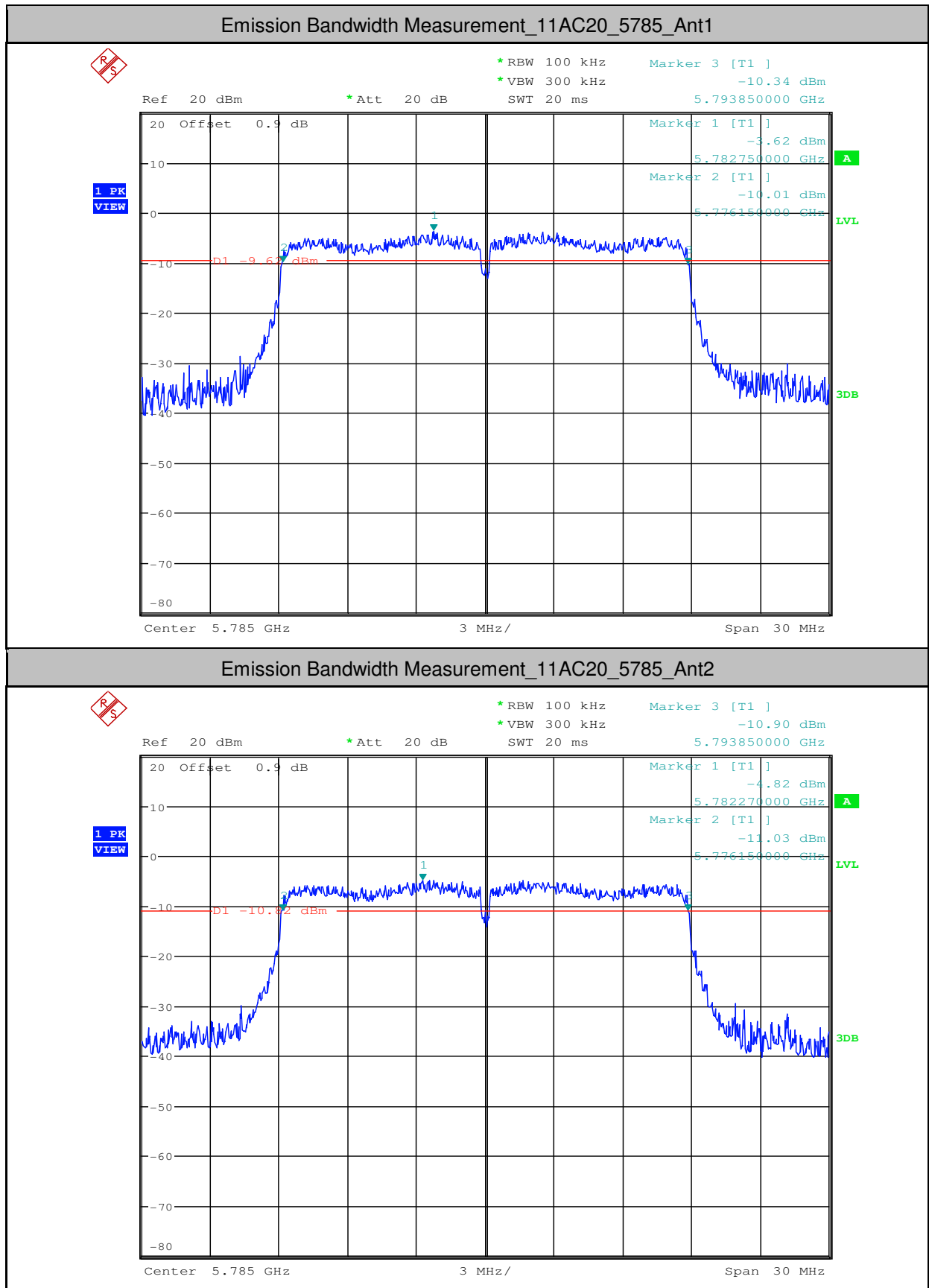






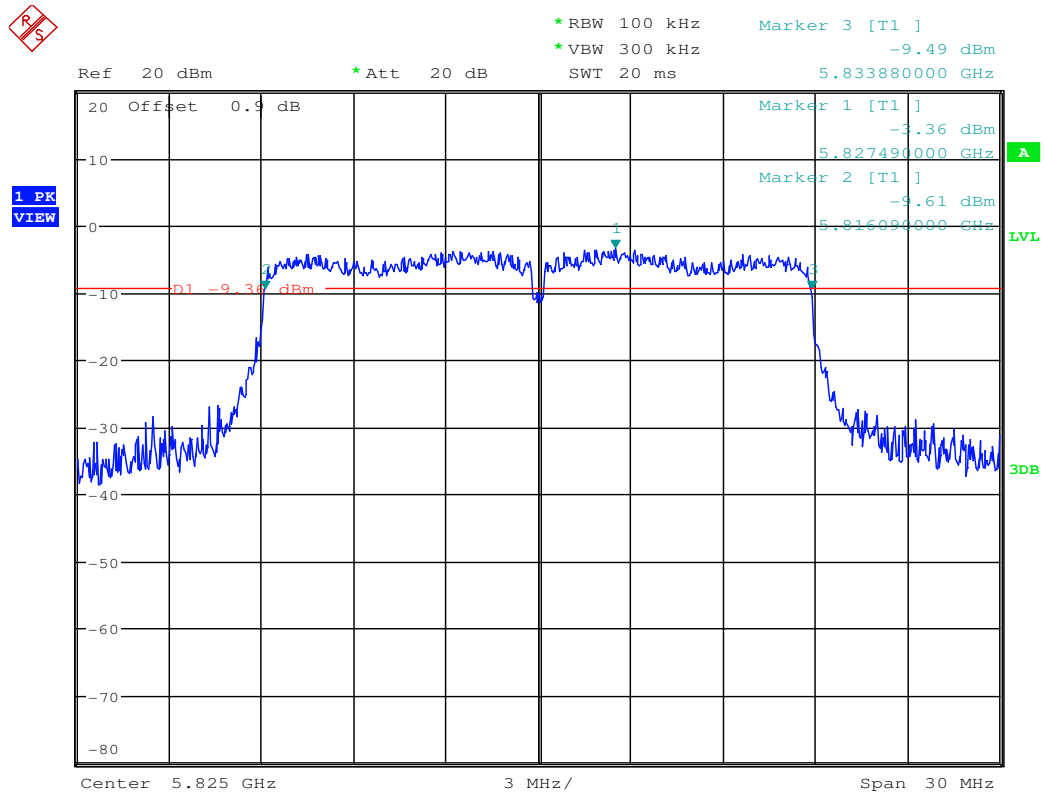




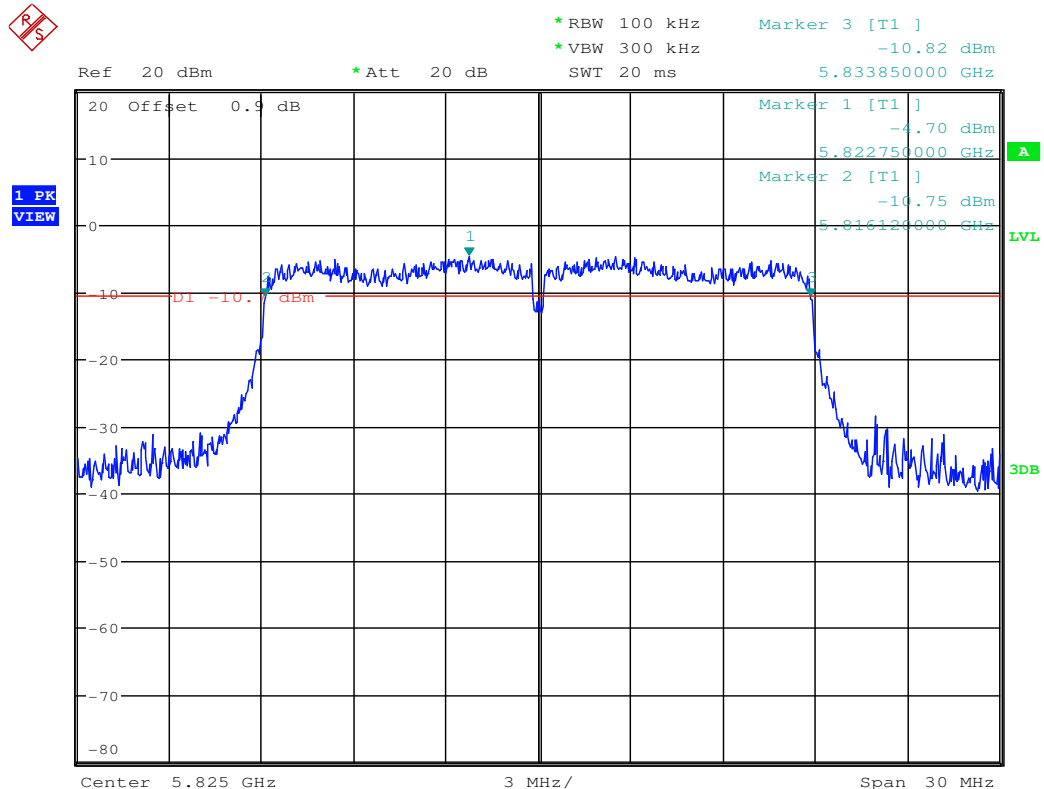


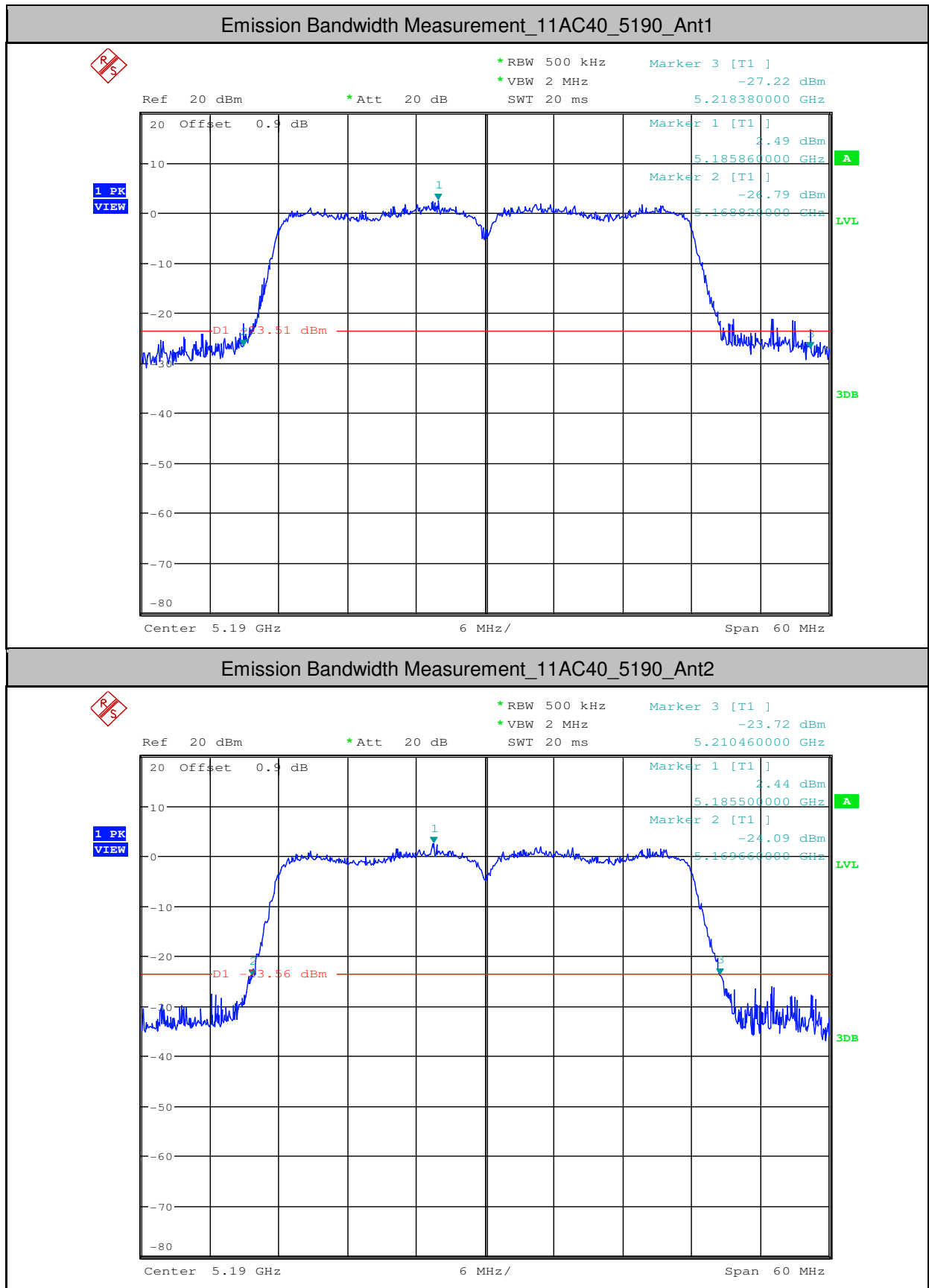


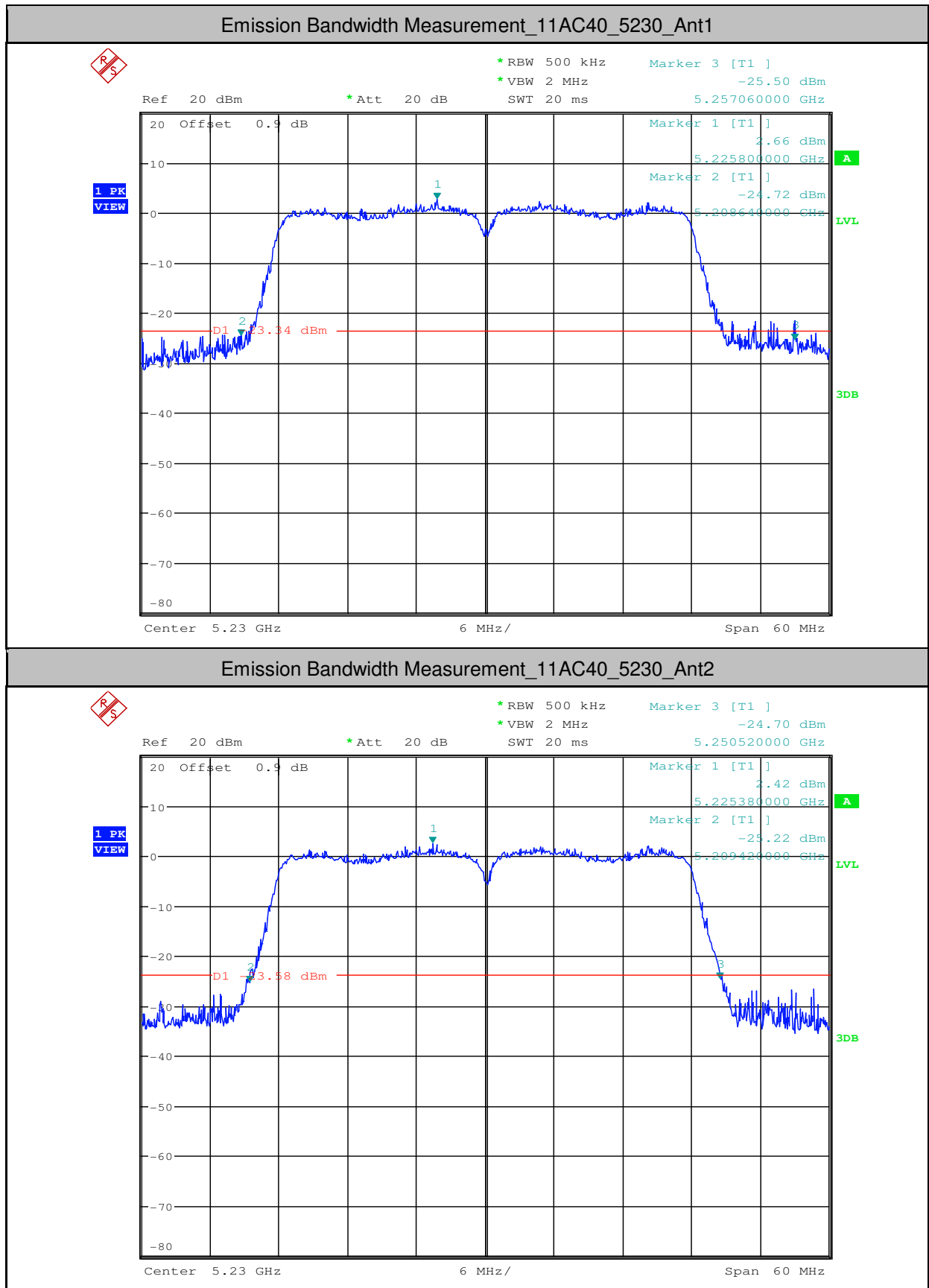
Emission Bandwidth Measurement_11AC20_5825_Ant1

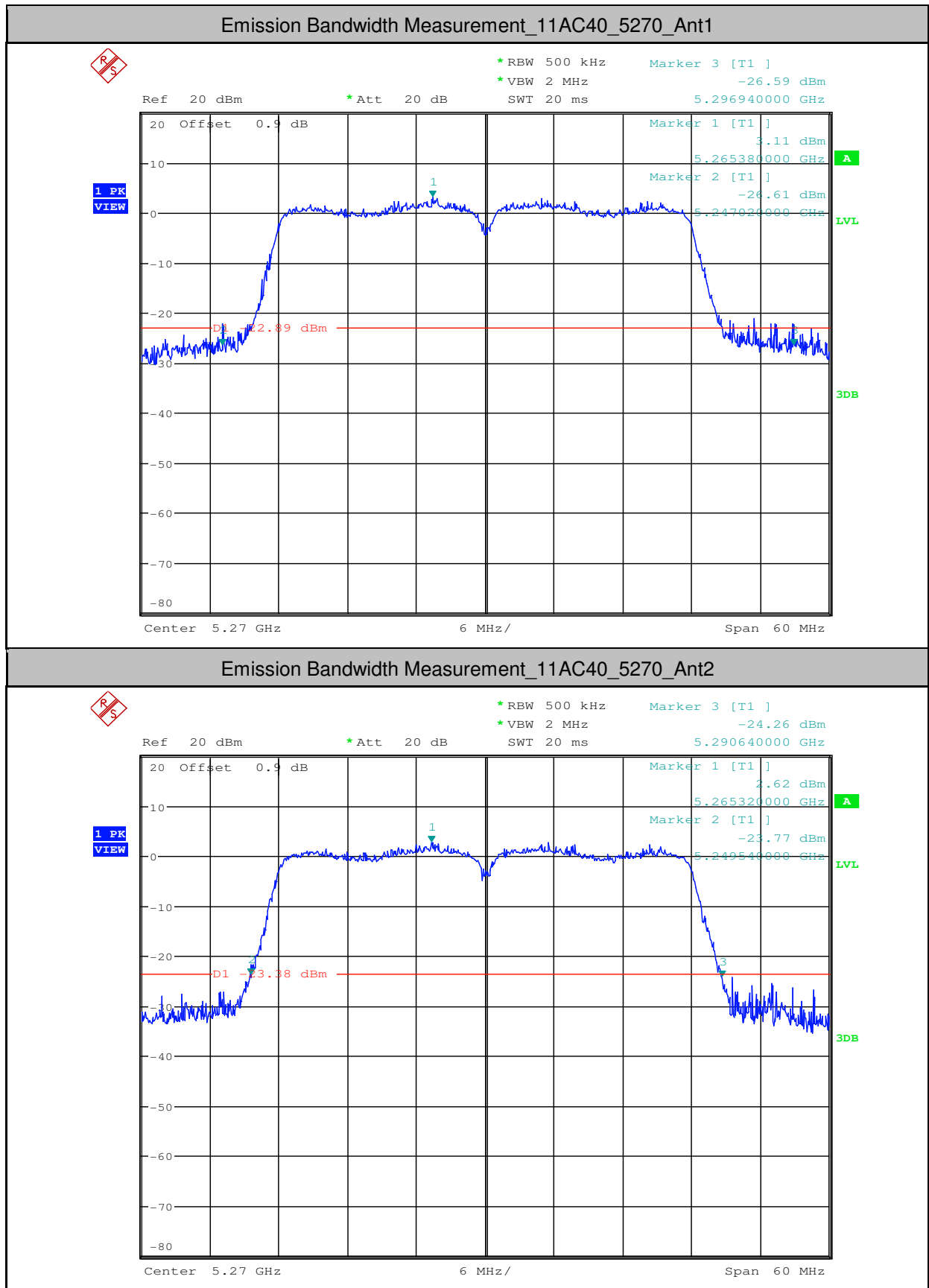


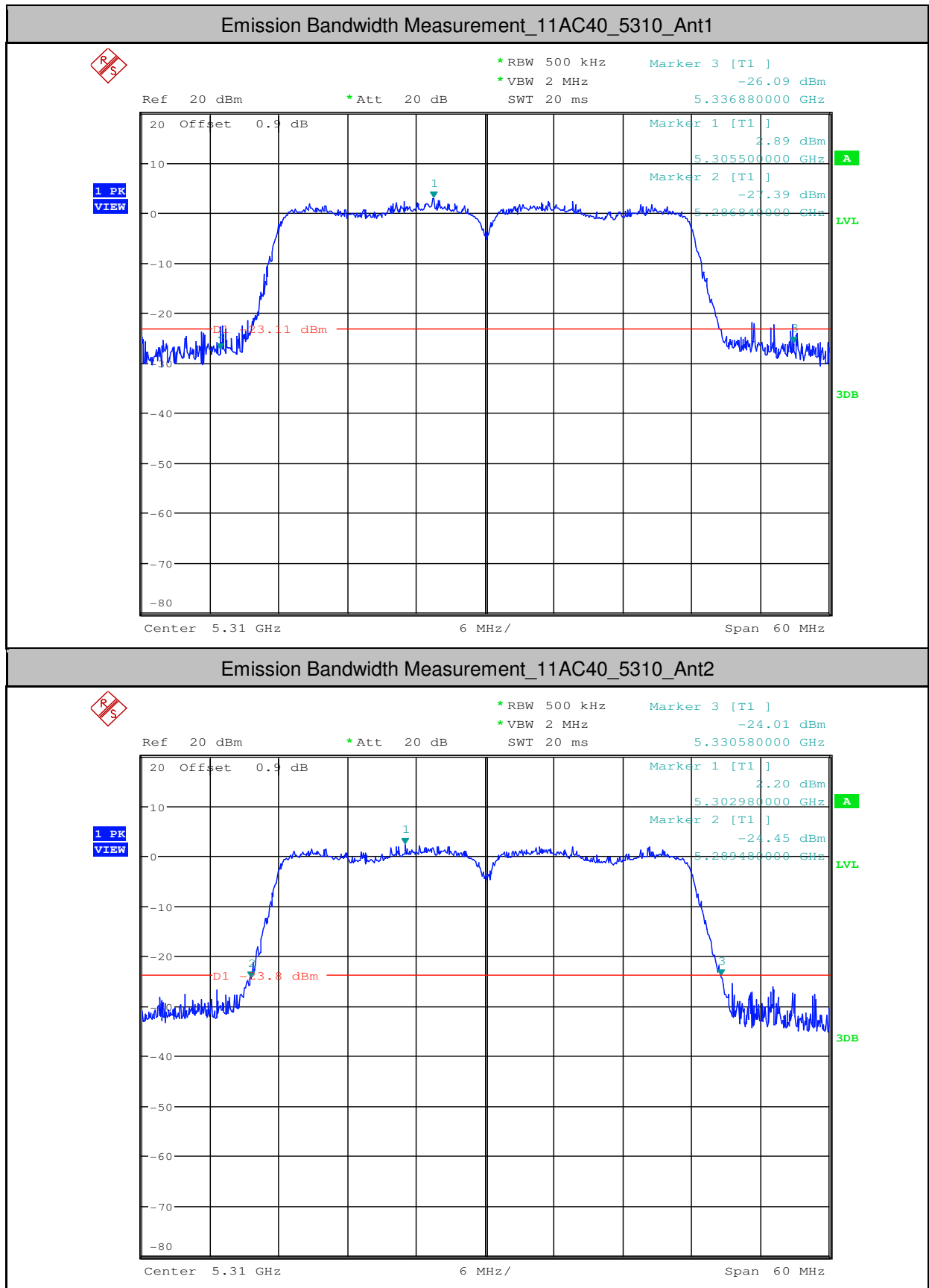
Emission Bandwidth Measurement_11AC20_5825_Ant2

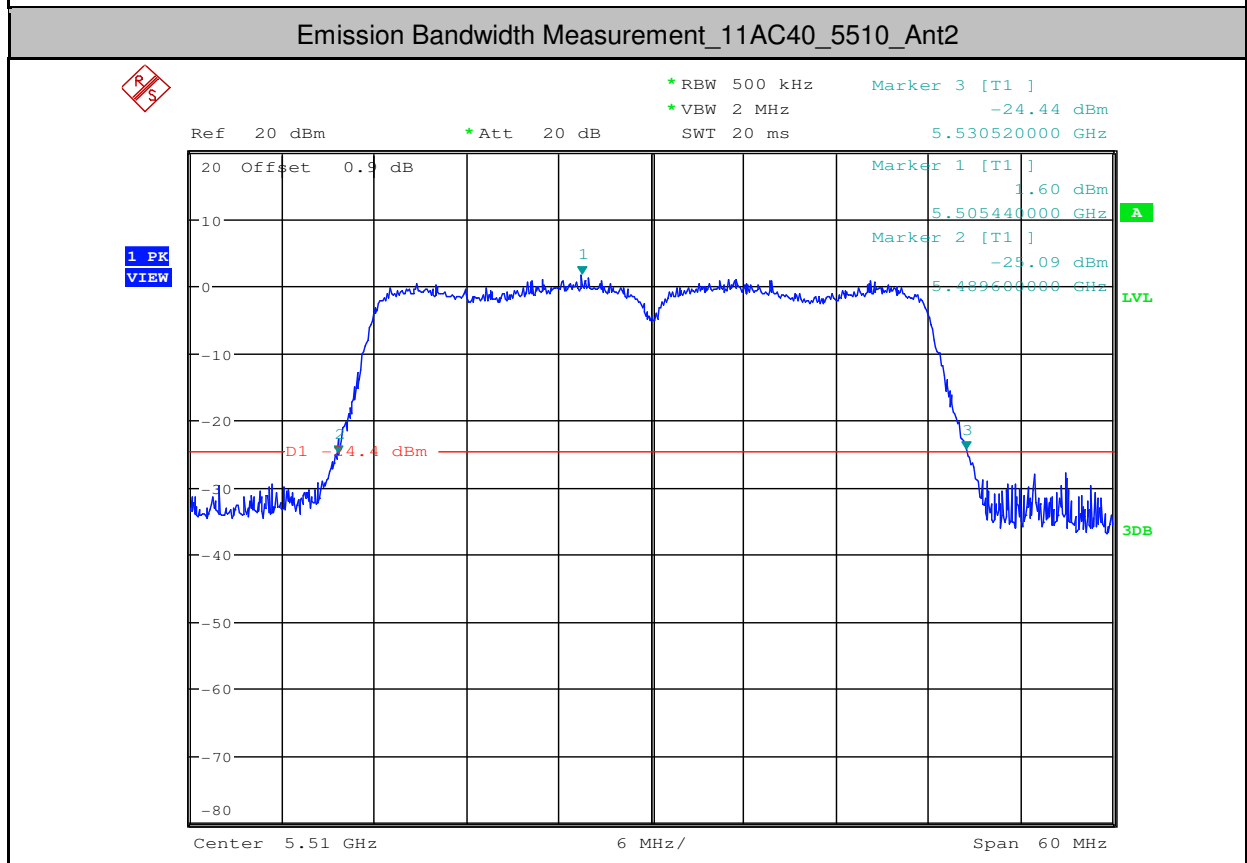
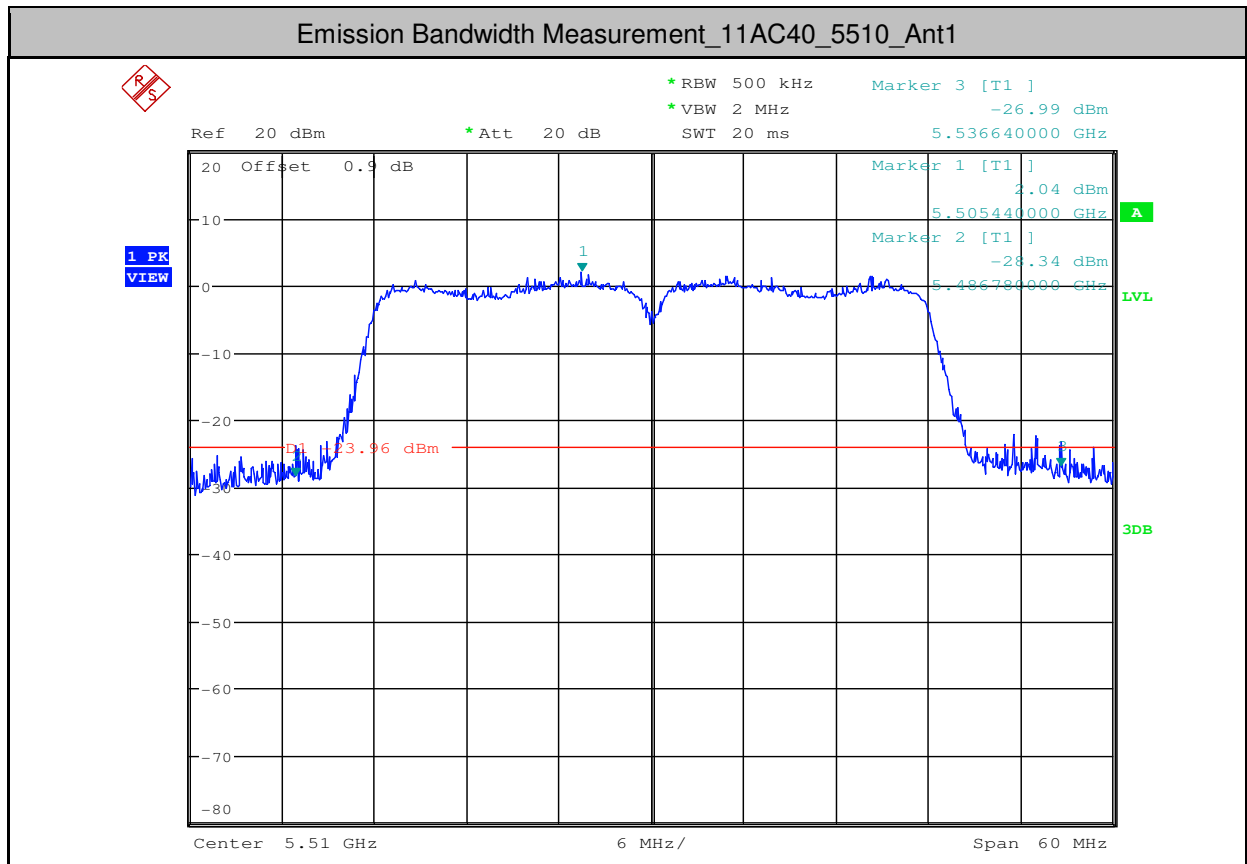


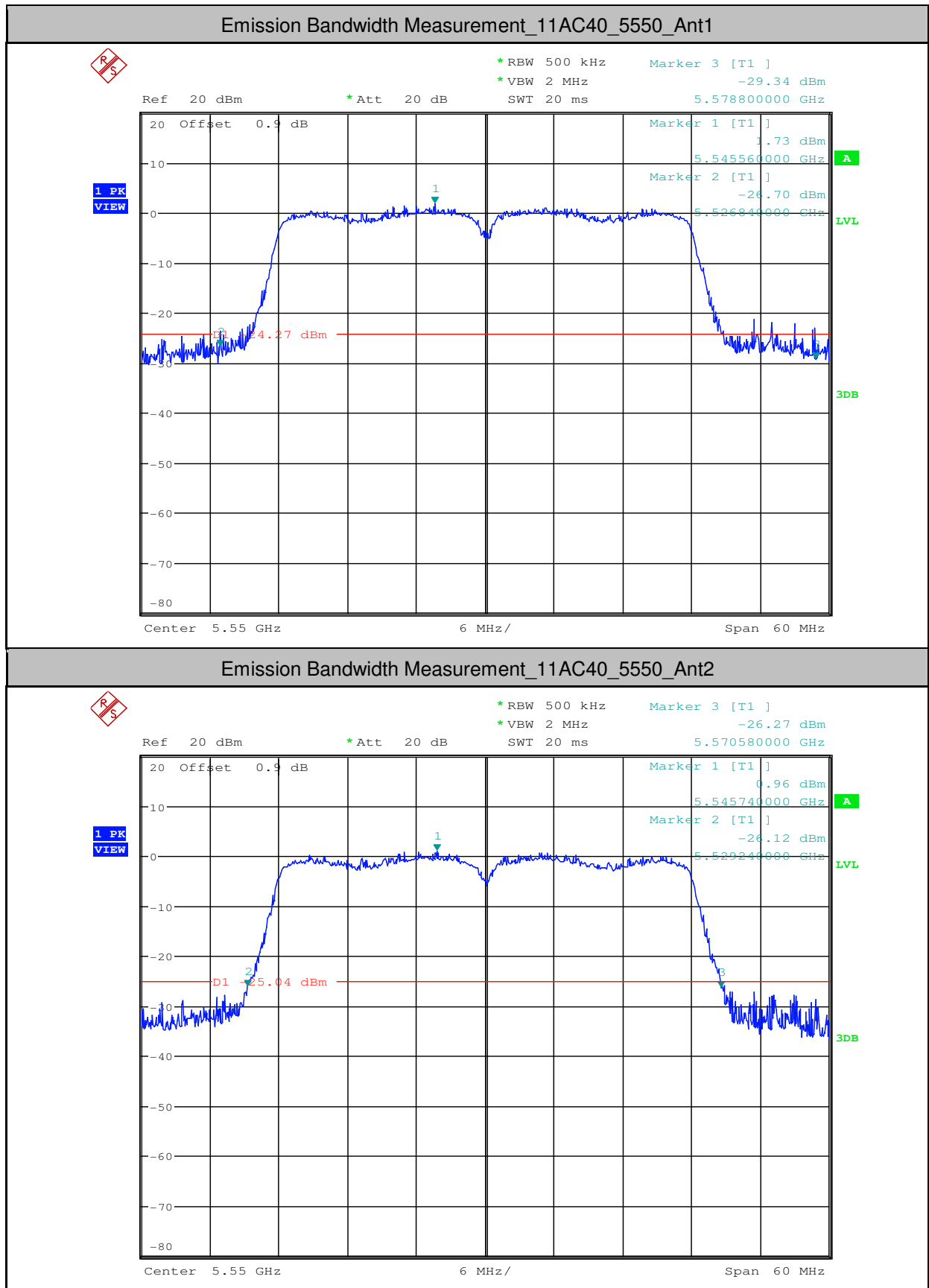


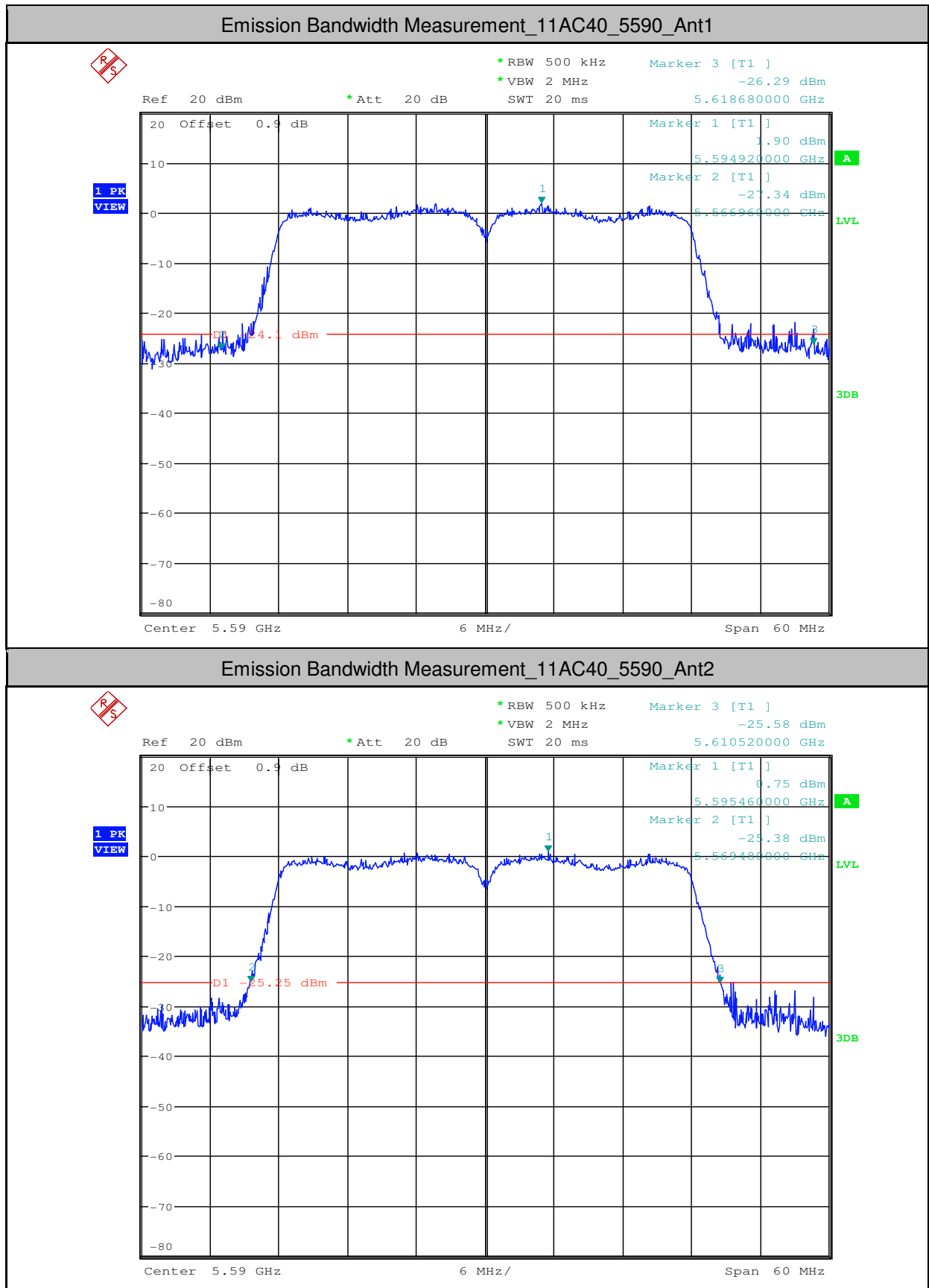


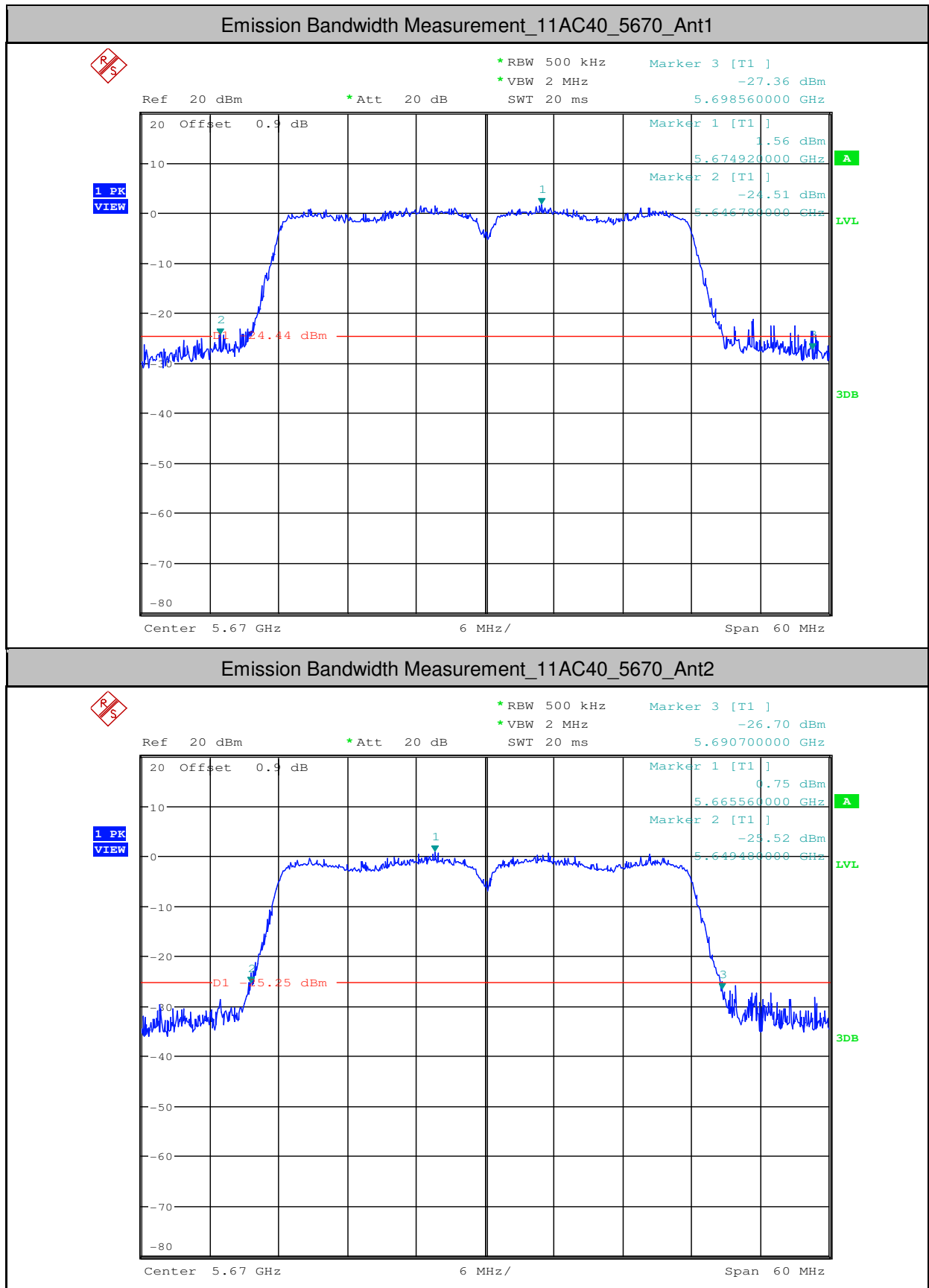


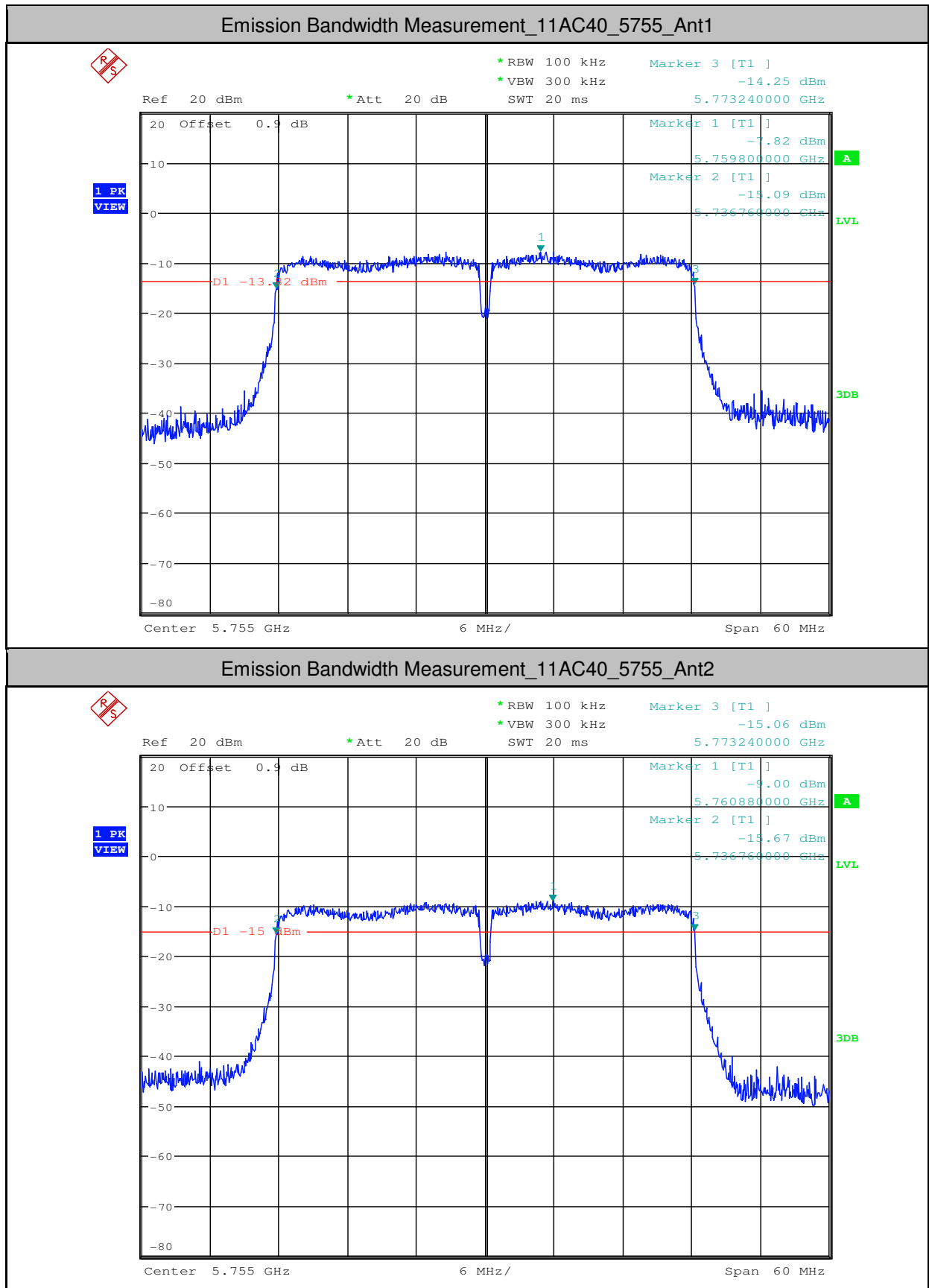


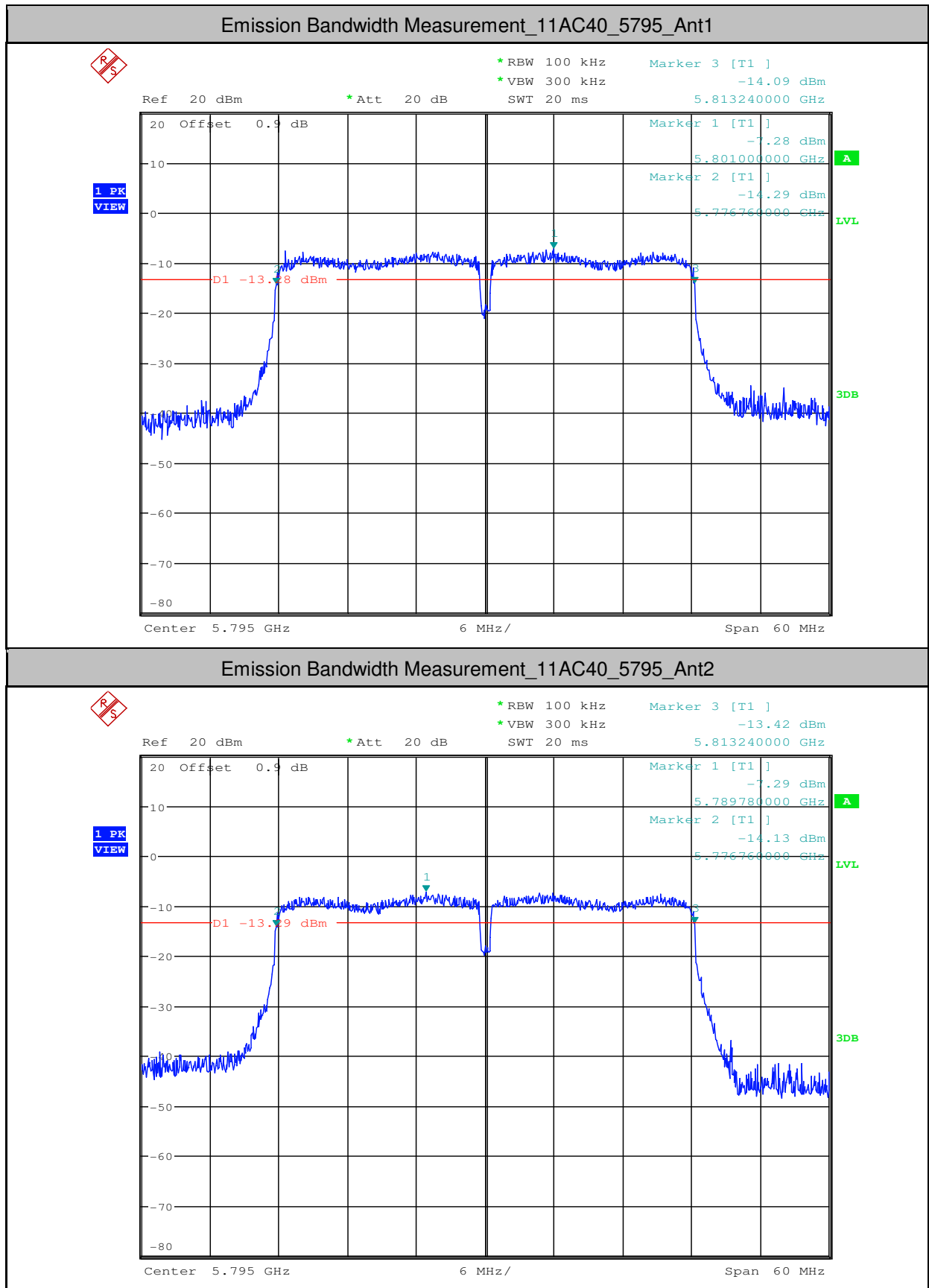


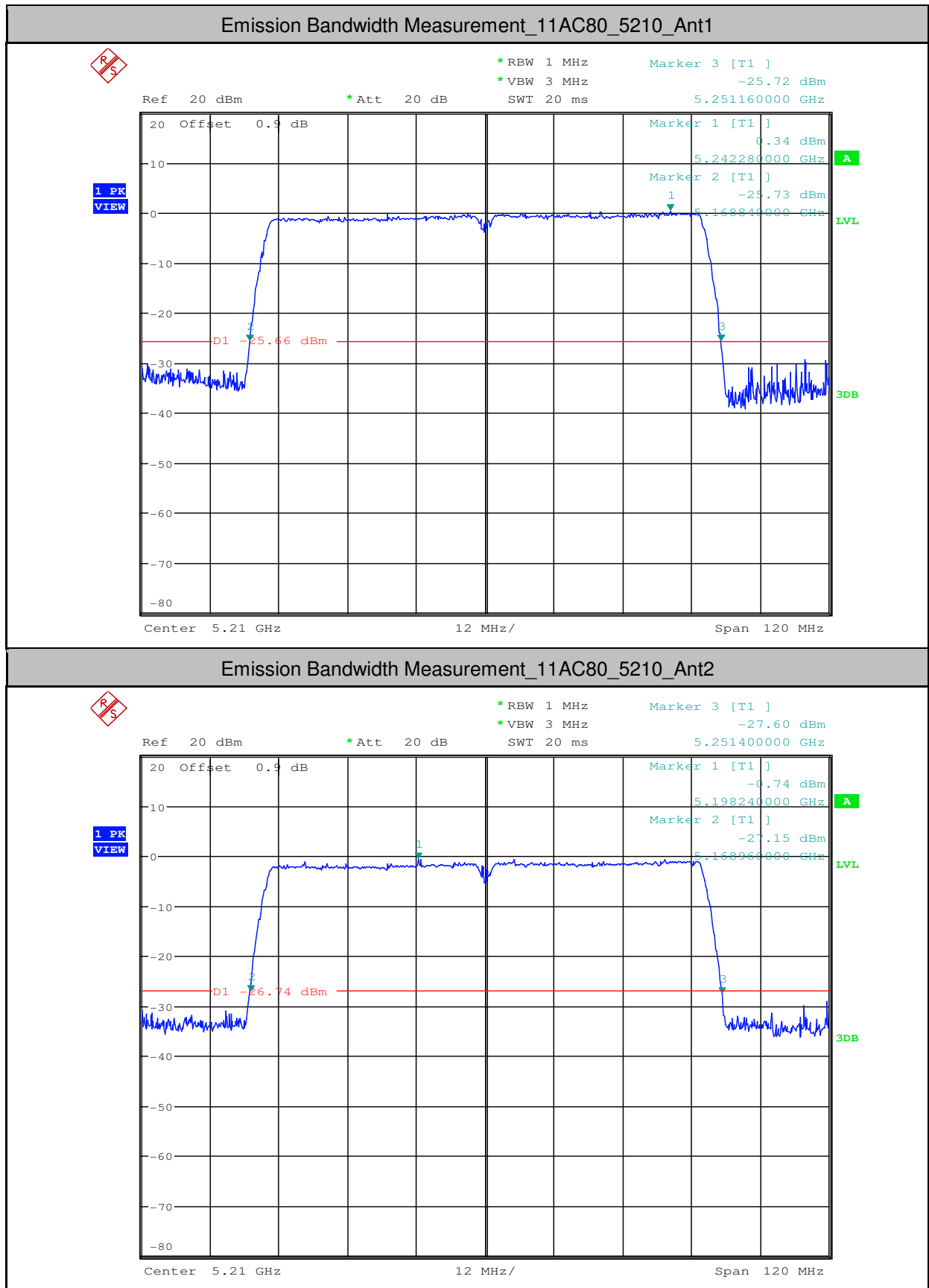






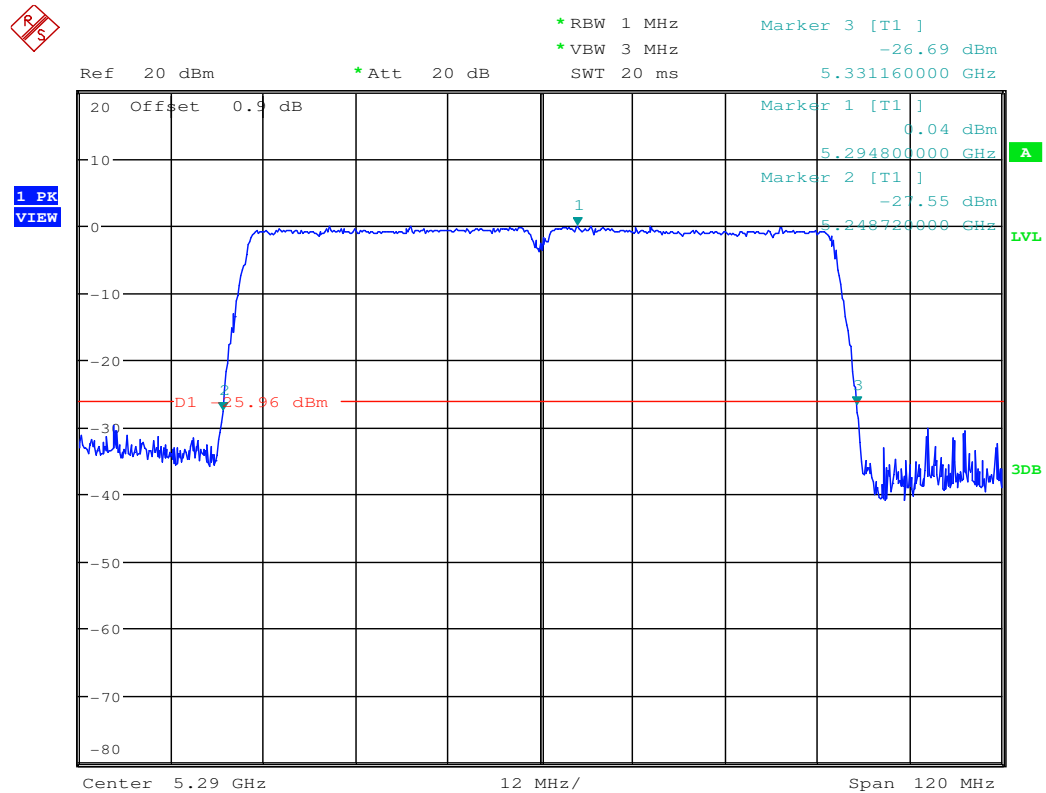




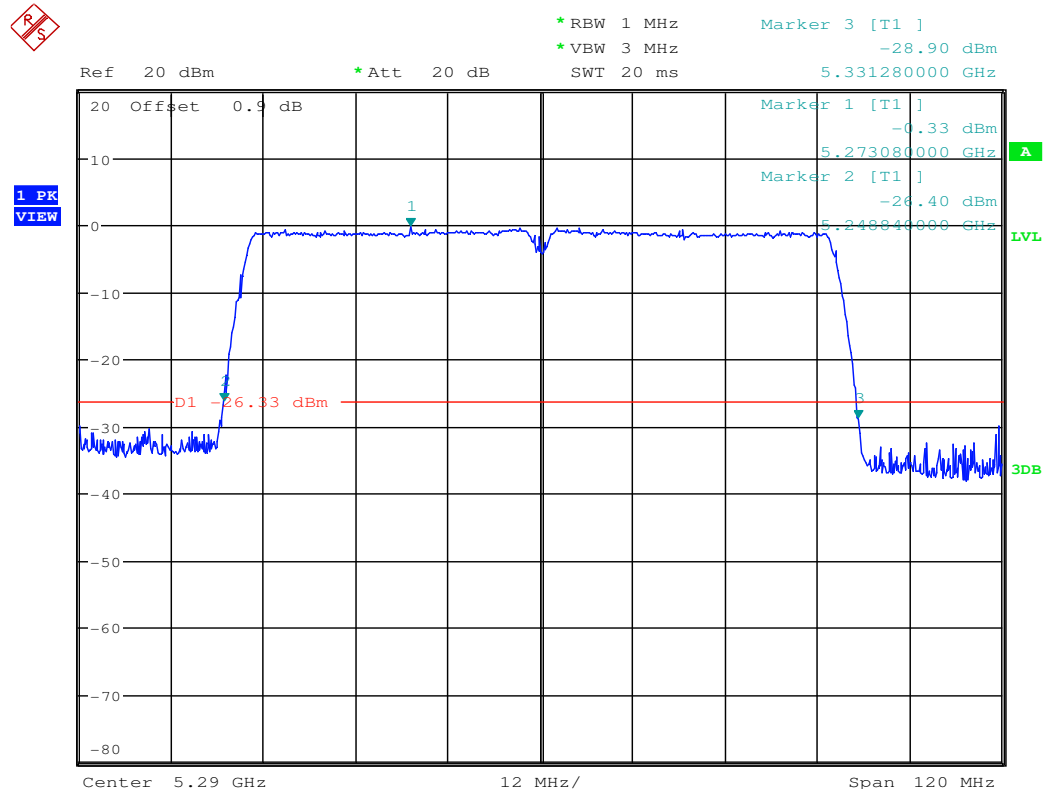




Emission Bandwidth Measurement_11AC80_5290_Ant1

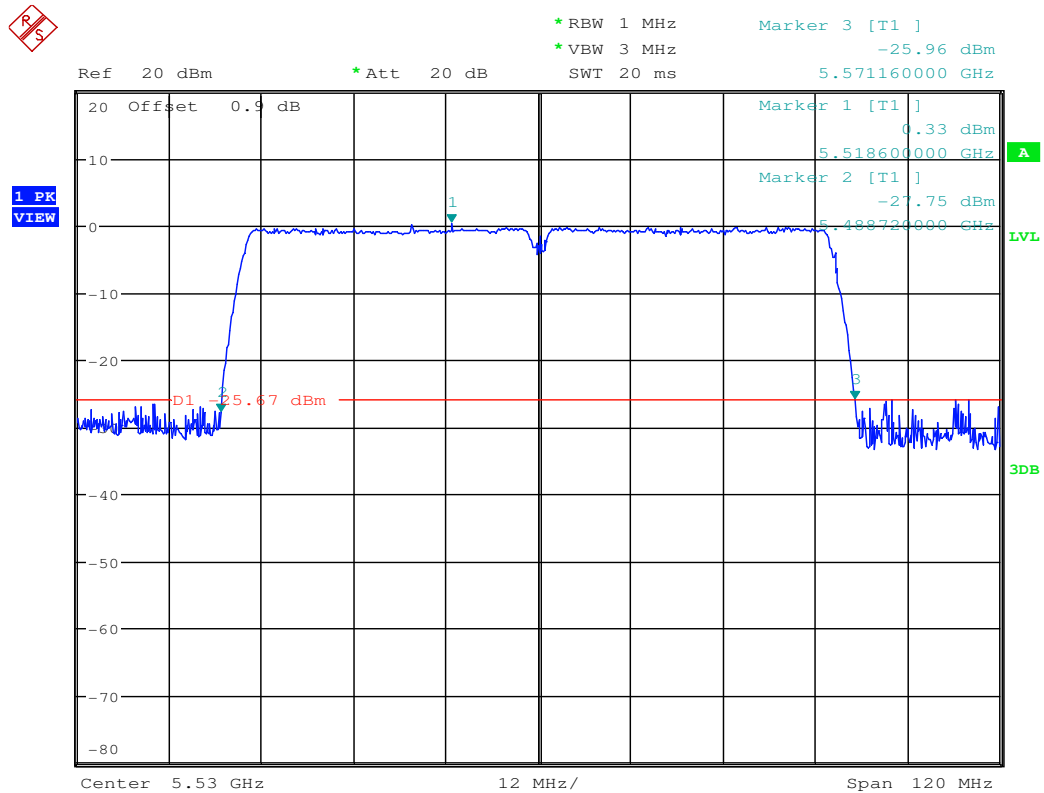


Emission Bandwidth Measurement_11AC80_5290_Ant2

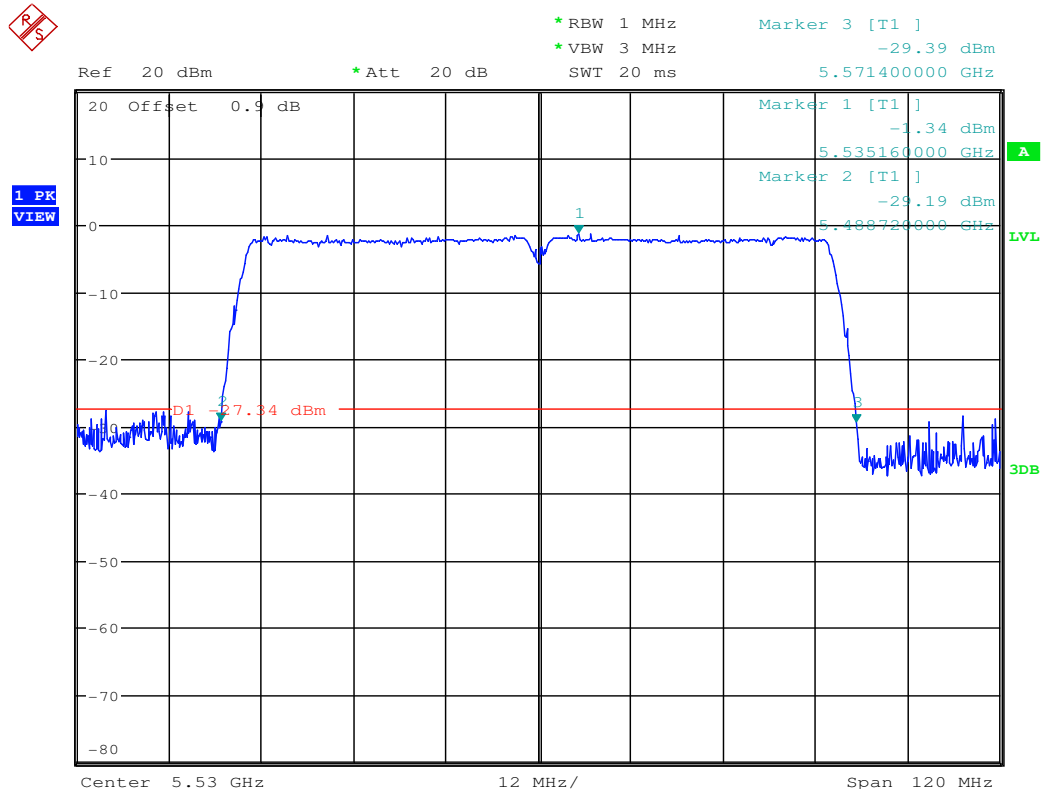


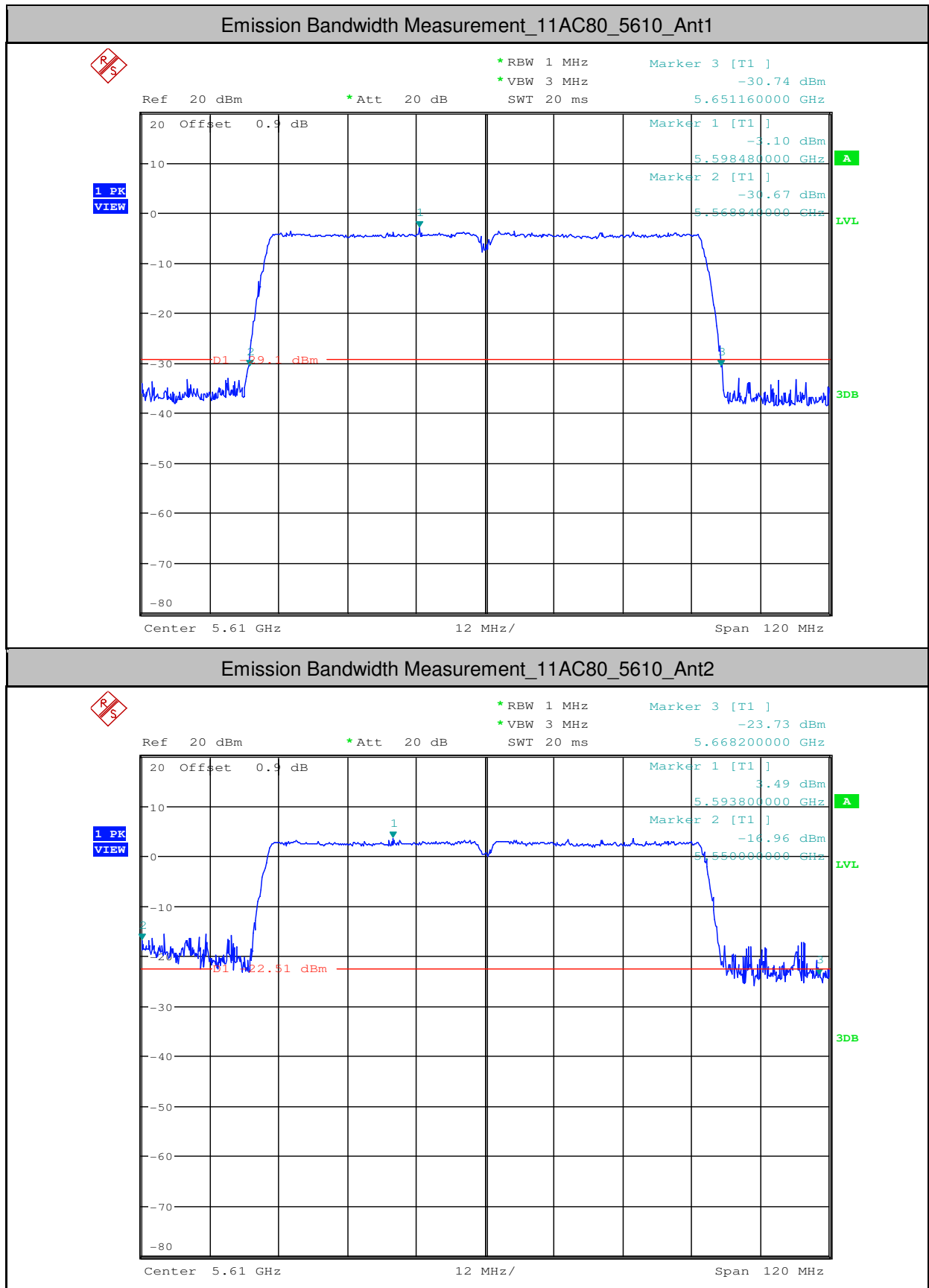


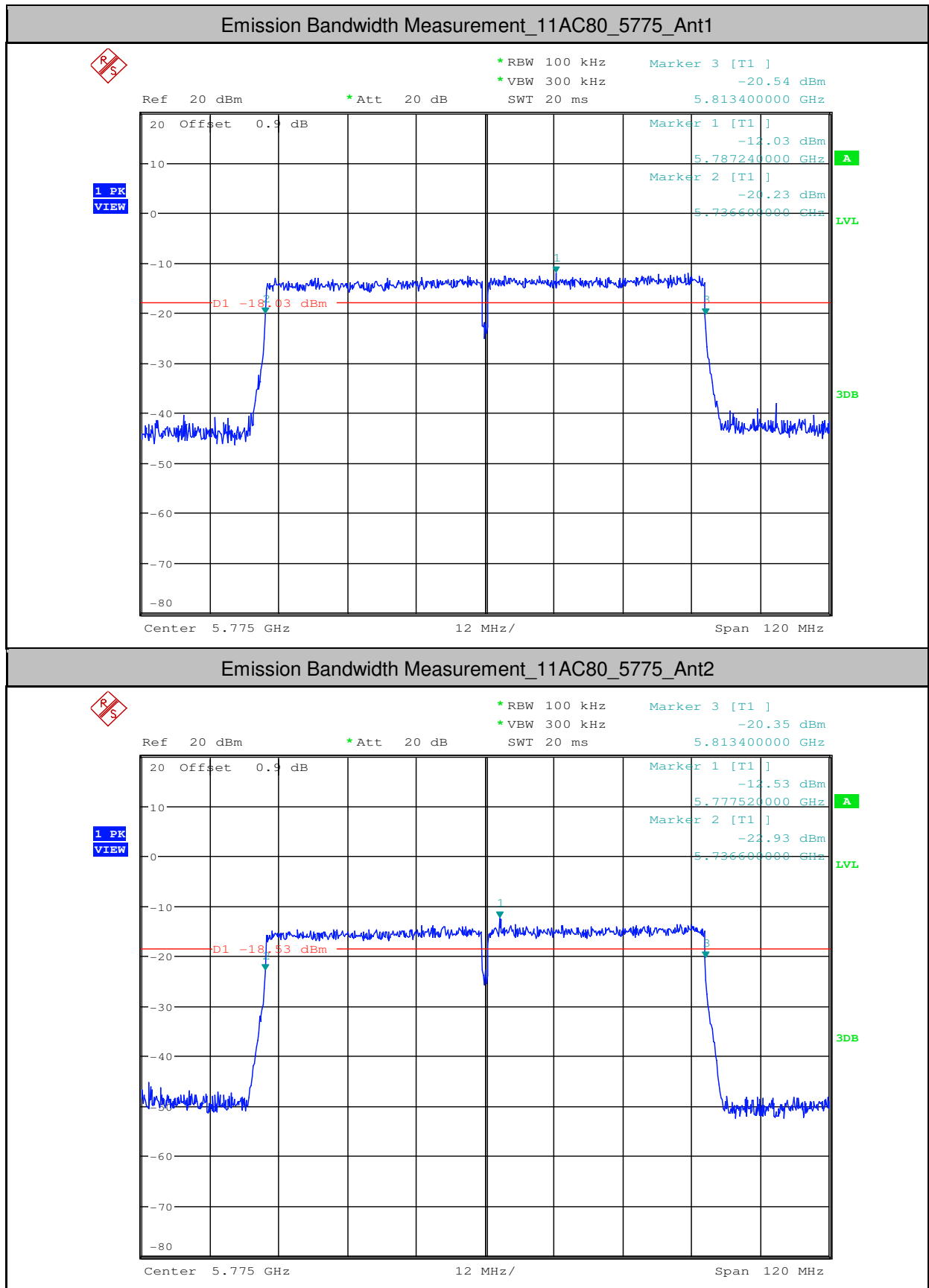
Emission Bandwidth Measurement_11AC80_5530_Ant1



Emission Bandwidth Measurement_11AC80_5530_Ant2









2.Occupied Bandwidth Measurement

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	16.860	---	PASS
11A	5180	Ant2	16.890	---	PASS
11A	5200	Ant1	16.860	---	PASS
11A	5200	Ant2	16.860	---	PASS
11A	5240	Ant1	16.830	---	PASS
11A	5240	Ant2	16.890	---	PASS
11A	5260	Ant1	16.830	---	PASS
11A	5260	Ant2	16.890	---	PASS
11A	5300	Ant1	16.920	---	PASS
11A	5300	Ant2	16.860	---	PASS
11A	5320	Ant1	16.860	---	PASS
11A	5320	Ant2	16.860	---	PASS
11A	5500	Ant1	16.860	---	PASS
11A	5500	Ant2	16.830	---	PASS
11A	5580	Ant1	16.890	---	PASS
11A	5580	Ant2	16.860	---	PASS
11A	5600	Ant1	16.890	---	PASS
11A	5600	Ant2	16.860	---	PASS
11A	5700	Ant1	16.860	---	PASS
11A	5700	Ant2	16.860	---	PASS
11A	5745	Ant1	16.860	---	PASS
11A	5745	Ant2	16.860	---	PASS
11A	5785	Ant1	16.830	---	PASS
11A	5785	Ant2	16.830	---	PASS
11A	5825	Ant1	16.830	---	PASS
11A	5825	Ant2	16.890	---	PASS
11N20	5180	Ant1	17.760	---	PASS
11N20	5180	Ant2	17.730	---	PASS
11N20	5200	Ant1	17.730	---	PASS
11N20	5200	Ant2	17.760	---	PASS
11N20	5240	Ant1	17.790	---	PASS
11N20	5240	Ant2	17.760	---	PASS



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11N20	5260	Ant1	17.730	---	PASS
11N20	5260	Ant2	17.760	---	PASS
11N20	5300	Ant1	17.760	---	PASS
11N20	5300	Ant2	17.760	---	PASS
11N20	5320	Ant1	17.760	---	PASS
11N20	5320	Ant2	17.760	---	PASS
11N20	5500	Ant1	17.730	---	PASS
11N20	5500	Ant2	17.760	---	PASS
11N20	5580	Ant1	17.760	---	PASS
11N20	5580	Ant2	17.790	---	PASS
11N20	5600	Ant1	17.790	---	PASS
11N20	5600	Ant2	17.760	---	PASS
11N20	5700	Ant1	17.790	---	PASS
11N20	5700	Ant2	17.790	---	PASS
11N20	5745	Ant1	17.730	---	PASS
11N20	5745	Ant2	17.760	---	PASS
11N20	5785	Ant1	17.730	---	PASS
11N20	5785	Ant2	17.760	---	PASS
11N20	5825	Ant1	17.760	---	PASS
11N20	5825	Ant2	17.760	---	PASS
11N40	5190	Ant1	36.240	---	PASS
11N40	5190	Ant2	36.300	---	PASS
11N40	5230	Ant1	36.300	---	PASS
11N40	5230	Ant2	36.300	---	PASS
11N40	5270	Ant1	36.240	---	PASS
11N40	5270	Ant2	36.240	---	PASS
11N40	5310	Ant1	36.300	---	PASS
11N40	5310	Ant2	36.240	---	PASS
11N40	5510	Ant1	36.300	---	PASS
11N40	5510	Ant2	36.240	---	PASS
11N40	5550	Ant1	36.300	---	PASS
11N40	5550	Ant2	36.300	---	PASS
11N40	5590	Ant1	36.300	---	PASS
11N40	5590	Ant2	36.300	---	PASS

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11N40	5670	Ant1	36.300	---	PASS
11N40	5670	Ant2	36.240	---	PASS
11N40	5755	Ant1	36.240	---	PASS
11N40	5755	Ant2	36.240	---	PASS
11N40	5795	Ant1	36.300	---	PASS
11N40	5795	Ant2	36.300	---	PASS
11AC20	5180	Ant1	17.760	---	PASS
11AC20	5180	Ant2	17.790	---	PASS
11AC20	5200	Ant1	17.760	---	PASS
11AC20	5200	Ant2	17.760	---	PASS
11AC20	5240	Ant1	17.760	---	PASS
11AC20	5240	Ant2	17.760	---	PASS
11AC20	5260	Ant1	17.790	---	PASS
11AC20	5260	Ant2	17.790	---	PASS
11AC20	5300	Ant1	17.790	---	PASS
11AC20	5300	Ant2	17.790	---	PASS
11AC20	5320	Ant1	17.790	---	PASS
11AC20	5320	Ant2	17.790	---	PASS
11AC20	5500	Ant1	17.790	---	PASS
11AC20	5500	Ant2	17.790	---	PASS
11AC20	5580	Ant1	17.850	---	PASS
11AC20	5580	Ant2	17.790	---	PASS
11AC20	5600	Ant1	17.820	---	PASS
11AC20	5600	Ant2	17.850	---	PASS
11AC20	5700	Ant1	17.820	---	PASS
11AC20	5700	Ant2	17.820	---	PASS
11AC20	5745	Ant1	17.790	---	PASS
11AC20	5745	Ant2	17.790	---	PASS
11AC20	5785	Ant1	17.820	---	PASS
11AC20	5785	Ant2	17.820	---	PASS
11AC20	5825	Ant1	17.850	---	PASS
11AC20	5825	Ant2	17.820	---	PASS
11AC40	5190	Ant1	36.420	---	PASS
11AC40	5190	Ant2	36.360	---	PASS

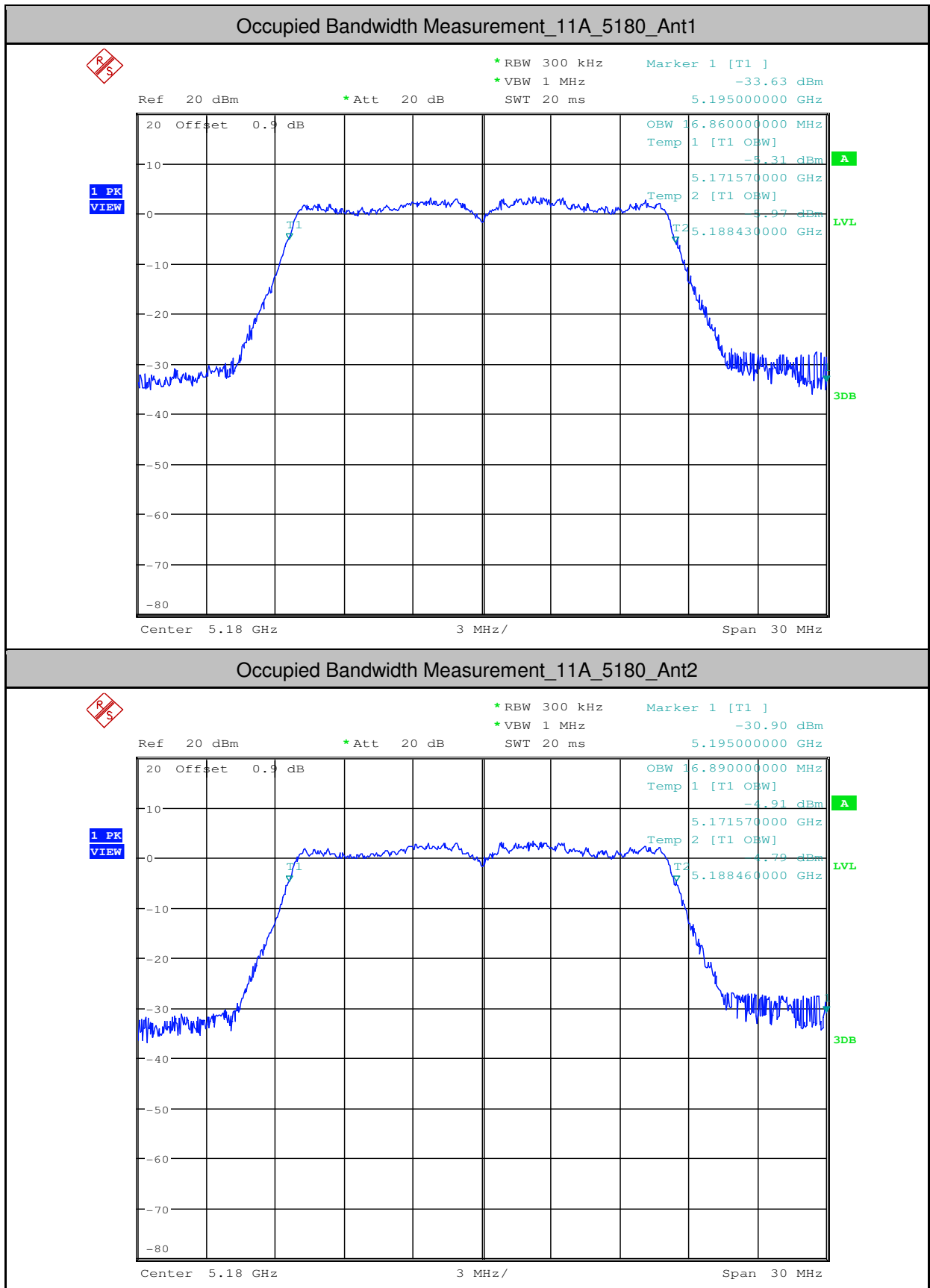


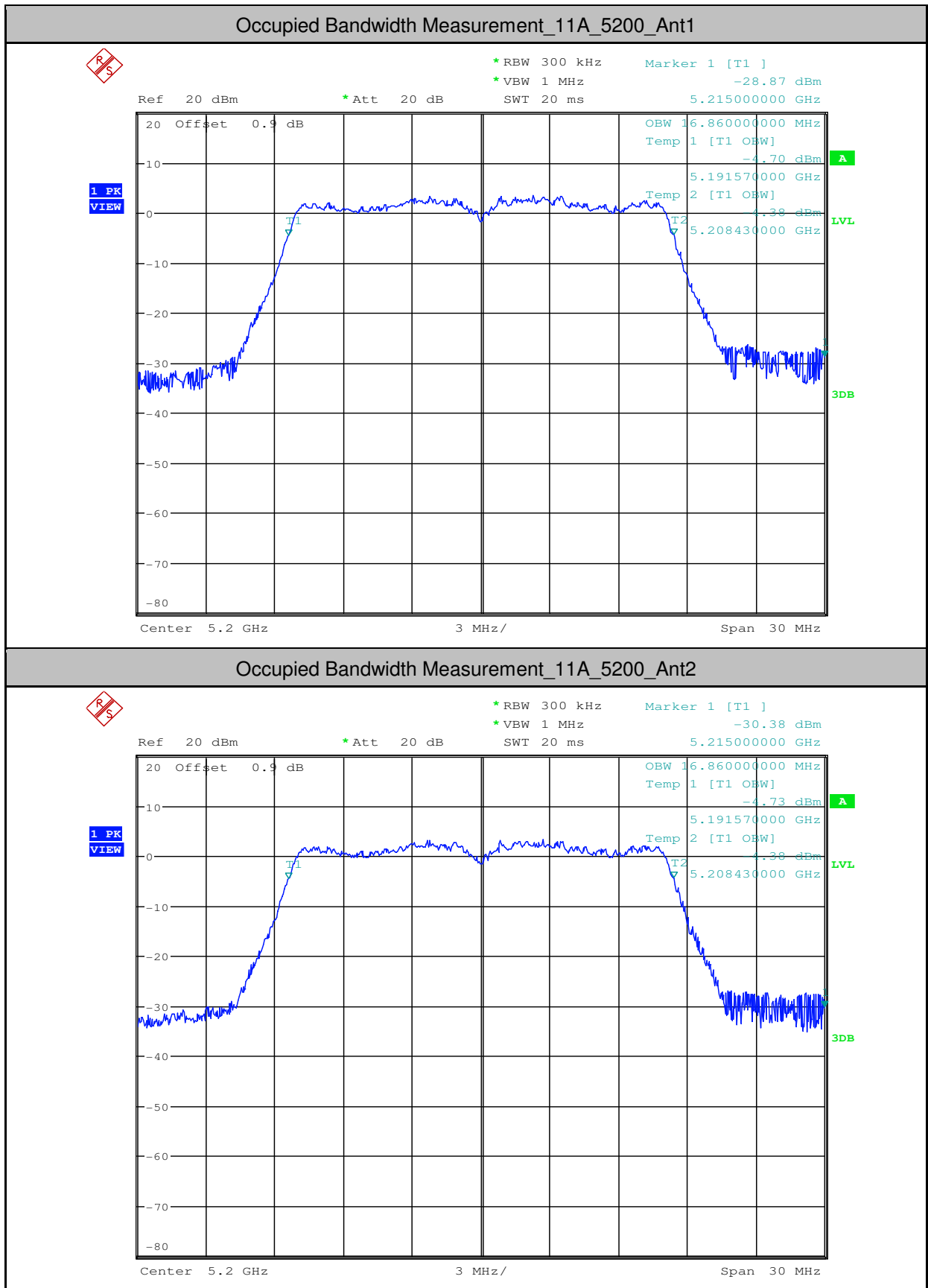
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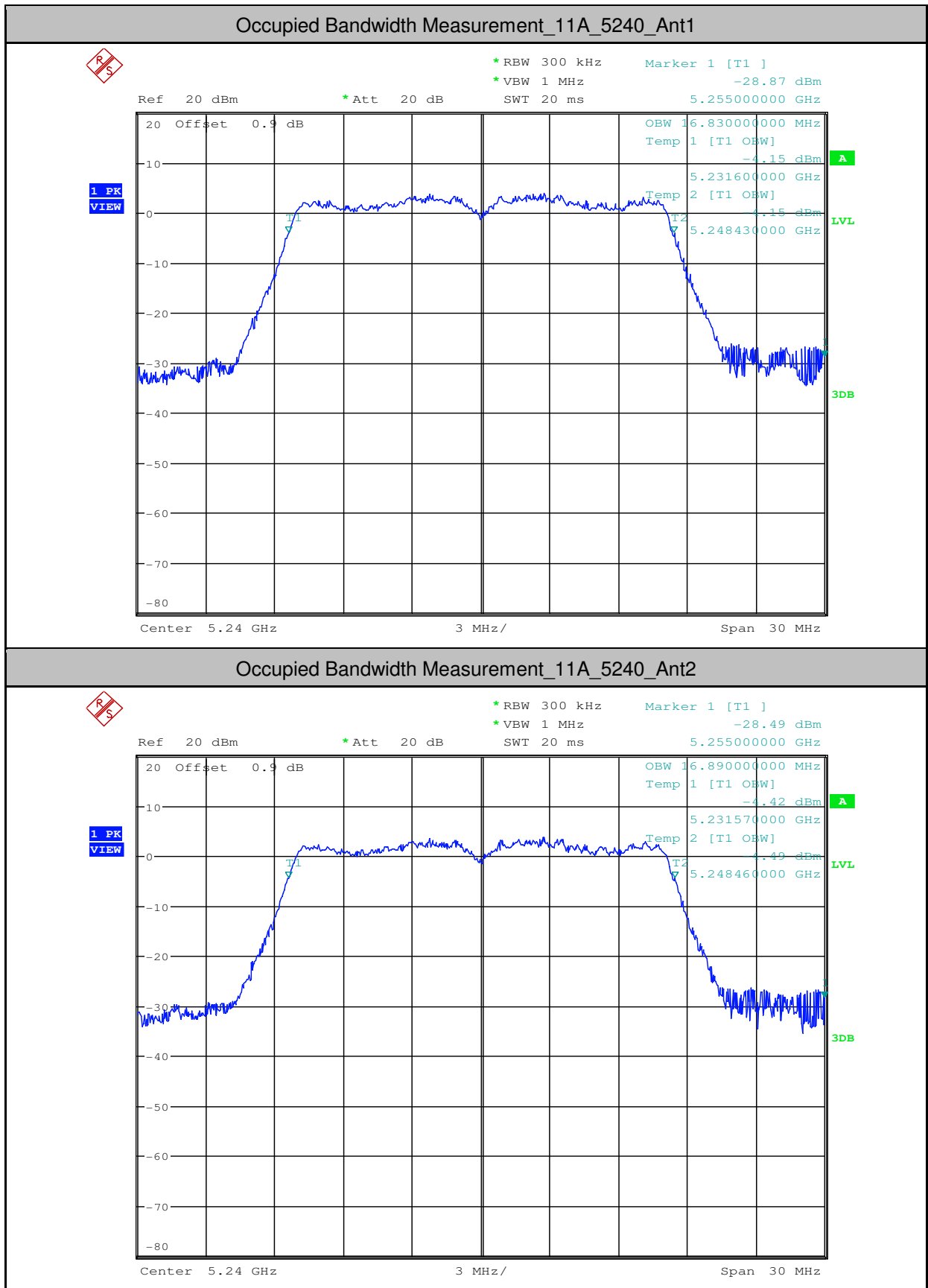
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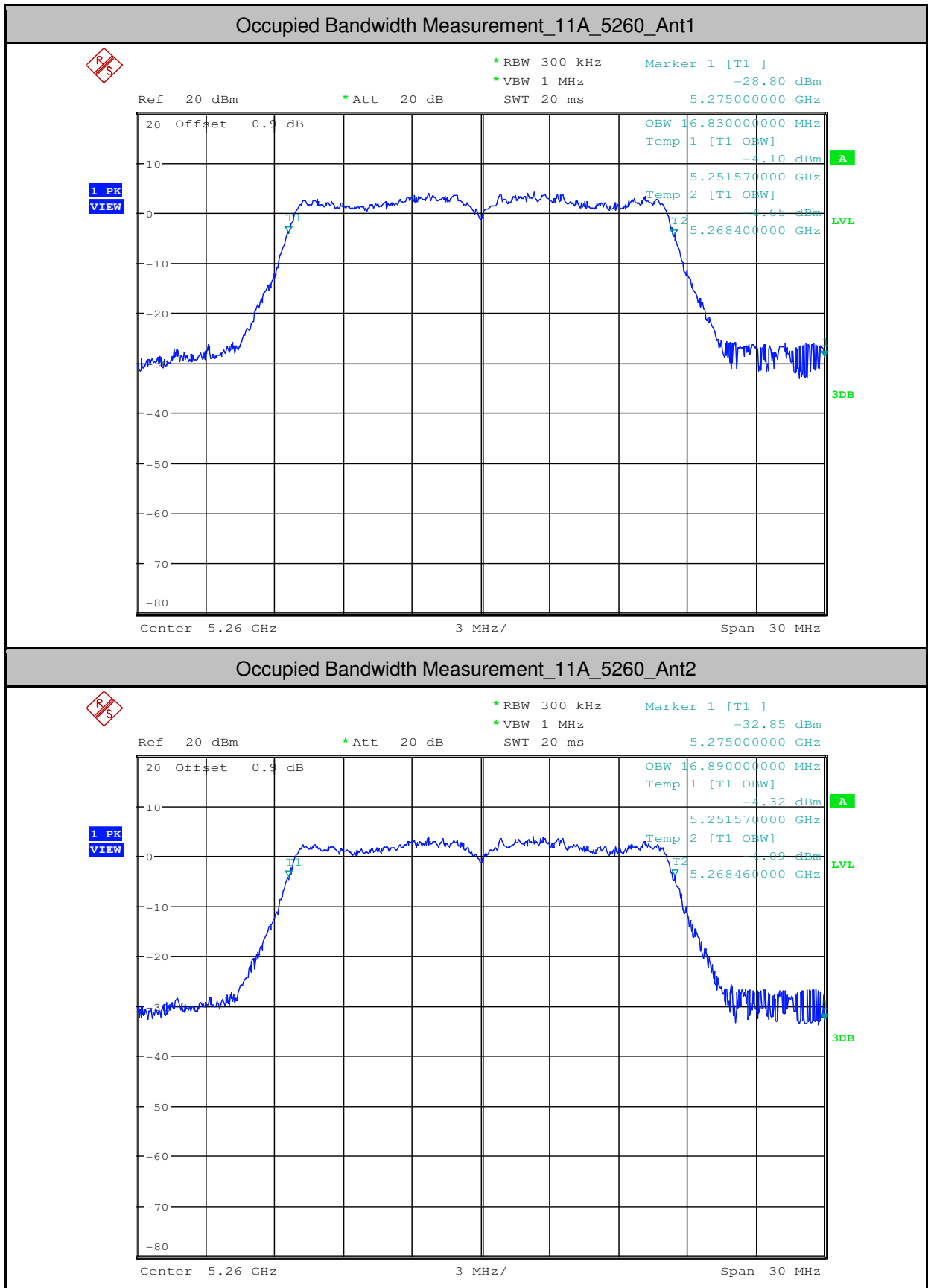
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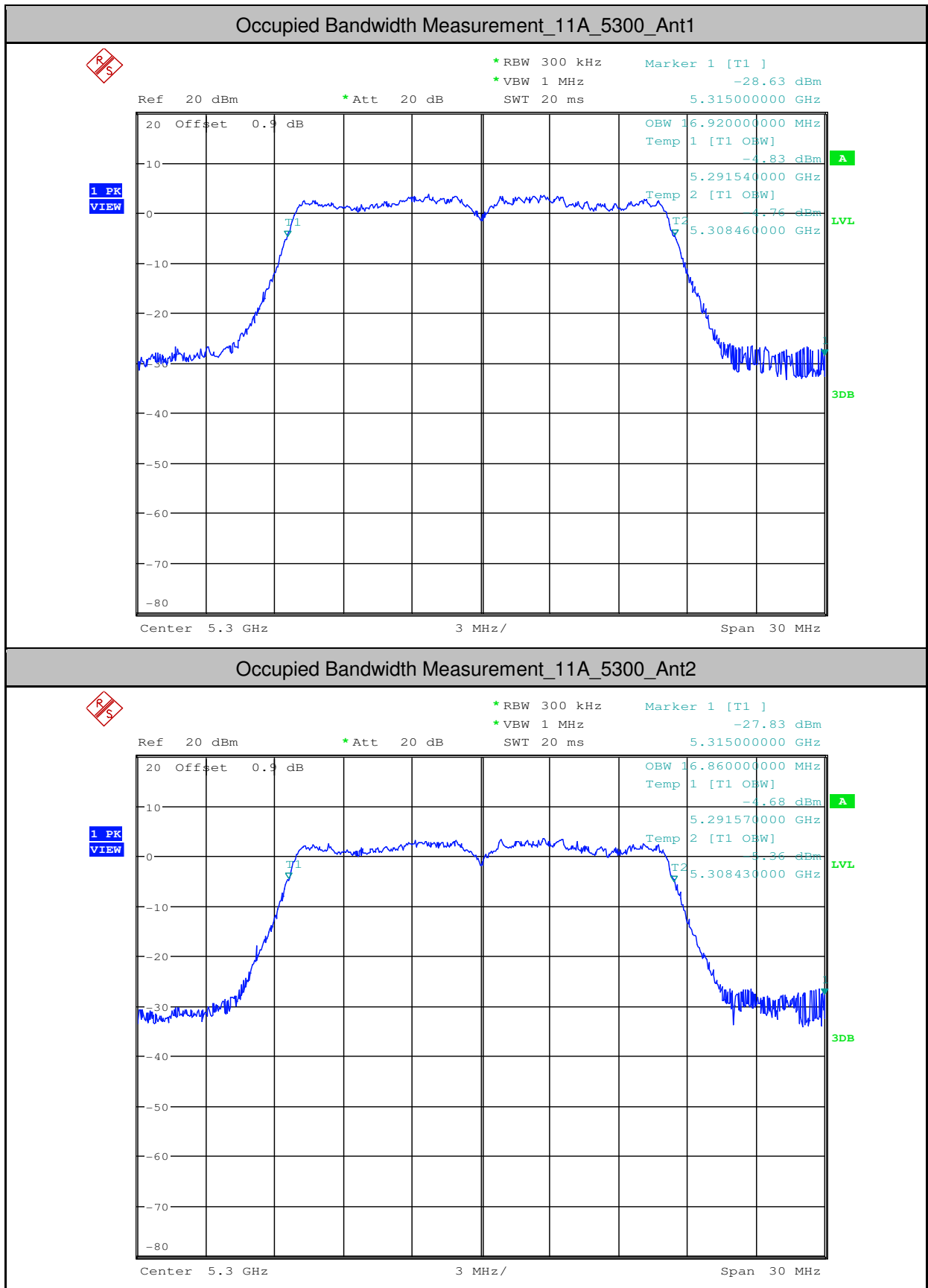
11AC40	5230	Ant1	36.480	---	PASS
11AC40	5230	Ant2	36.300	---	PASS
11AC40	5270	Ant1	36.420	---	PASS
11AC40	5270	Ant2	36.300	---	PASS
11AC40	5310	Ant1	36.420	---	PASS
11AC40	5310	Ant2	36.420	---	PASS
11AC40	5510	Ant1	36.420	---	PASS
11AC40	5510	Ant2	36.360	---	PASS
11AC40	5550	Ant1	36.420	---	PASS
11AC40	5550	Ant2	36.360	---	PASS
11AC40	5590	Ant1	36.420	---	PASS
11AC40	5590	Ant2	36.360	---	PASS
11AC40	5670	Ant1	36.420	---	PASS
11AC40	5670	Ant2	36.360	---	PASS
11AC40	5755	Ant1	36.420	---	PASS
11AC40	5755	Ant2	36.360	---	PASS
11AC40	5795	Ant1	36.360	---	PASS
11AC40	5795	Ant2	36.300	---	PASS
11AC80	5210	Ant1	76.560	---	PASS
11AC80	5210	Ant2	76.320	---	PASS
11AC80	5290	Ant1	76.320	---	PASS
11AC80	5290	Ant2	76.440	---	PASS
11AC80	5530	Ant1	76.440	---	PASS
11AC80	5530	Ant2	76.560	---	PASS
11AC80	5610	Ant1	76.320	---	PASS
11AC80	5610	Ant2	76.920	---	PASS
11AC80	5775	Ant1	76.440	---	PASS
11AC80	5775	Ant2	76.320	---	PASS

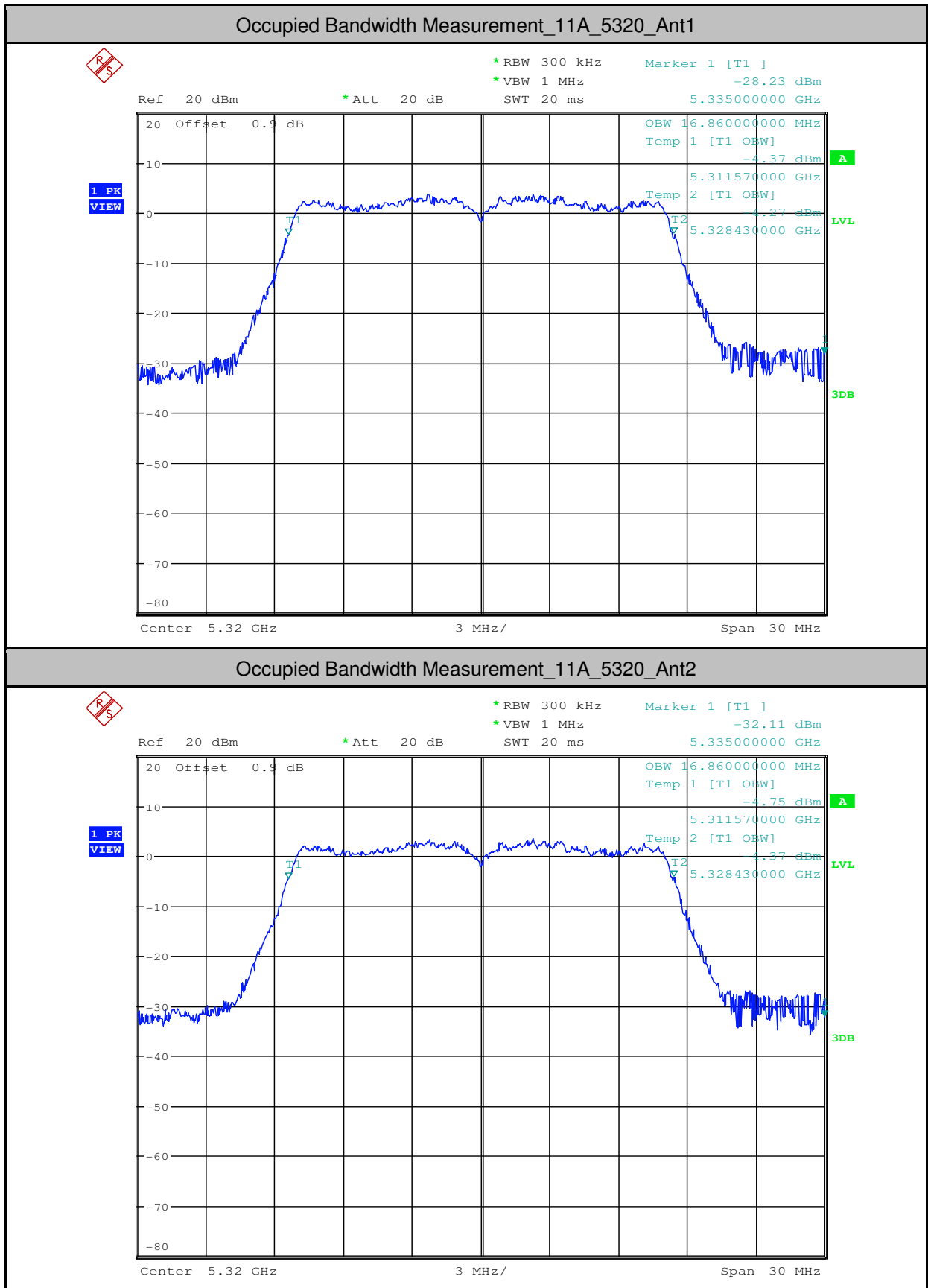


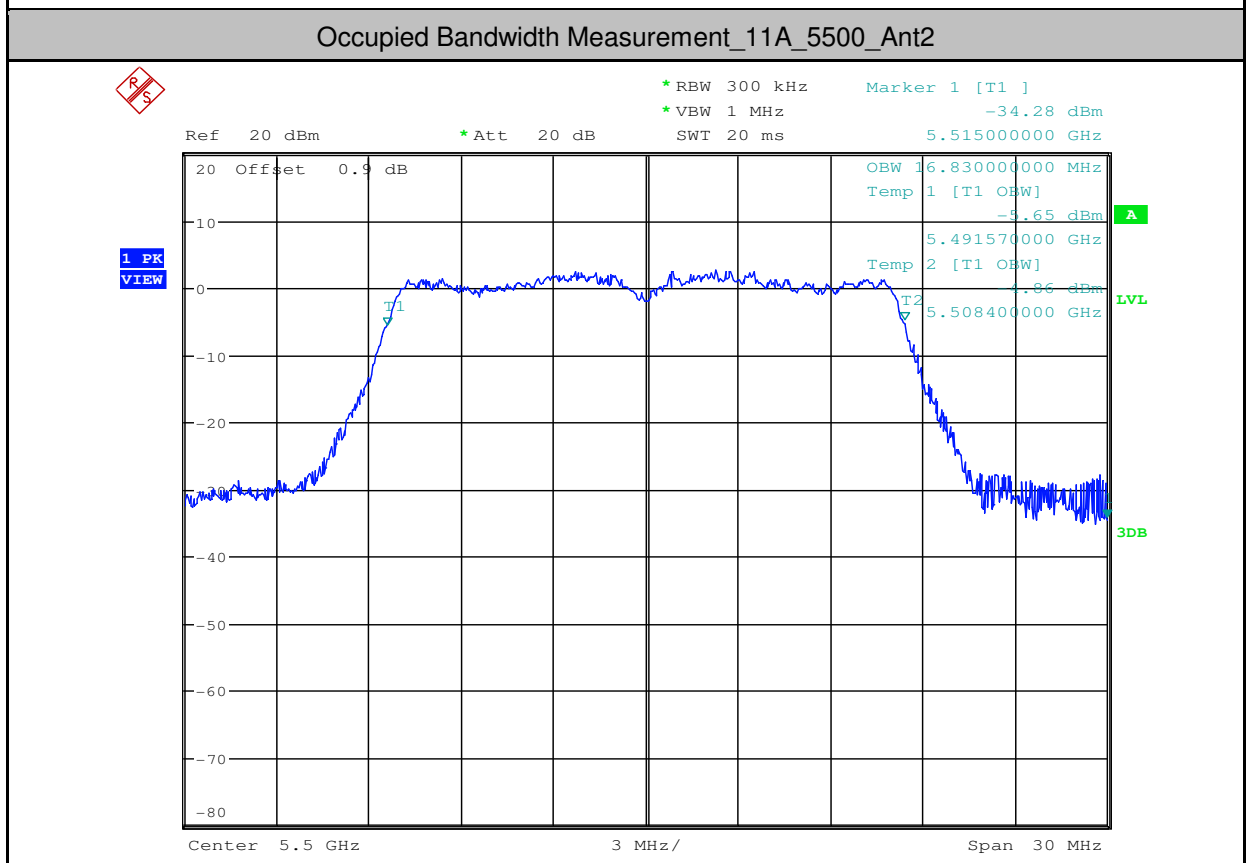
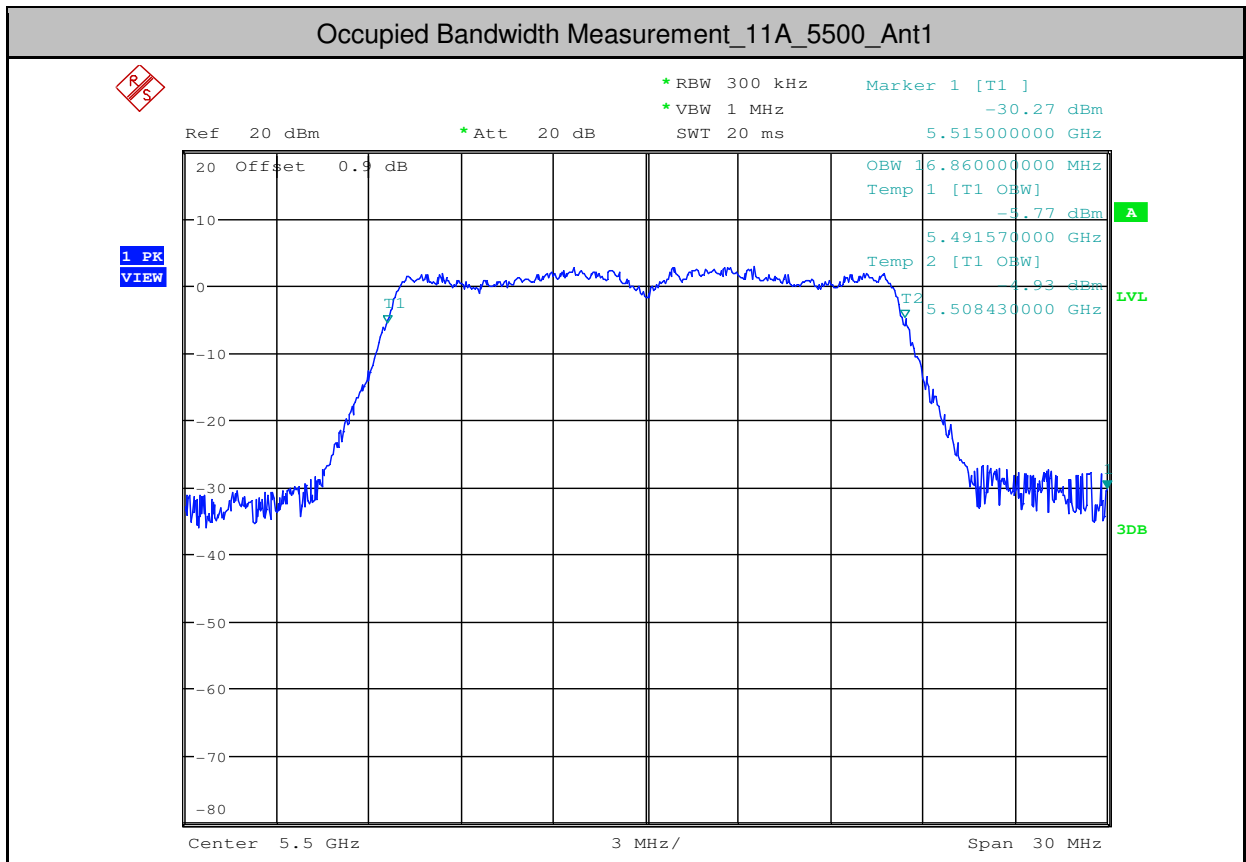


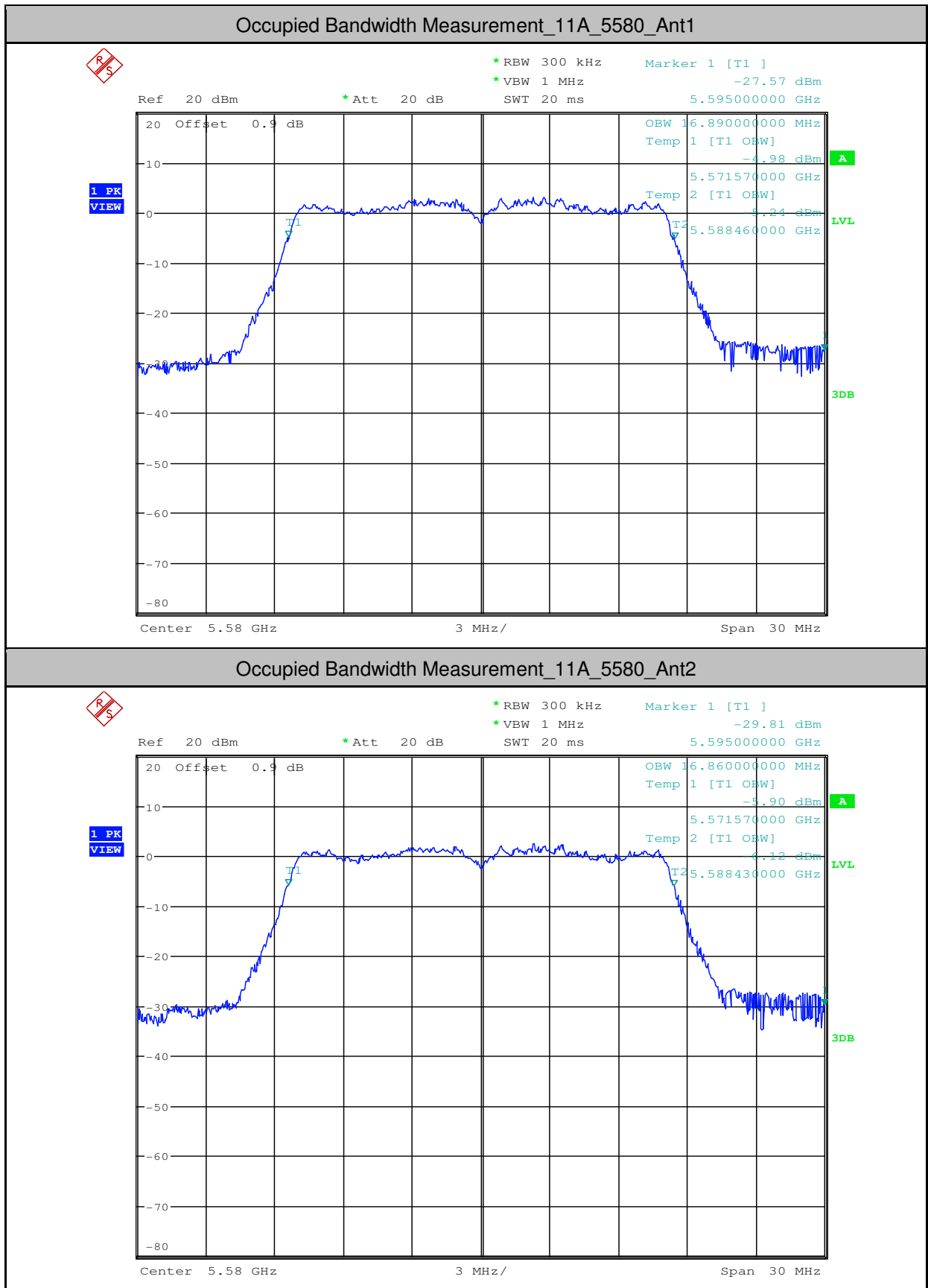


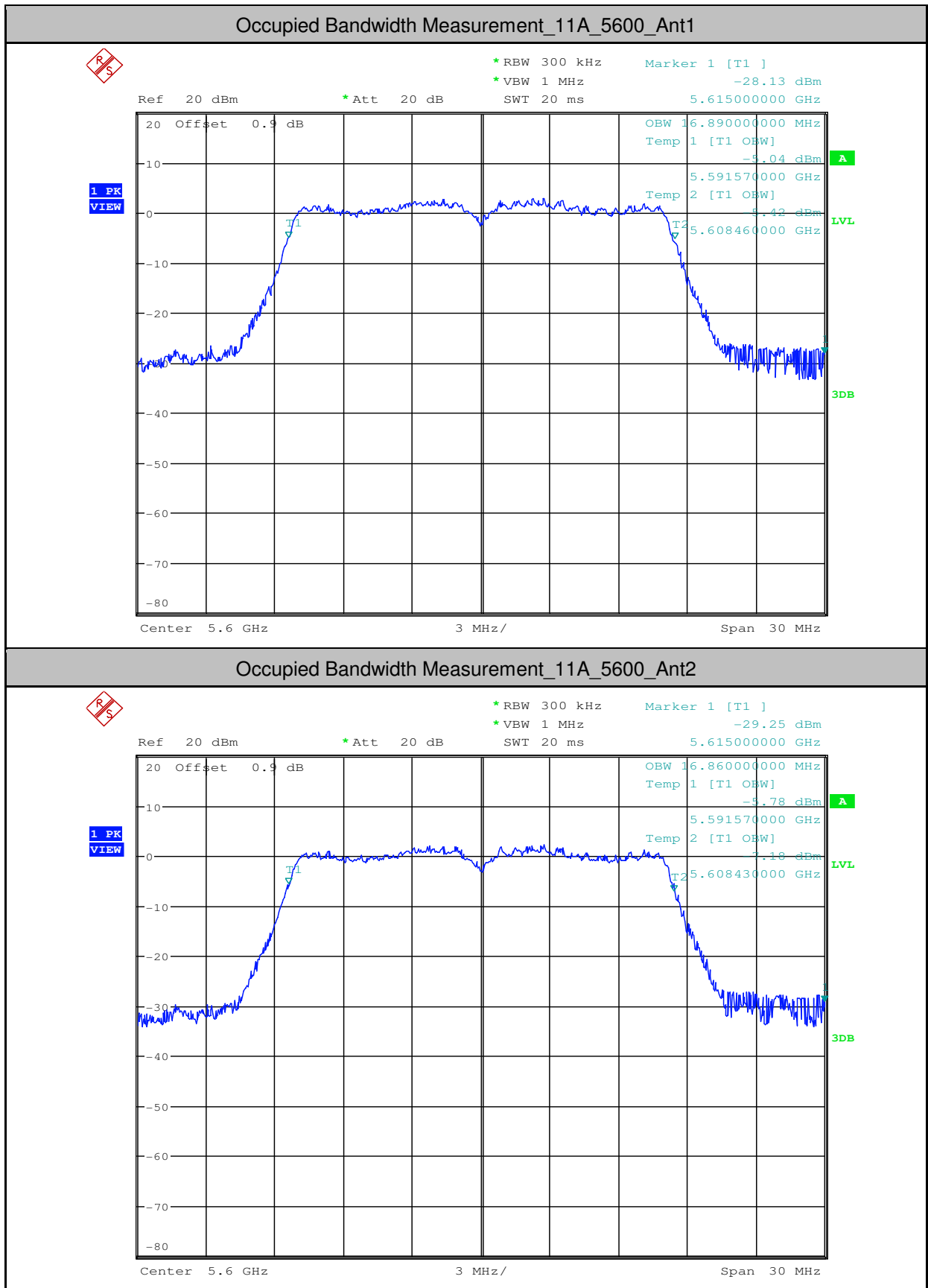


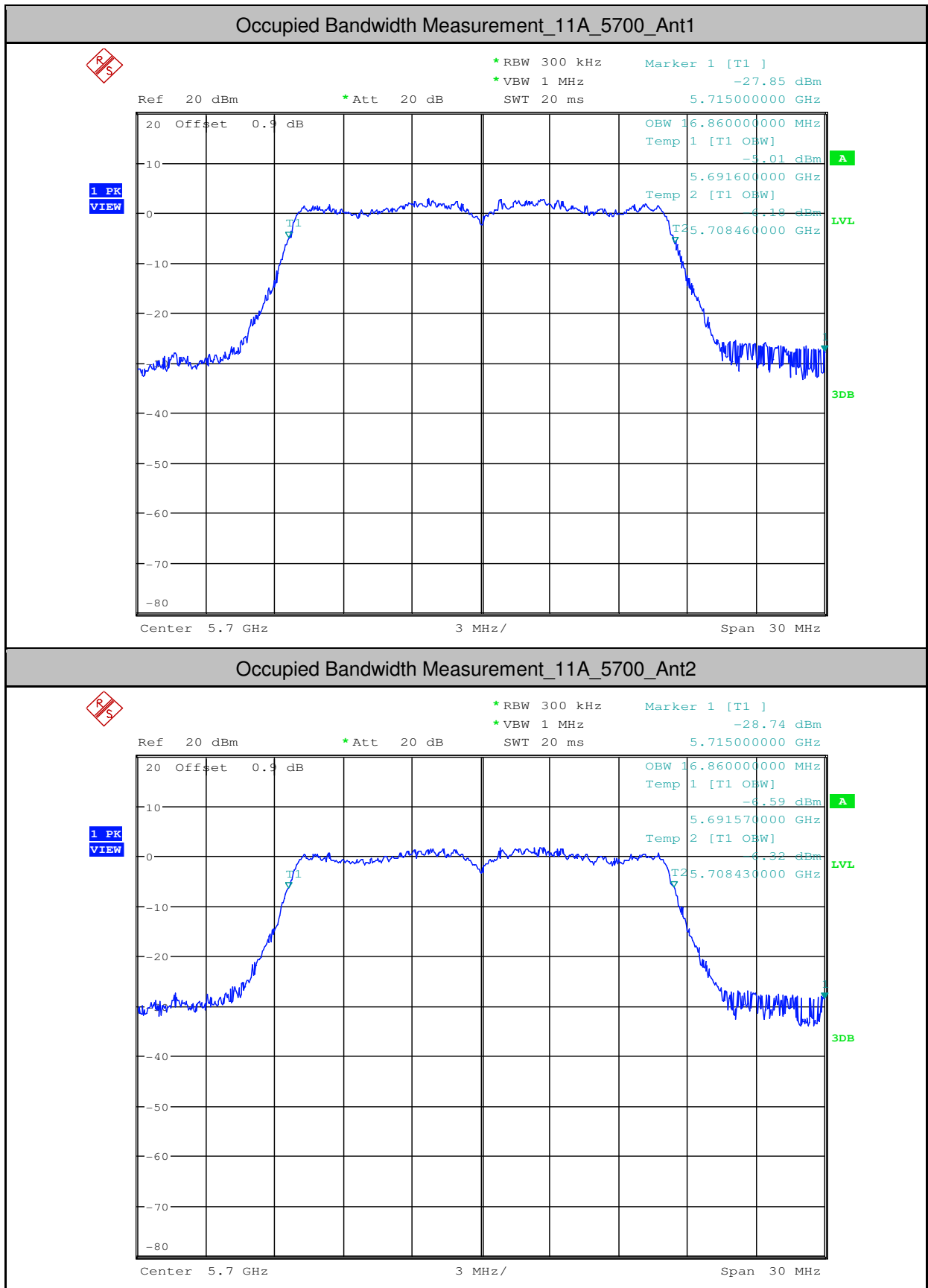




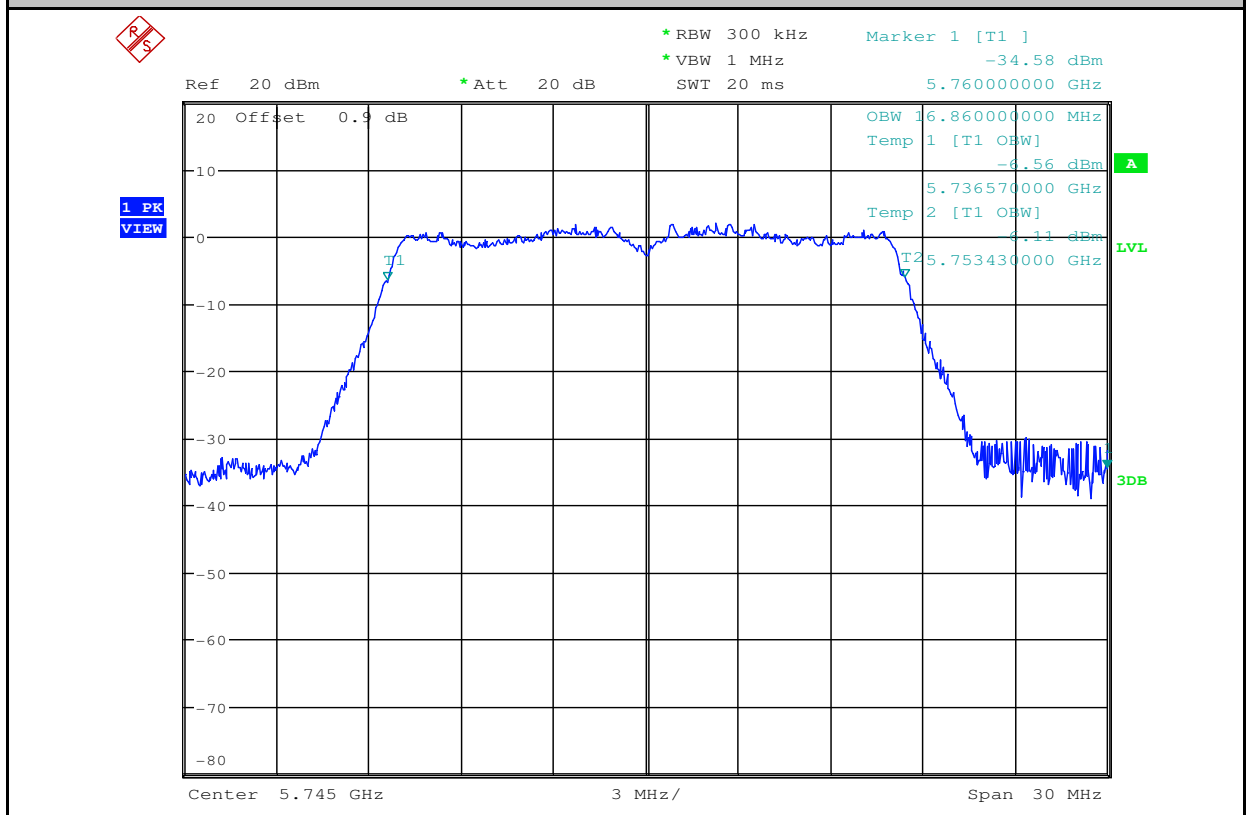




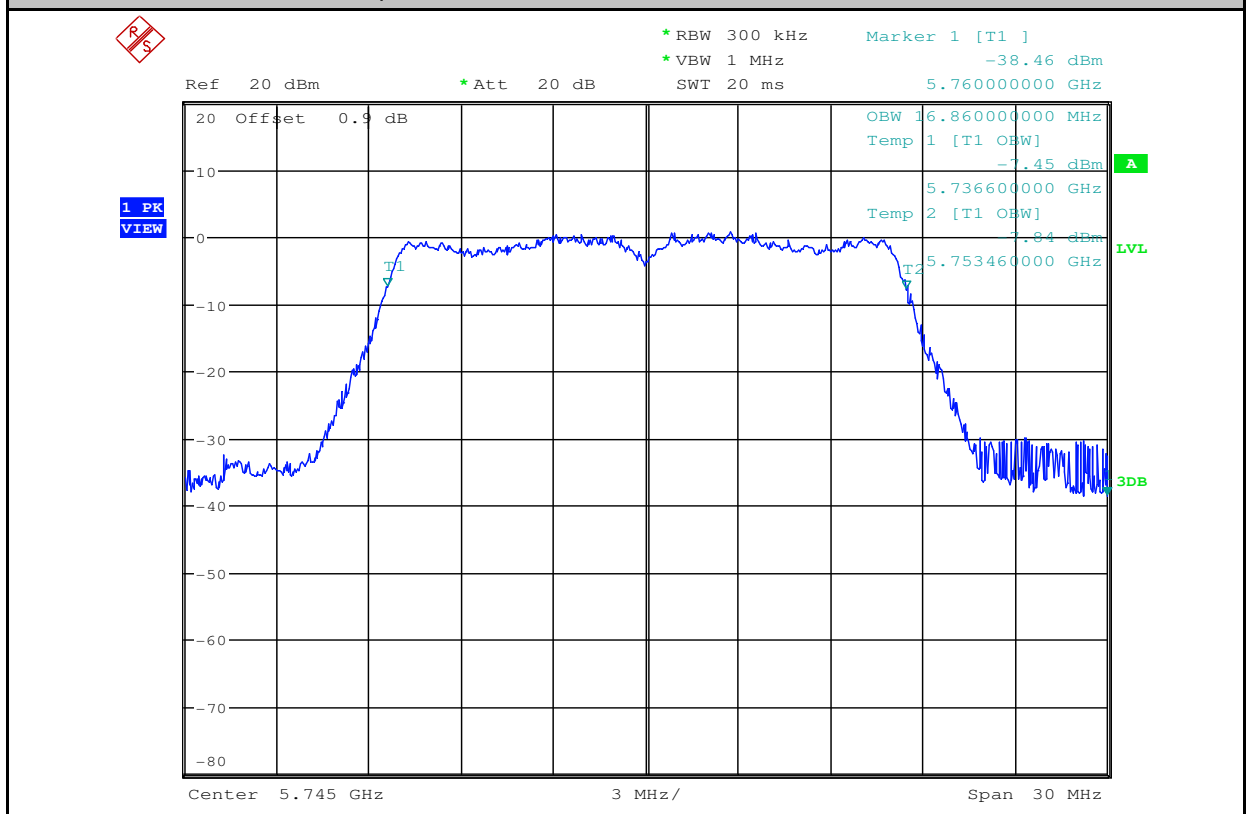


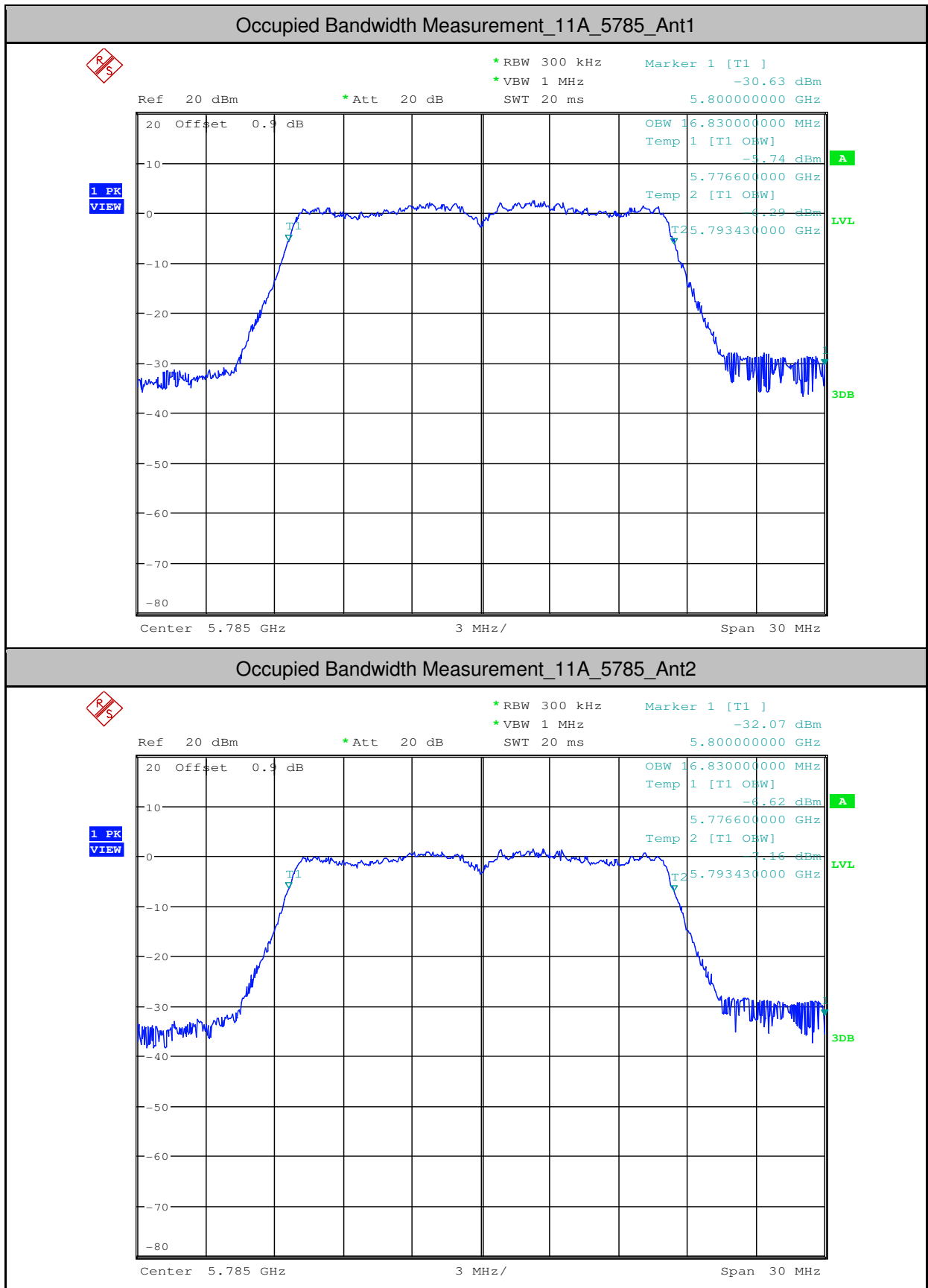


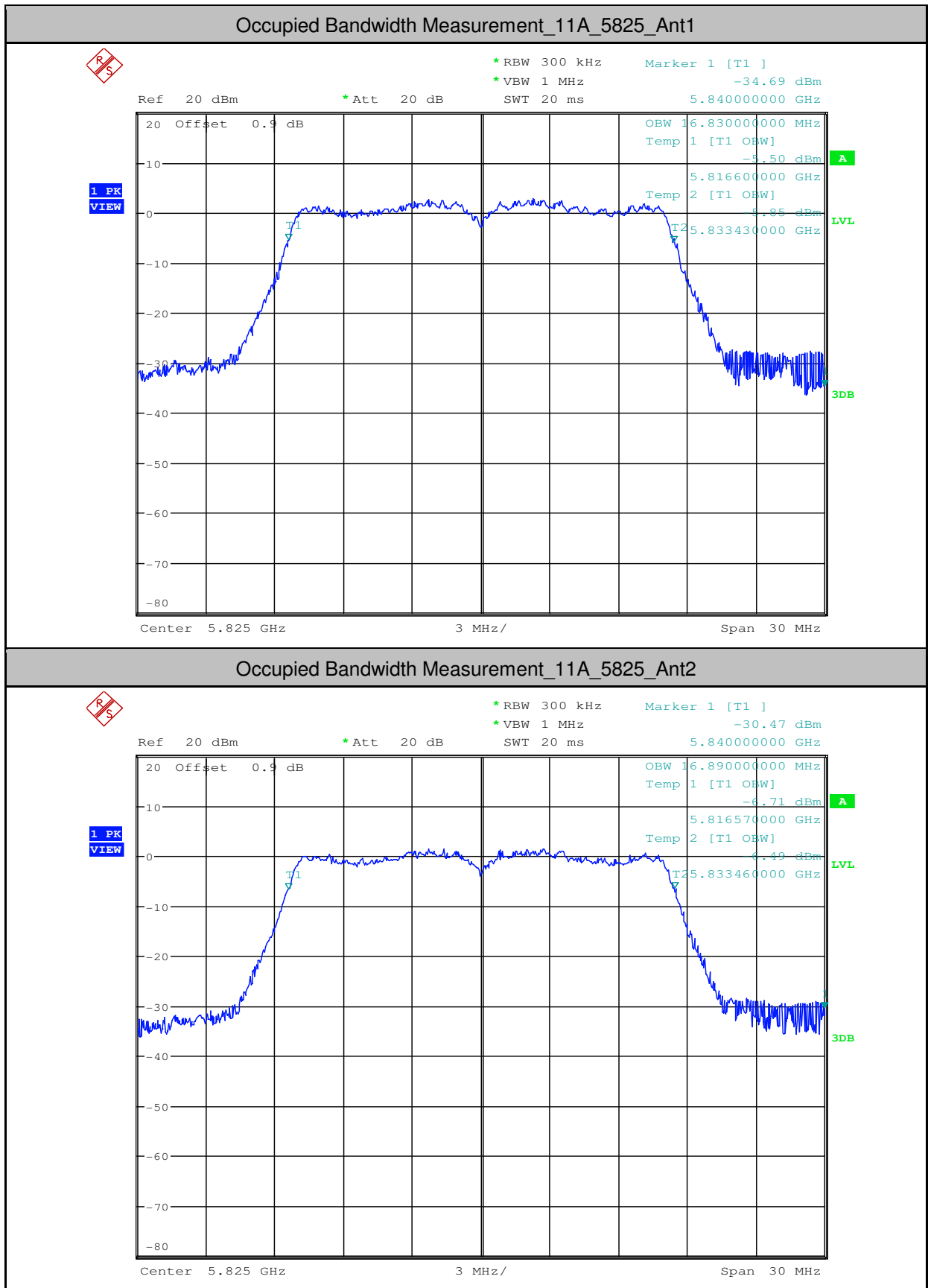
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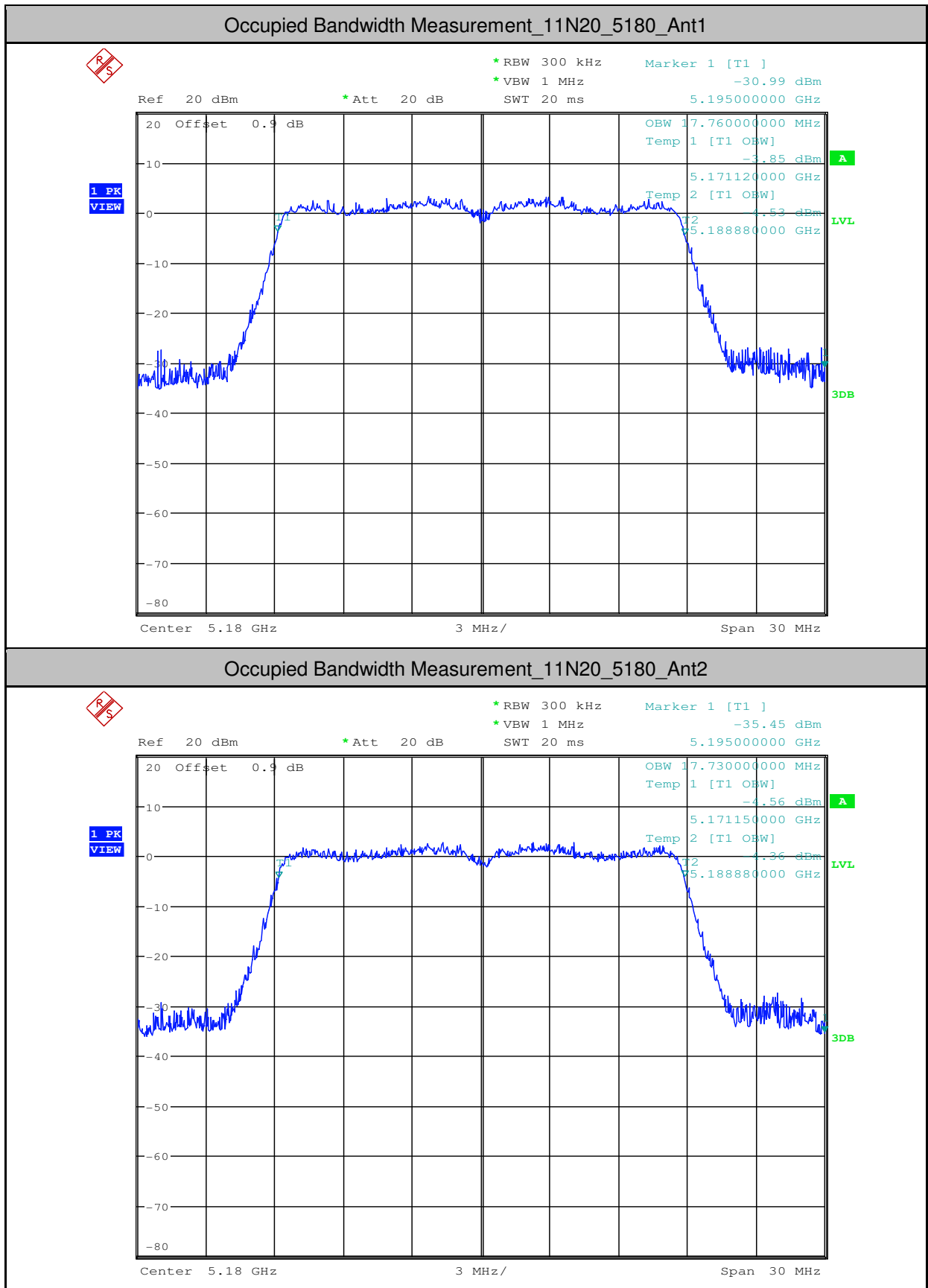


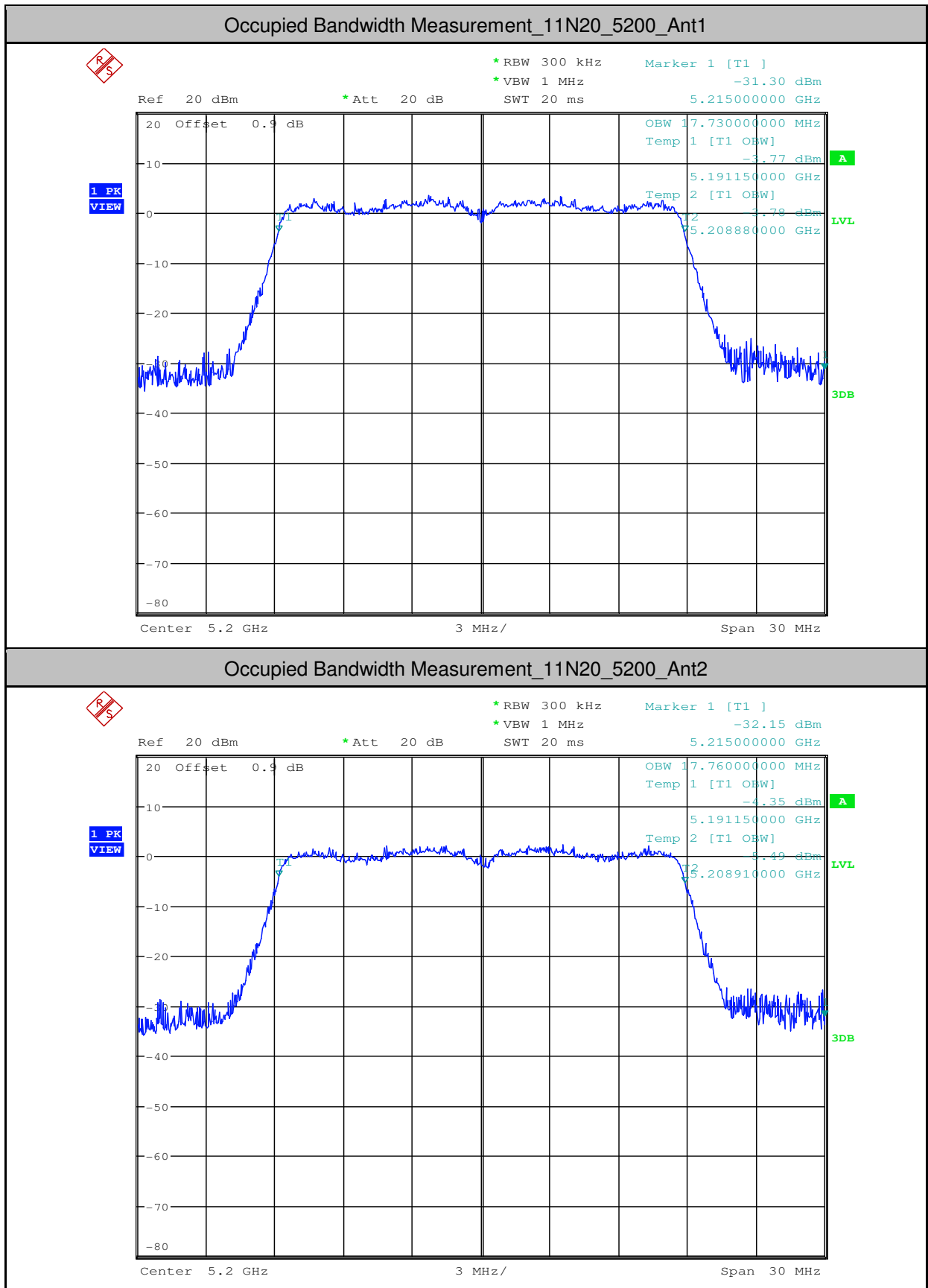
Occupied Bandwidth Measurement_11A_5745_Ant2

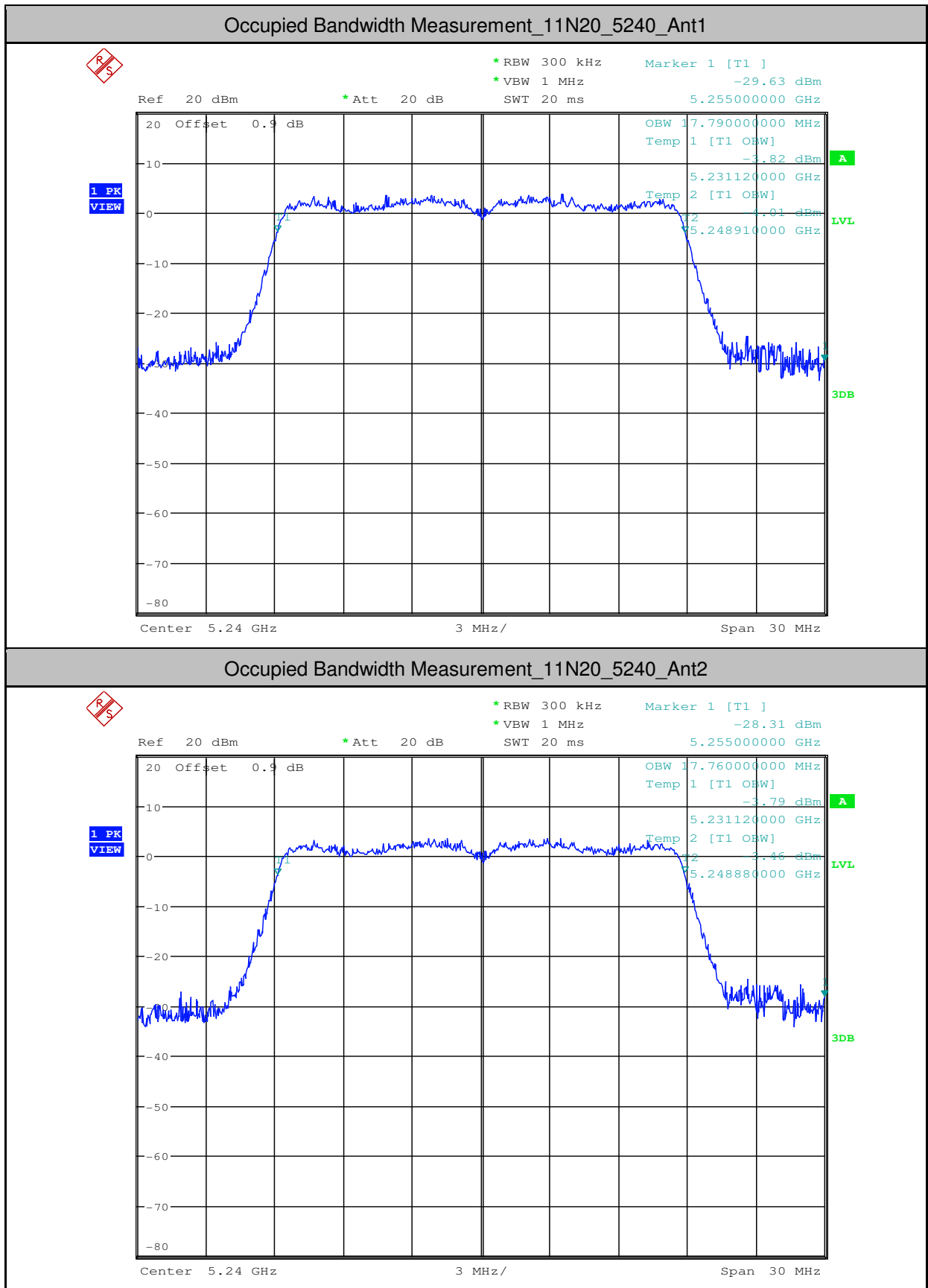


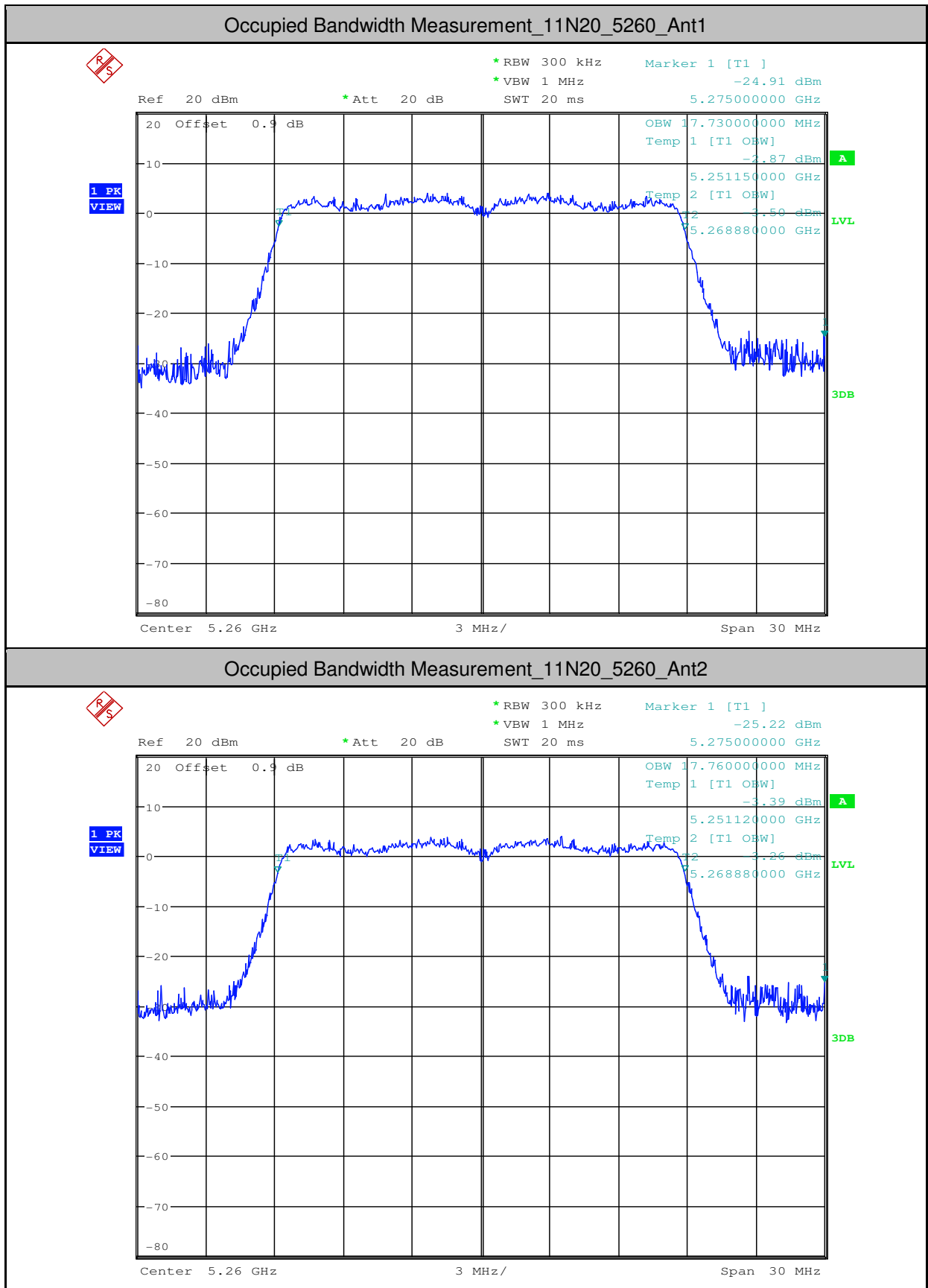


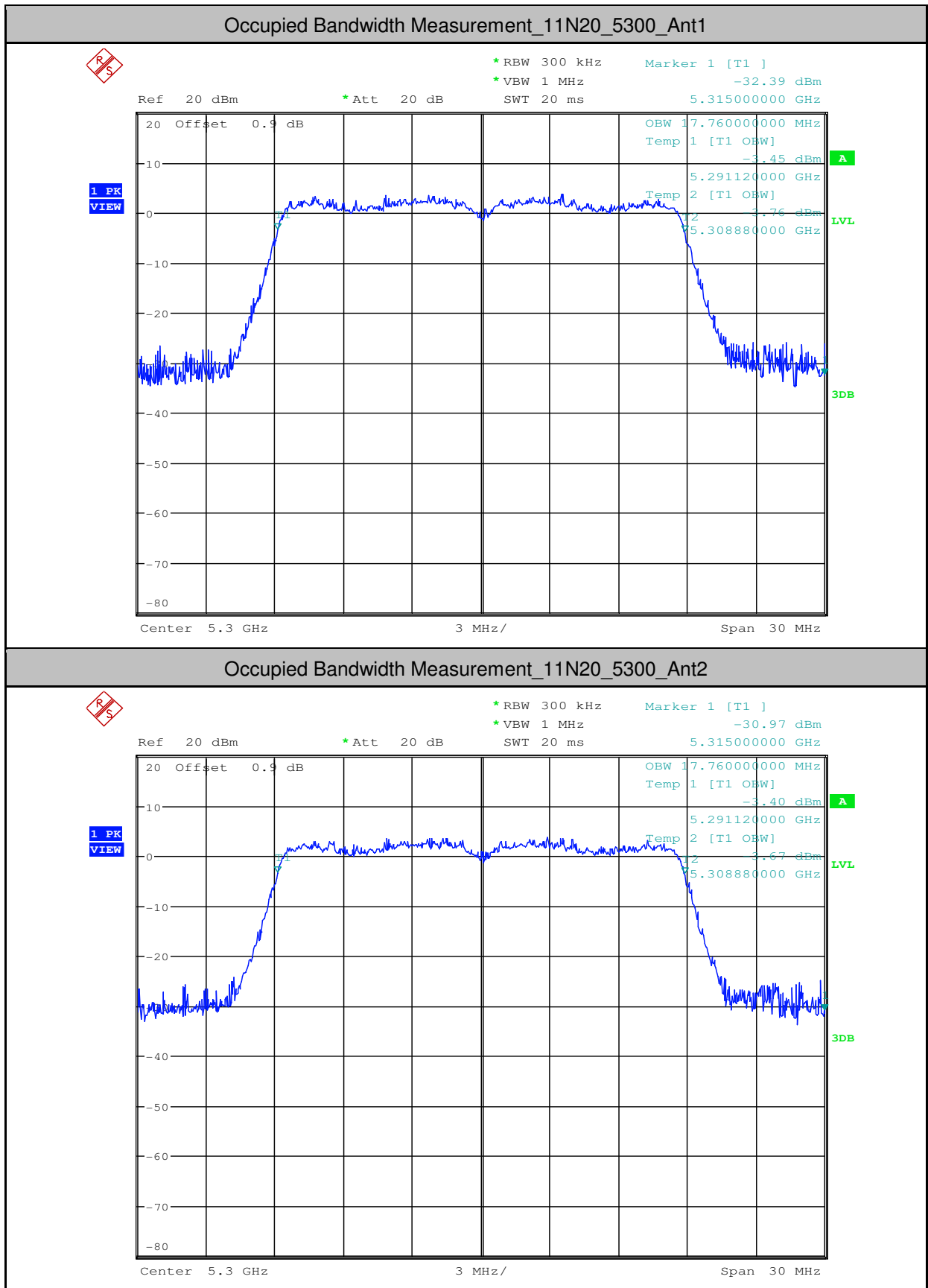


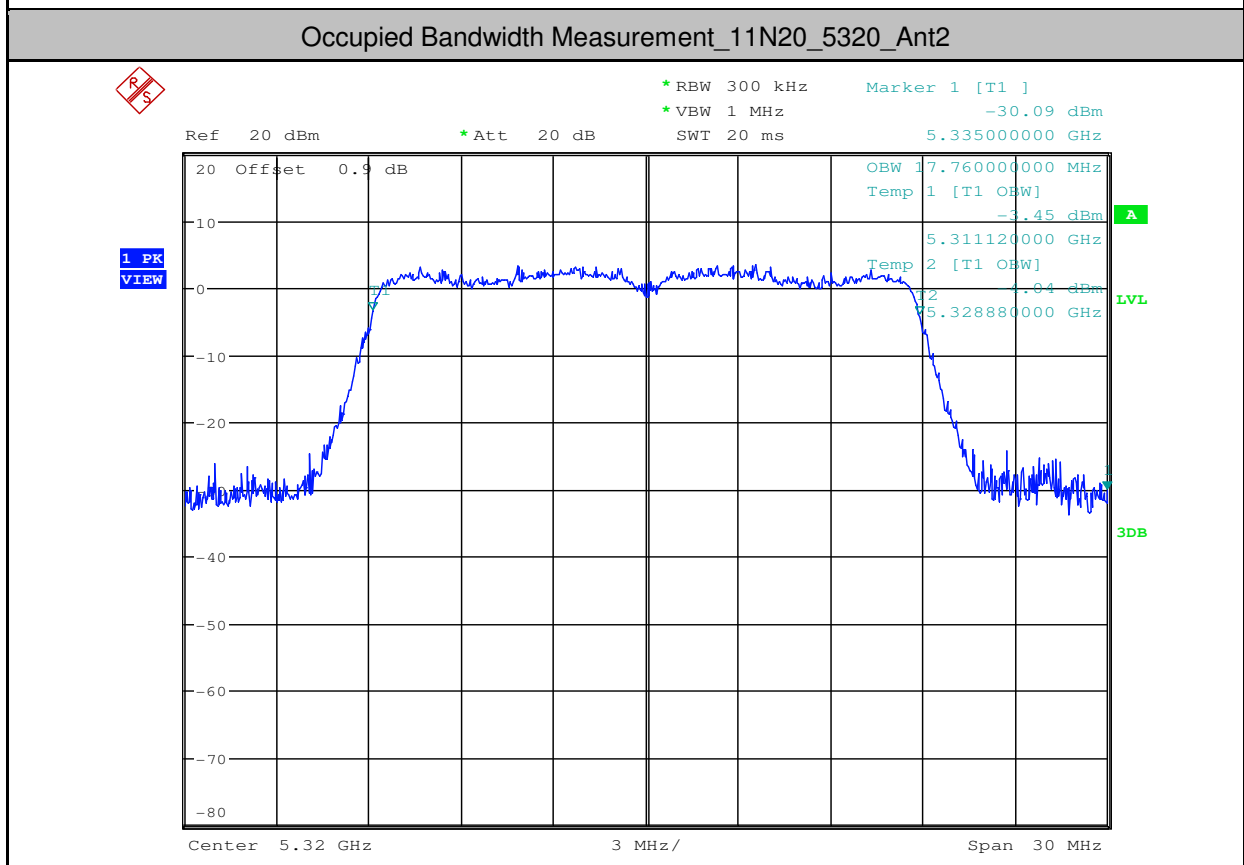
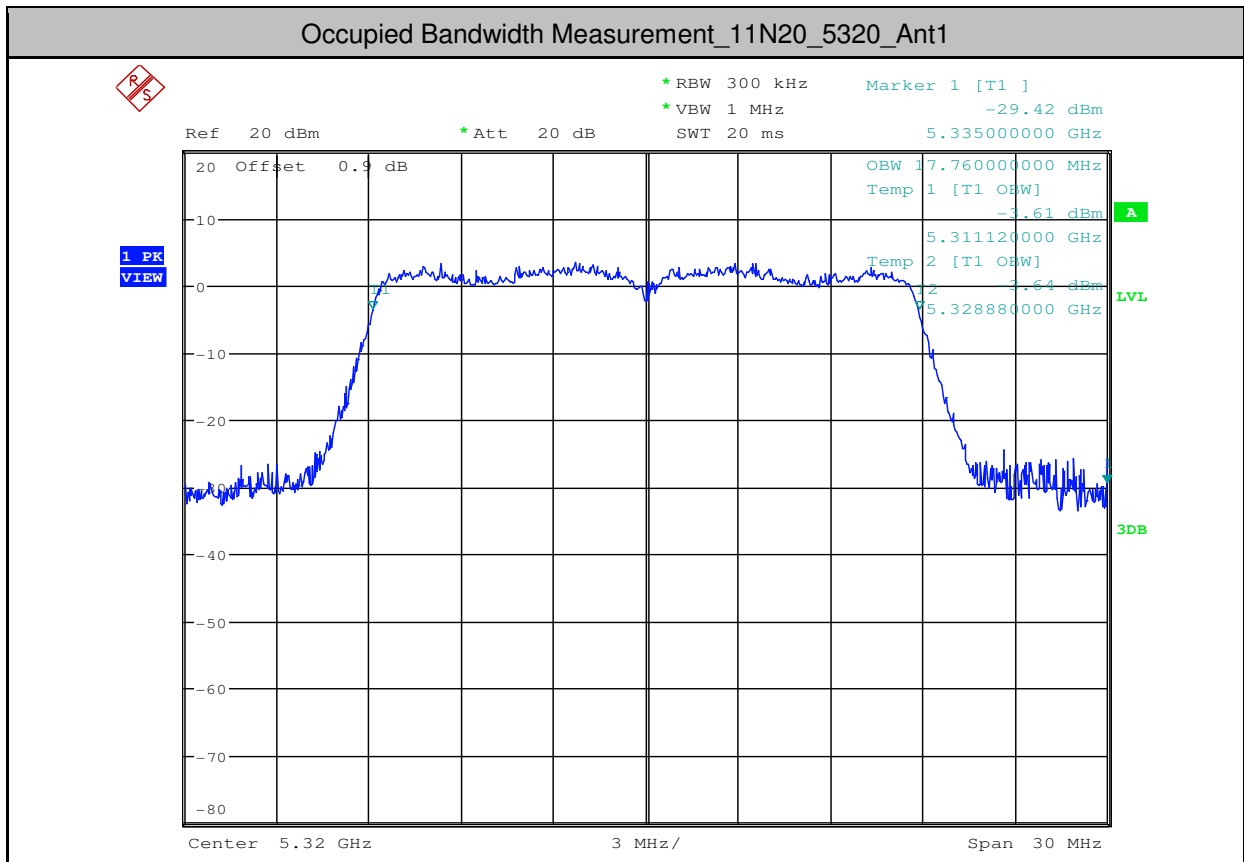


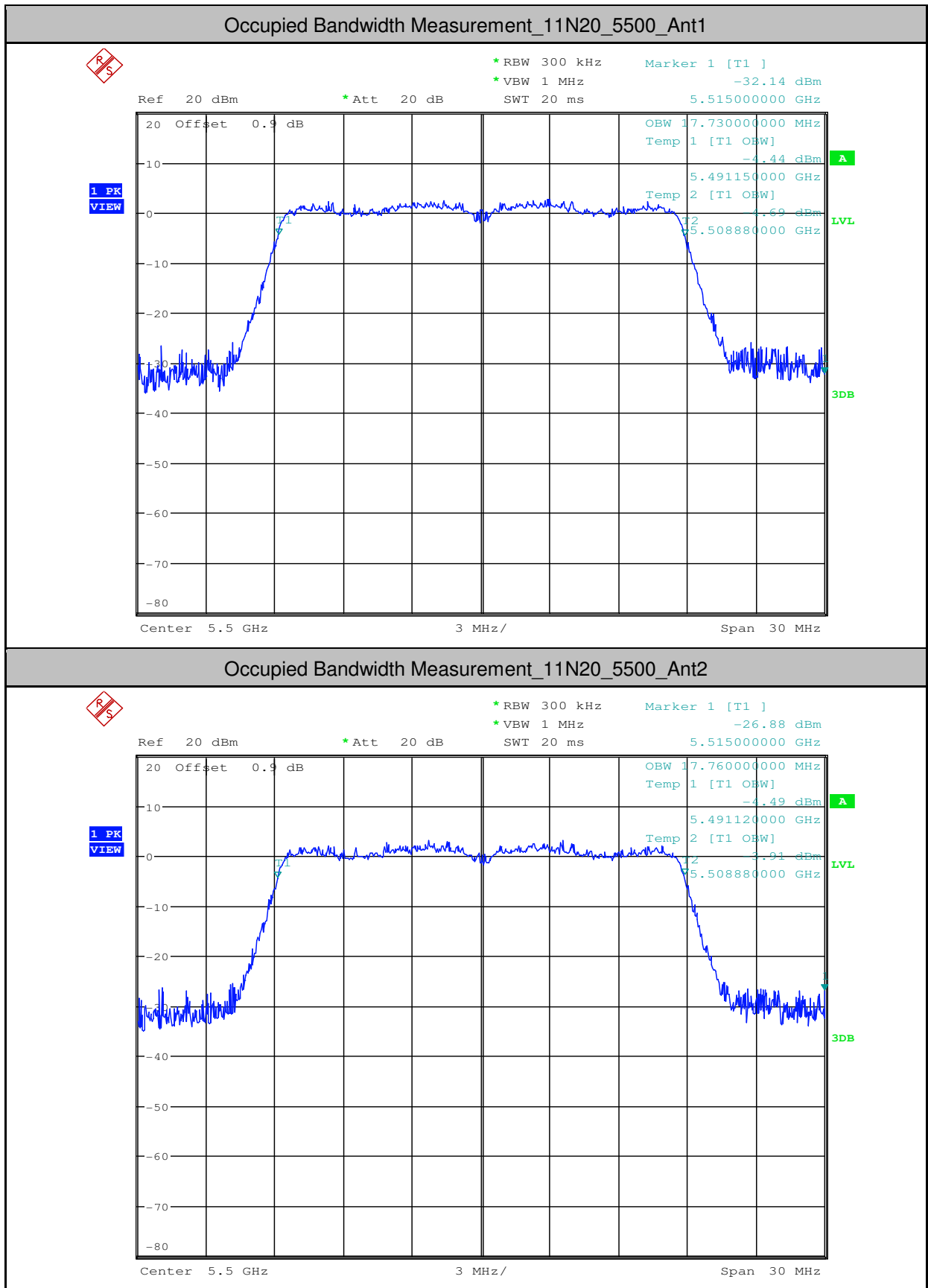


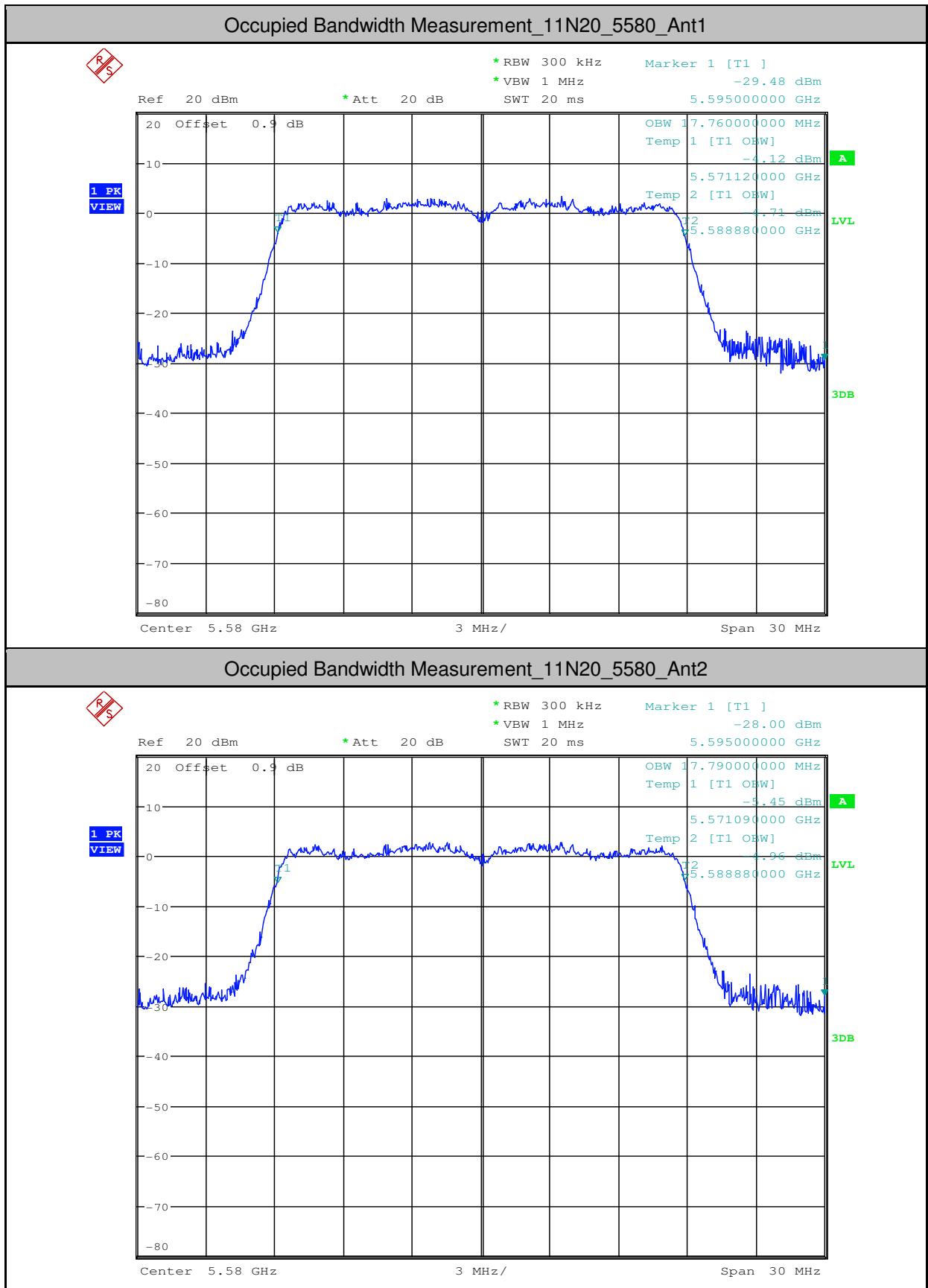


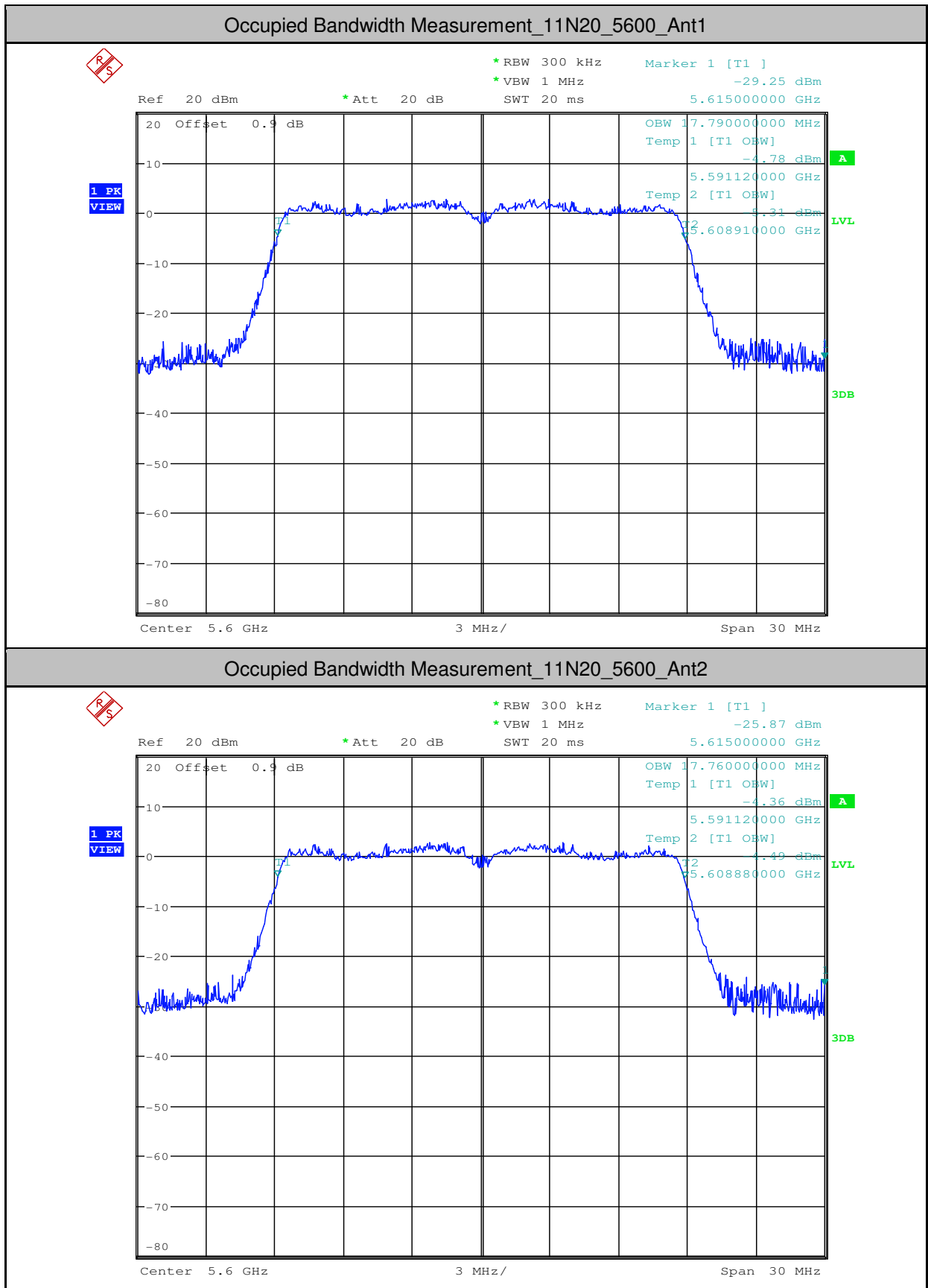


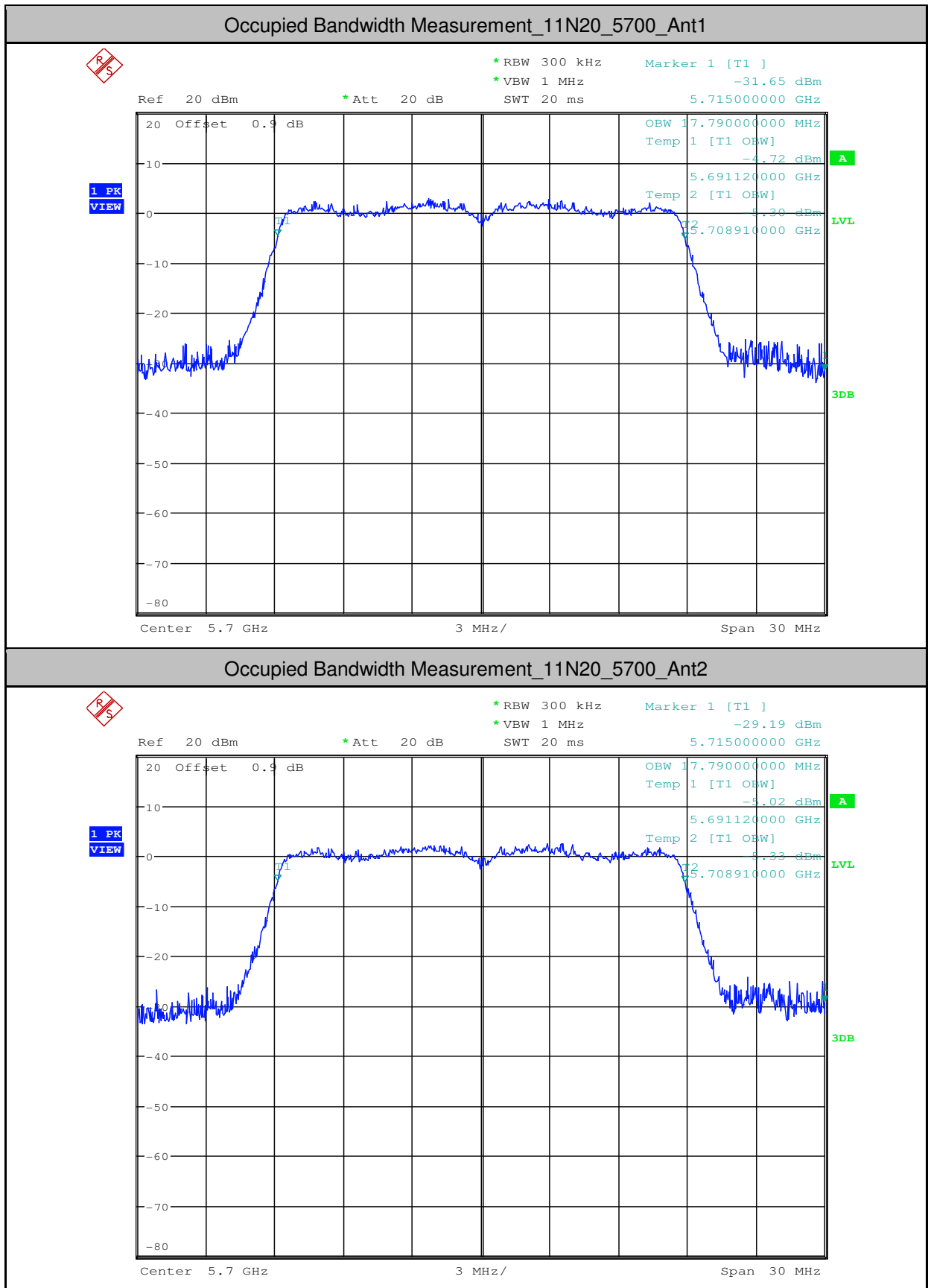


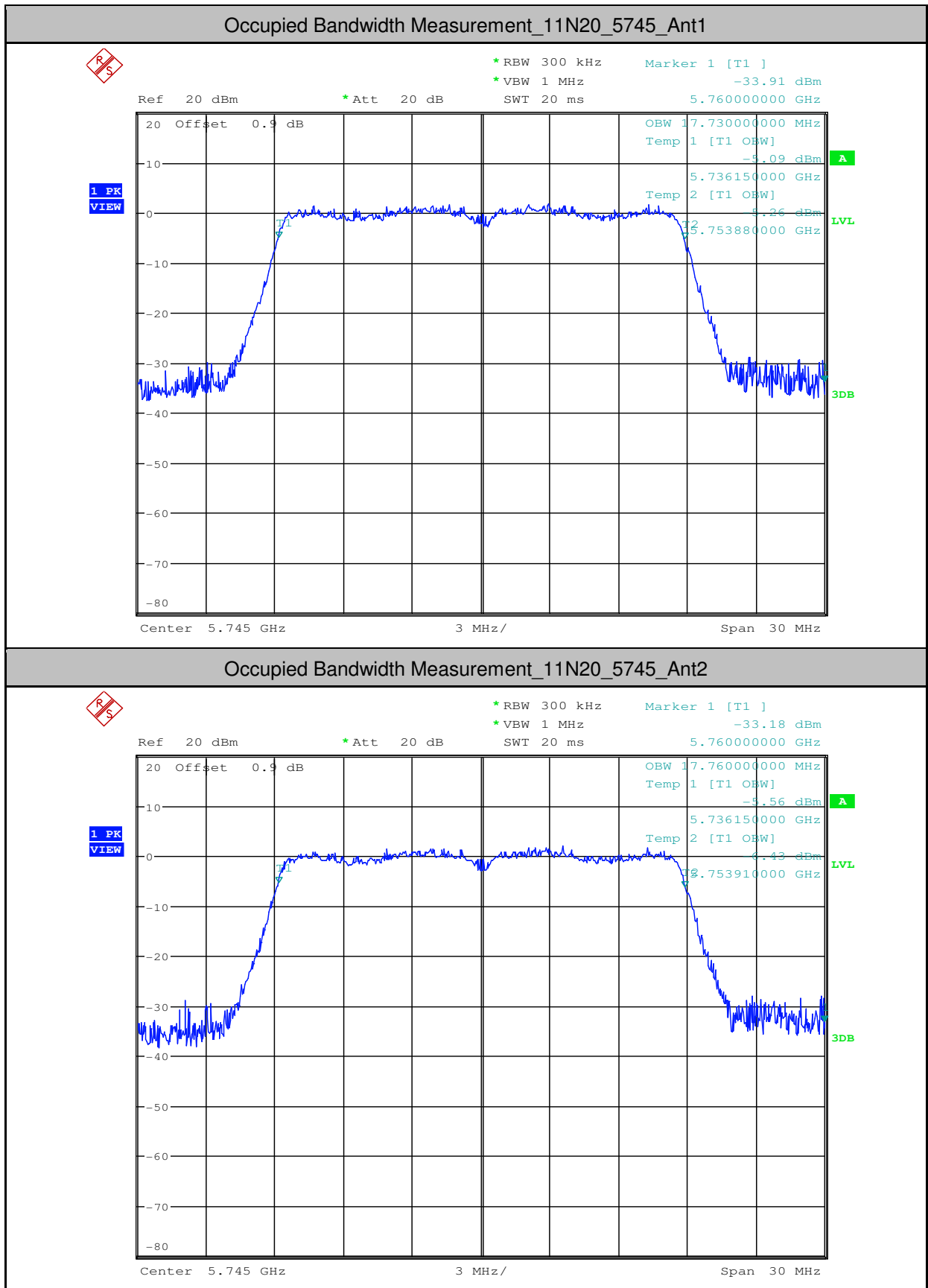


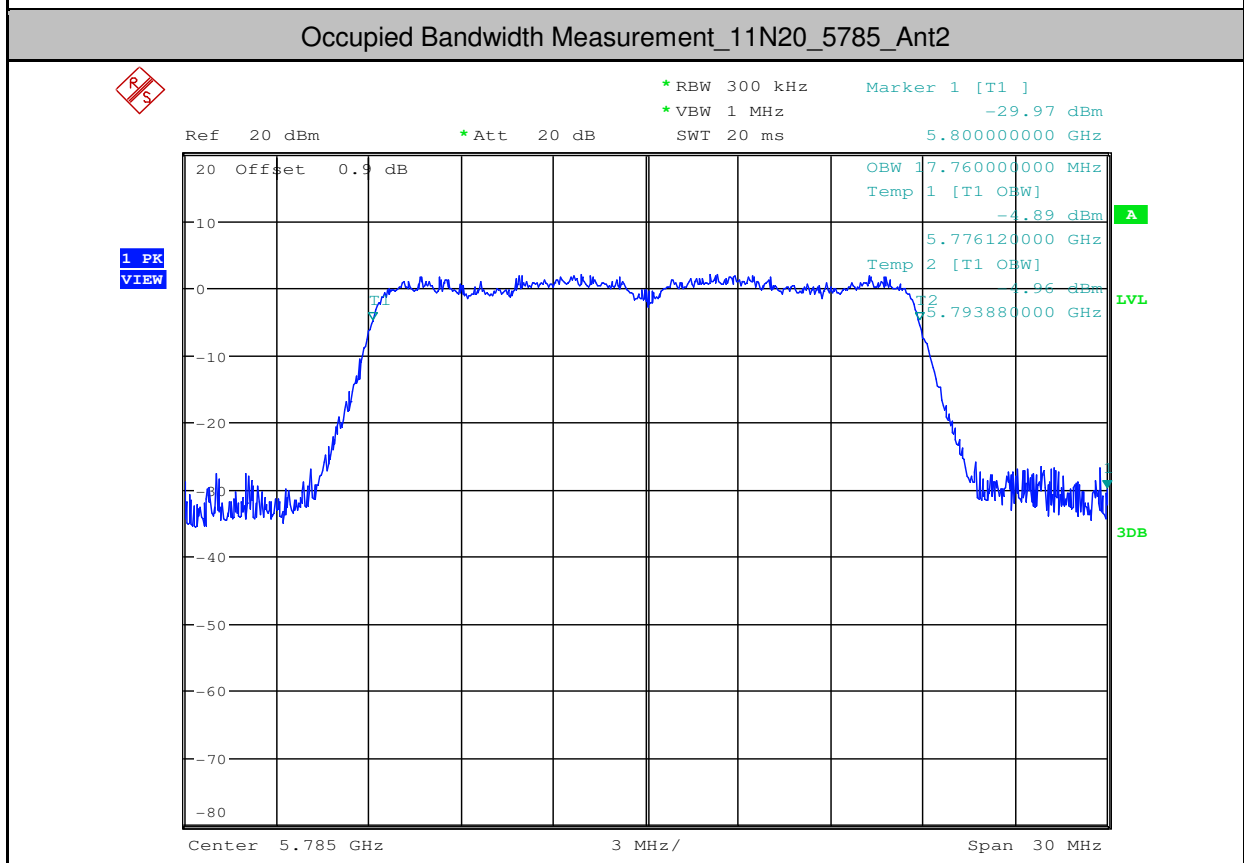
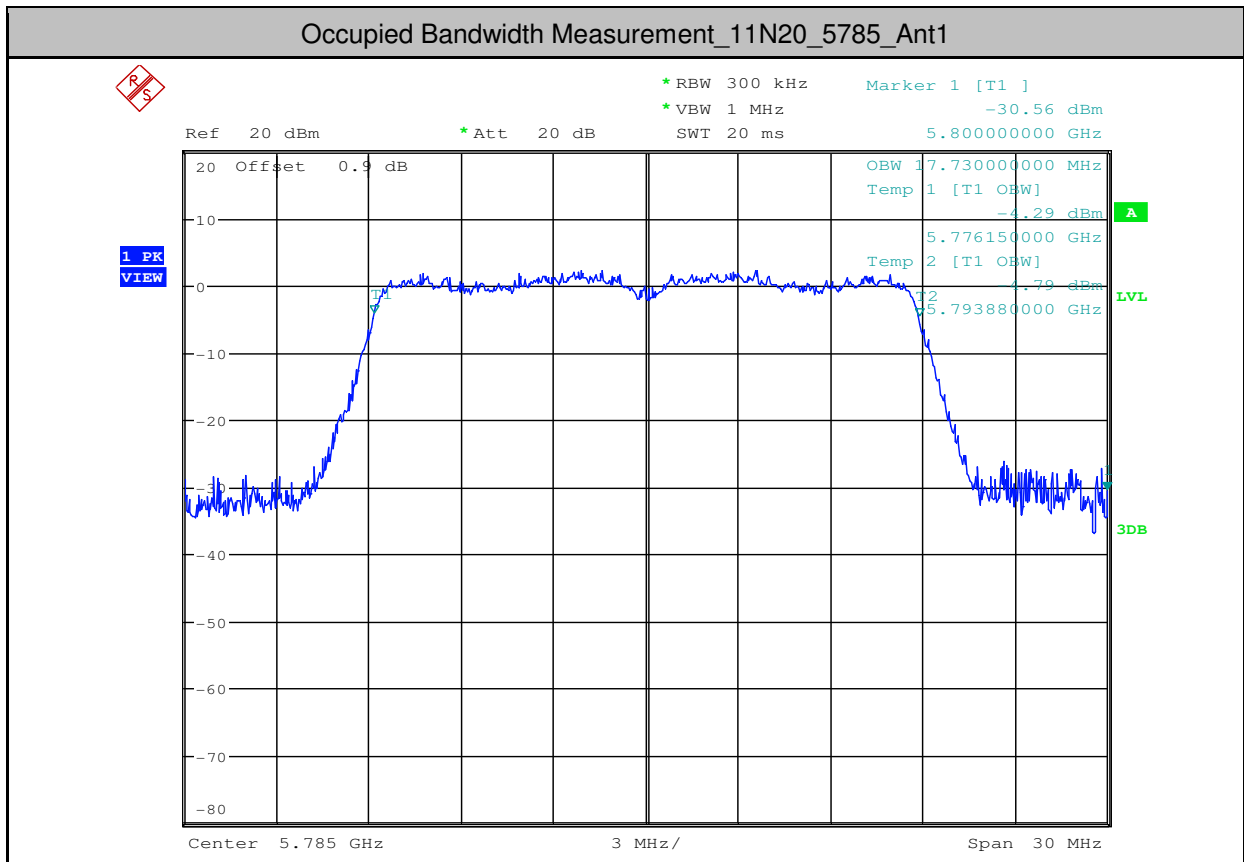


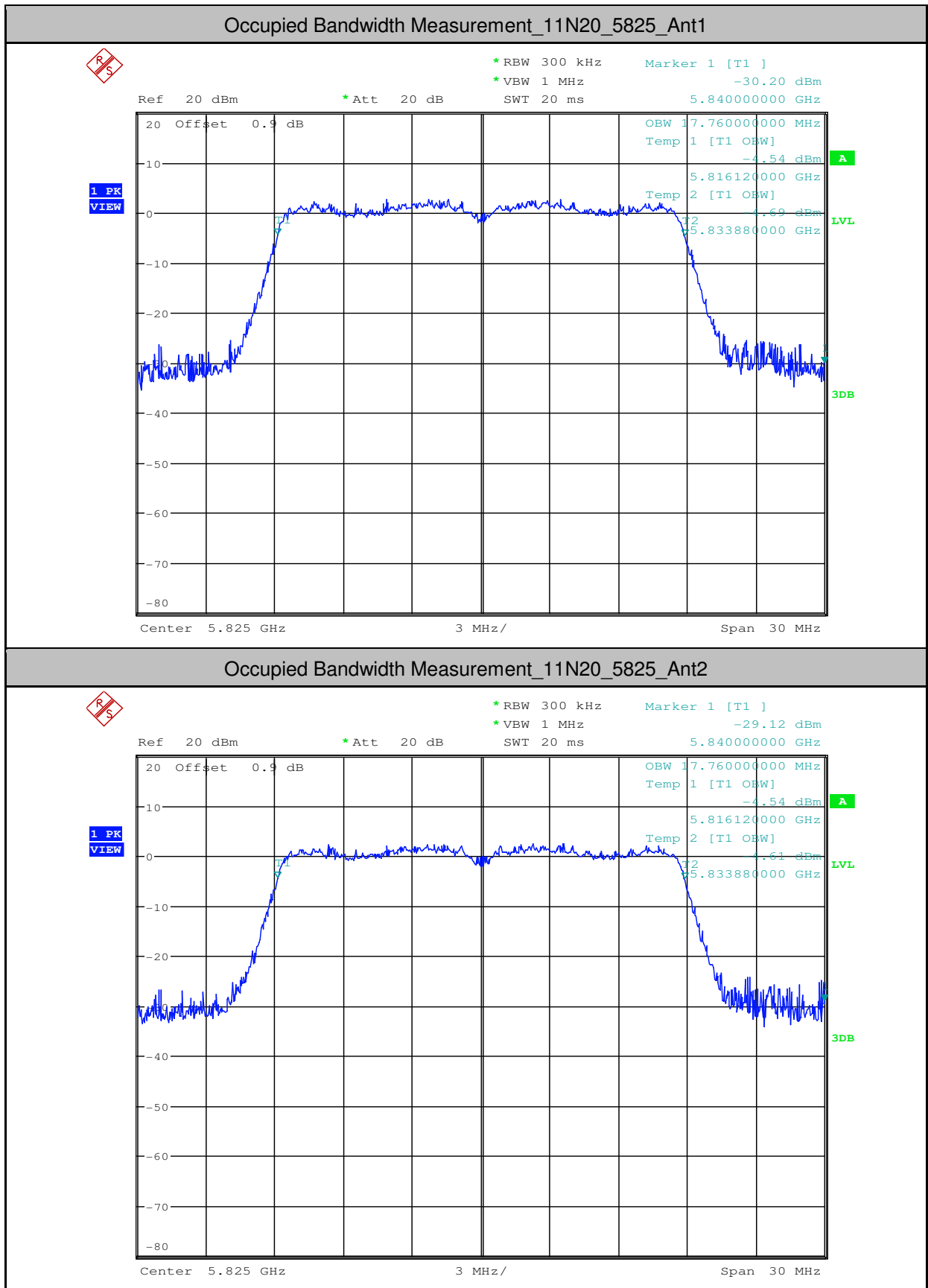


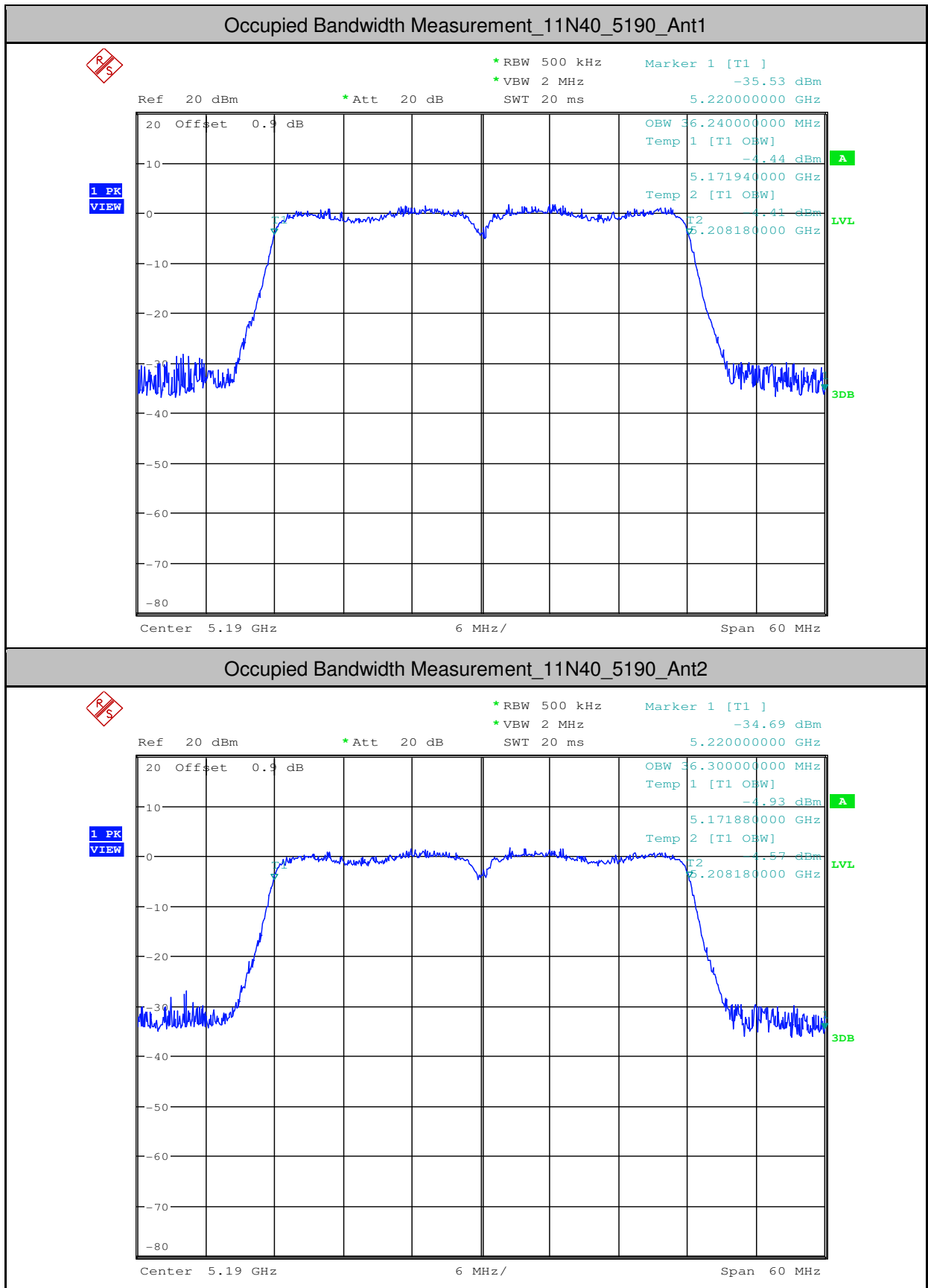


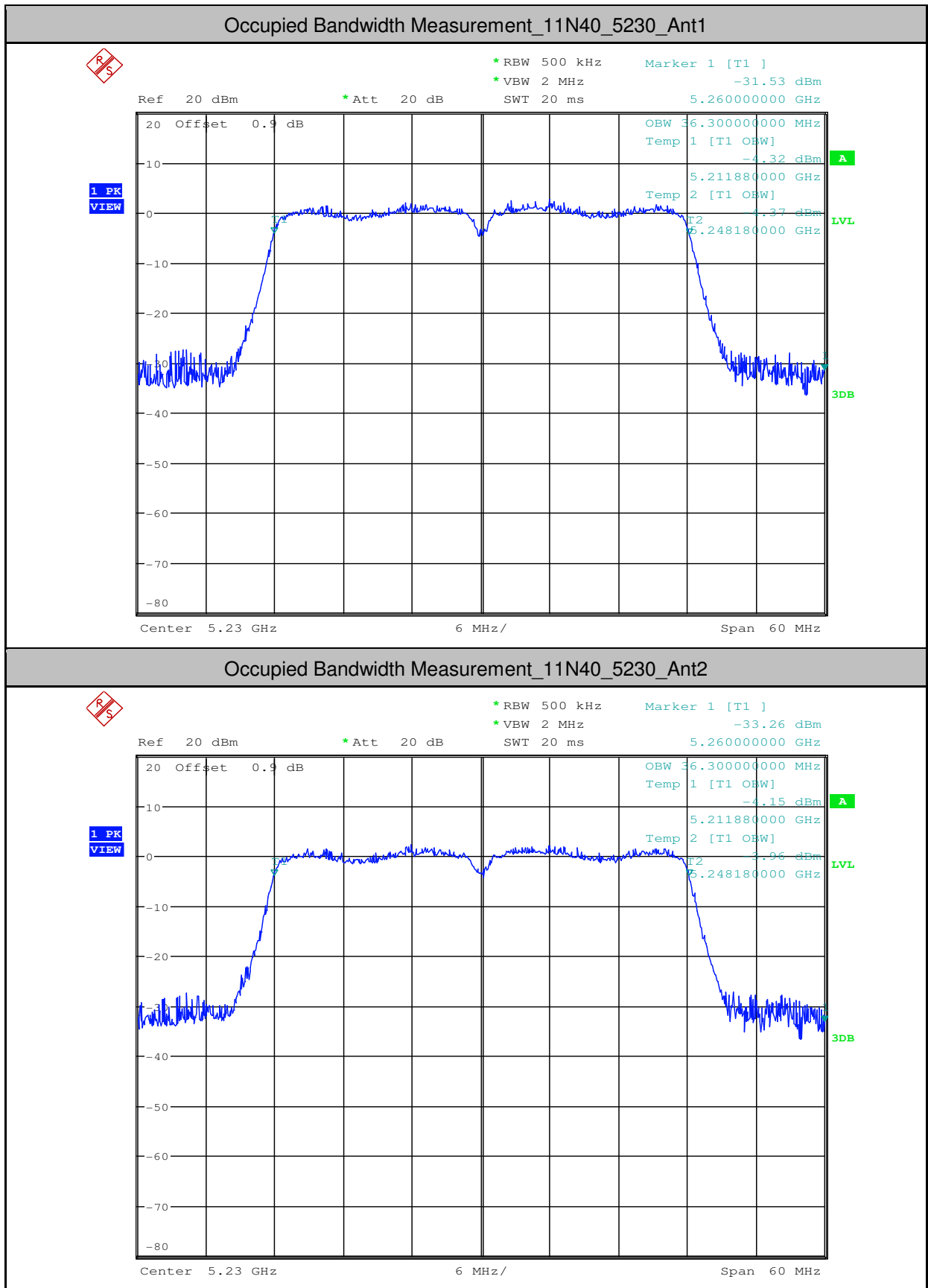


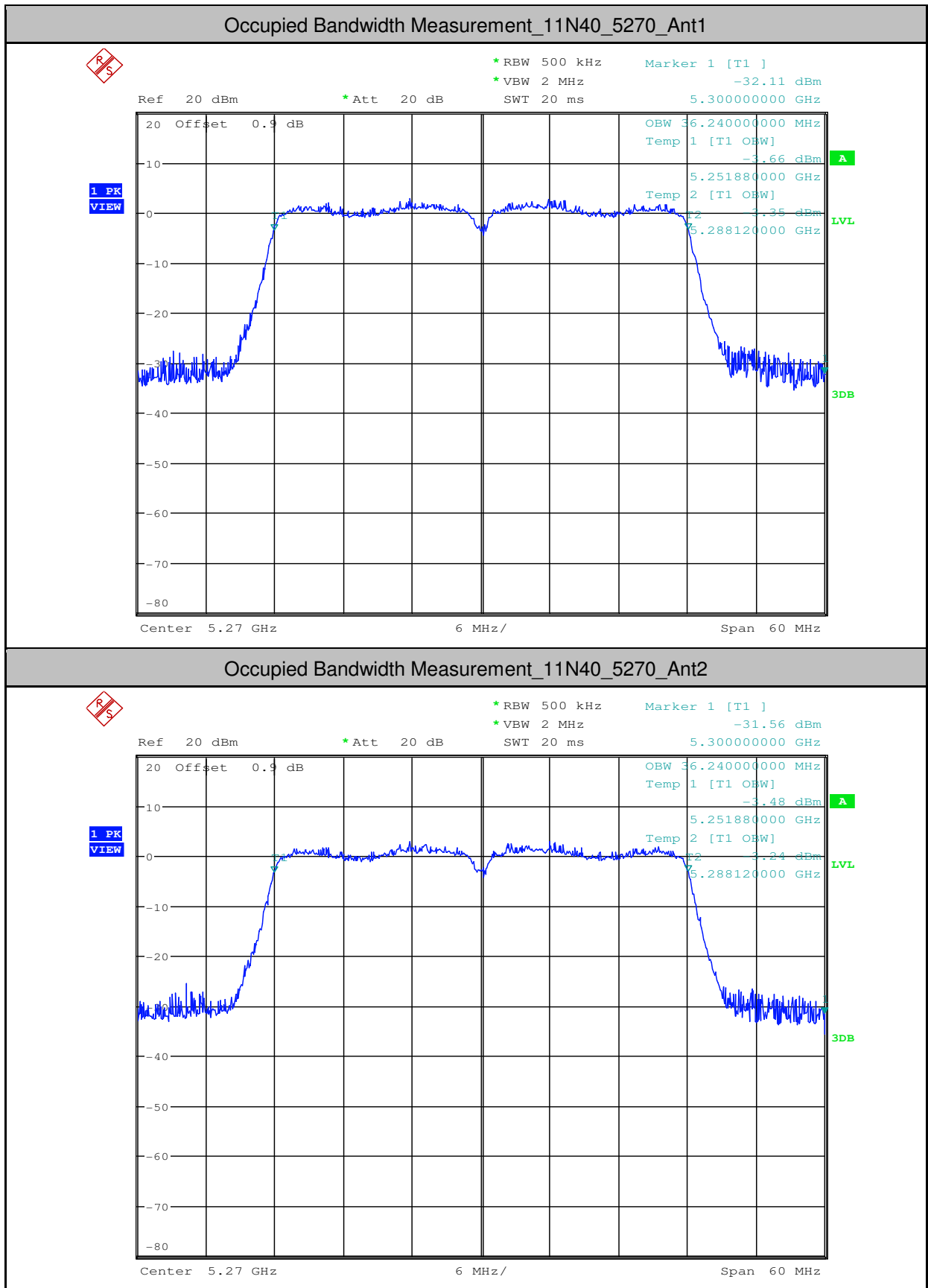


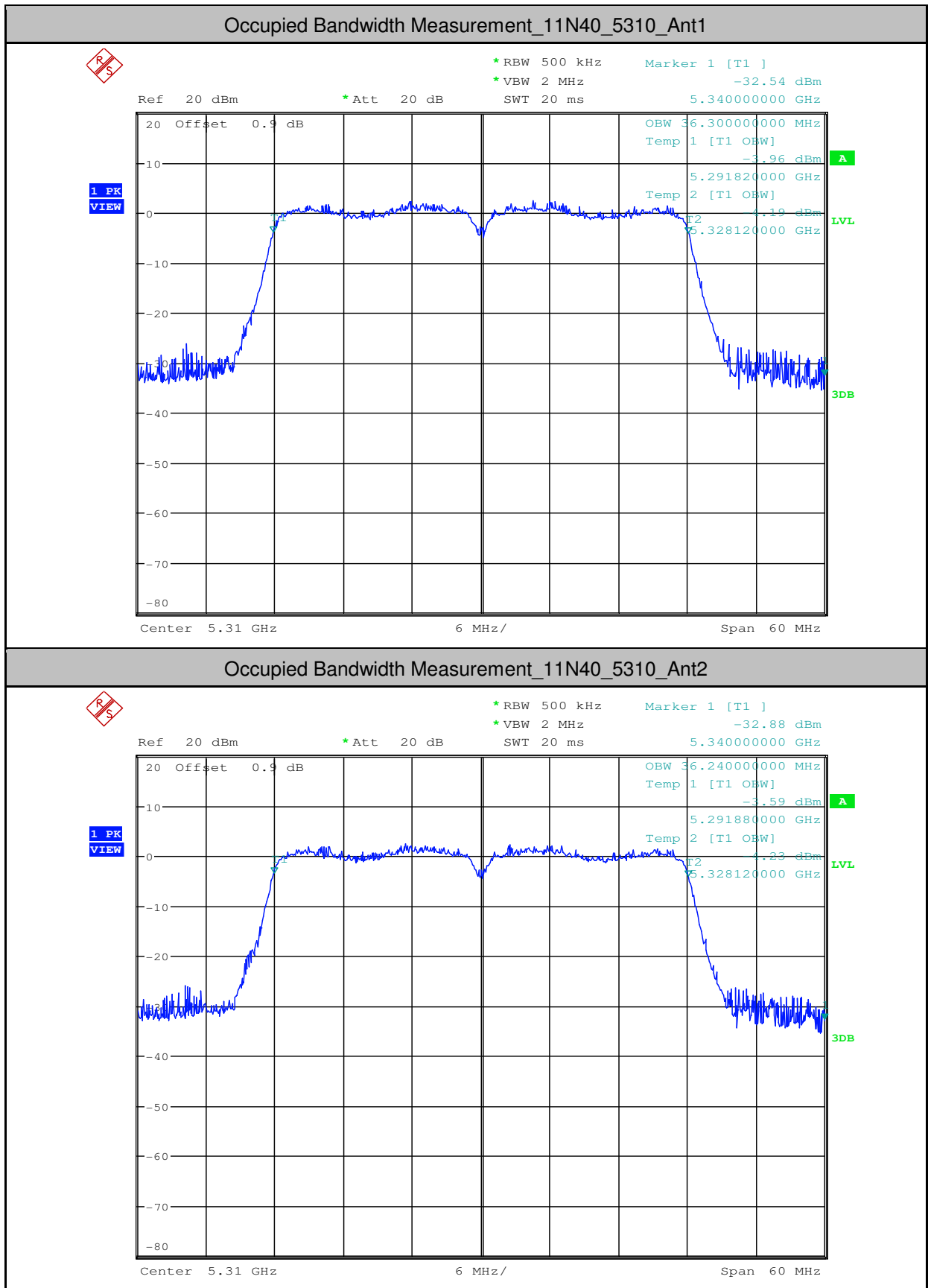


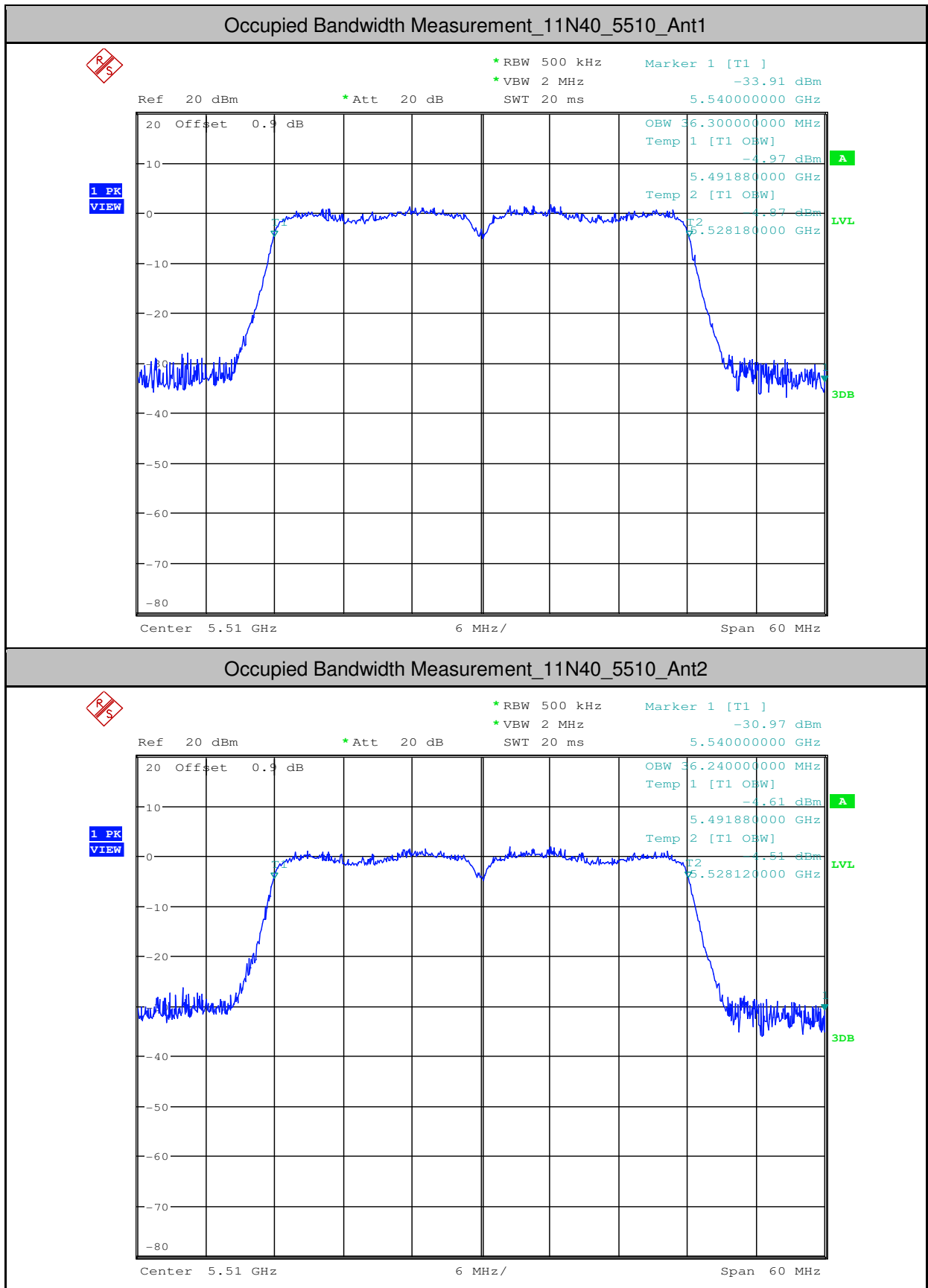


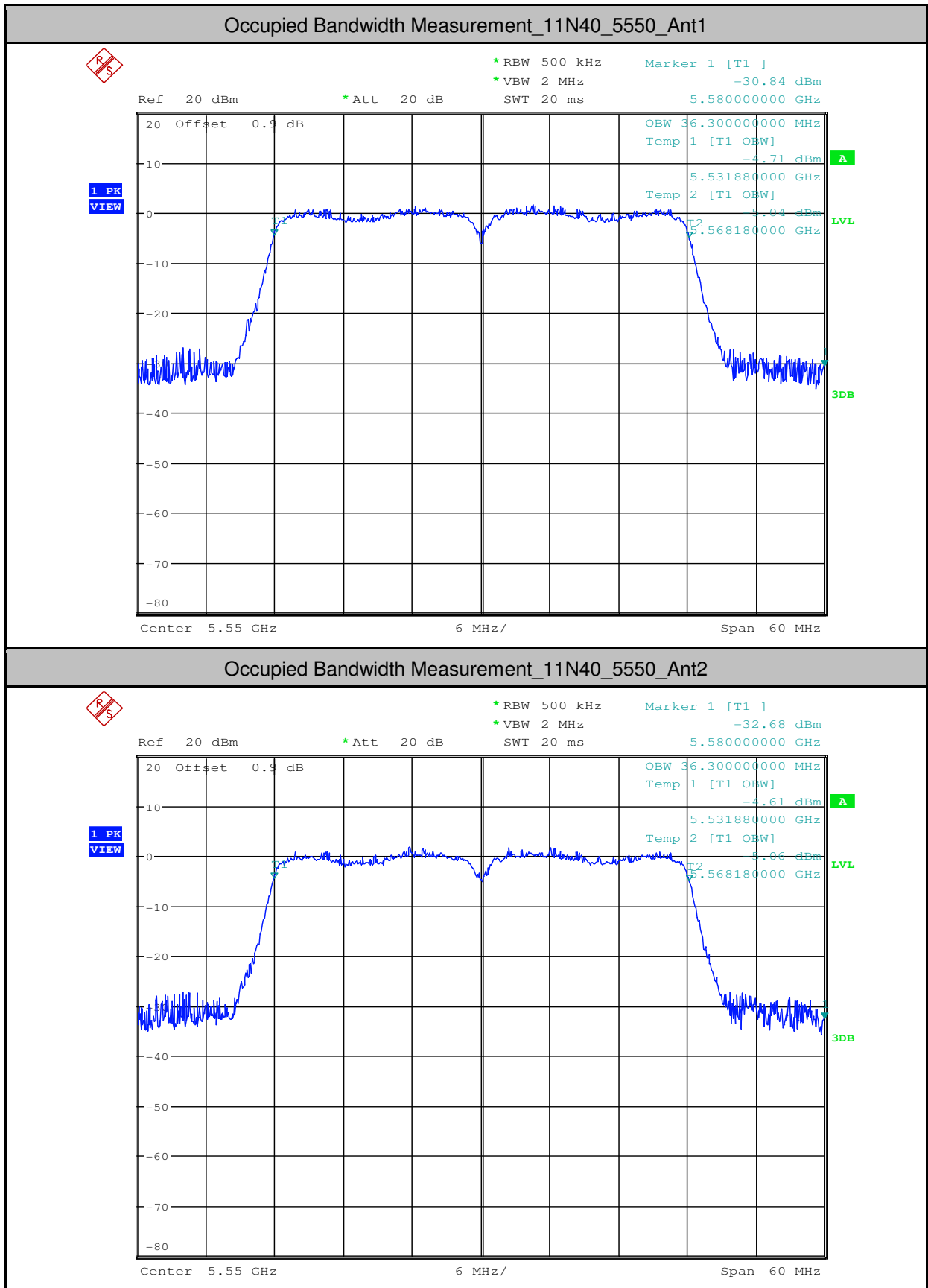


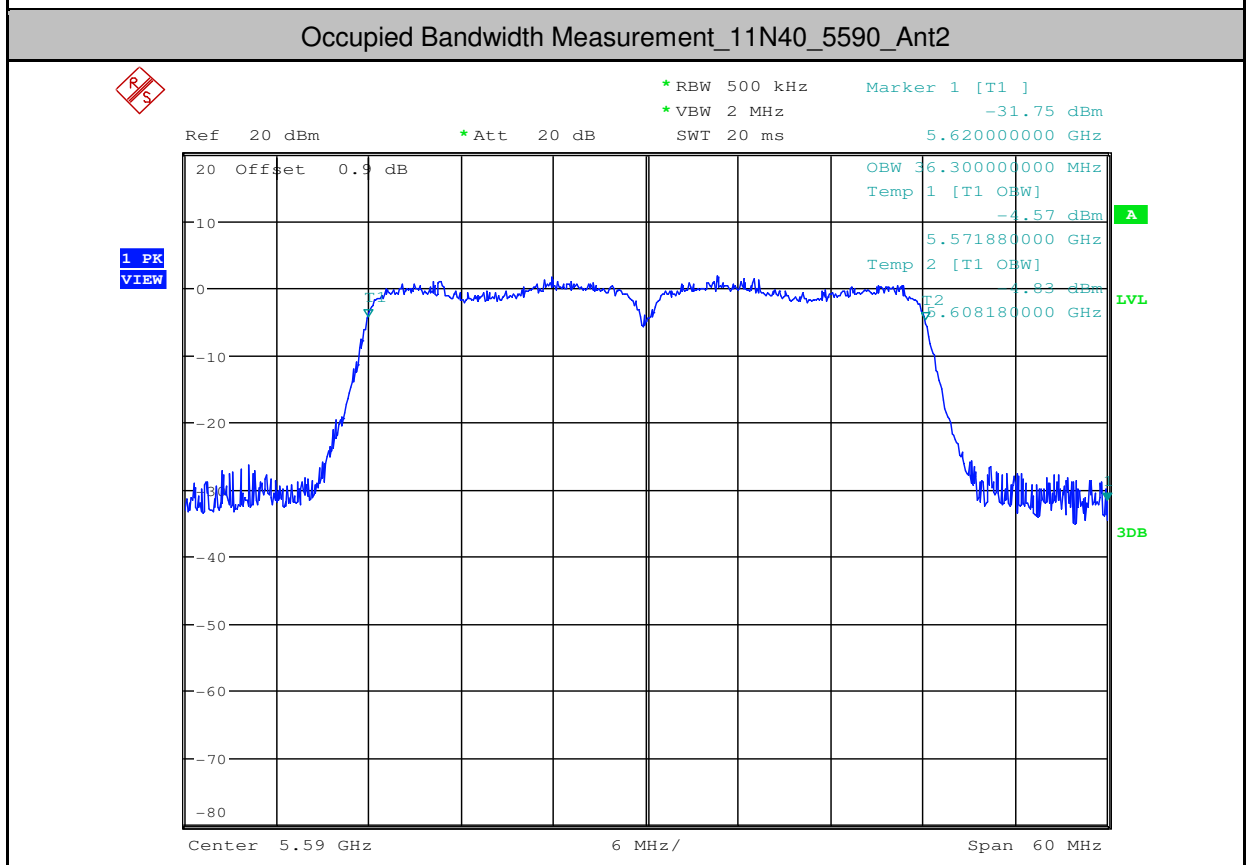
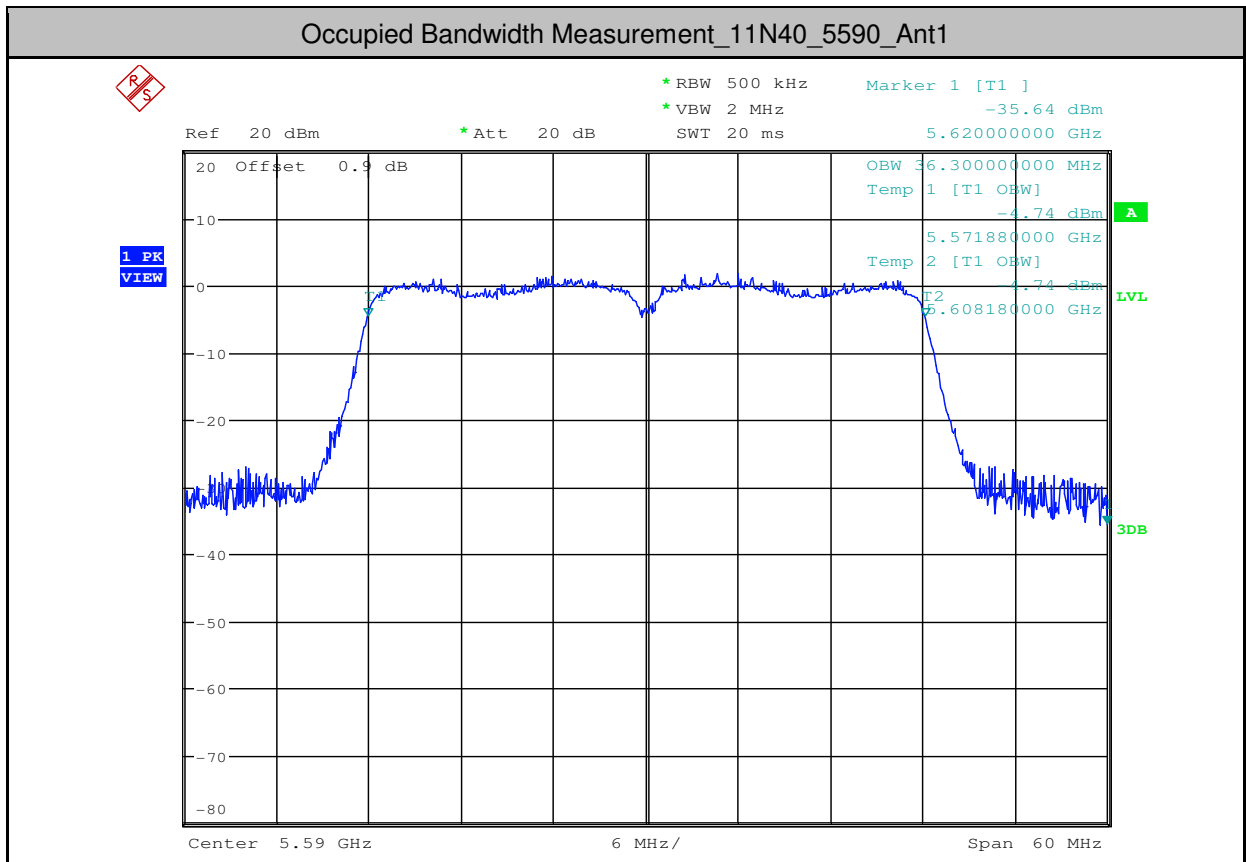


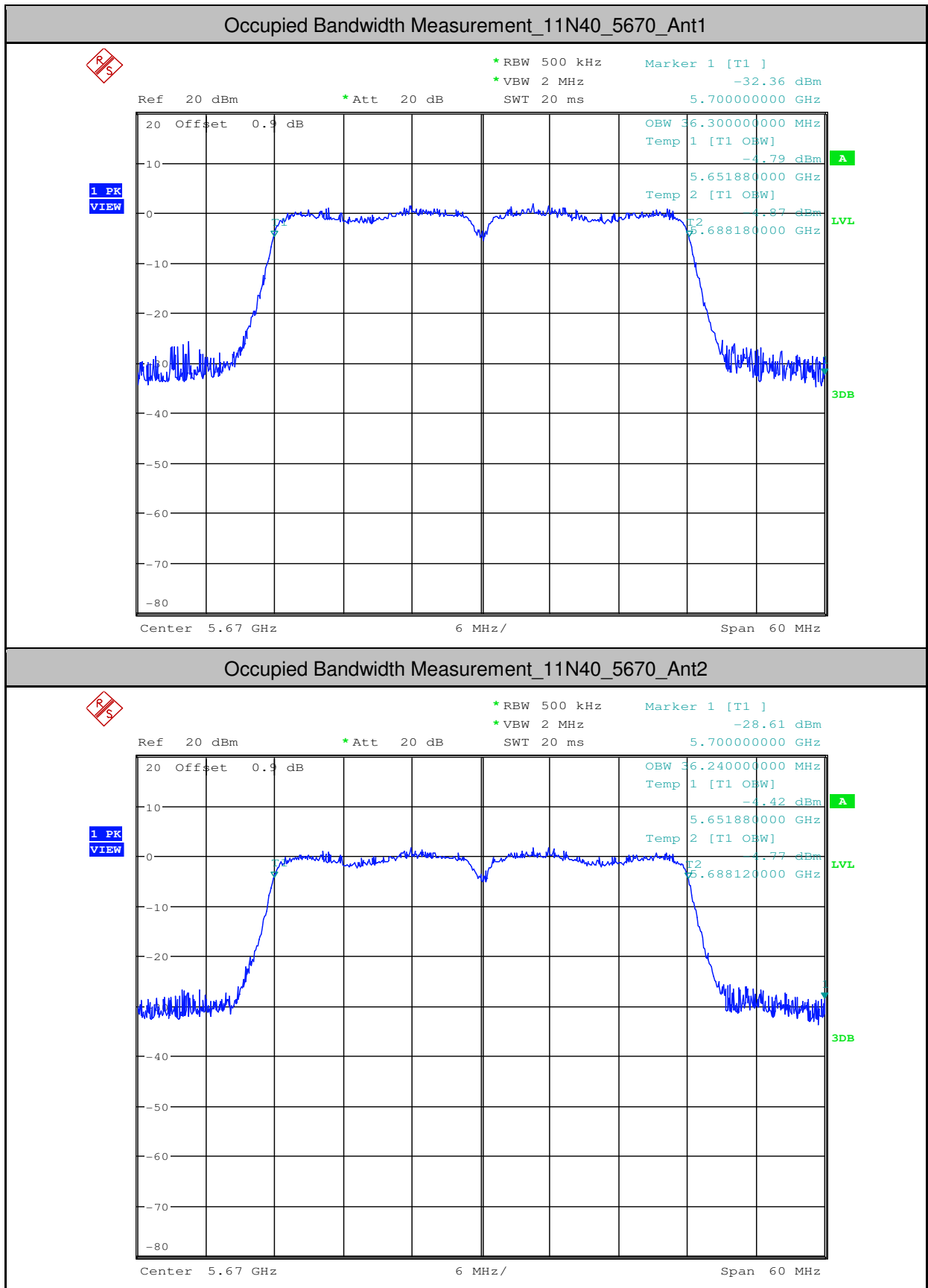


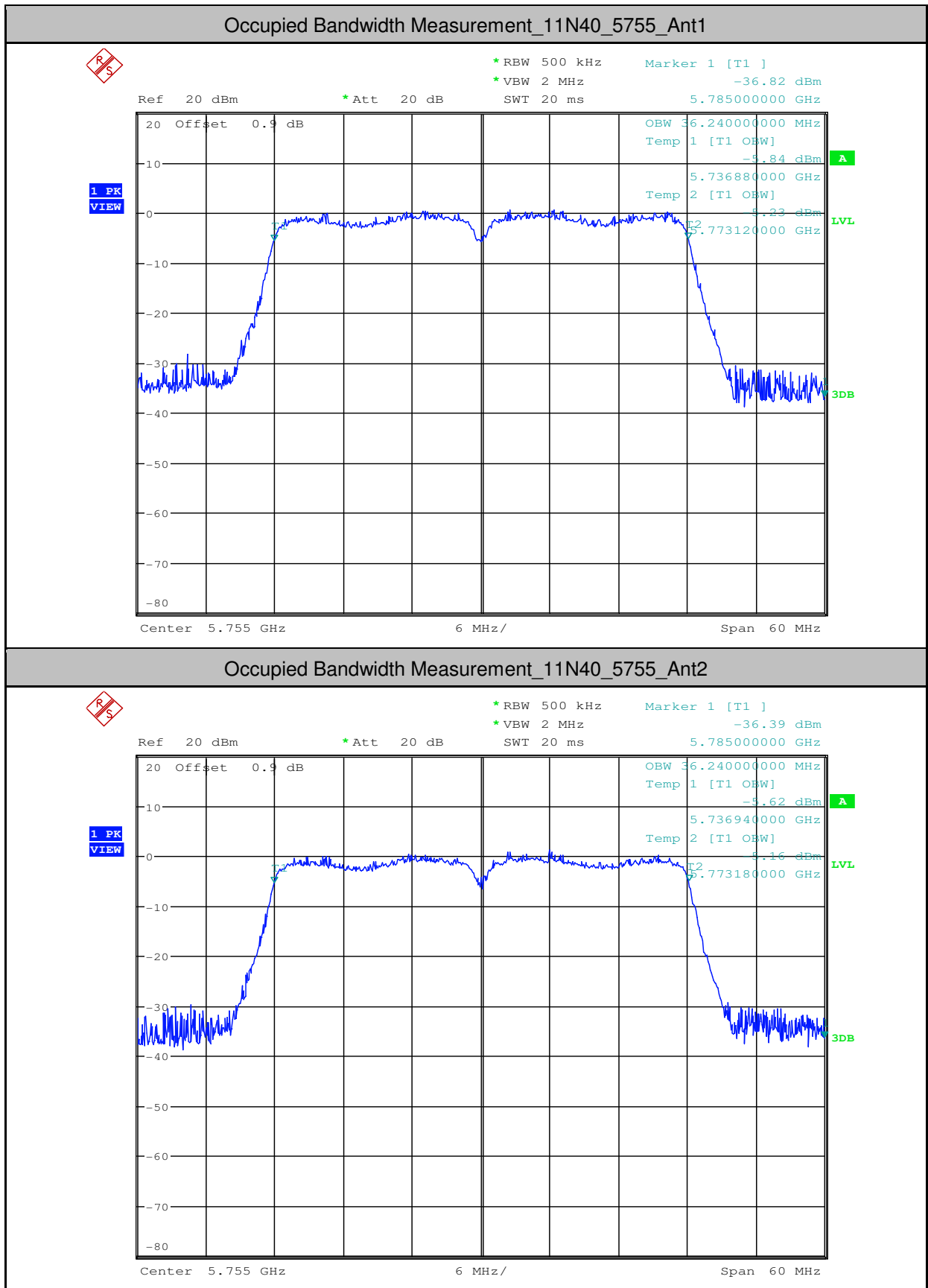


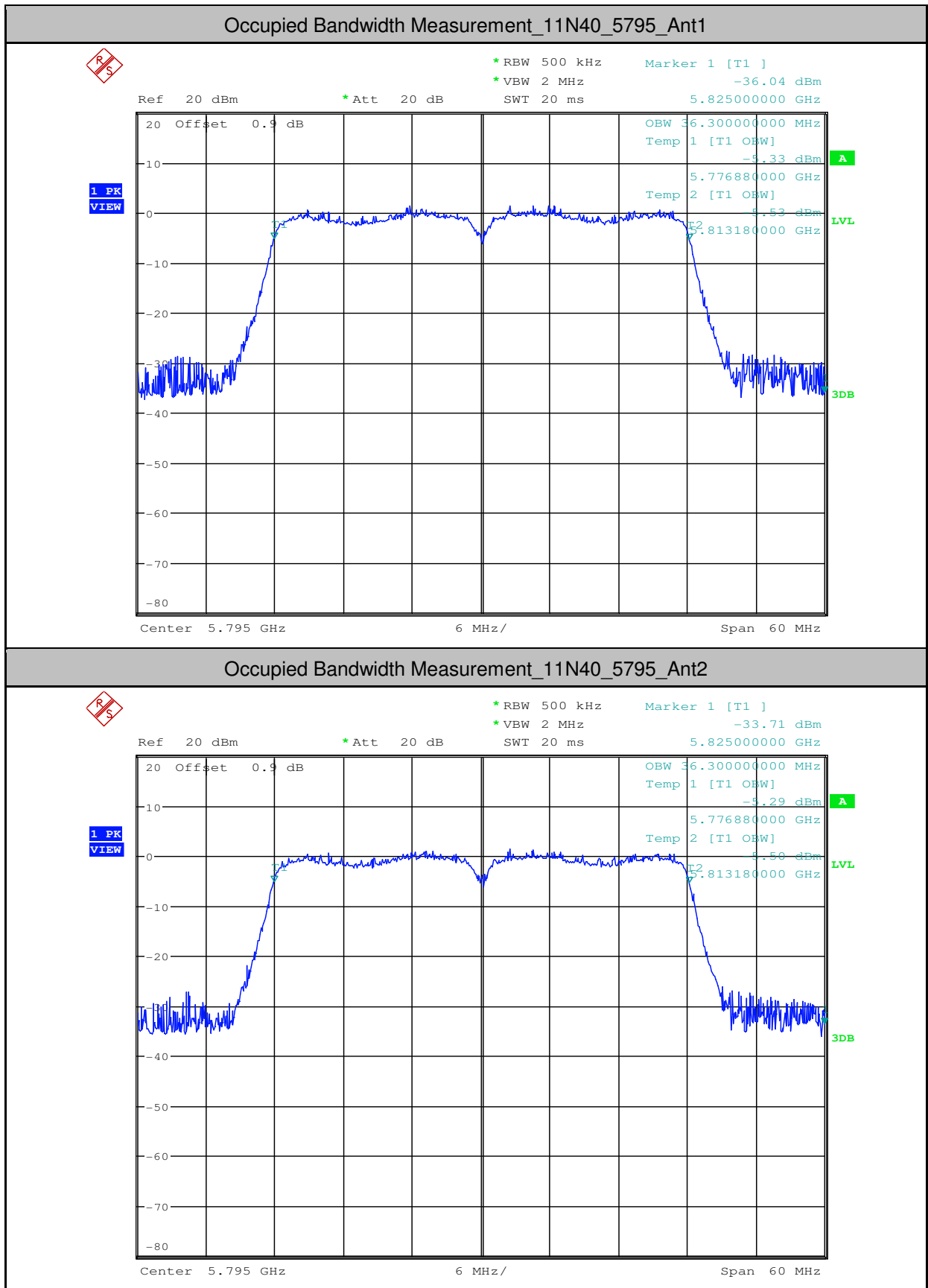


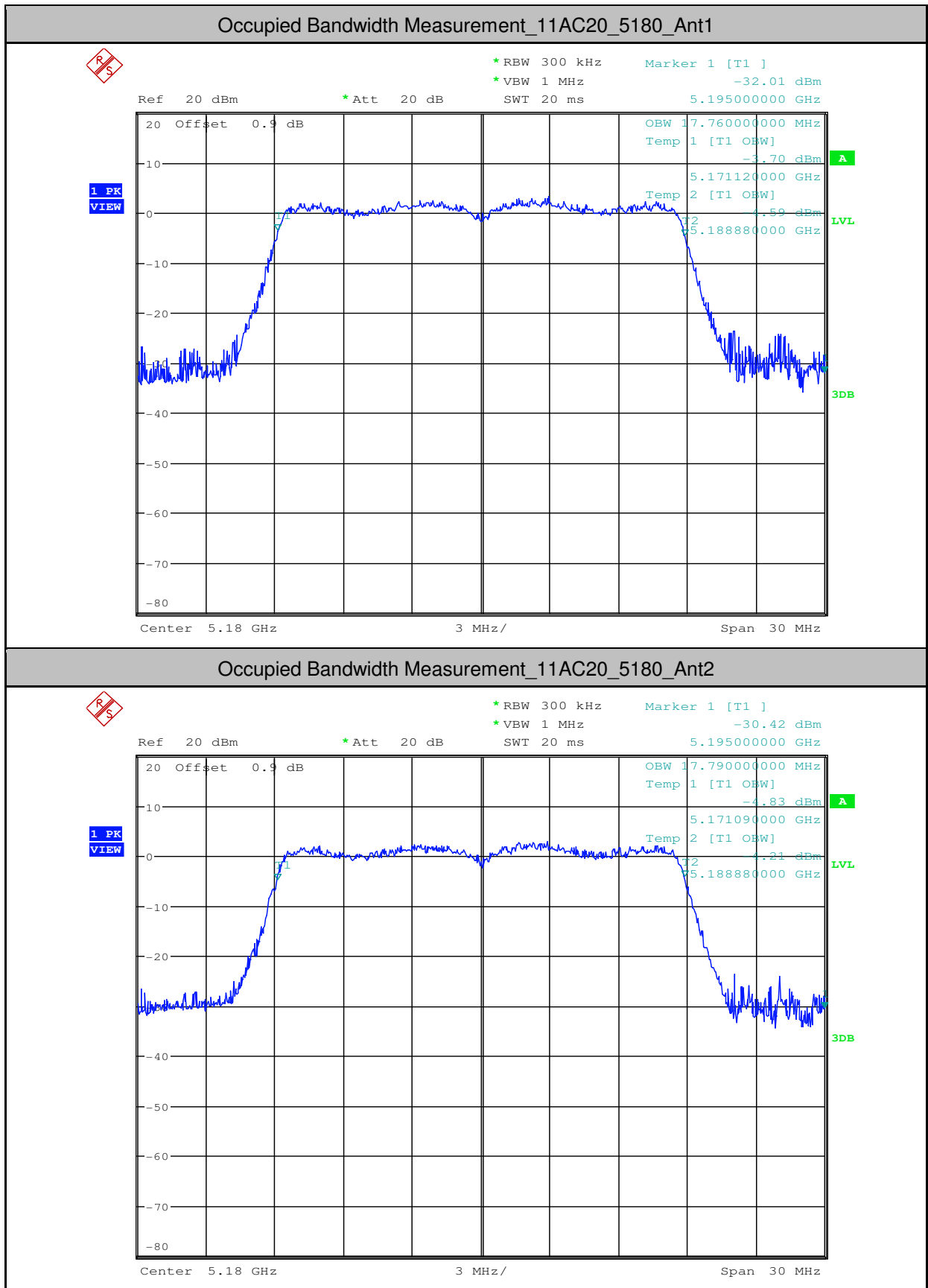


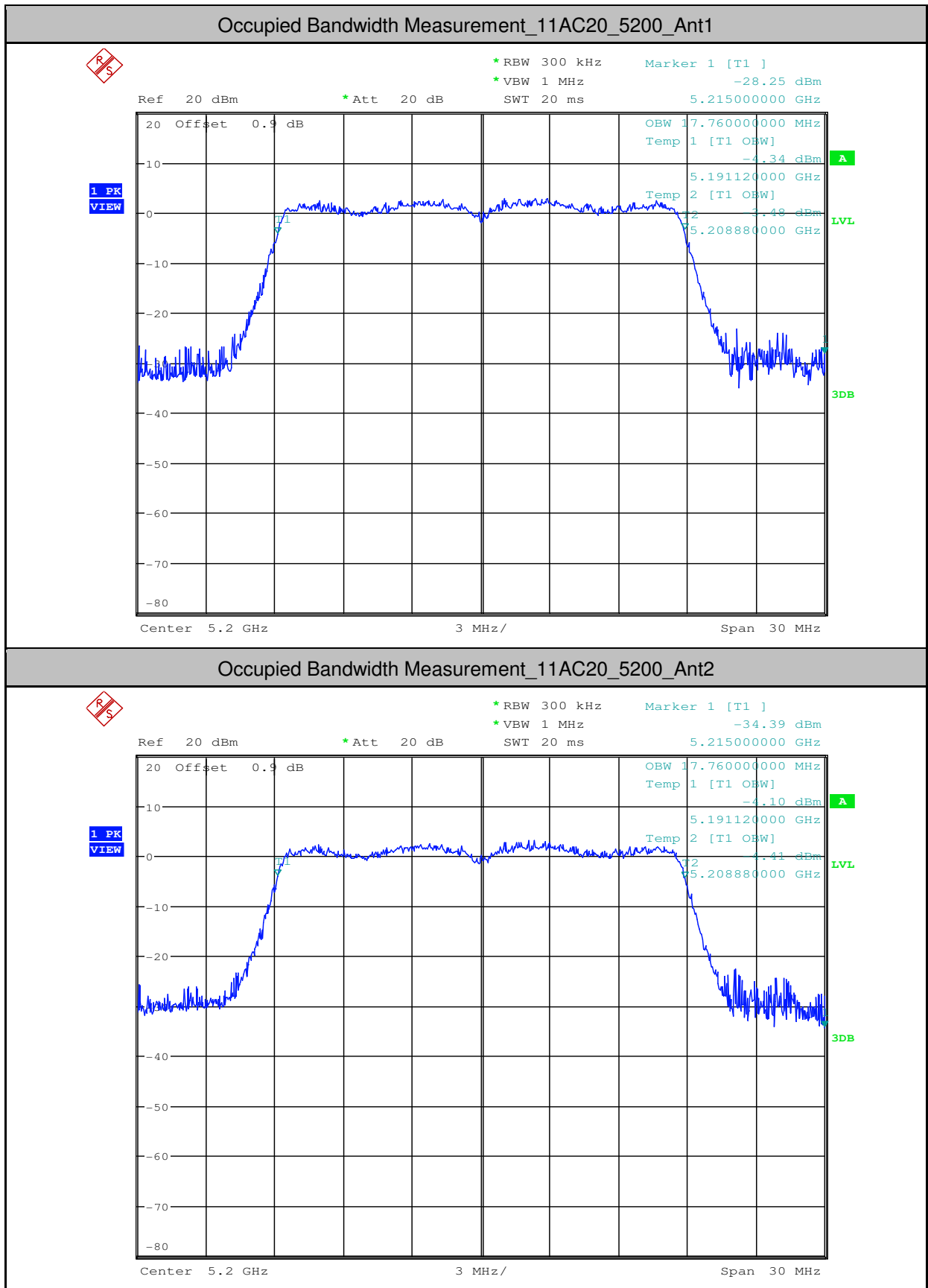


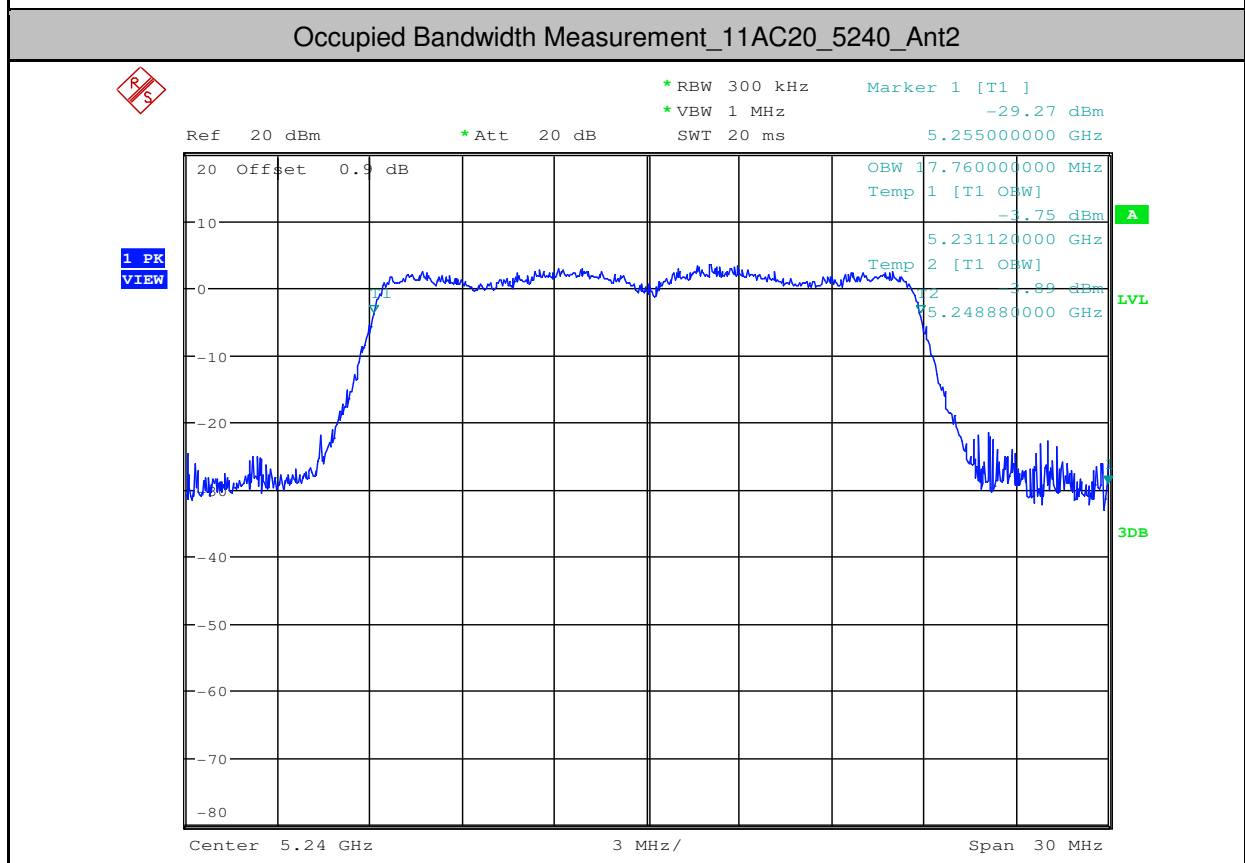
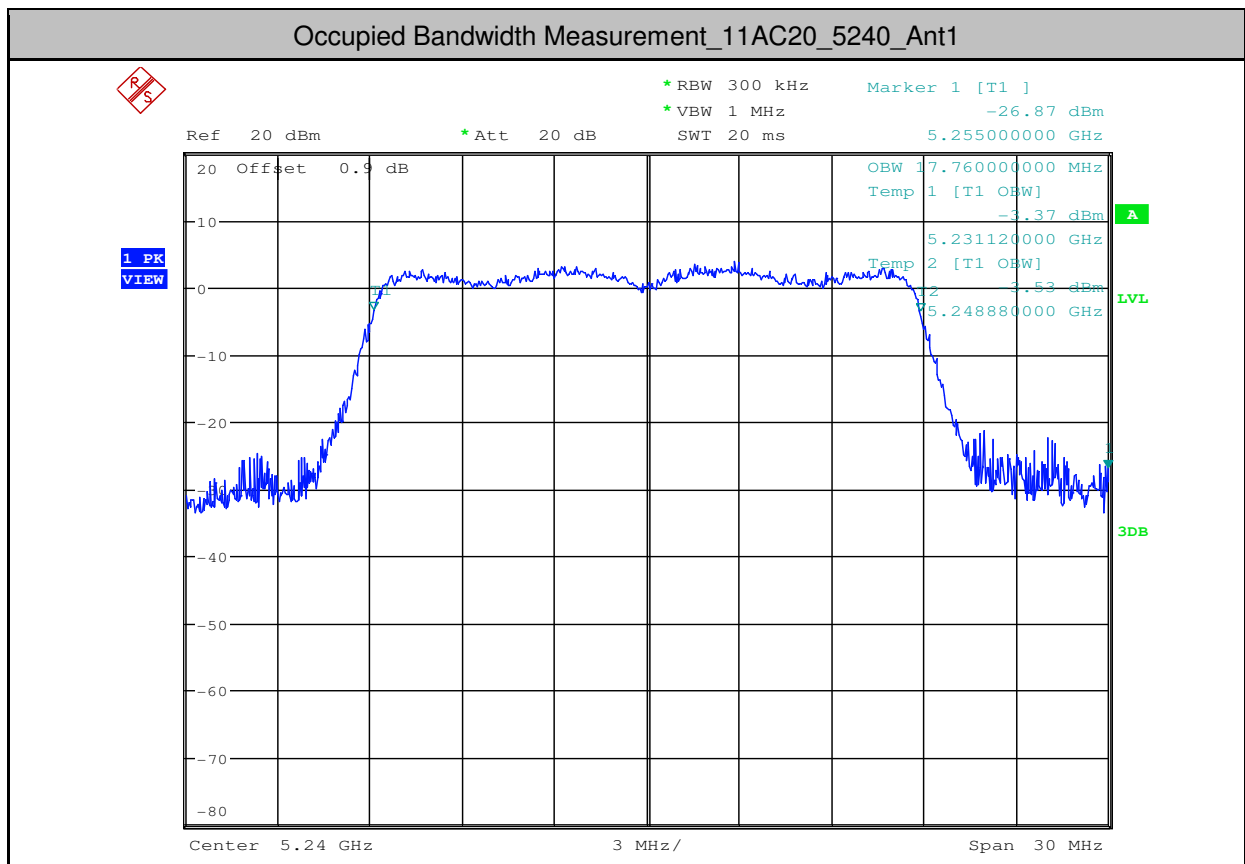


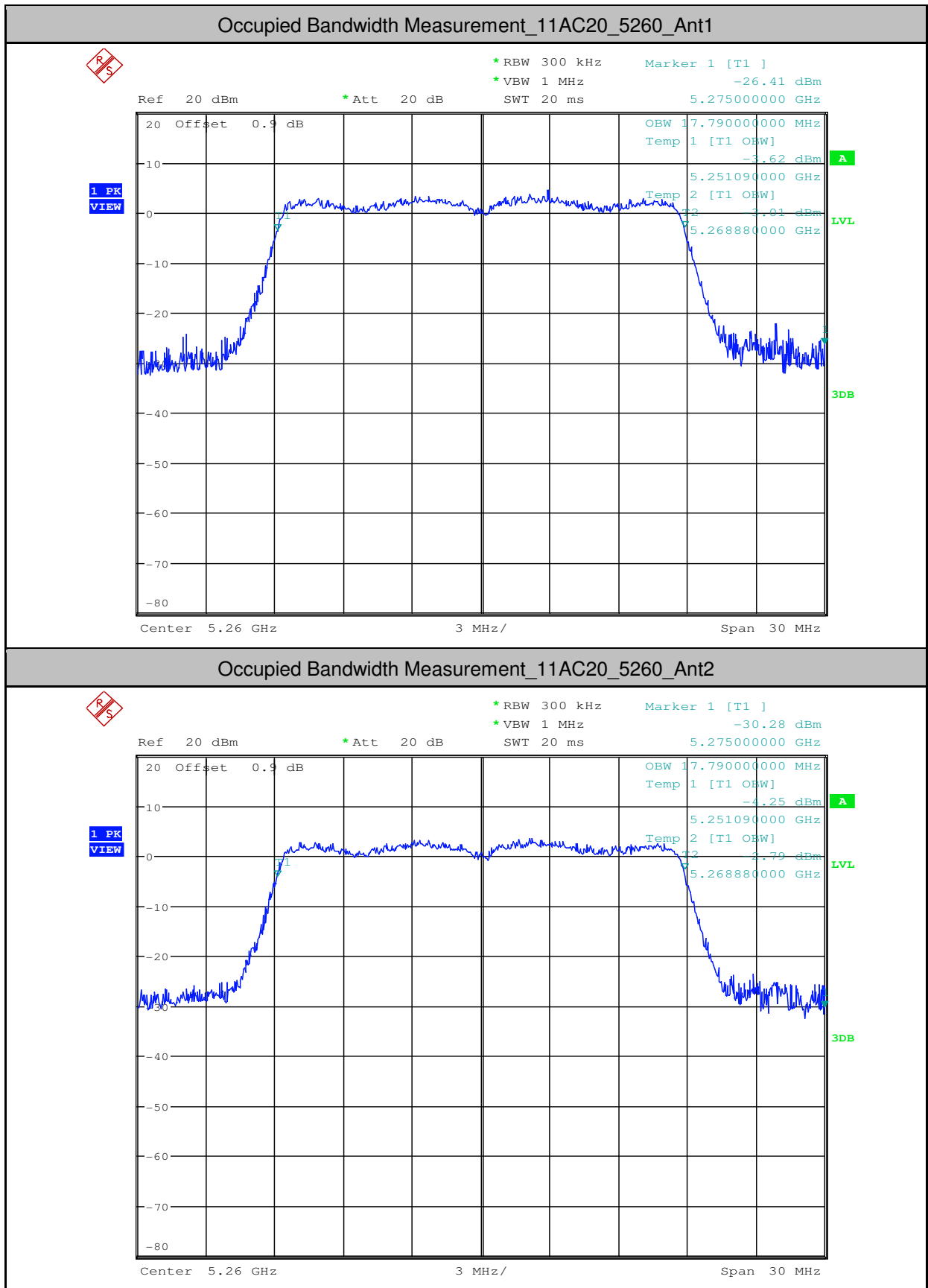


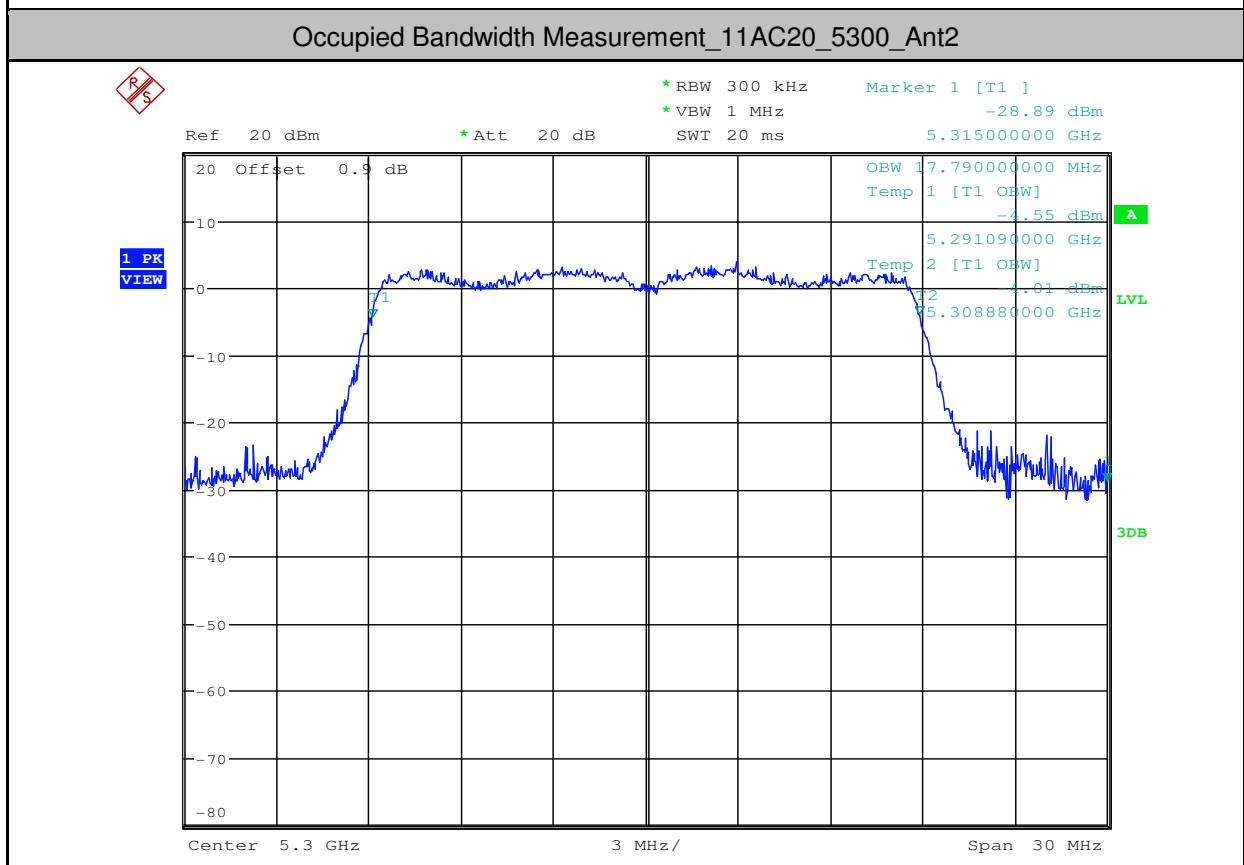
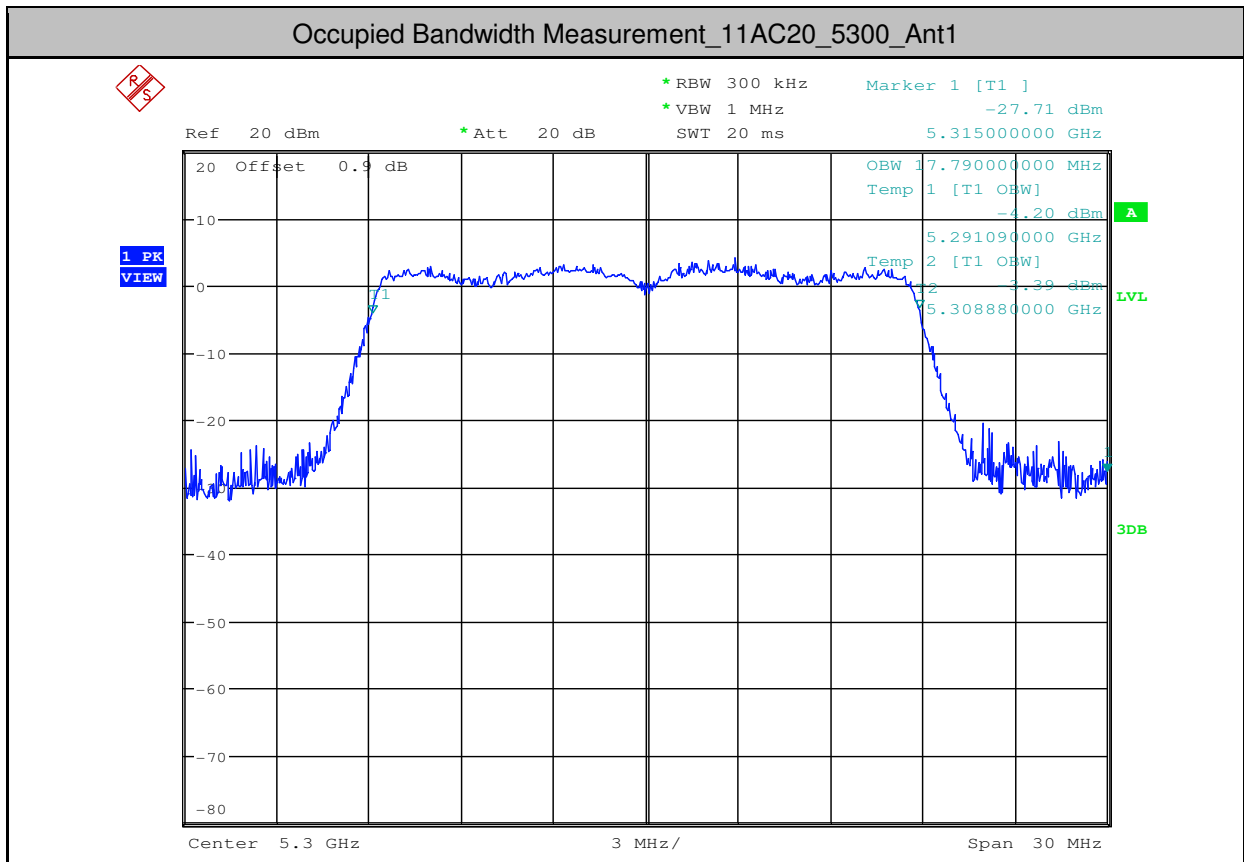


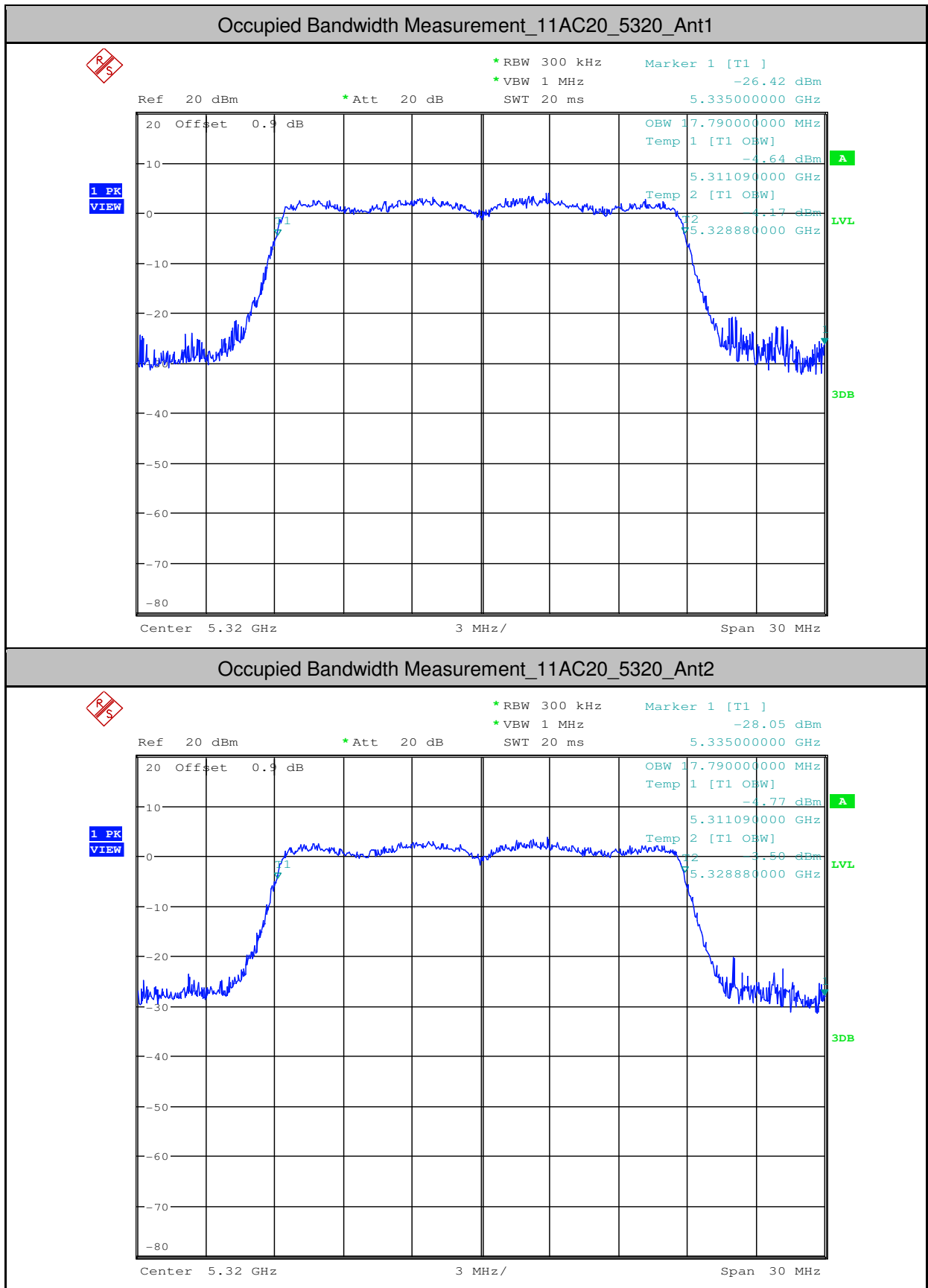


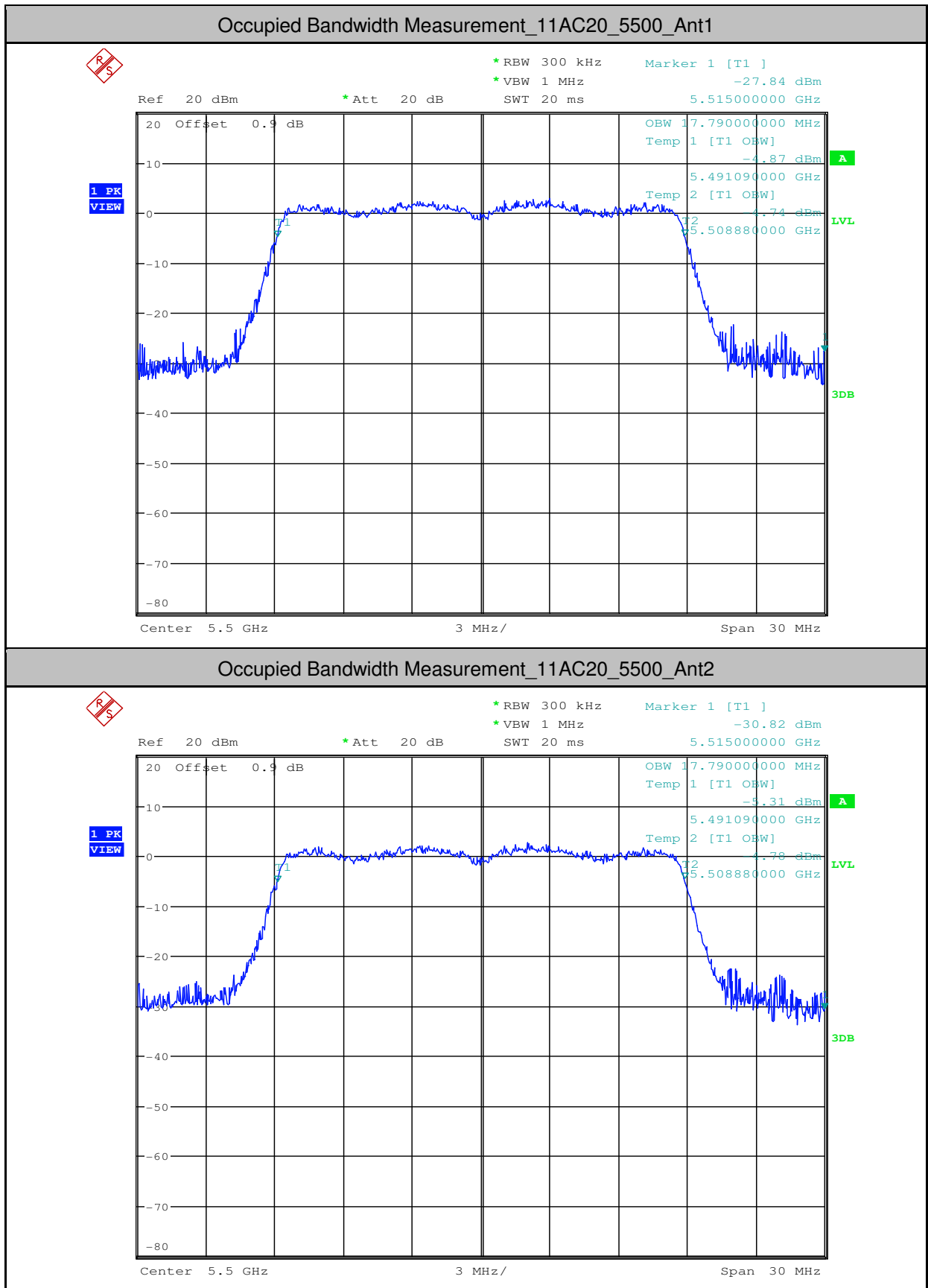


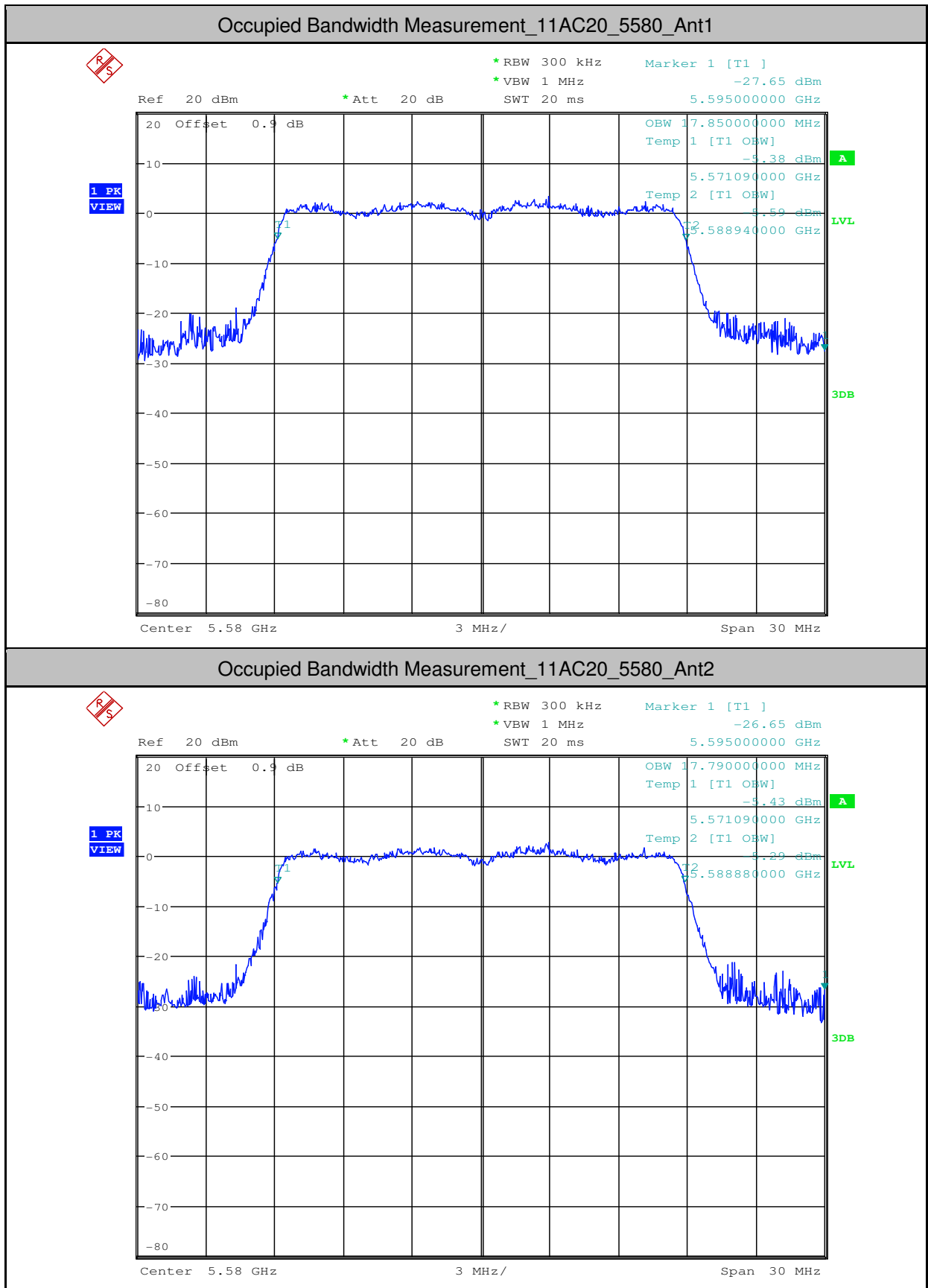


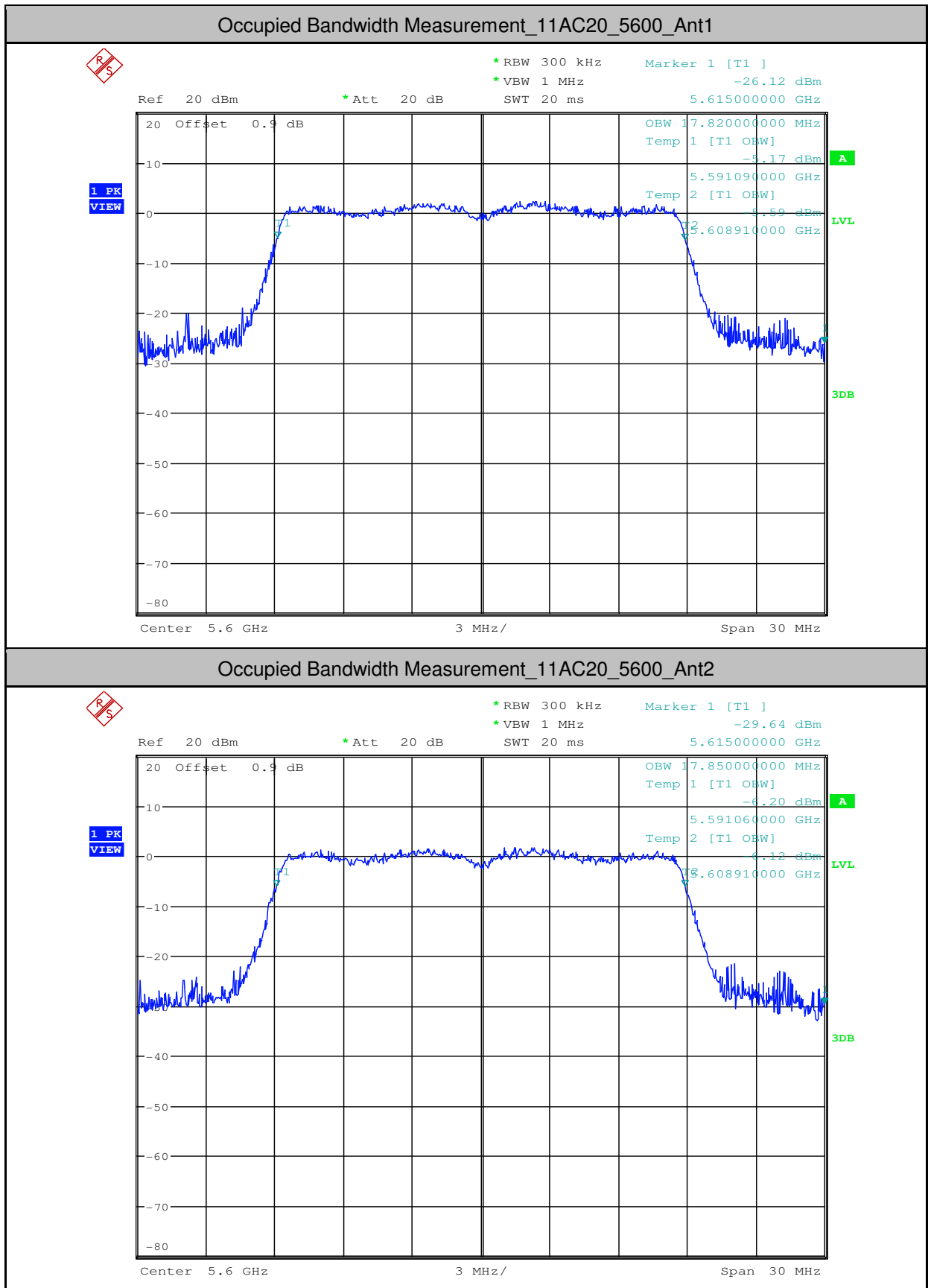


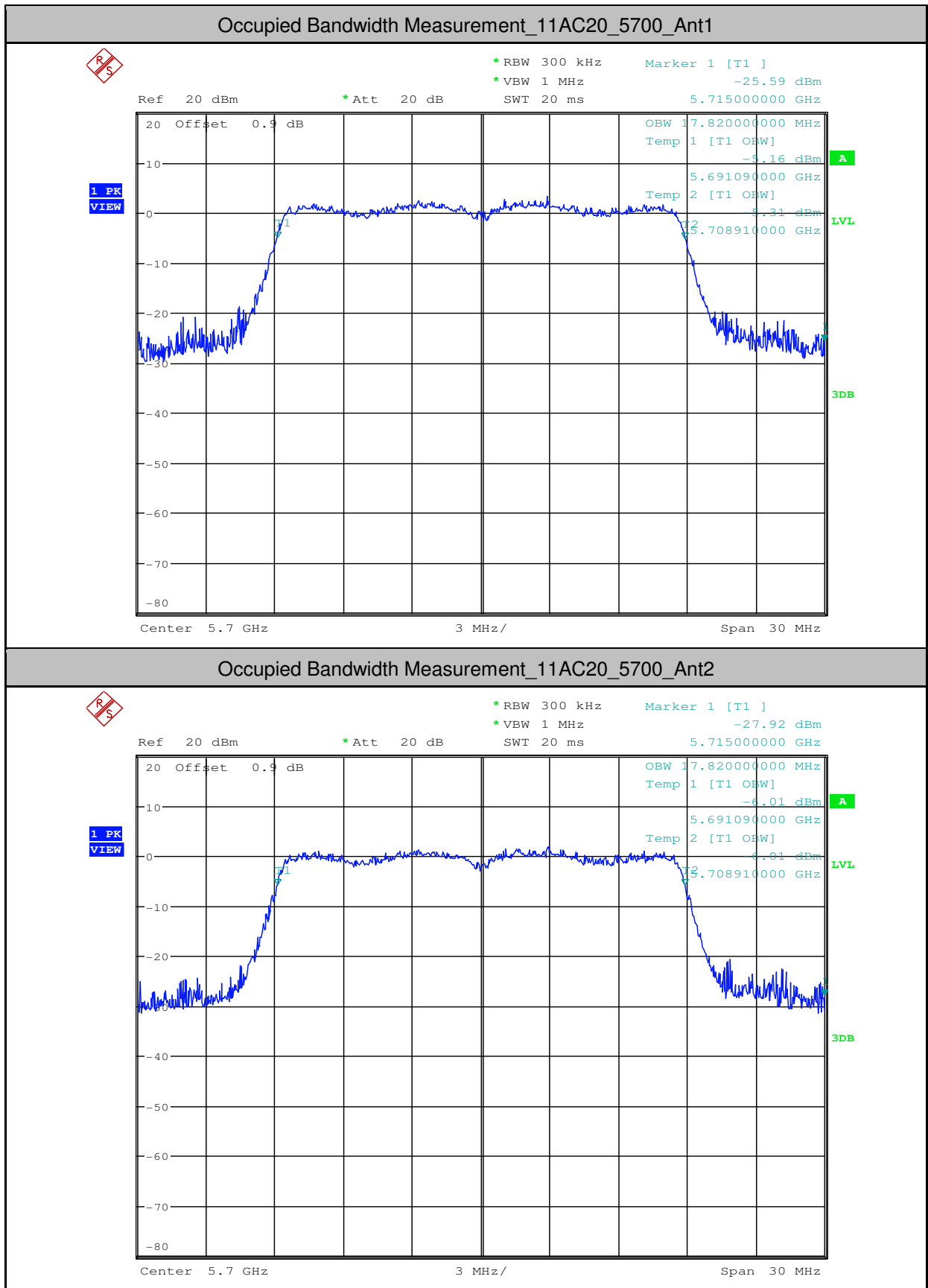














1 PK

VIEW

*RBW 300 kHz

*VBW 1 MHz

SWT 20 ms

Marker 1 [T1]

-27.92 dBm

5.715000000 GHz

Ref 20 dBm

*Att 20 dB

Offset 0.9 dB

OBW 17.820000000 MHz

Temp 1 [T1 OBW]

-6.01 dBm

5.691090000 GHz

Temp 2 [T1 OBW]

-6.01 dBm

5.708910000 GHz

20

10

0

-10

-20

-30

-40

-50

-60

-70

-80

Center 5.7 GHz

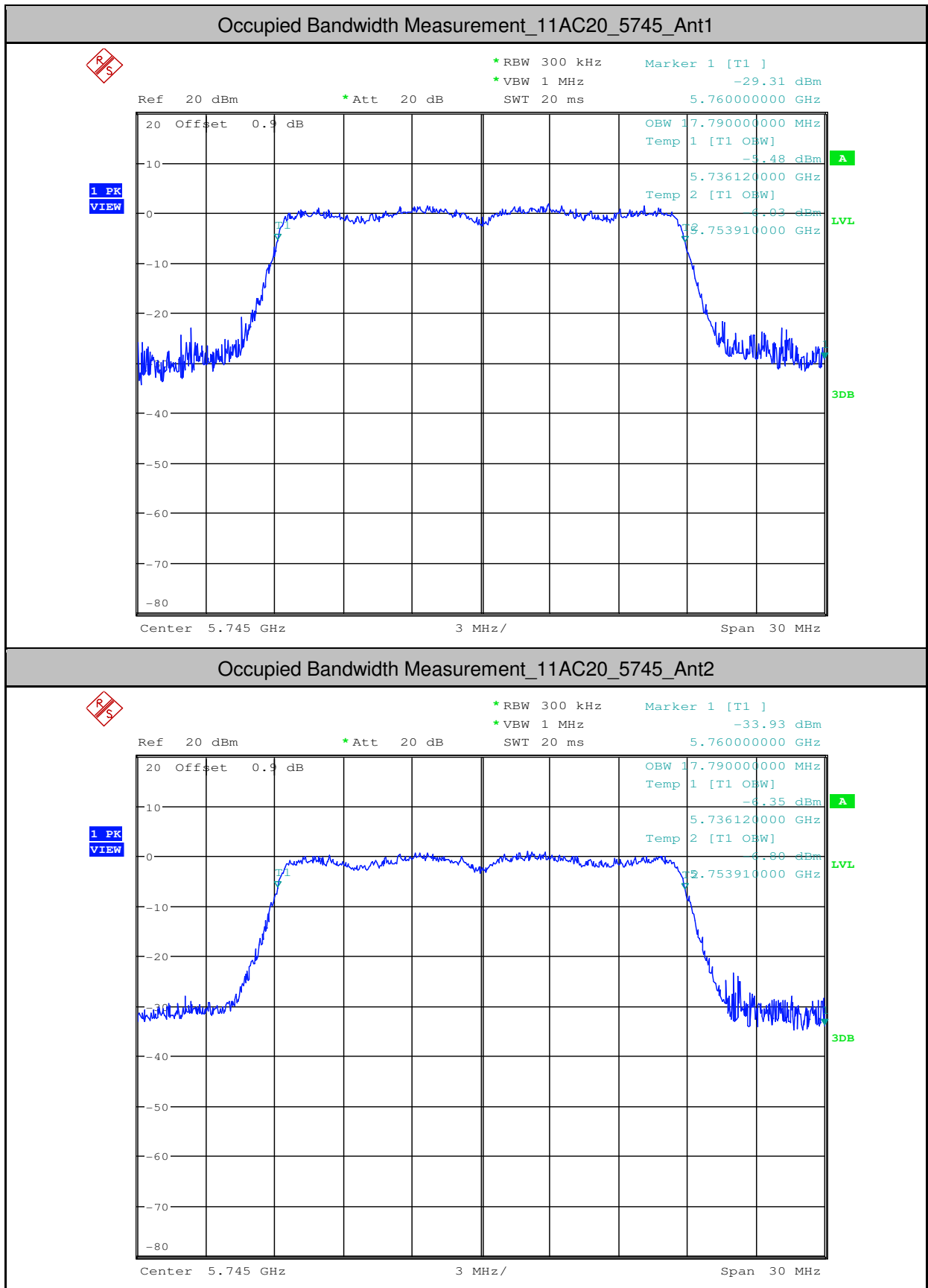
3 MHz/

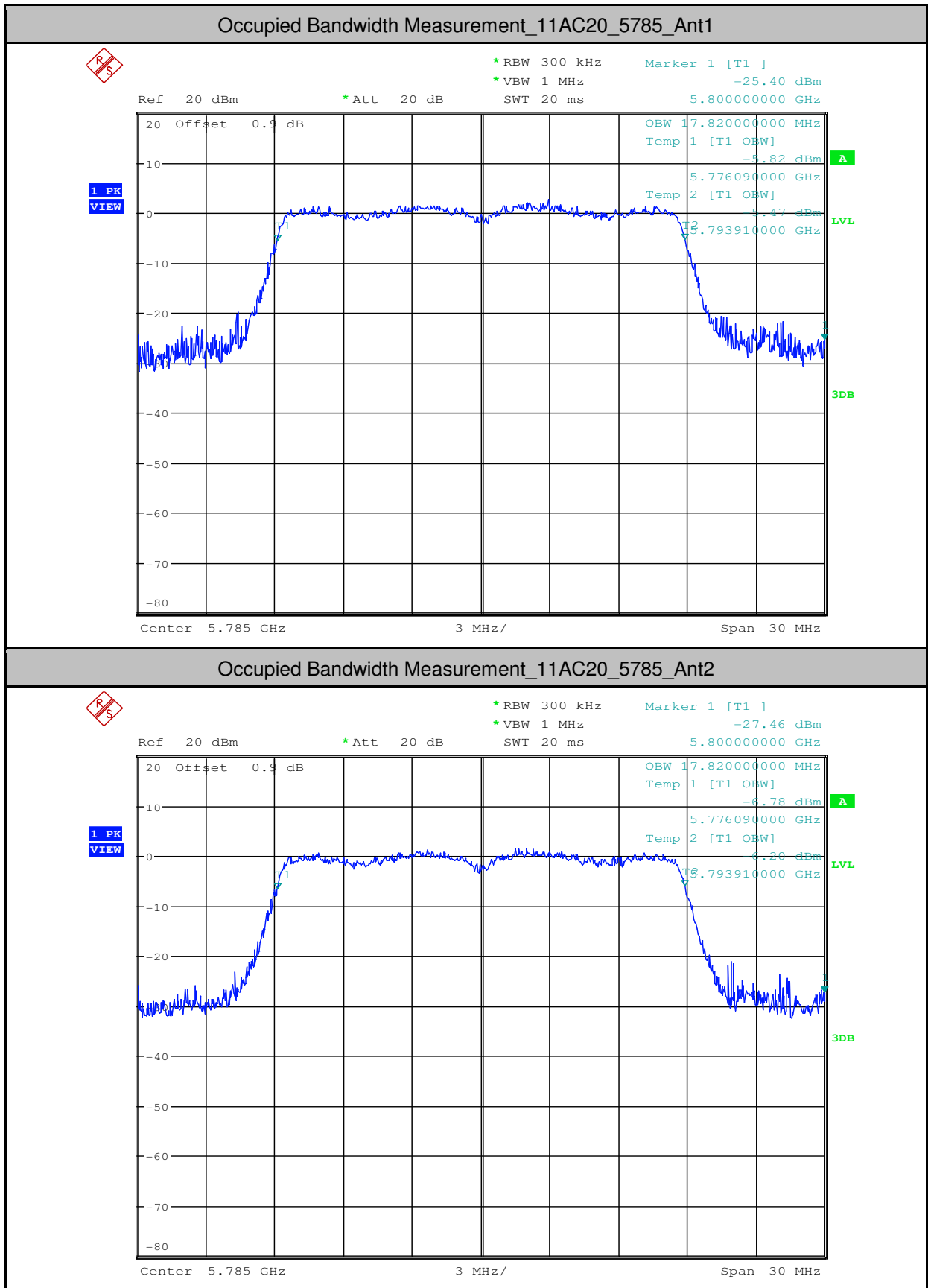
Span 30 MHz

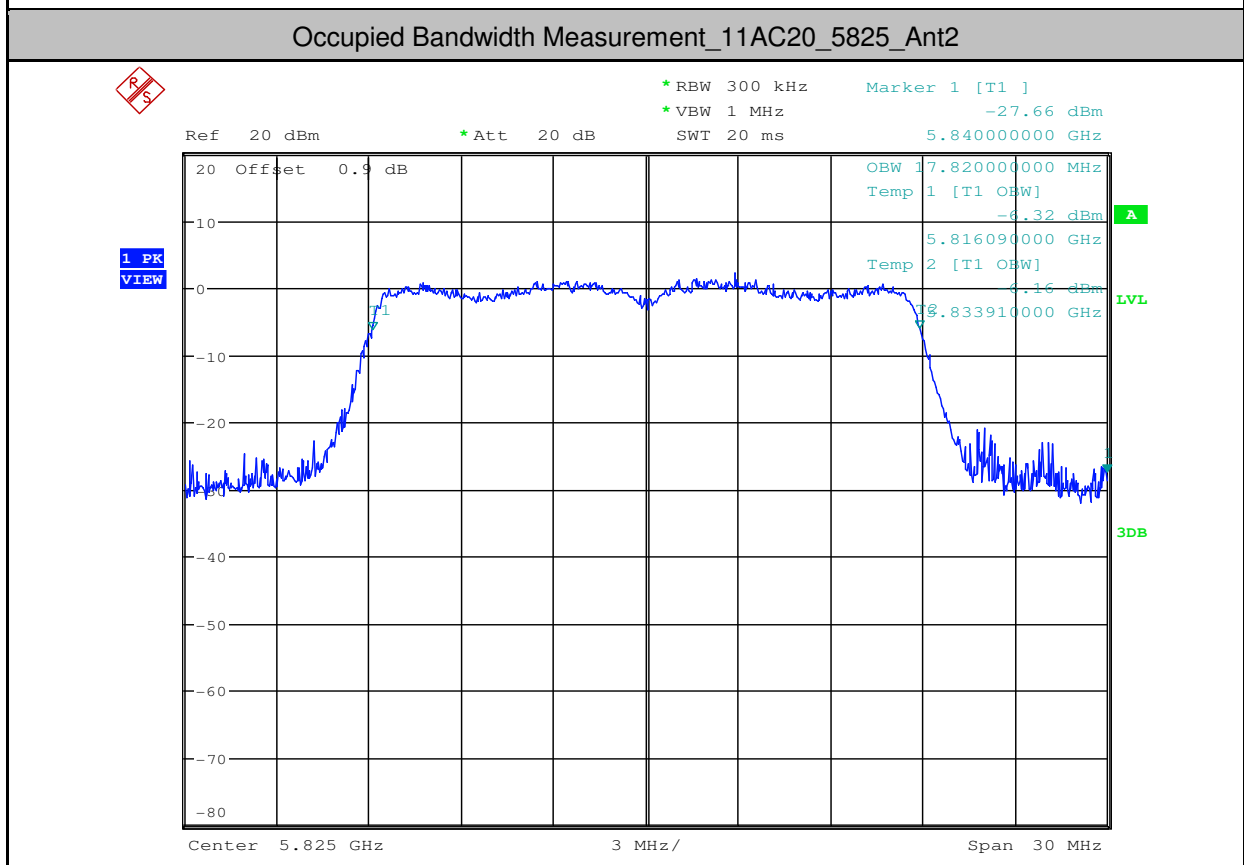
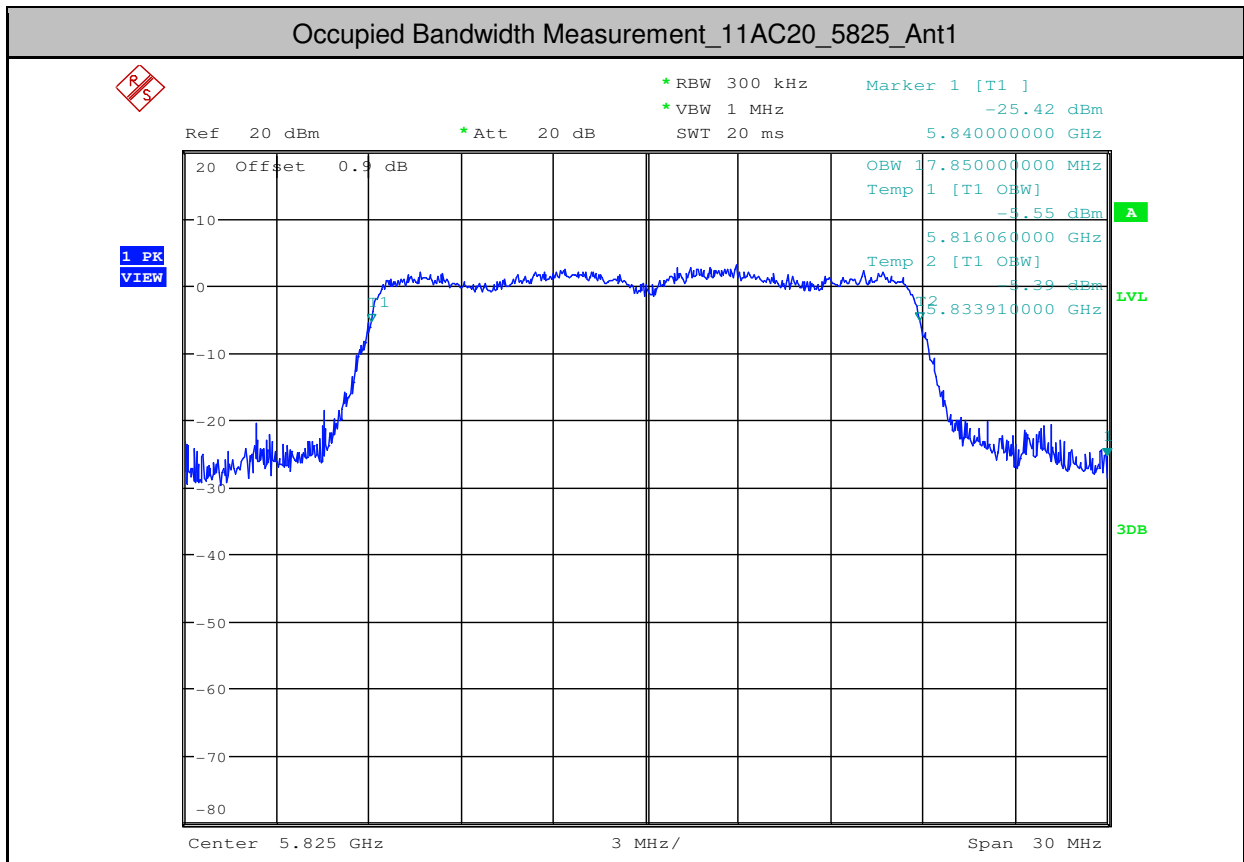
A

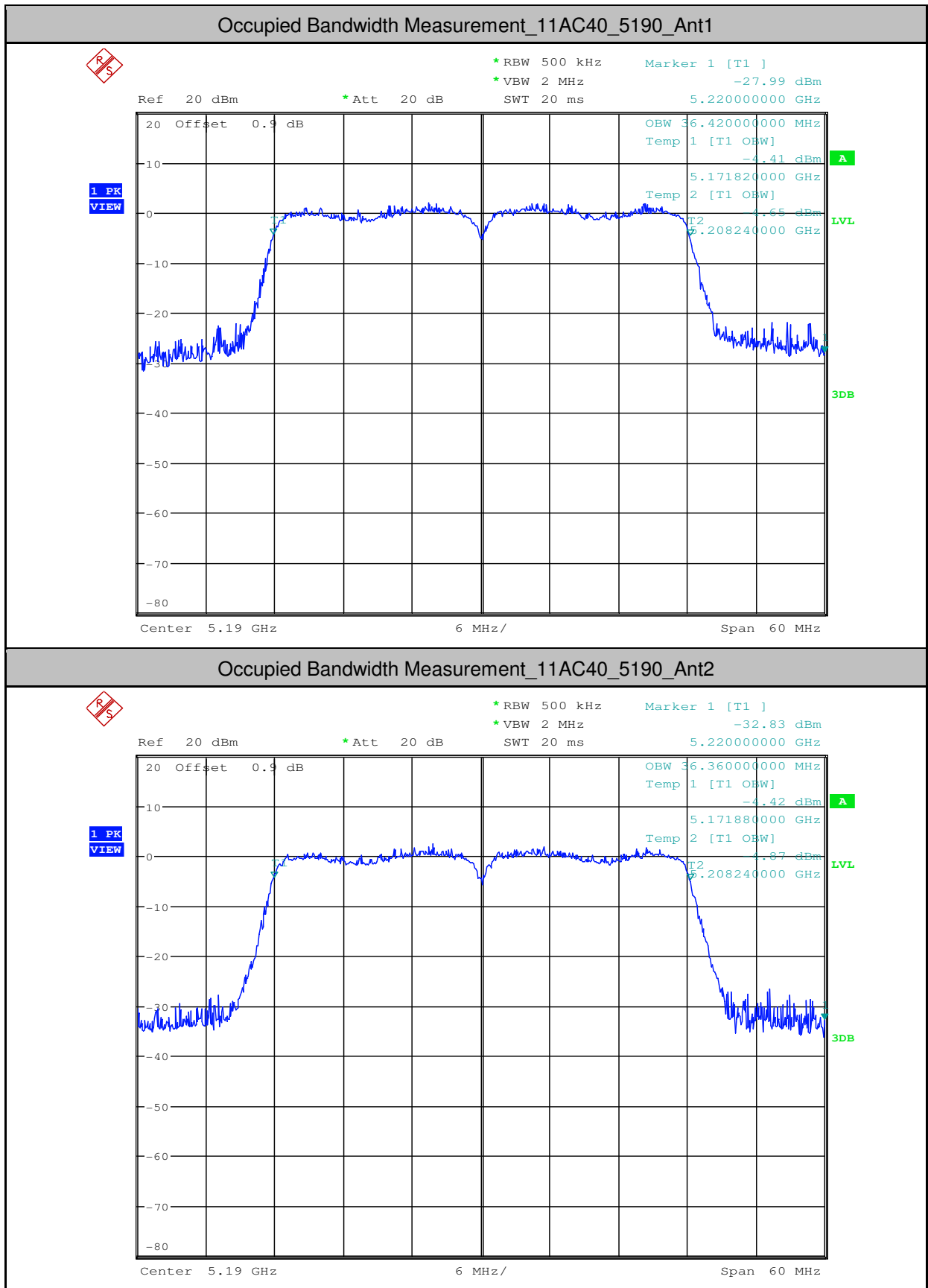
LVL

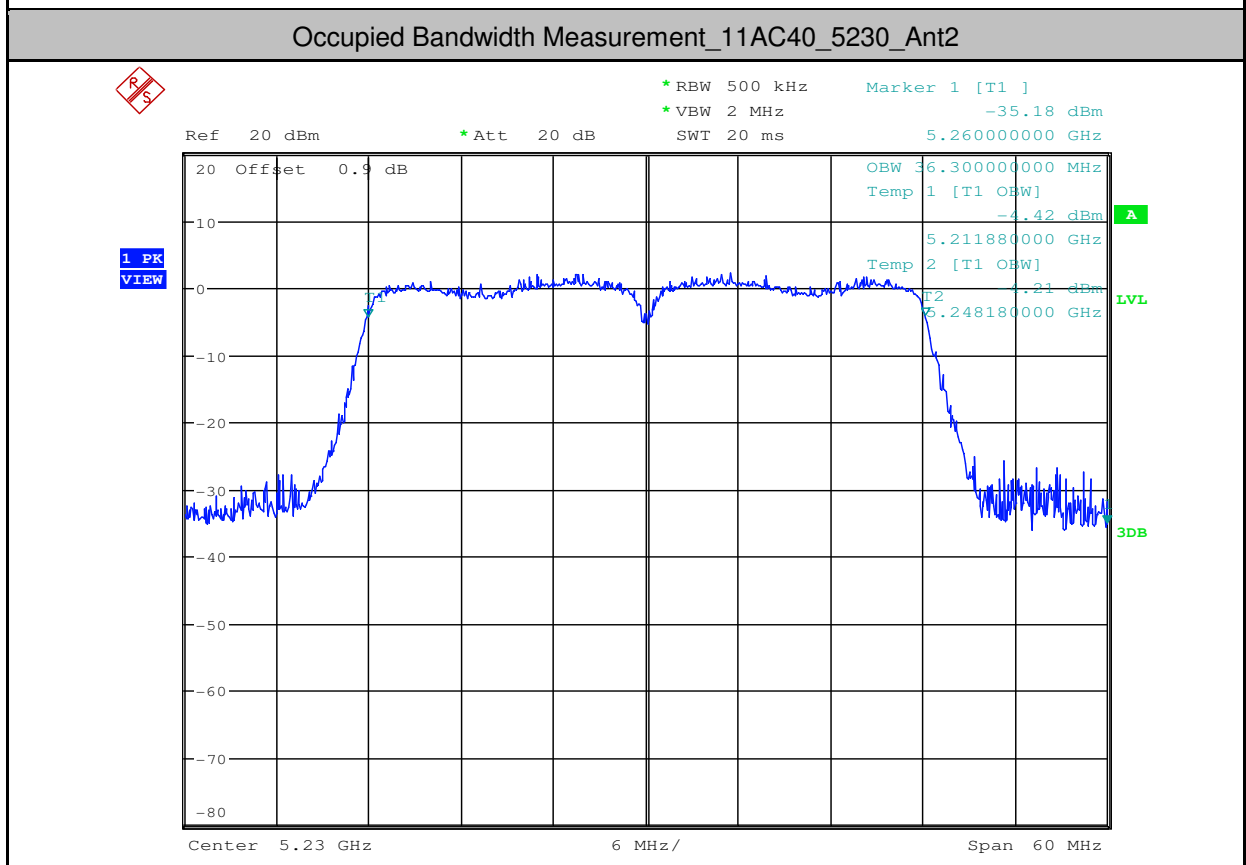
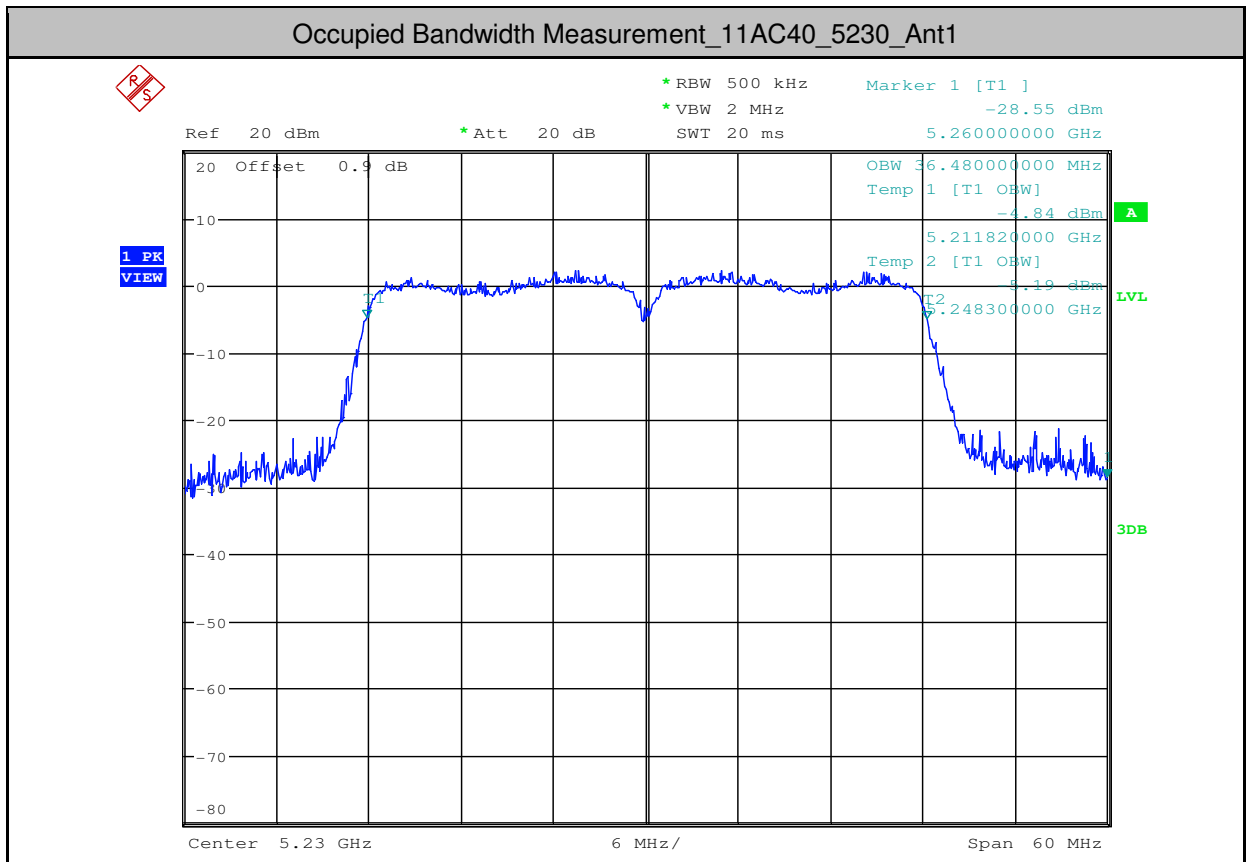
3DB

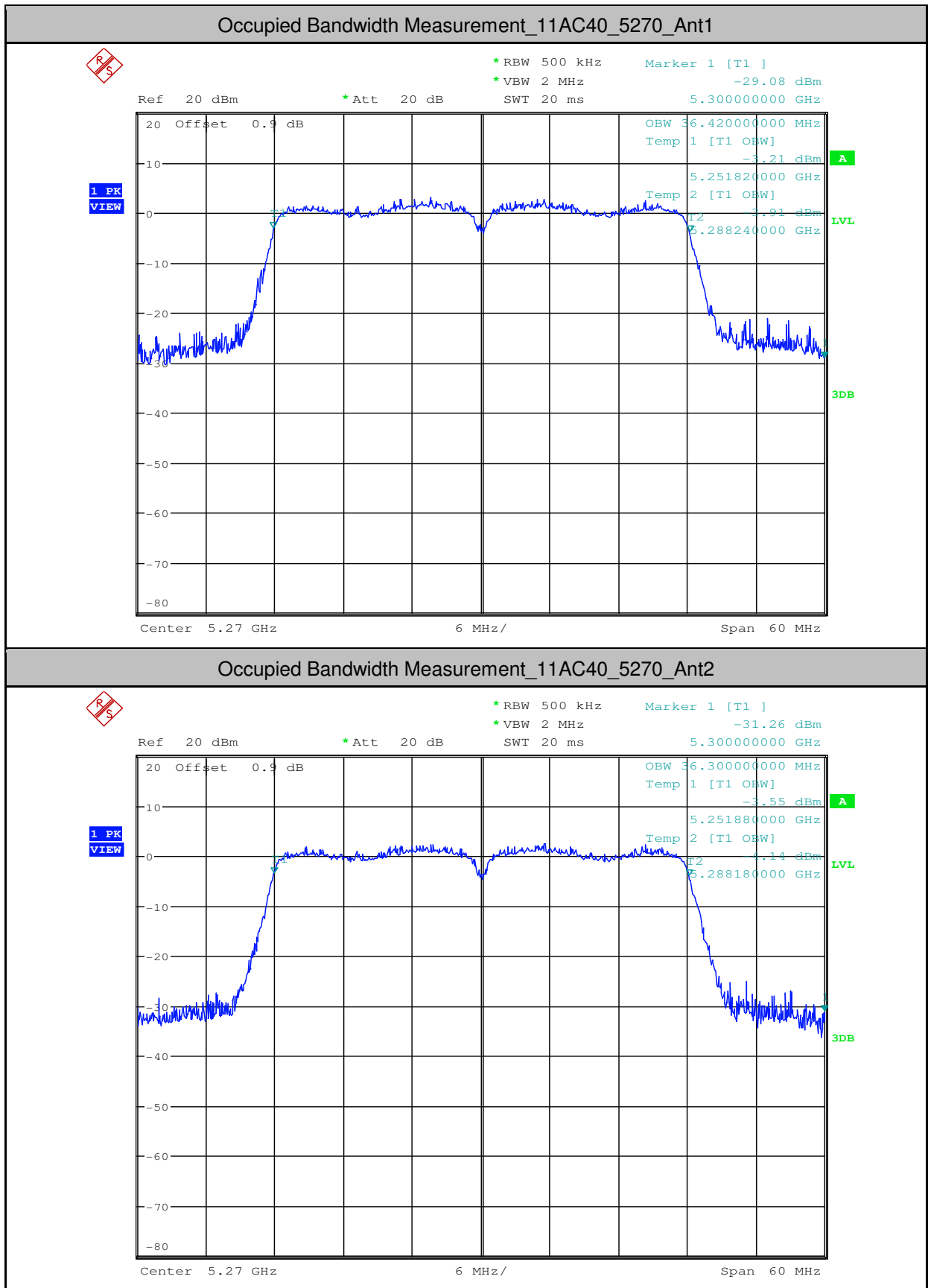


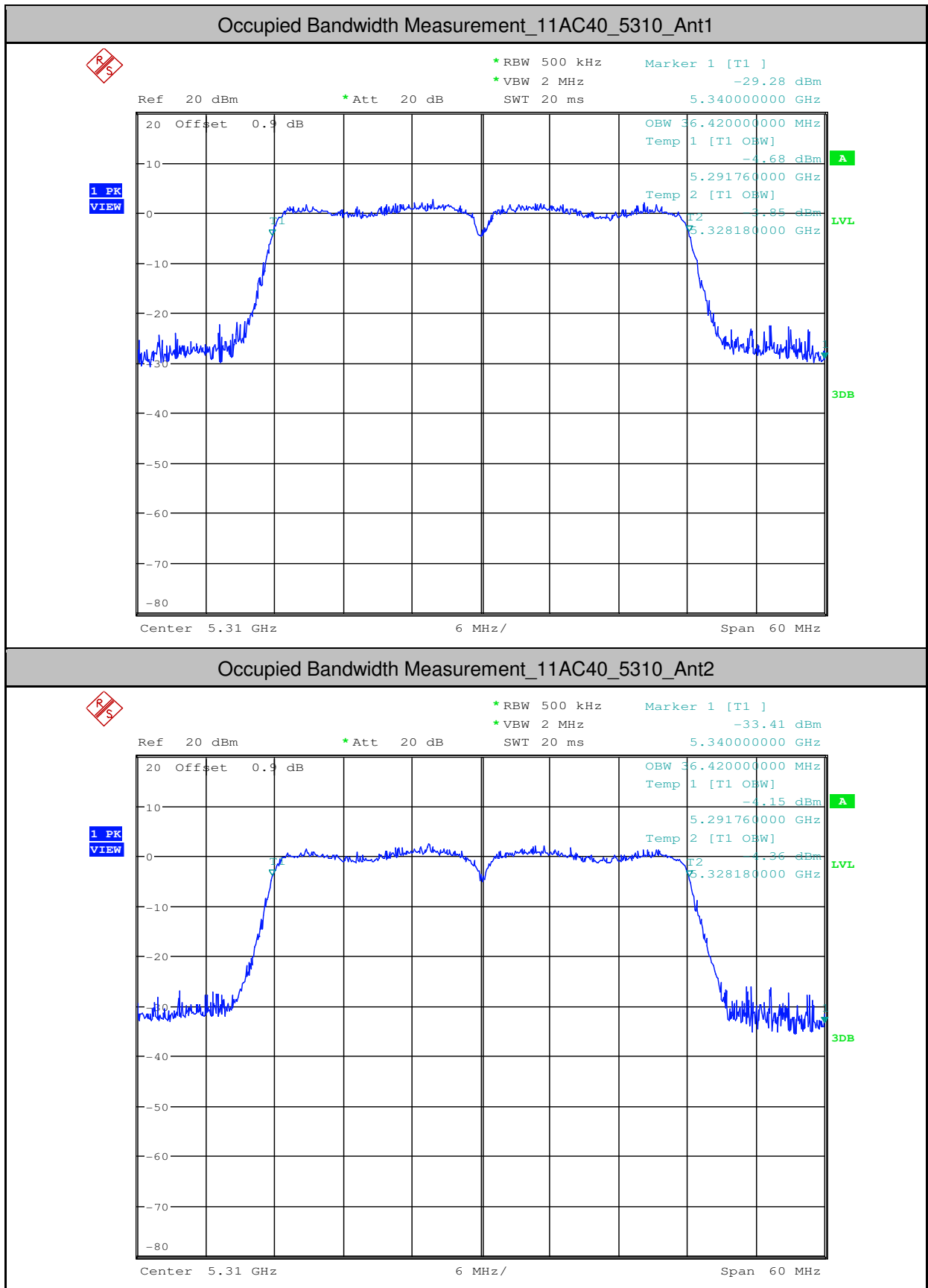


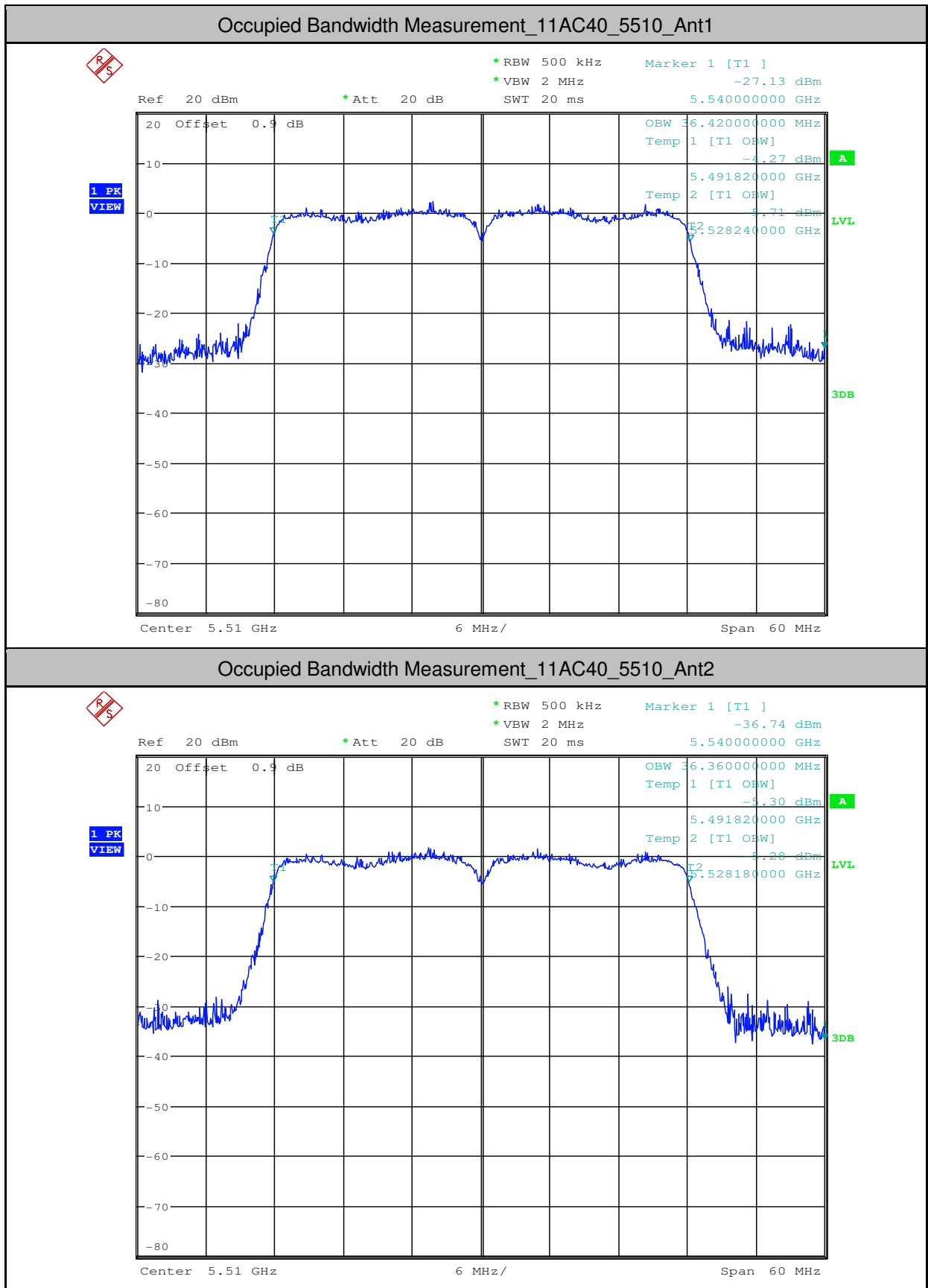


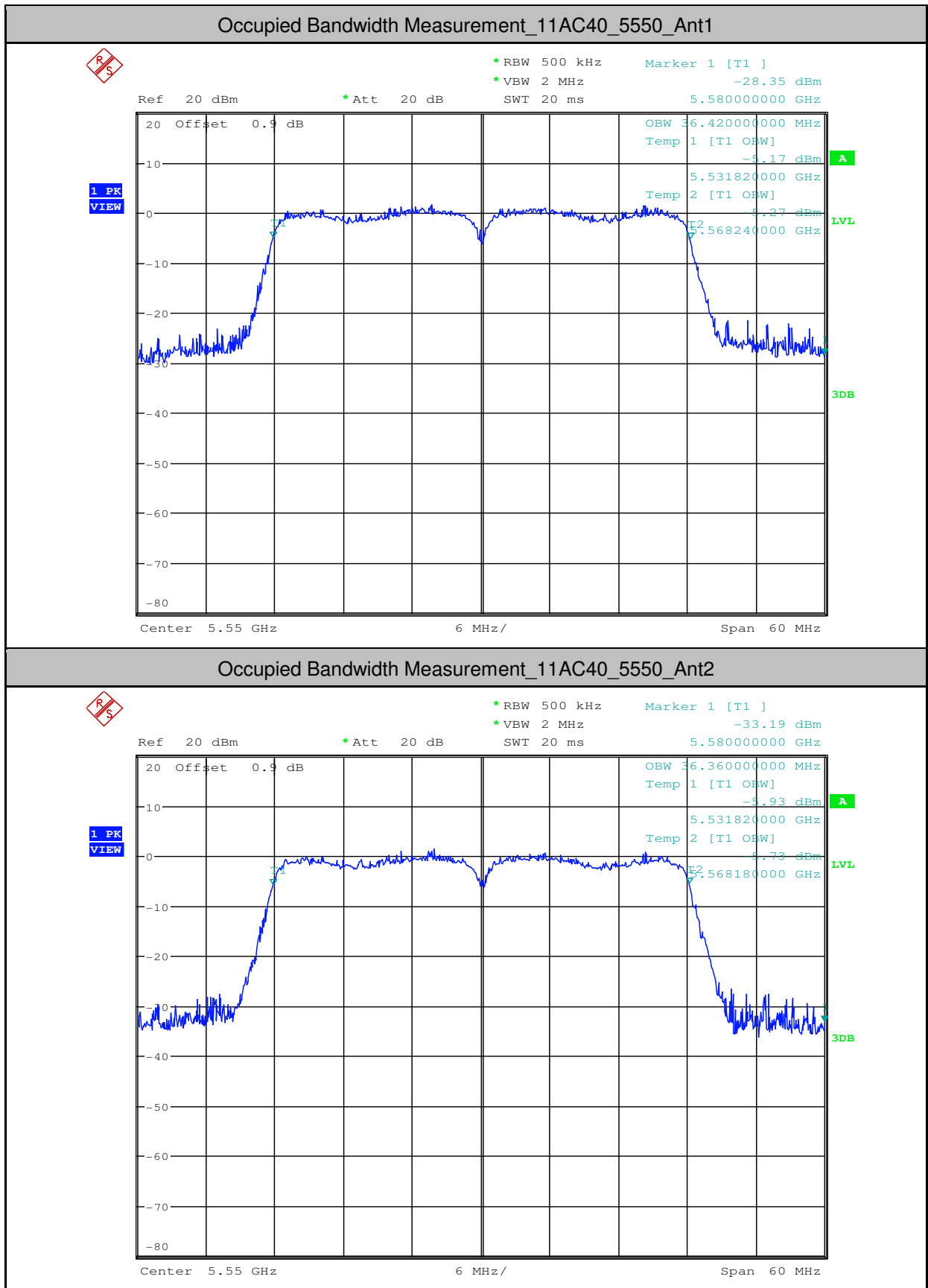


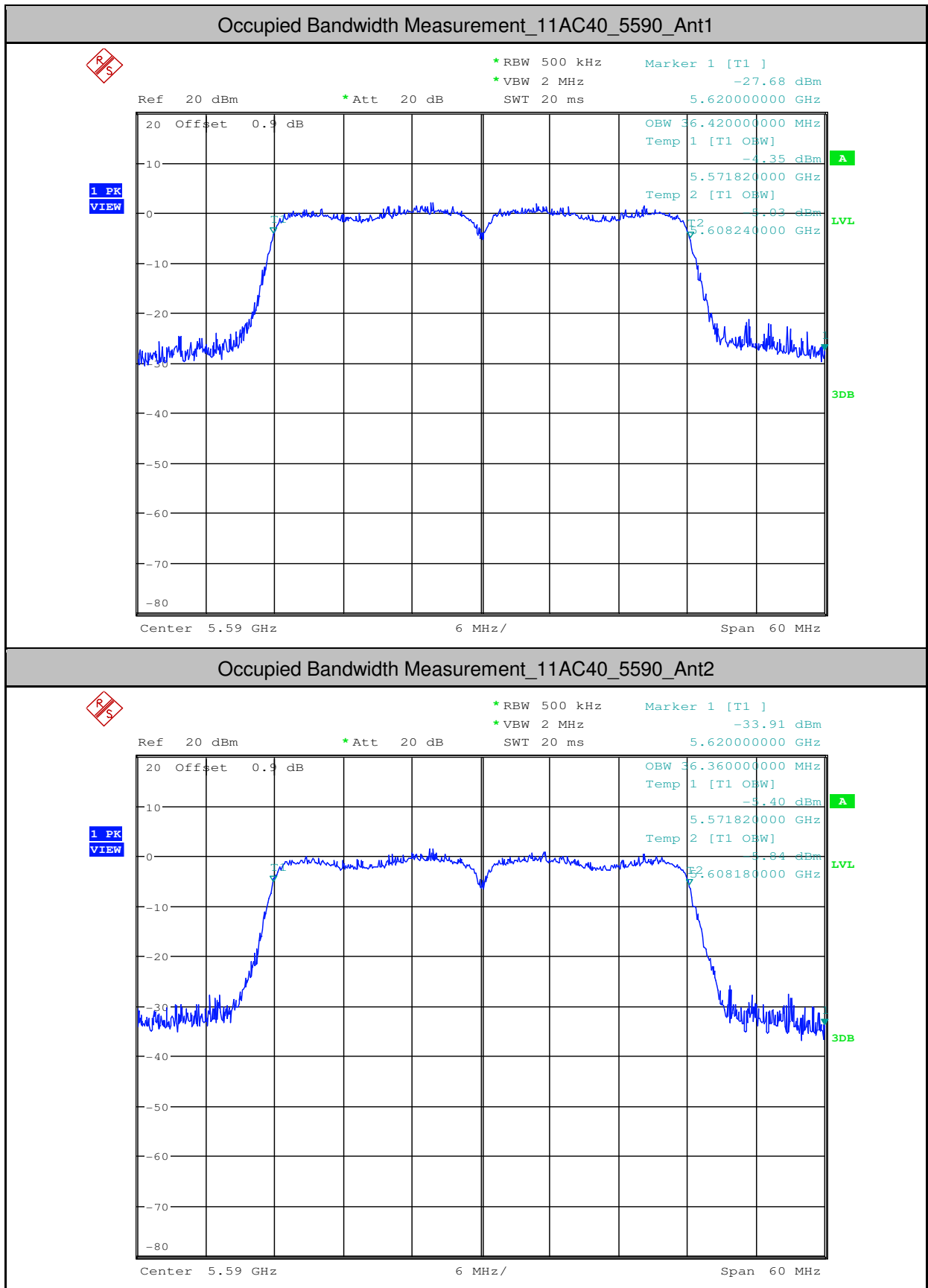


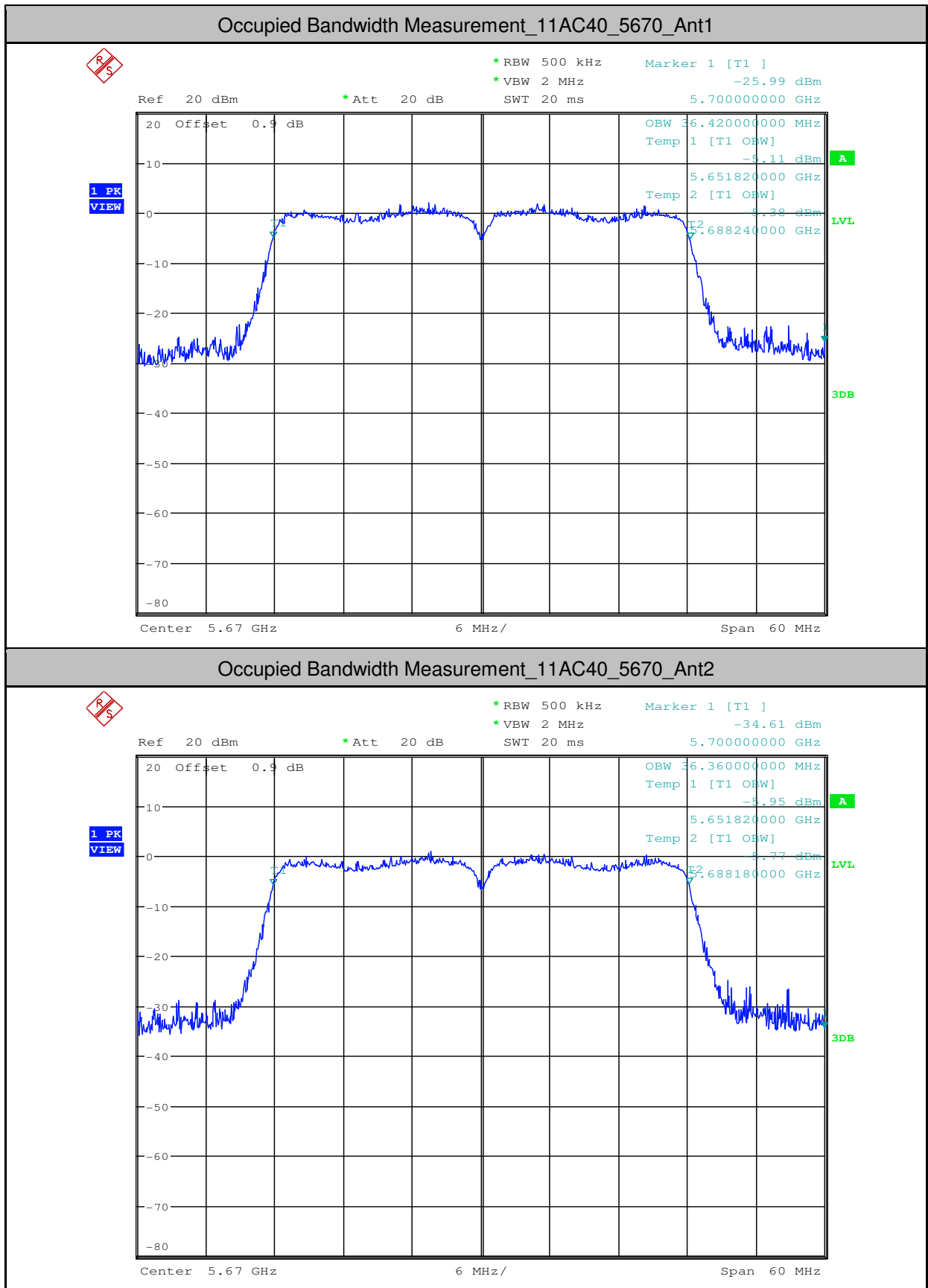












1 PK
VIEW

Ref 20 dBm *Att 20 dB SWT 20 ms

Marker 1 [T1]
-34.61 dBm
5.700000000 GHz

Offset 0.9 dB

OBW 36.360000000 MHz
Temp 1 [T1 OBW]
-8.95 dBm

A

5.651820000 GHz
Temp 2 [T1 OBW]
-8.77 dBm

LVL

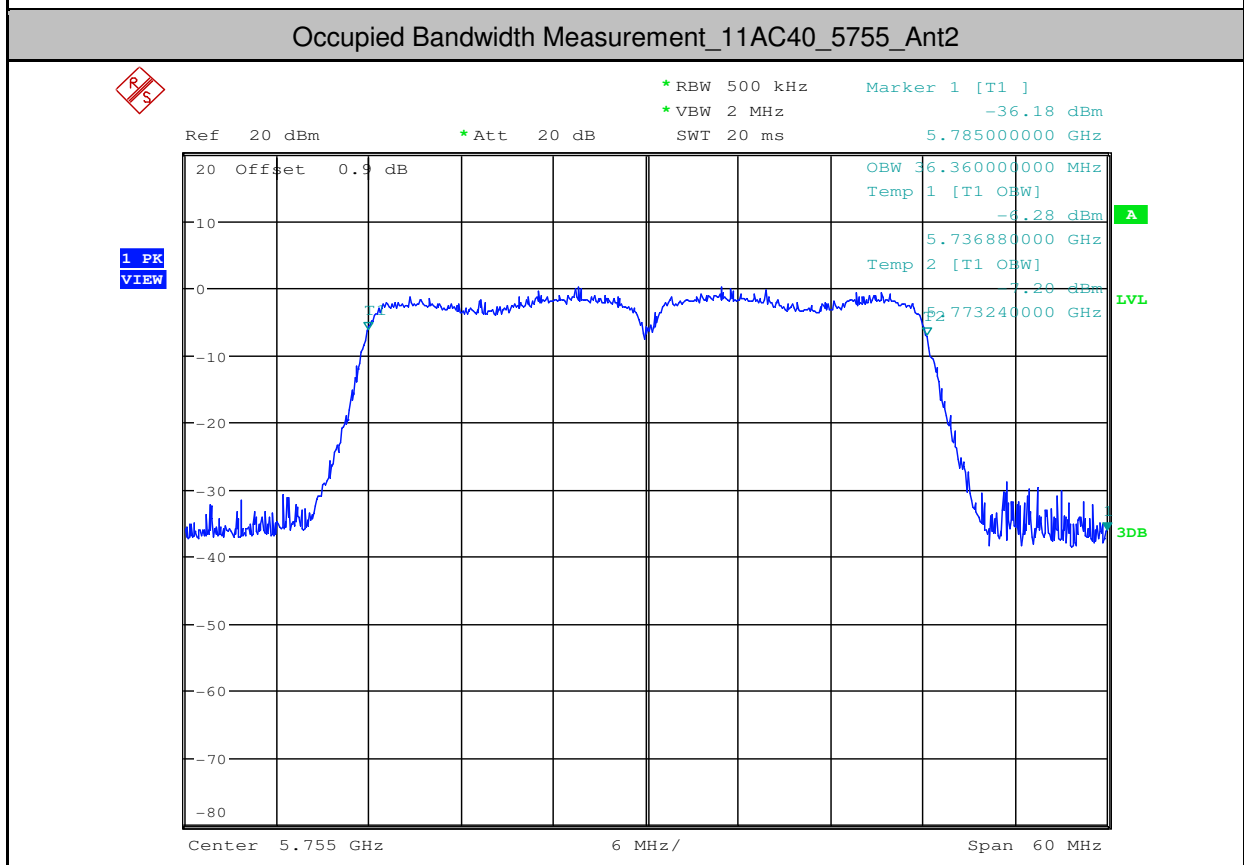
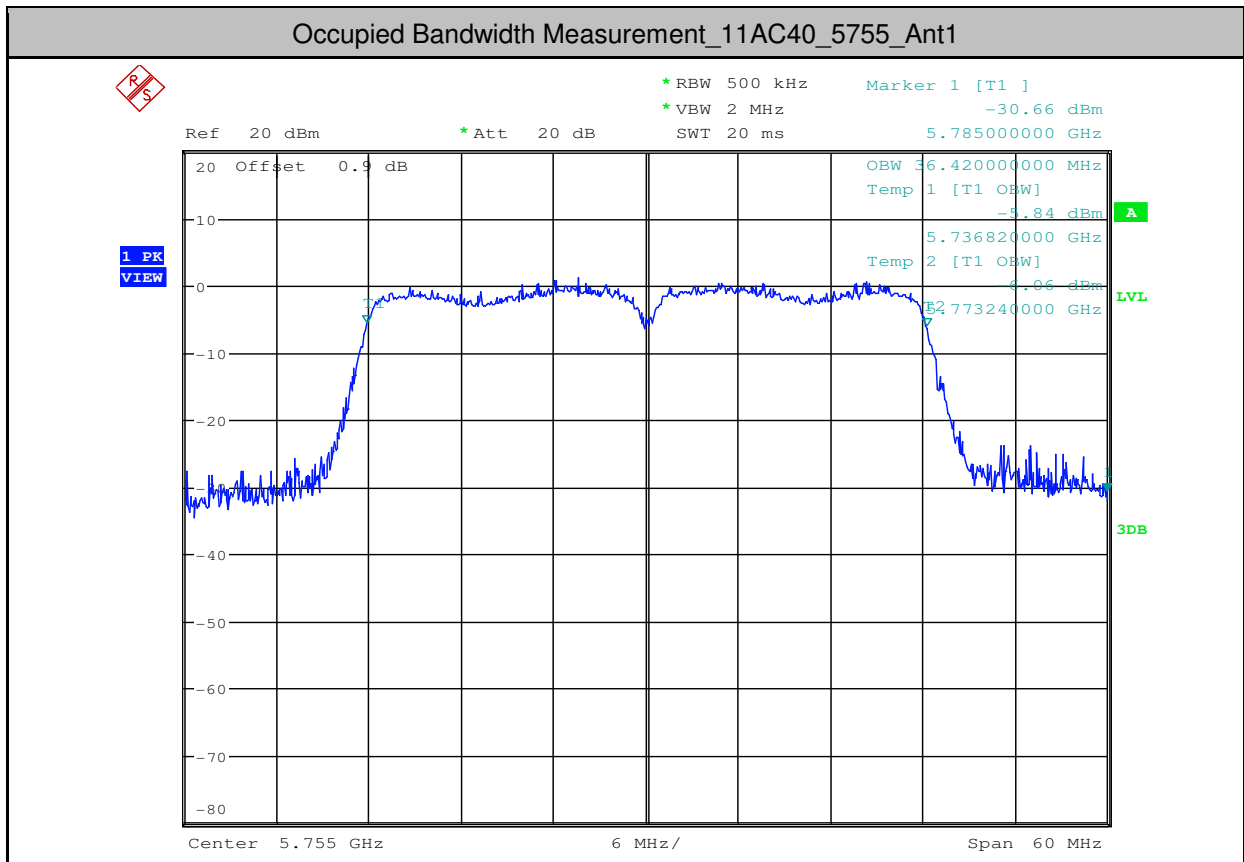
5.688180000 GHz

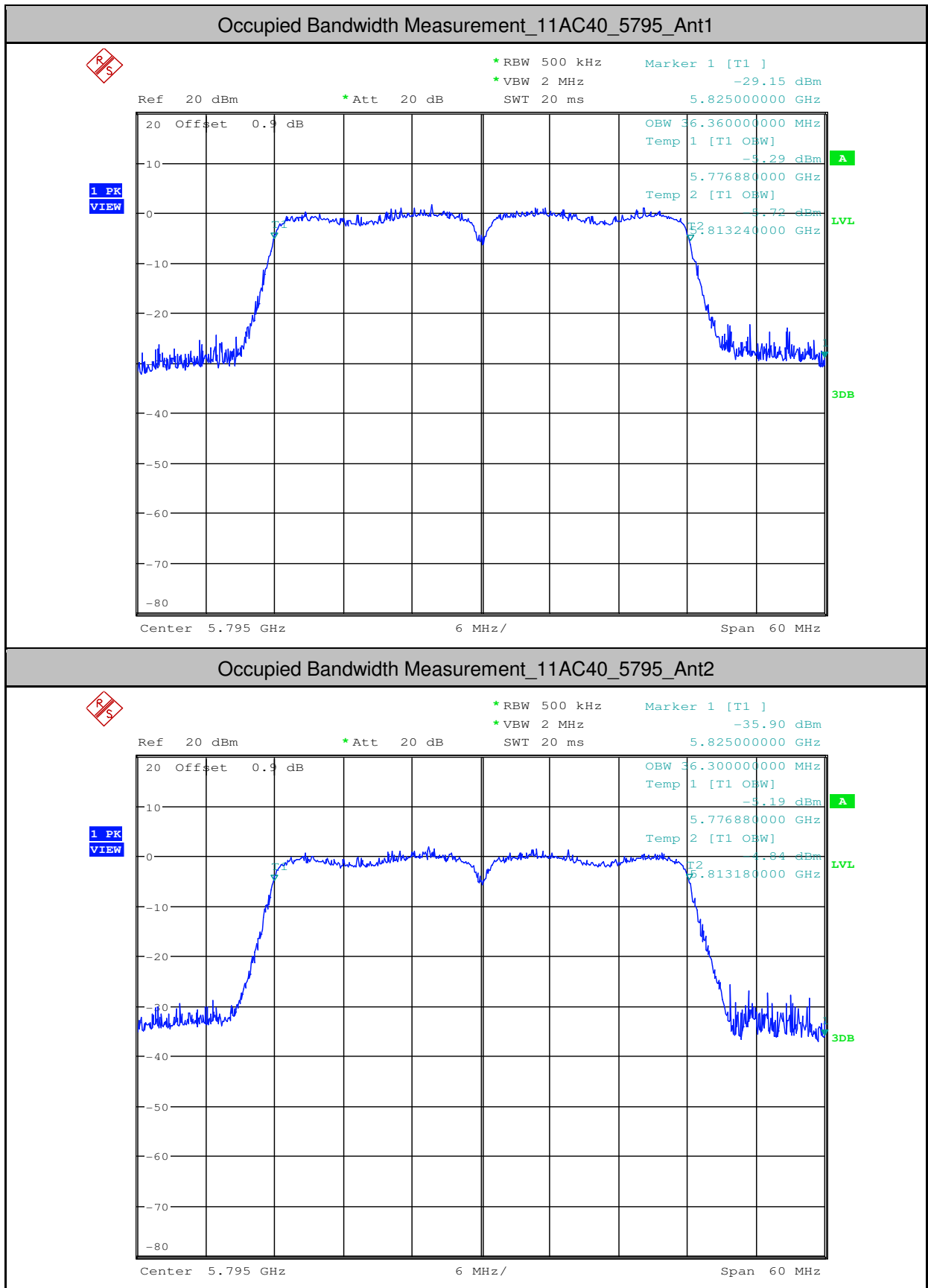
3DB

Center 5.67 GHz

6 MHz/

Span 60 MHz







1 PK

VIEW

*RBW 500 kHz

*VBW 2 MHz

SWT 20 ms

Marker 1 [T1]
-35.90 dBm
5.825000000 GHz

Ref 20 dBm *Att 20 dB

20 Offset 0.9 dB

OBW 36.300000000 MHz

Temp 1 [T1 OBW]

-5.19 dBm

5.776880000 GHz

Temp 2 [T1 OBW]

-5.84 dBm

5.813180000 GHz

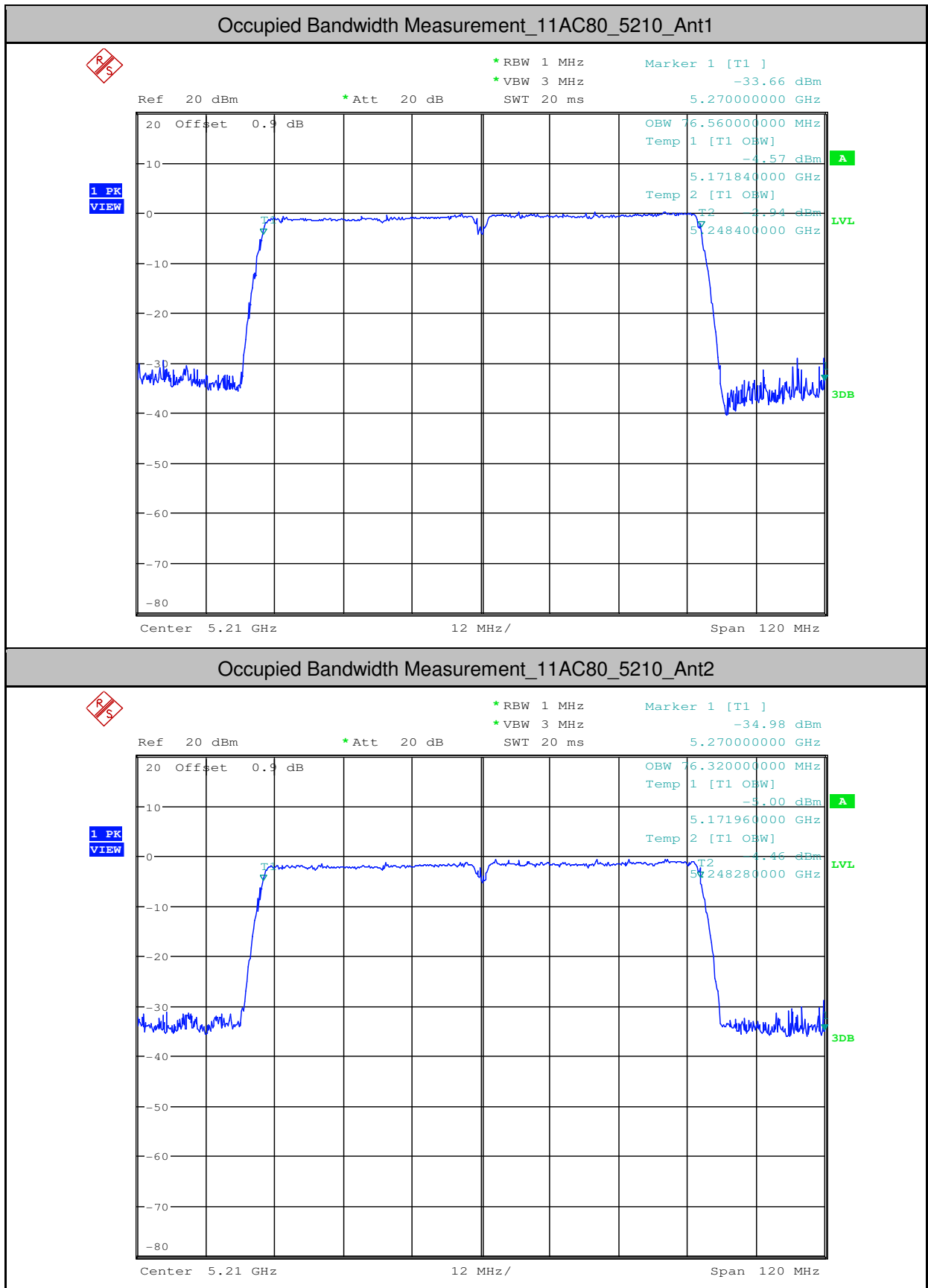
3DB

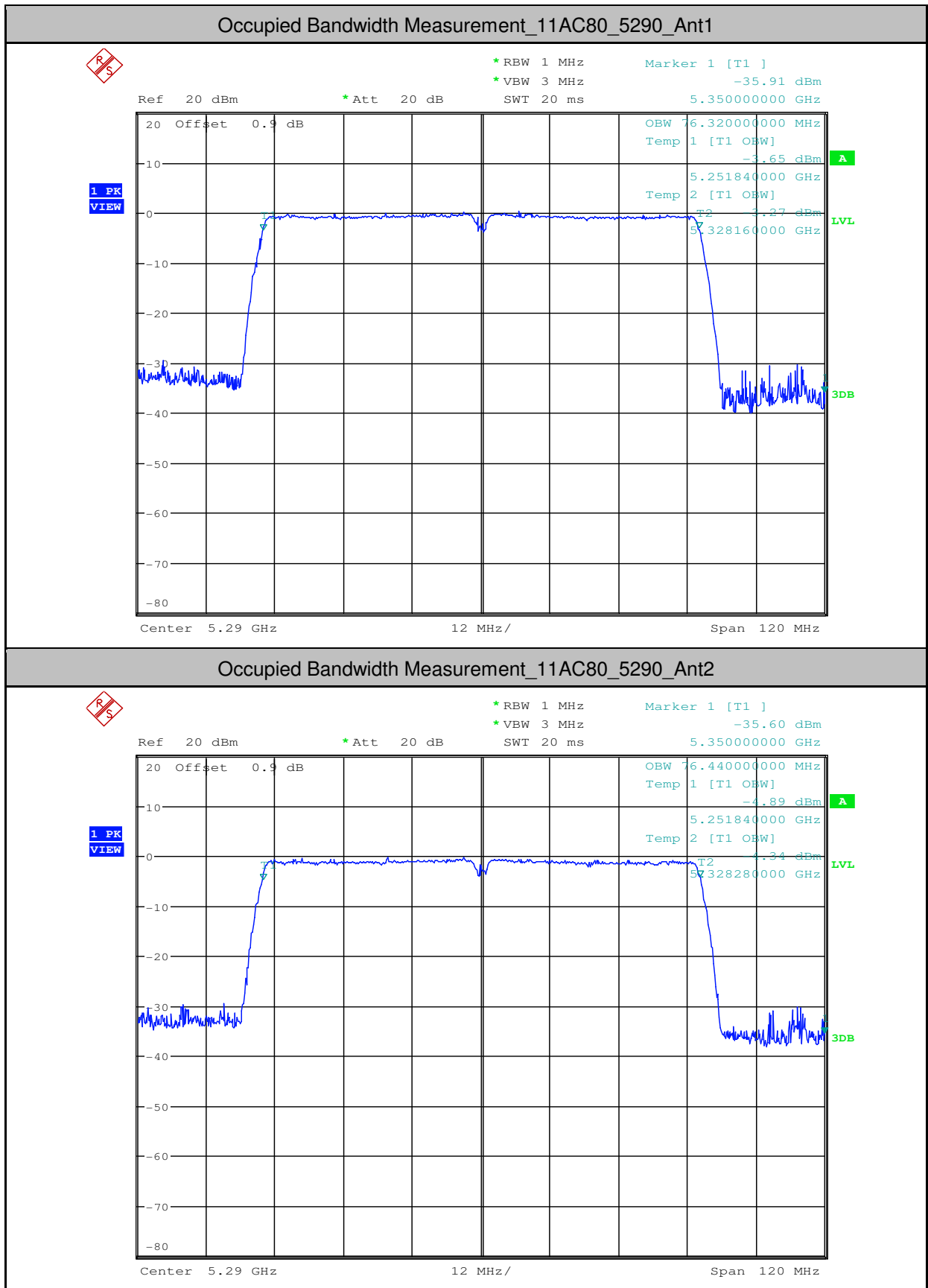
LVL

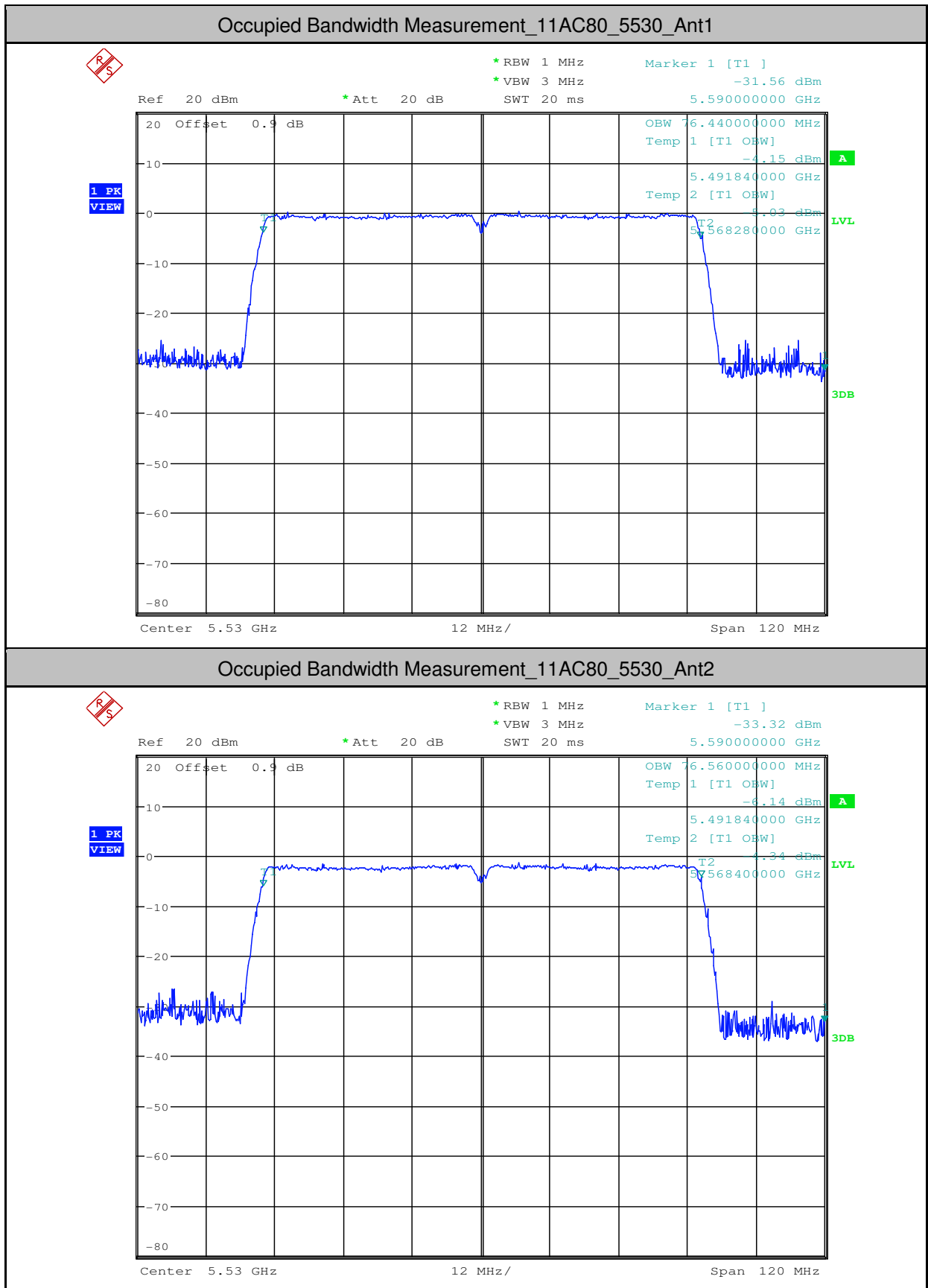
Center 5.795 GHz

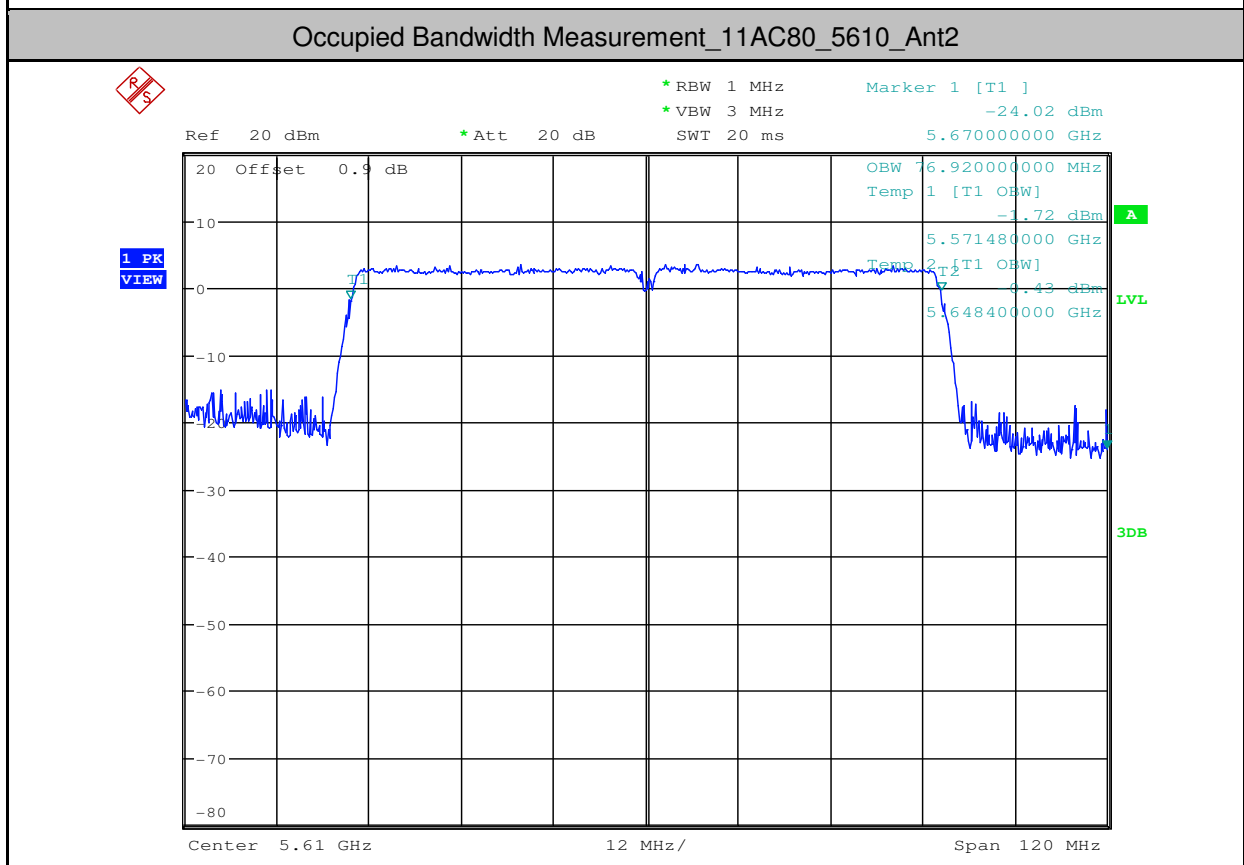
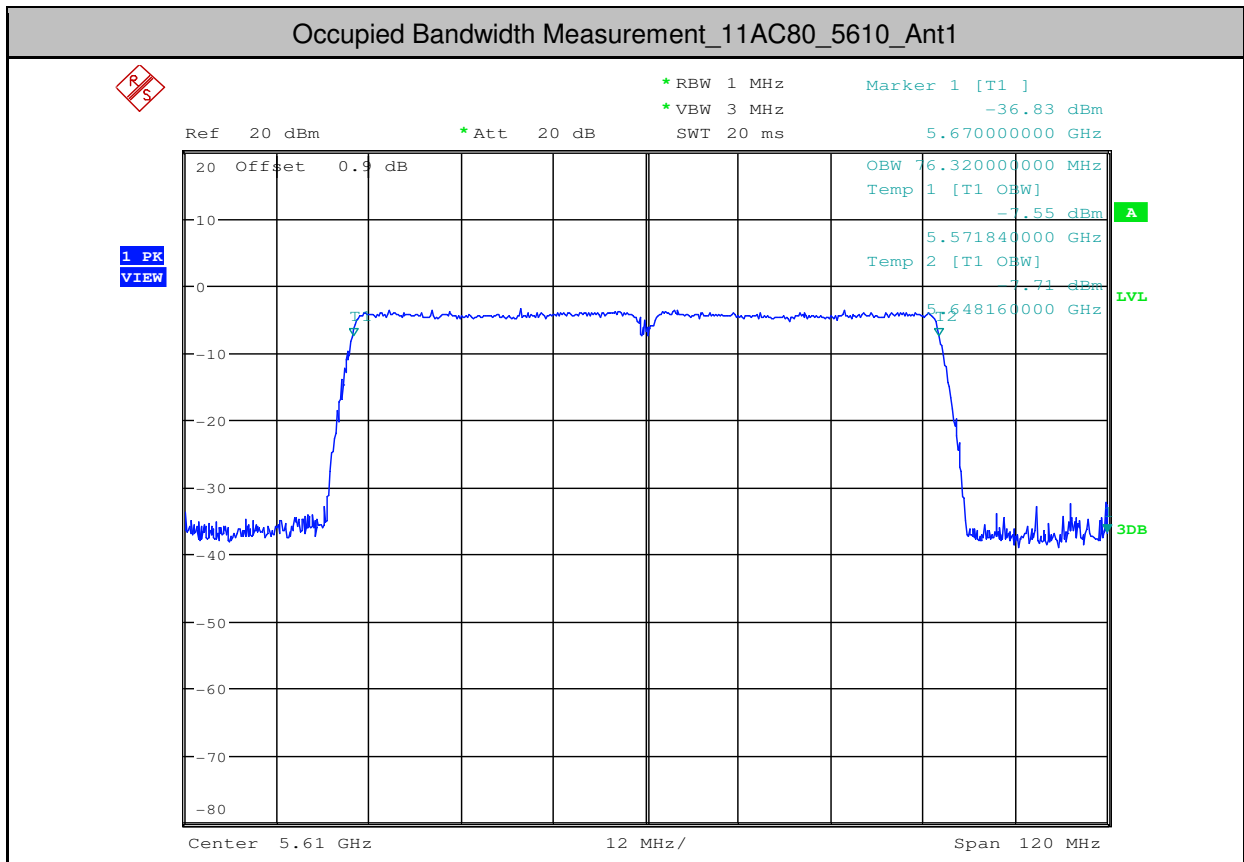
6 MHz/

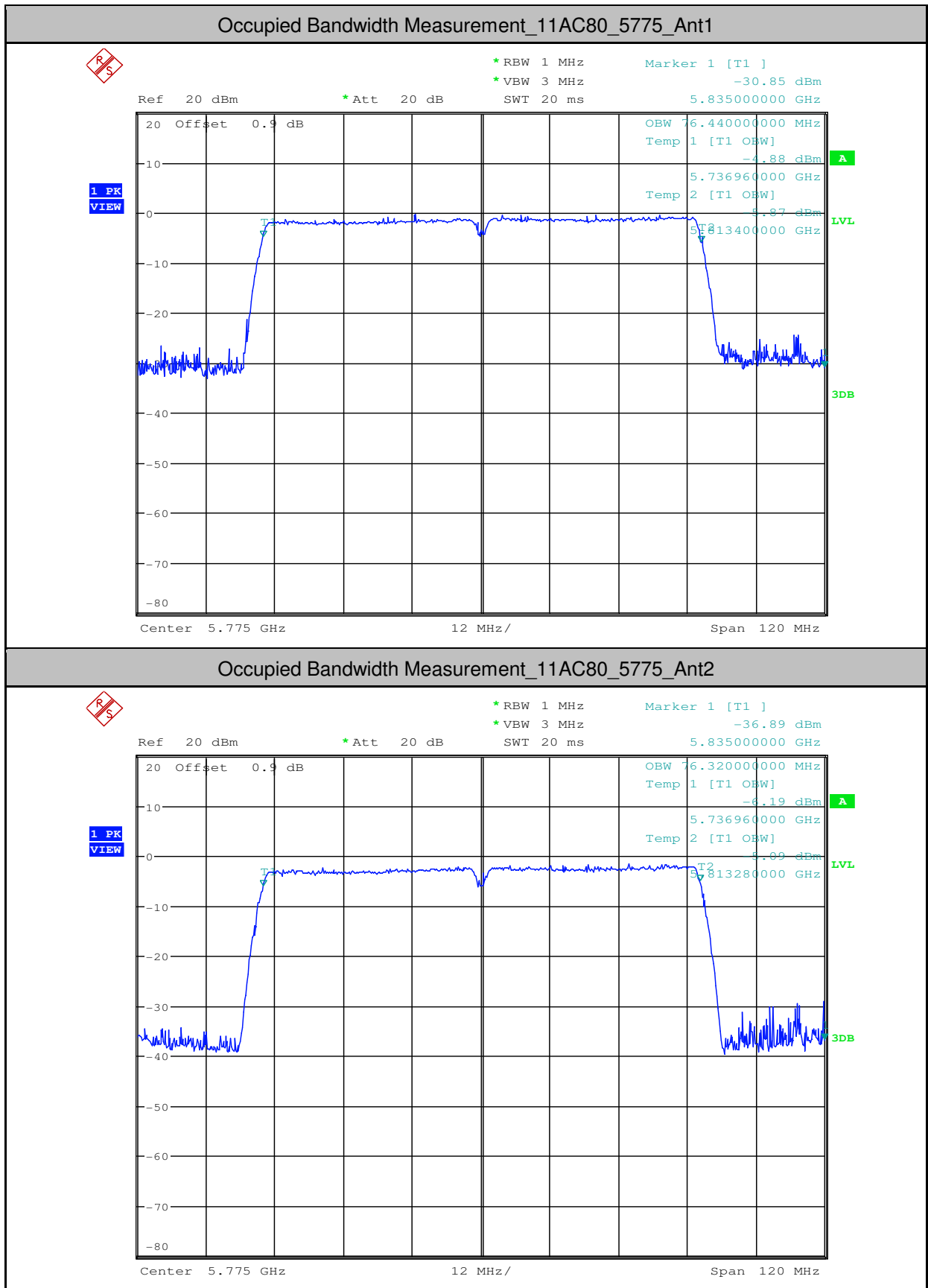
Span 60 MHz













3.Maximum Conduct Output Power

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor [dB]	Power [dBm]	Limit [dBm]	Verdict
11A	5180	Ant1	11.37	0	11.37	<23.98	PASS
11A	5180	Ant2	11.31	0	11.31	<23.98	PASS
11A	5200	Ant1	11.58	0	11.58	<23.98	PASS
11A	5200	Ant2	11.32	0	11.32	<23.98	PASS
11A	5240	Ant1	11.94	0	11.94	<23.98	PASS
11A	5240	Ant2	11.67	0	11.67	<23.98	PASS
11A	5260	Ant1	12.17	0	12.17	<23.98	PASS
11A	5260	Ant2	11.82	0	11.82	<23.98	PASS
11A	5300	Ant1	11.95	0	11.95	<23.98	PASS
11A	5300	Ant2	11.68	0	11.68	<23.98	PASS
11A	5320	Ant1	11.84	0	11.84	<23.98	PASS
11A	5320	Ant2	11.47	0	11.47	<23.98	PASS
11A	5500	Ant1	11.1	0	11.10	<23.98	PASS
11A	5500	Ant2	10.73	0	10.73	<23.98	PASS
11A	5580	Ant1	11.17	0	11.17	<23.98	PASS
11A	5580	Ant2	10.42	0	10.42	<23.98	PASS
11A	5600	Ant1	10.94	0	10.94	<23.98	PASS
11A	5600	Ant2	10.19	0	10.19	<23.98	PASS
11A	5700	Ant1	10.93	0	10.93	<23.98	PASS
11A	5700	Ant2	9.9	0	9.90	<23.98	PASS
11A	5745	Ant1	10.02	0	10.02	<30.00	PASS
11A	5745	Ant2	8.97	0	8.97	<30.00	PASS
11A	5785	Ant1	10.51	0	10.51	<30.00	PASS
11A	5785	Ant2	9.5	0	9.50	<30.00	PASS
11A	5825	Ant1	10.83	0	10.83	<30.00	PASS
11A	5825	Ant2	9.65	0	9.65	<30.00	PASS
11N20	5180	Ant1	11.27	0	11.27	<23.98	PASS
11N20	5180	Ant2	10.42	0	10.42	<23.98	PASS
11N20	5200	Ant1	11.49	0	11.49	<23.98	PASS
11N20	5200	Ant2	10.79	0	10.79	<23.98	PASS
11N20	5240	Ant1	11.9	0	11.90	<23.98	PASS



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11N20	5240	Ant2	11.85	0	11.85	<23.98	PASS
11N20	5260	Ant1	12.11	0	12.11	<23.98	PASS
11N20	5260	Ant2	11.99	0	11.99	<23.98	PASS
11N20	5300	Ant1	11.8	0	11.80	<23.98	PASS
11N20	5300	Ant2	11.88	0	11.88	<23.98	PASS
11N20	5320	Ant1	11.7	0	11.70	<23.98	PASS
11N20	5320	Ant2	11.72	0	11.72	<23.98	PASS
11N20	5500	Ant1	11.02	0	11.02	<23.98	PASS
11N20	5500	Ant2	11.04	0	11.04	<23.98	PASS
11N20	5580	Ant1	11.22	0	11.22	<23.98	PASS
11N20	5580	Ant2	11.02	0	11.02	<23.98	PASS
11N20	5600	Ant1	11.04	0	11.04	<23.98	PASS
11N20	5600	Ant2	10.86	0	10.86	<23.98	PASS
11N20	5700	Ant1	10.9	0	10.90	<23.98	PASS
11N20	5700	Ant2	10.71	0	10.71	<23.98	PASS
11N20	5745	Ant1	10.14	0	10.14	<30.00	PASS
11N20	5745	Ant2	10.1	0	10.10	<30.00	PASS
11N20	5785	Ant1	10.6	0	10.6	<30.00	PASS
11N20	5785	Ant2	10.51	0	10.51	<30.00	PASS
11N20	5825	Ant1	10.99	0	10.99	<30.00	PASS
11N20	5825	Ant2	10.89	0	10.89	<30.00	PASS
11N40	5190	Ant1	10.54	0	10.54	<23.98	PASS
11N40	5190	Ant2	10.55	0	10.55	<23.98	PASS
11N40	5230	Ant1	11.11	0	11.11	<23.98	PASS
11N40	5230	Ant2	11.05	0	11.05	<23.98	PASS
11N40	5270	Ant1	11.46	0	11.46	<23.98	PASS
11N40	5270	Ant2	11.44	0	11.44	<23.98	PASS
11N40	5310	Ant1	11.08	0	11.08	<23.98	PASS
11N40	5310	Ant2	11.2	0	11.20	<23.98	PASS
11N40	5510	Ant1	10.3	0	10.30	<23.98	PASS
11N40	5510	Ant2	10.5	0	10.50	<23.98	PASS
11N40	5550	Ant1	10.43	0	10.43	<23.98	PASS
11N40	5550	Ant2	10.42	0	10.42	<23.98	PASS
11N40	5590	Ant1	10.42	0	10.42	<23.98	PASS



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11N40	5590	Ant2	10.35	0	10.35	<23.98	PASS
11N40	5670	Ant1	10.29	0	10.29	<23.98	PASS
11N40	5670	Ant2	10.28	0	10.28	<23.98	PASS
11N40	5755	Ant1	9.55	0	9.55	<30.00	PASS
11N40	5755	Ant2	9.57	0	9.57	<30.00	PASS
11N40	5795	Ant1	10.04	0	10.04	<30.00	PASS
11N40	5795	Ant2	10.1	0	10.10	<30.00	PASS
11AC20	5180	Ant1	11.2	0	11.20	<23.98	PASS
11AC20	5180	Ant2	11.09	0	11.09	<23.98	PASS
11AC20	5200	Ant1	11.38	0	11.38	<23.98	PASS
11AC20	5200	Ant2	11.21	0	11.21	<23.98	PASS
11AC20	5240	Ant1	11.87	0	11.87	<23.98	PASS
11AC20	5240	Ant2	11.65	0	11.65	<23.98	PASS
11AC20	5260	Ant1	12.02	0	12.02	<23.98	PASS
11AC20	5260	Ant2	11.84	0	11.84	<23.98	PASS
11AC20	5300	Ant1	11.86	0	11.86	<23.98	PASS
11AC20	5300	Ant2	11.7	0	11.70	<23.98	PASS
11AC20	5320	Ant1	11.61	0	11.61	<23.98	PASS
11AC20	5320	Ant2	11.56	0	11.56	<23.98	PASS
11AC20	5500	Ant1	11.01	0	11.01	<23.98	PASS
11AC20	5500	Ant2	10.75	0	10.75	<23.98	PASS
11AC20	5580	Ant1	11	0	11.00	<23.98	PASS
11AC20	5580	Ant2	10.38	0	10.38	<23.98	PASS
11AC20	5600	Ant1	11.05	0	11.05	<23.98	PASS
11AC20	5600	Ant2	10.12	0	10.12	<23.98	PASS
11AC20	5700	Ant1	10.98	0	10.98	<23.98	PASS
11AC20	5700	Ant2	9.96	0	9.96	<23.98	PASS
11AC20	5745	Ant1	10.03	0	10.03	<30.00	PASS
11AC20	5745	Ant2	9.27	0	9.27	<30.00	PASS
11AC20	5785	Ant1	10.48	0	10.48	<30.00	PASS
11AC20	5785	Ant2	9.7	0	9.70	<30.00	PASS
11AC20	5825	Ant1	11.09	0	11.09	<30.00	PASS
11AC20	5825	Ant2	9.84	0	9.84	<30.00	PASS
11AC40	5190	Ant1	10.81	0	10.81	<23.98	PASS

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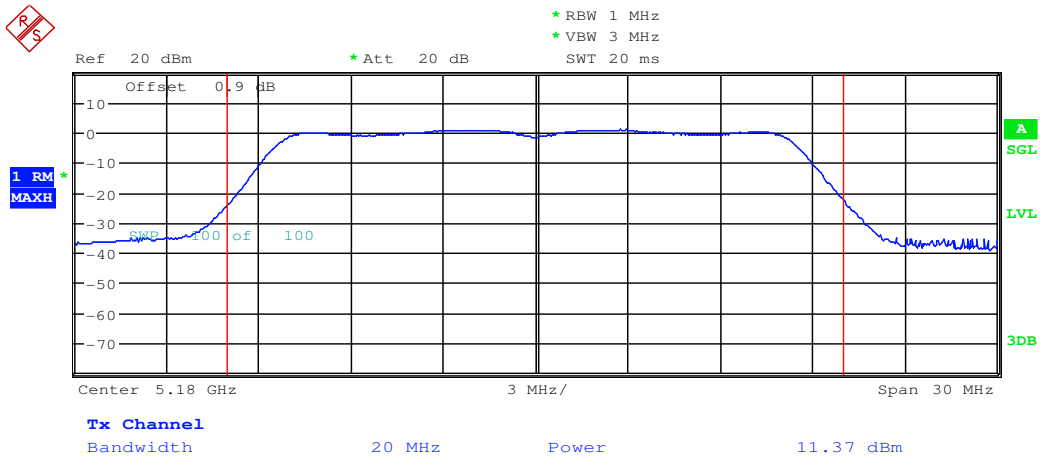
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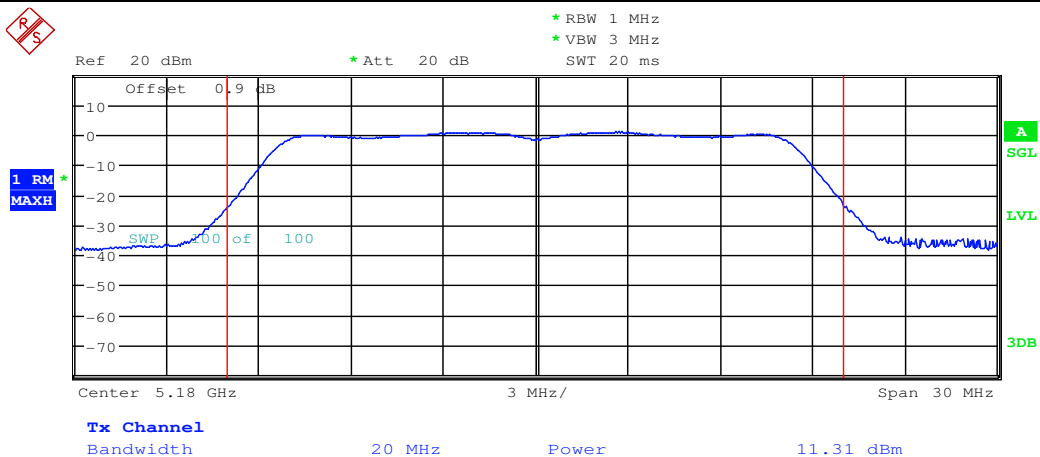
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11AC40	5190	Ant2	10.68	0	10.68	<23.98	PASS
11AC40	5230	Ant1	11.29	0	11.29	<23.98	PASS
11AC40	5230	Ant2	10.98	0	10.98	<23.98	PASS
11AC40	5310	Ant1	11.21	0	11.21	<23.98	PASS
11AC40	5310	Ant2	11.01	0	11.01	<23.98	PASS
11AC40	5510	Ant1	10.41	0	10.41	<23.98	PASS
11AC40	5510	Ant2	9.93	0	9.93	<23.98	PASS
11AC40	5550	Ant1	10.46	0	10.46	<23.98	PASS
11AC40	5550	Ant2	9.77	0	9.77	<23.98	PASS
11AC40	5590	Ant1	10.54	0	10.54	<23.98	PASS
11AC40	5590	Ant2	9.57	0	9.57	<23.98	PASS
11AC40	5670	Ant1	10.39	0	10.39	<23.98	PASS
11AC40	5670	Ant2	9.29	0	9.29	<23.98	PASS
11AC40	5755	Ant1	9.57	0	9.57	<30.00	PASS
11AC40	5755	Ant2	8.66	0	8.66	<30.00	PASS
11AC40	5795	Ant1	9.98	0	9.98	<30.00	PASS
11AC40	5795	Ant2	10.19	0	10.19	<30.00	PASS
11AC80	5210	Ant1	9.26	0	9.26	<23.98	PASS
11AC80	5210	Ant2	8.33	0	8.33	<23.98	PASS
11AC80	5290	Ant1	9.28	0	9.28	<23.98	PASS
11AC80	5290	Ant2	8.87	0	8.87	<23.98	PASS
11AC80	5530	Ant1	9.4	0	9.40	<23.98	PASS
11AC80	5530	Ant2	7.87	0	7.87	<23.98	PASS
11AC80	5610	Ant1	9.16	0	9.16	<23.98	PASS
11AC80	5610	Ant2	7.48	0	7.48	<23.98	PASS
11AC80	5775	Ant1	8.61	0	8.61	<30.00	PASS
11AC80	5775	Ant2	7.34	0	7.34	<30.00	PASS

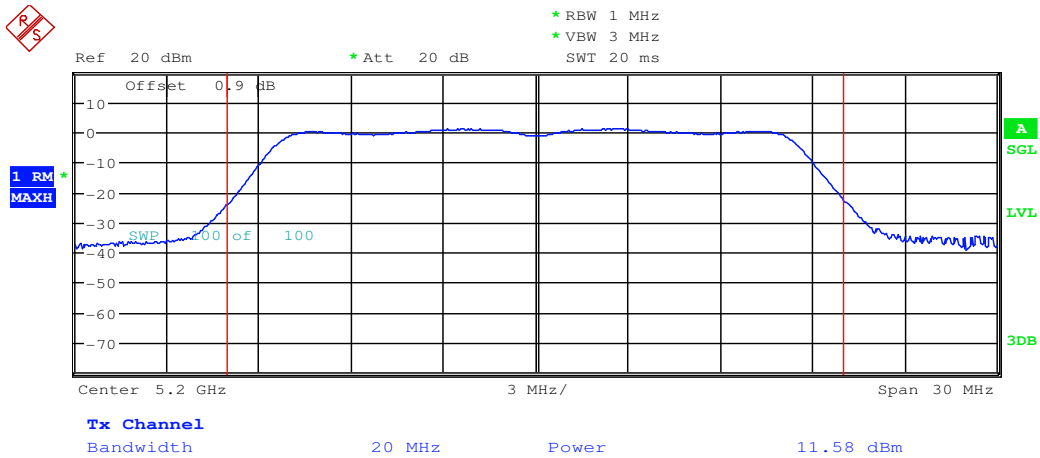
Maximum Conduct Output Power_11A_5180_Ant1



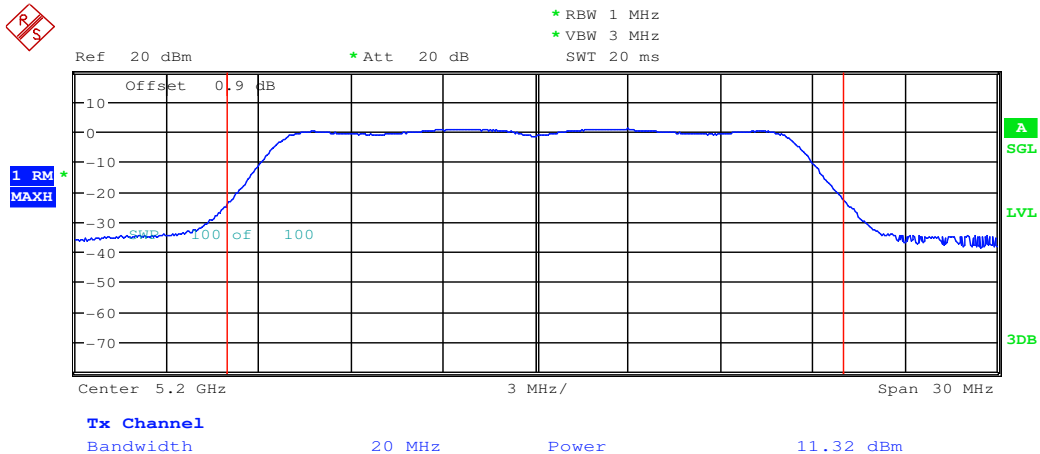
Maximum Conduct Output Power_11A_5180_Ant2



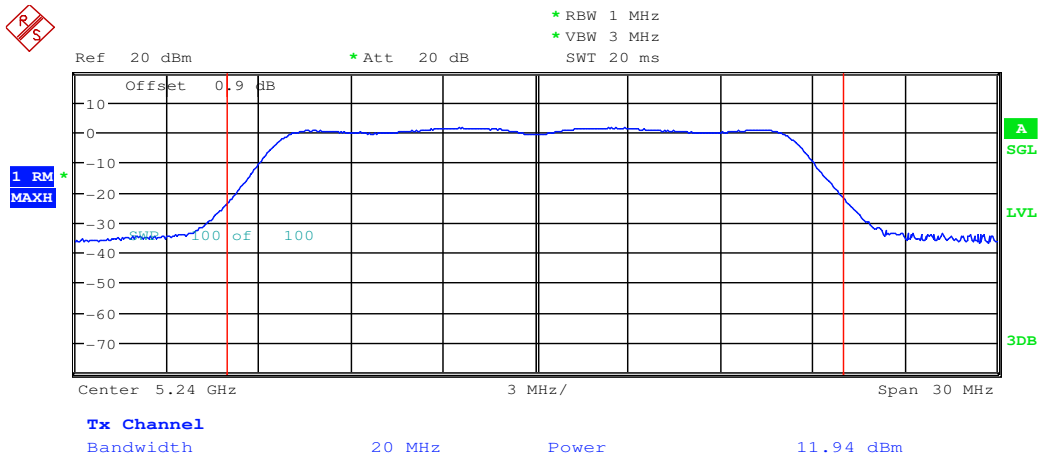
Maximum Conduct Output Power_11A_5200_Ant1



Maximum Conduct Output Power_11A_5200_Ant2



Maximum Conduct Output Power_11A_5240_Ant1



Maximum Conduct Output Power_11A_5240_Ant2

