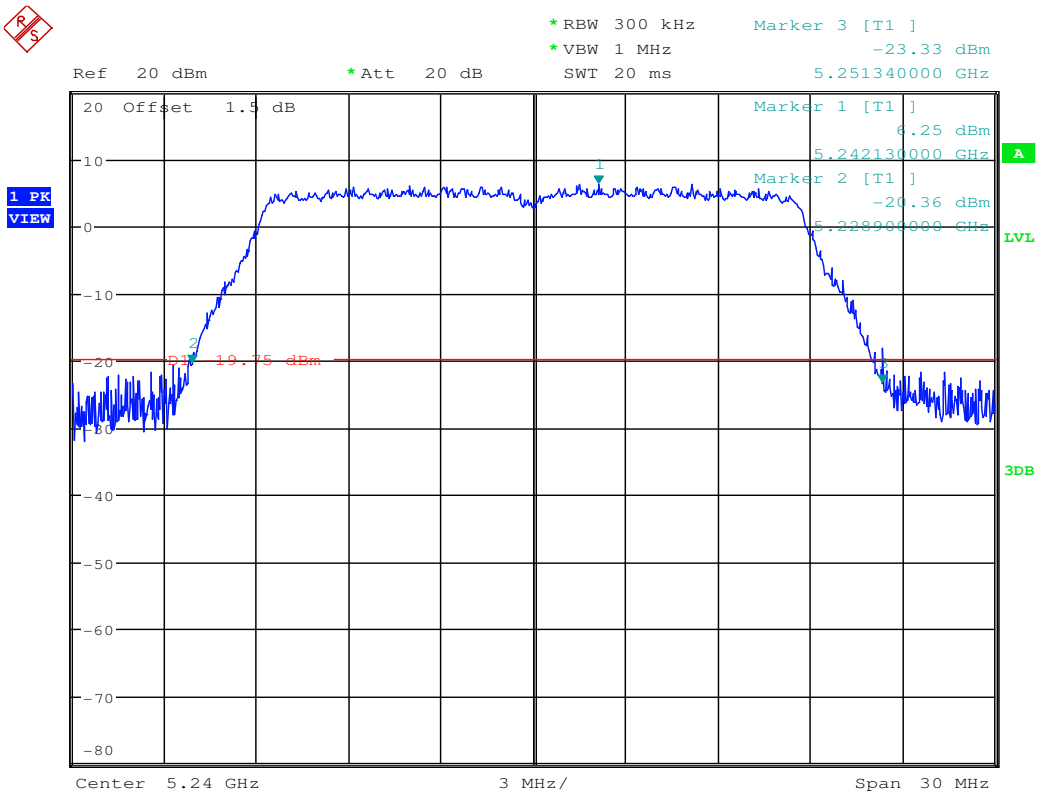
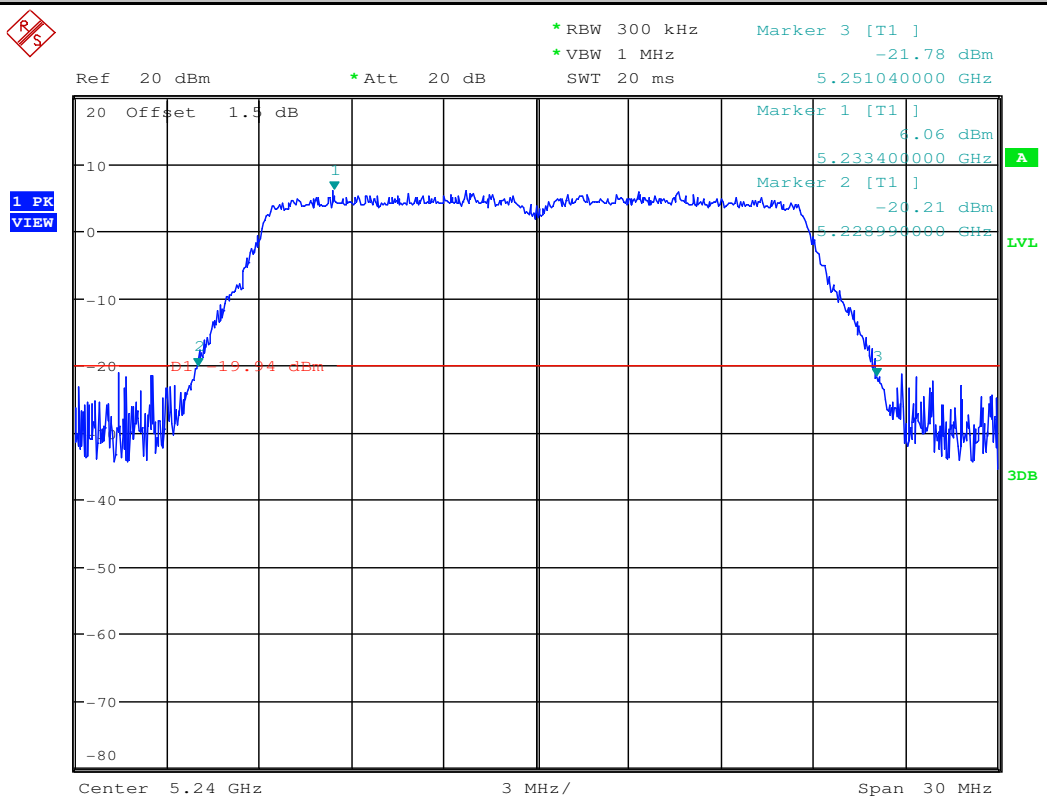
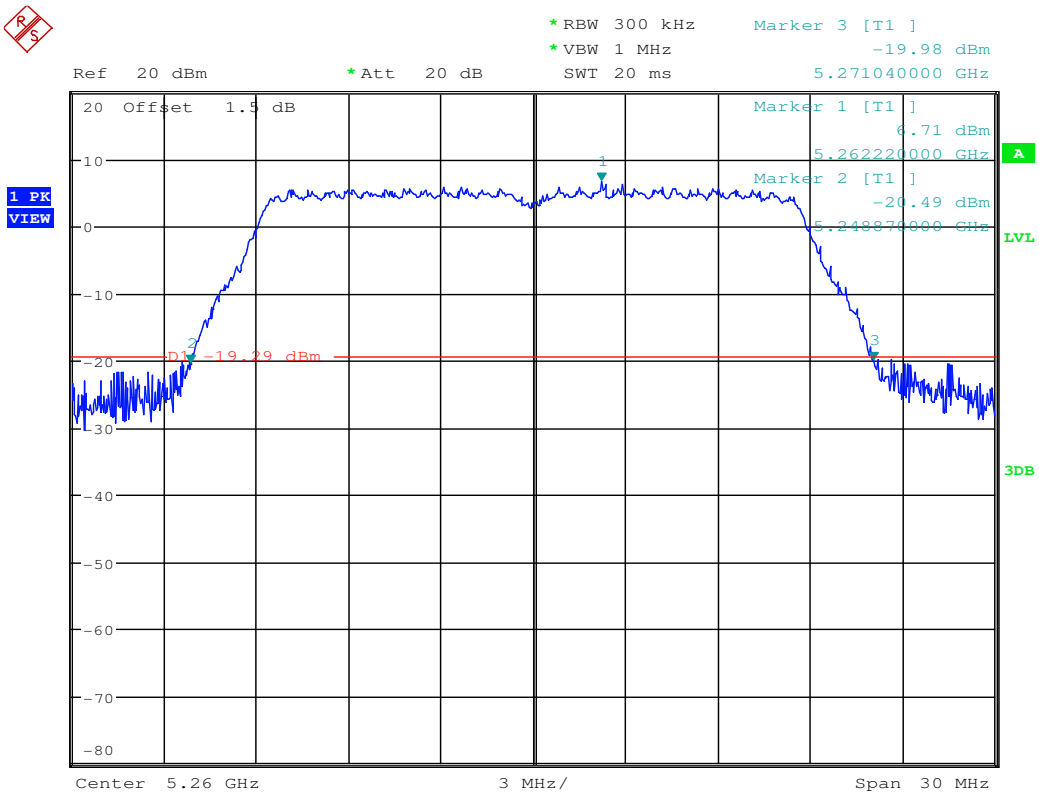
Emission Bandwidth Measurement_11AC20_5240_Ant1



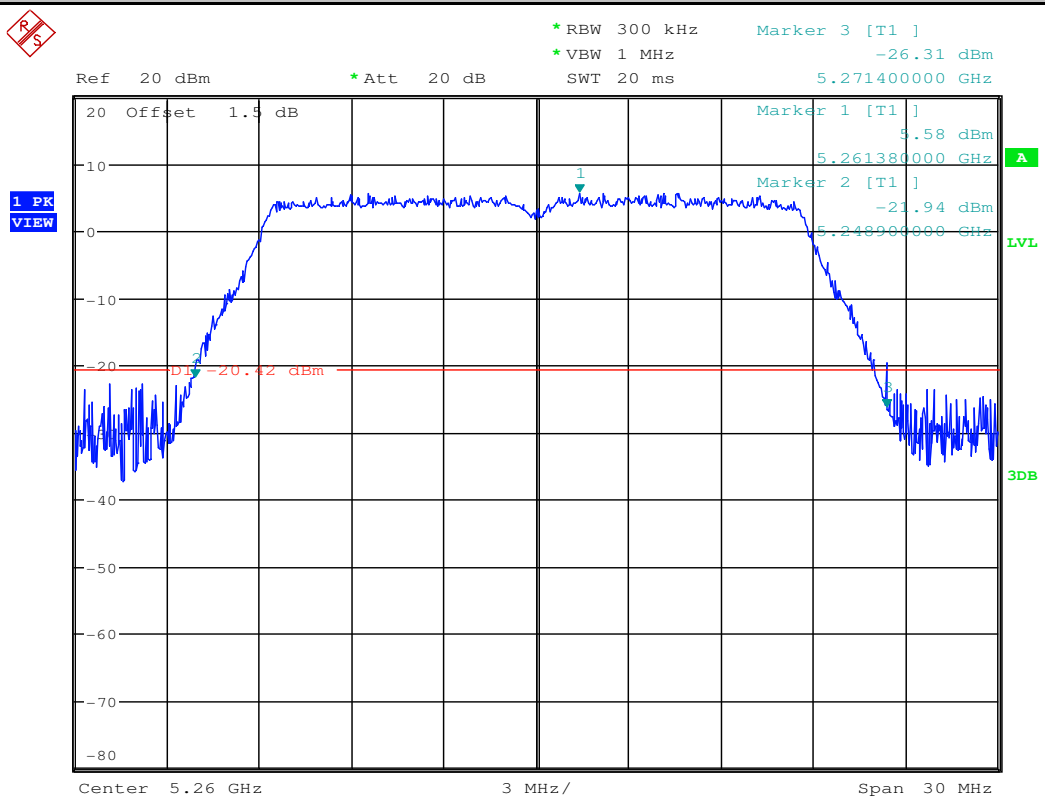
Emission Bandwidth Measurement_11AC20_5240_Ant2



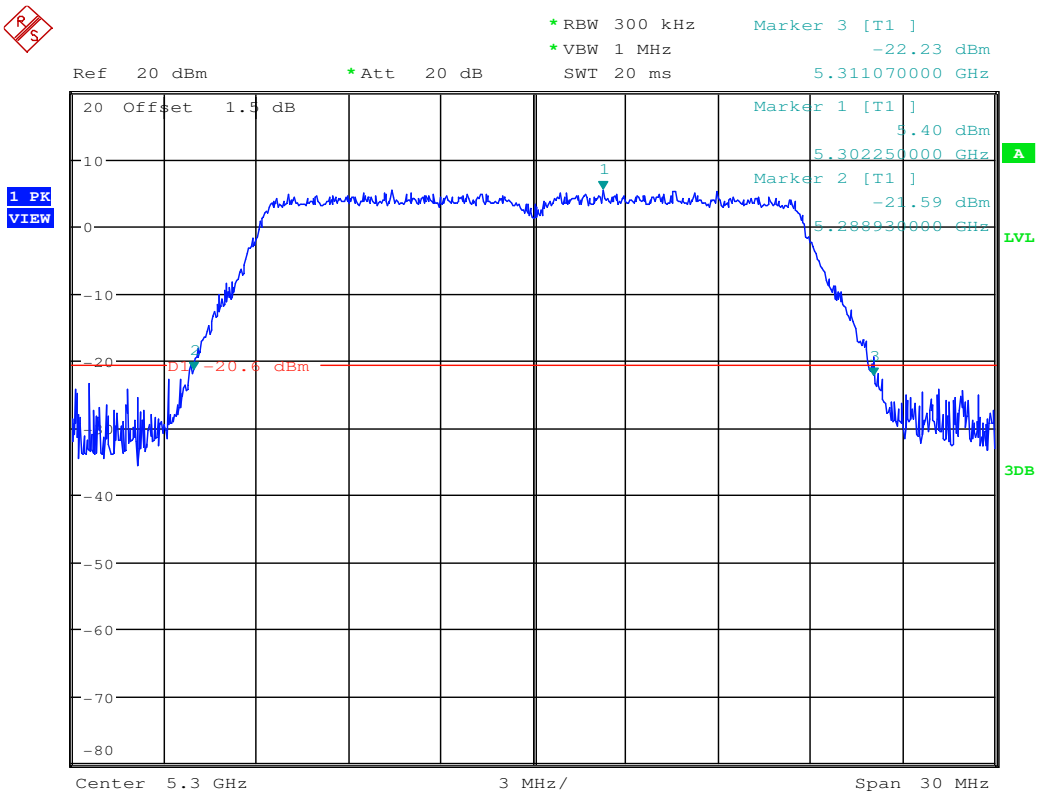
Emission Bandwidth Measurement_11AC20_5260_Ant1



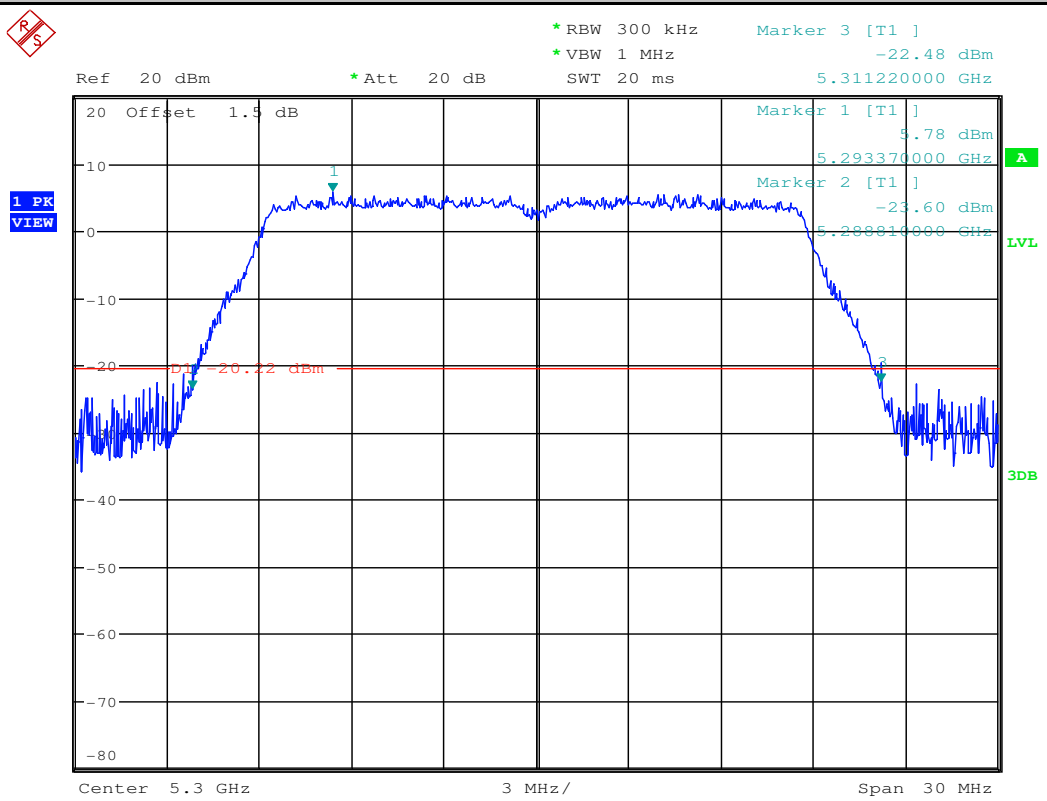
Emission Bandwidth Measurement_11AC20_5260_Ant2



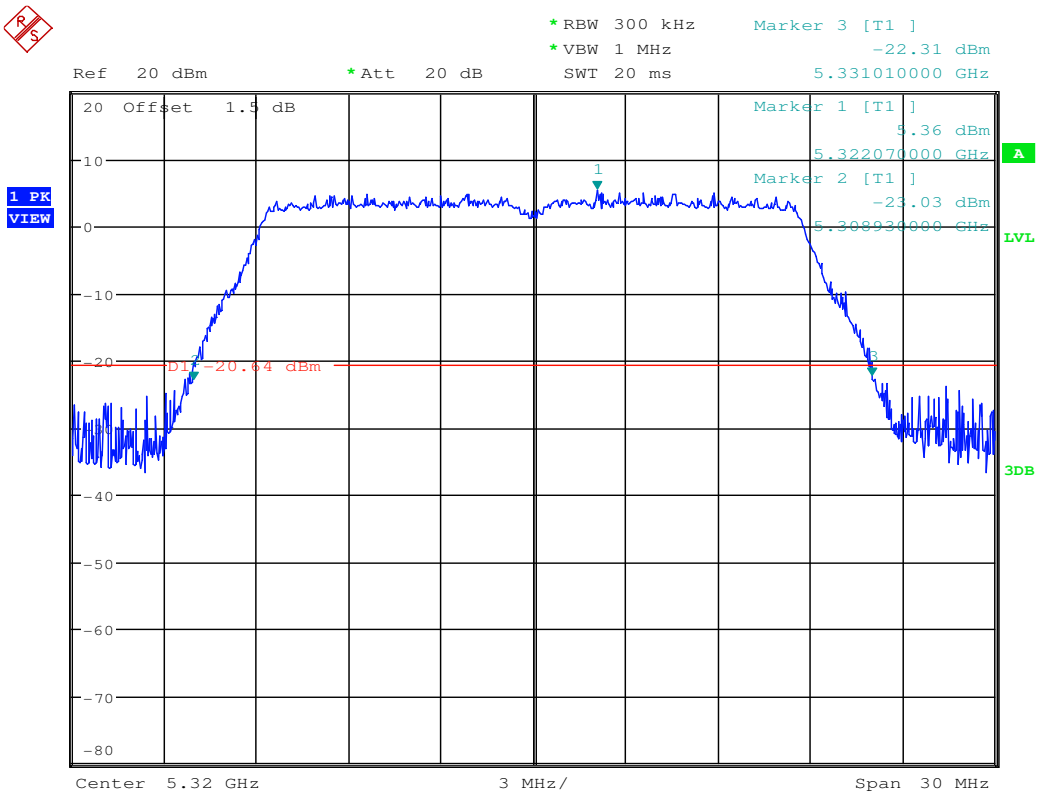
Emission Bandwidth Measurement_11AC20_5300_Ant1



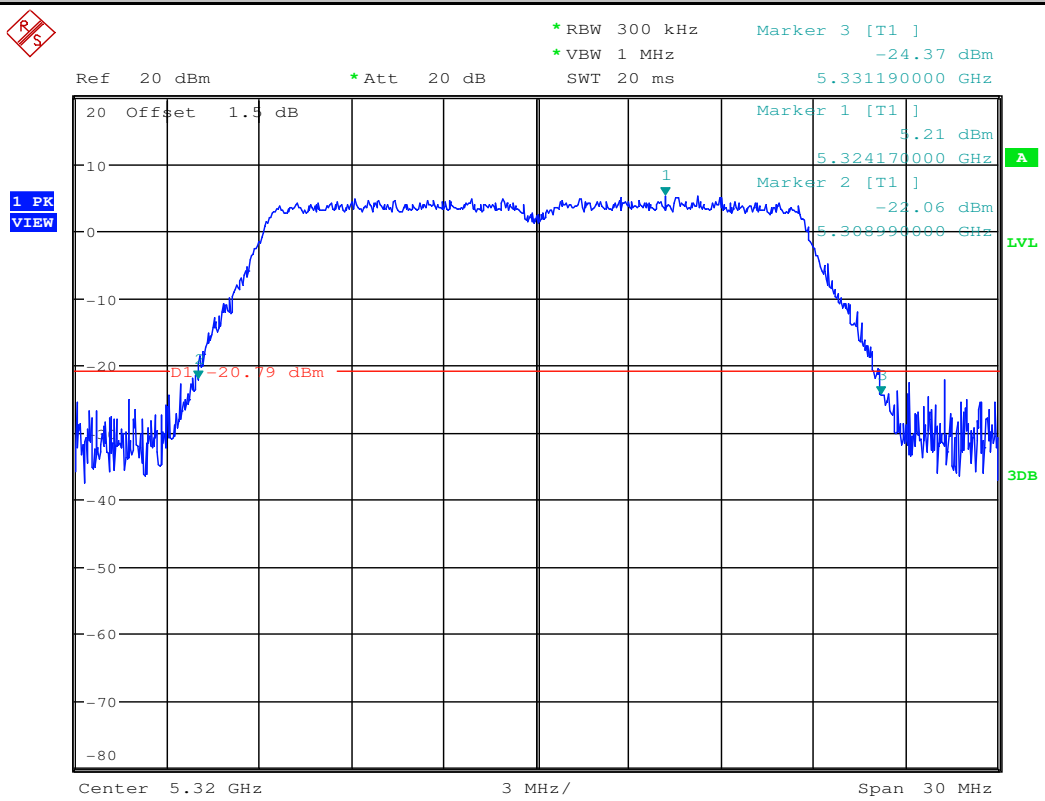
Emission Bandwidth Measurement_11AC20_5300_Ant2



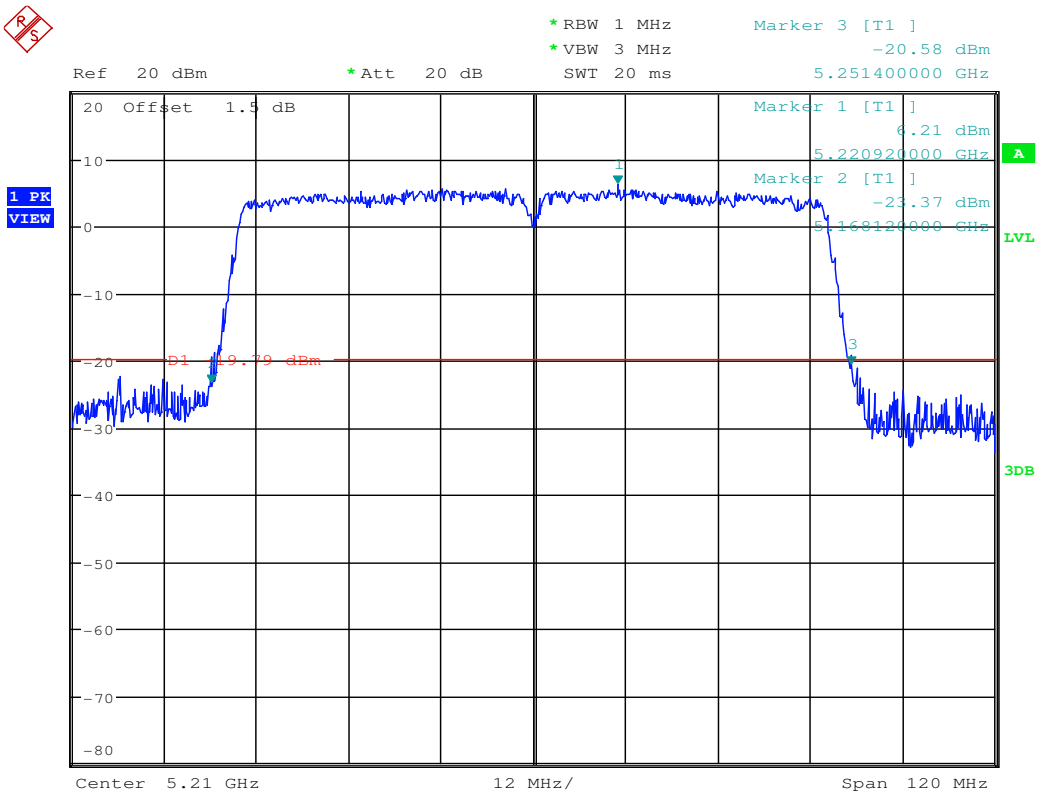
Emission Bandwidth Measurement_11AC20_5320_Ant1



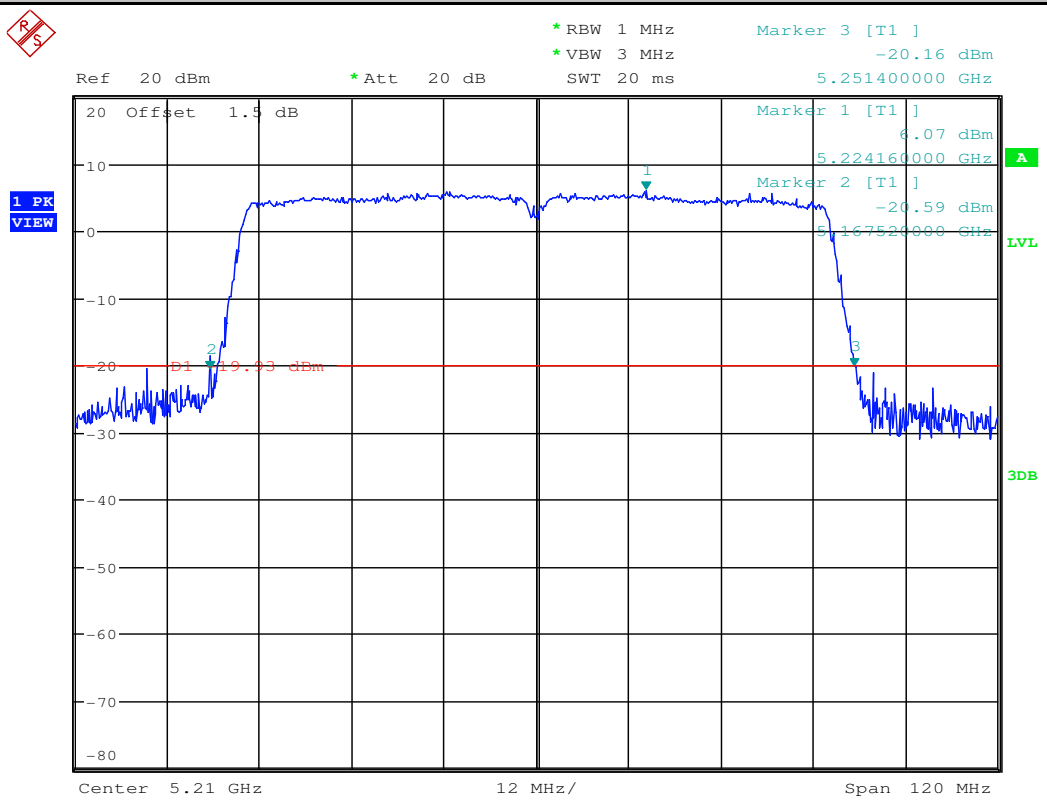
Emission Bandwidth Measurement_11AC20_5320_Ant2



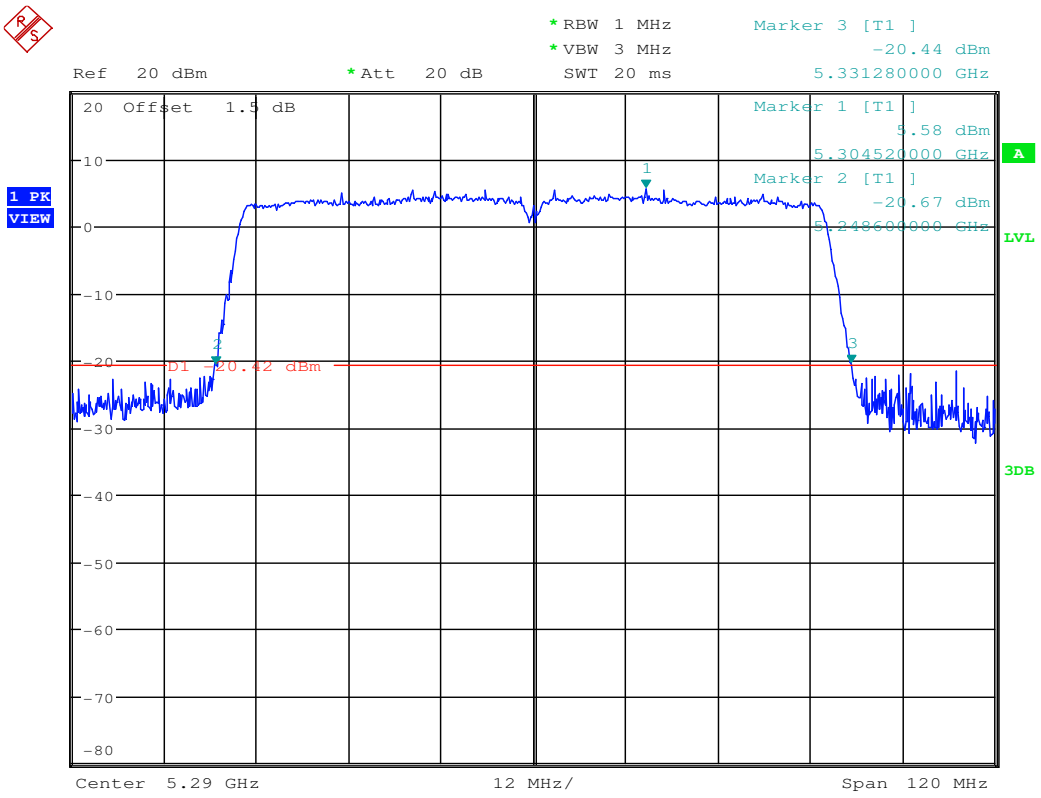
Emission Bandwidth Measurement_11AC80_5210_Ant1



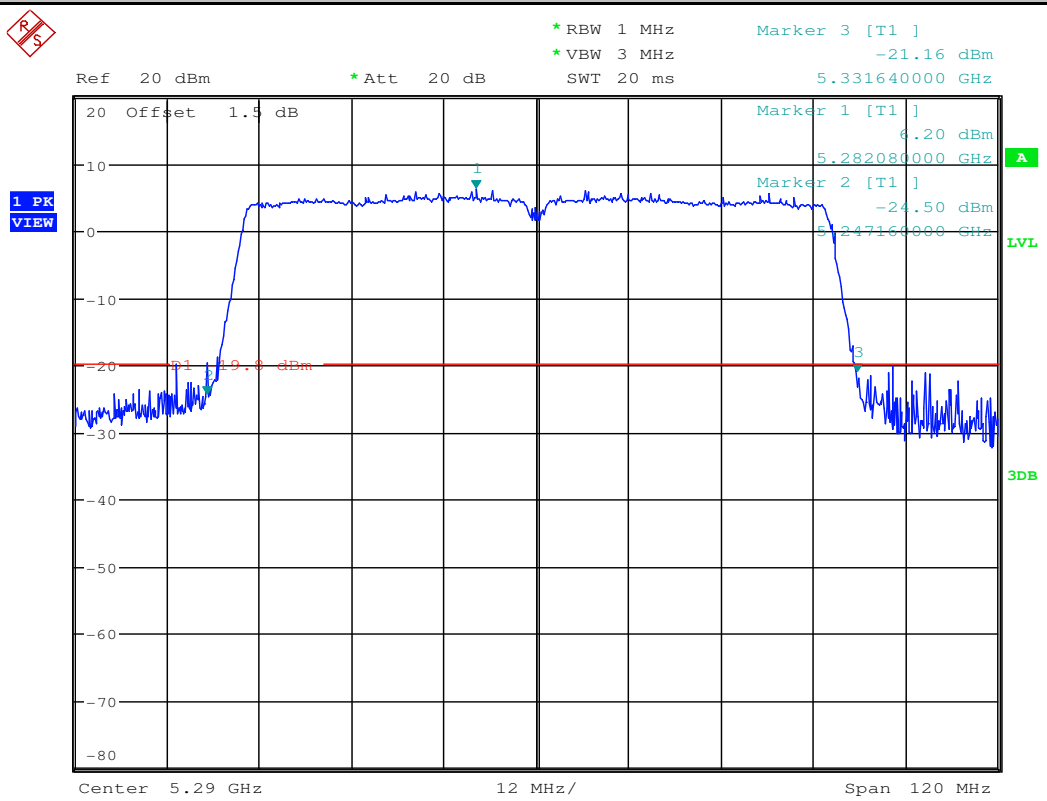
Emission Bandwidth Measurement_11AC80_5210_Ant2



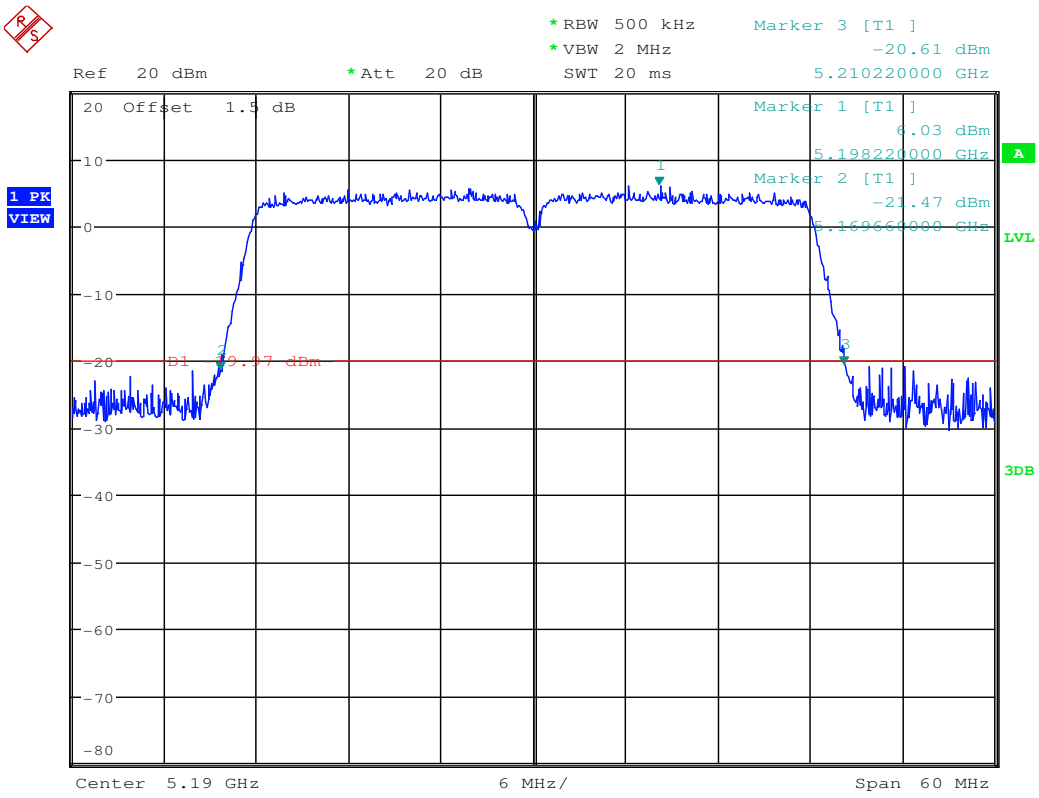
Emission Bandwidth Measurement_11AC80_5290_Ant1



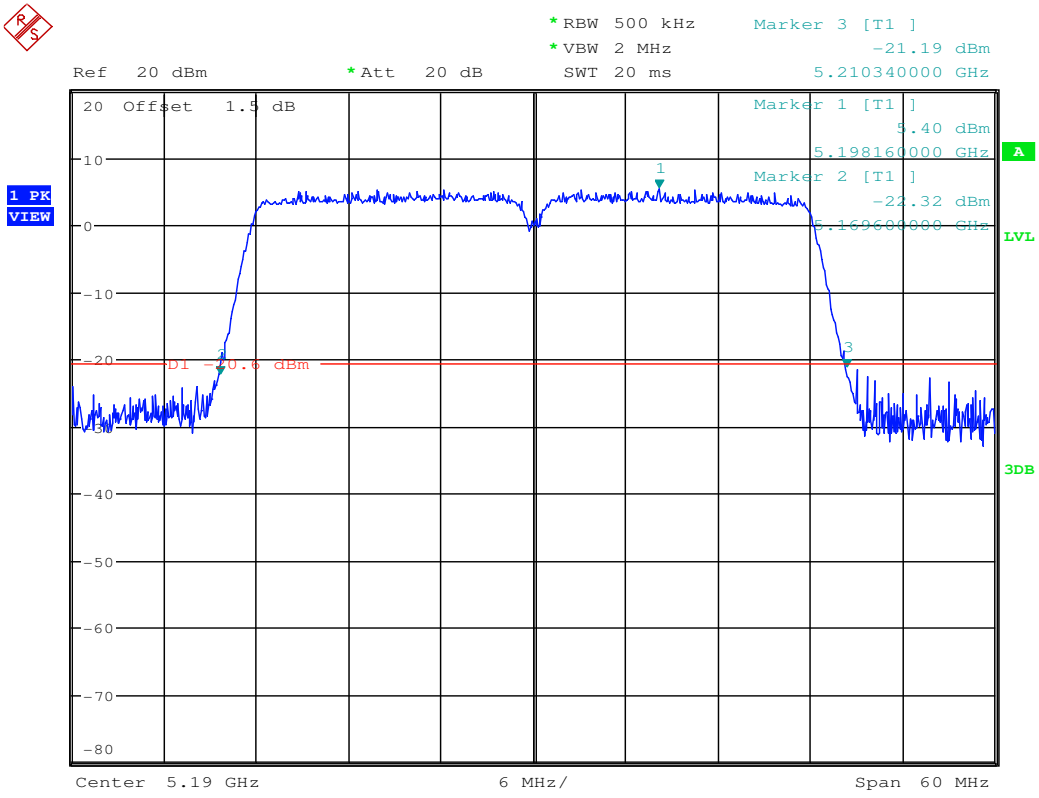
Emission Bandwidth Measurement_11AC80_5290_Ant2



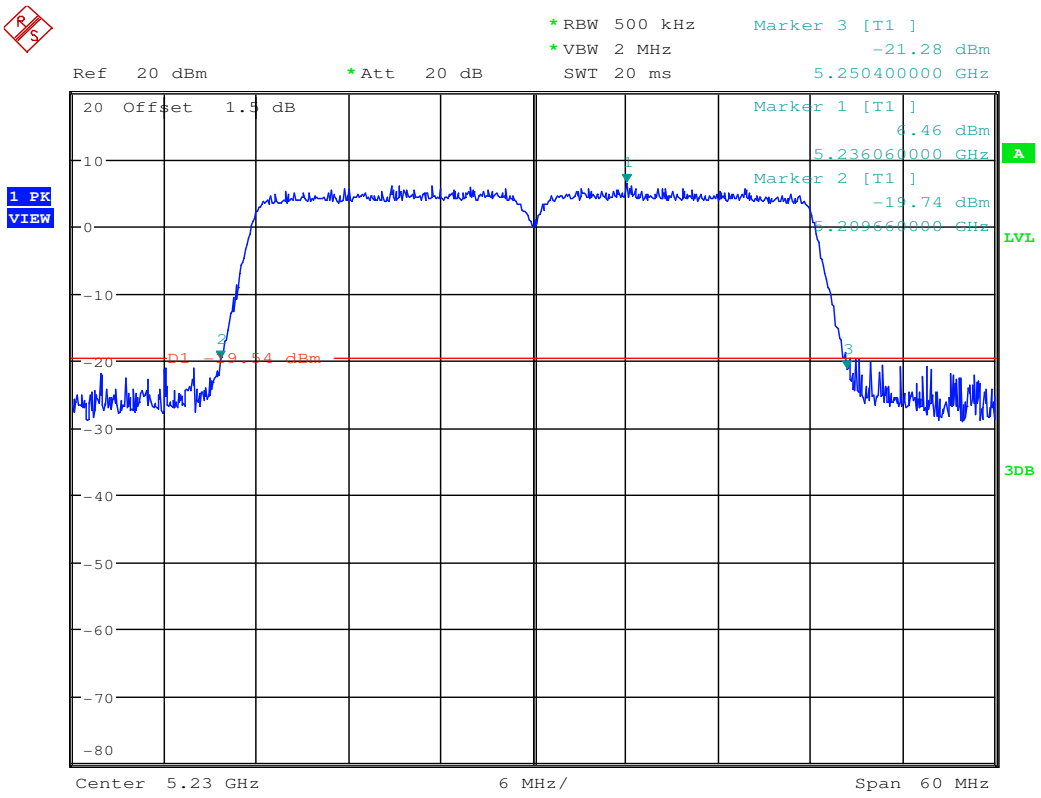
Emission Bandwidth Measurement_11AC40_5190_Ant1



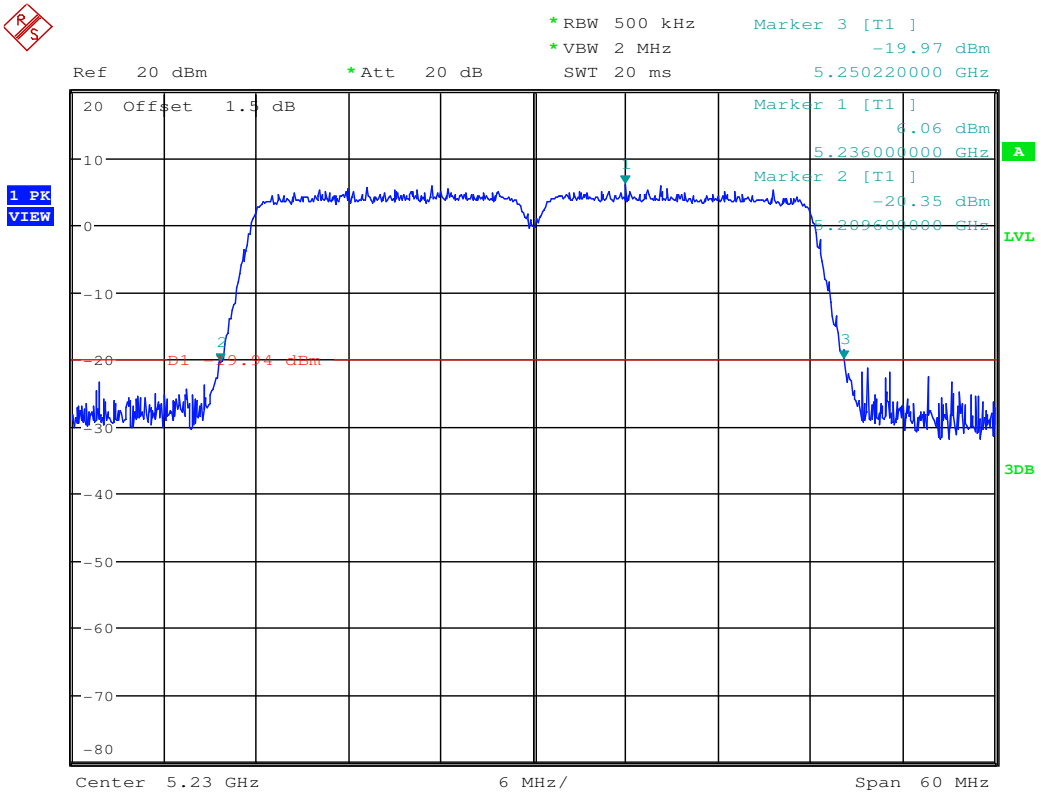
Emission Bandwidth Measurement_11AC40_5190_Ant2



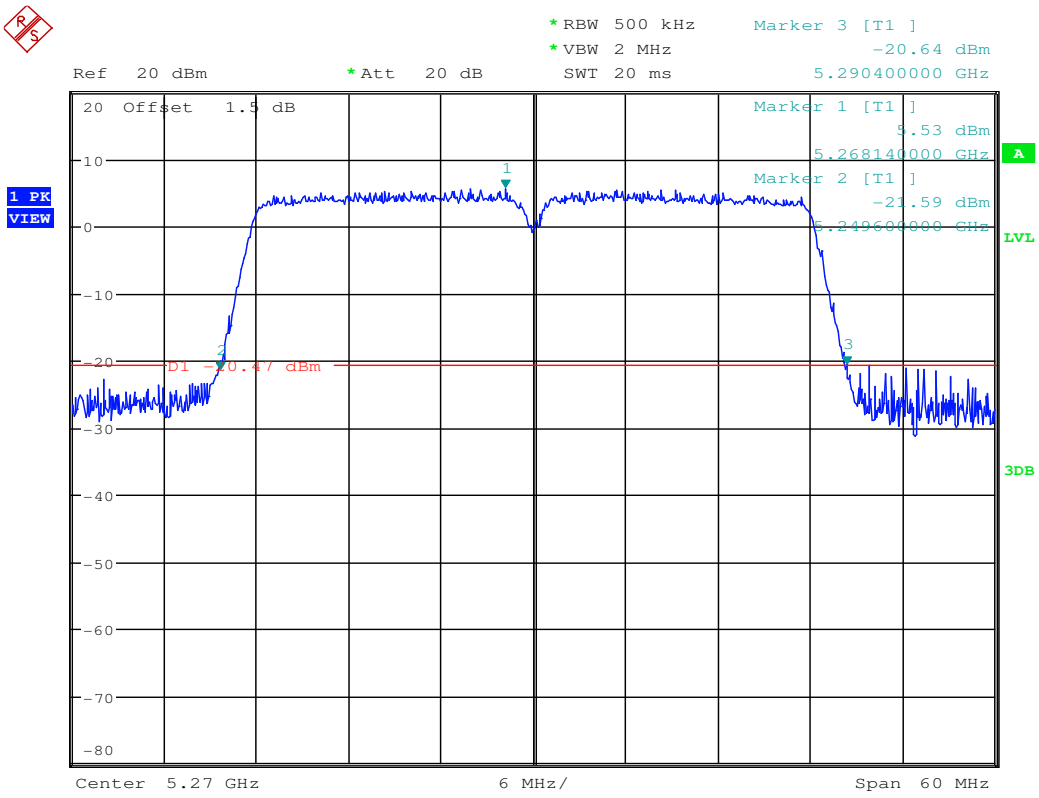
Emission Bandwidth Measurement_11AC40_5230_Ant1



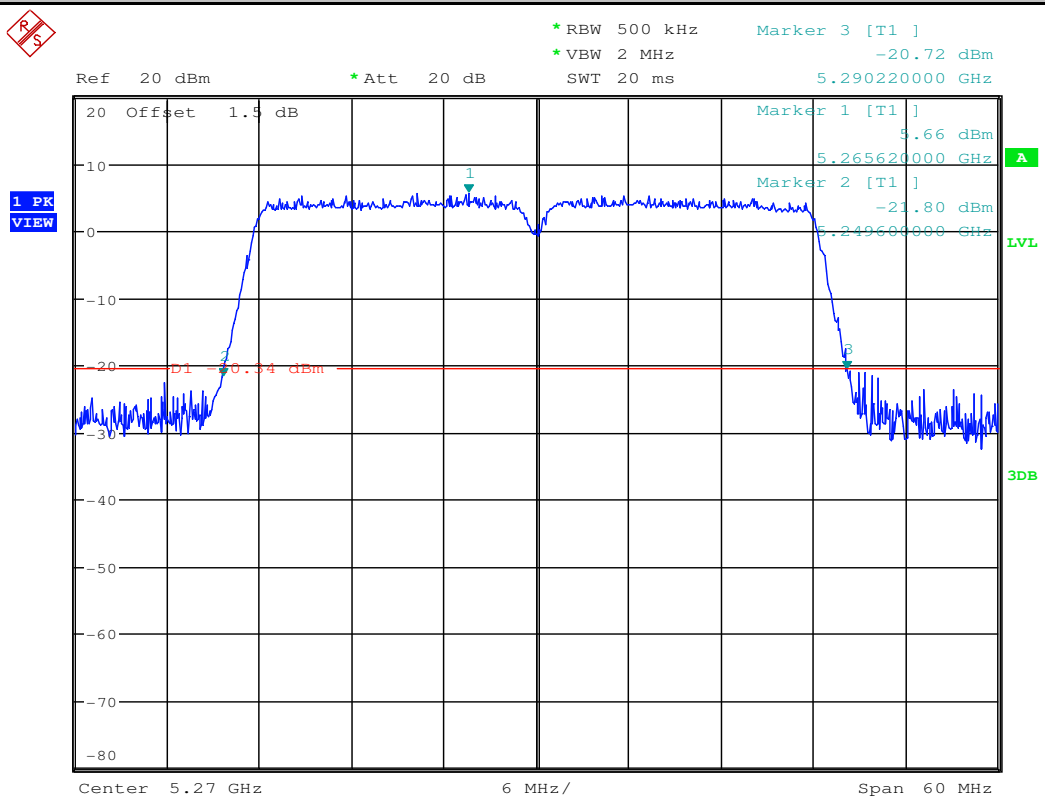
Emission Bandwidth Measurement_11AC40_5230_Ant2



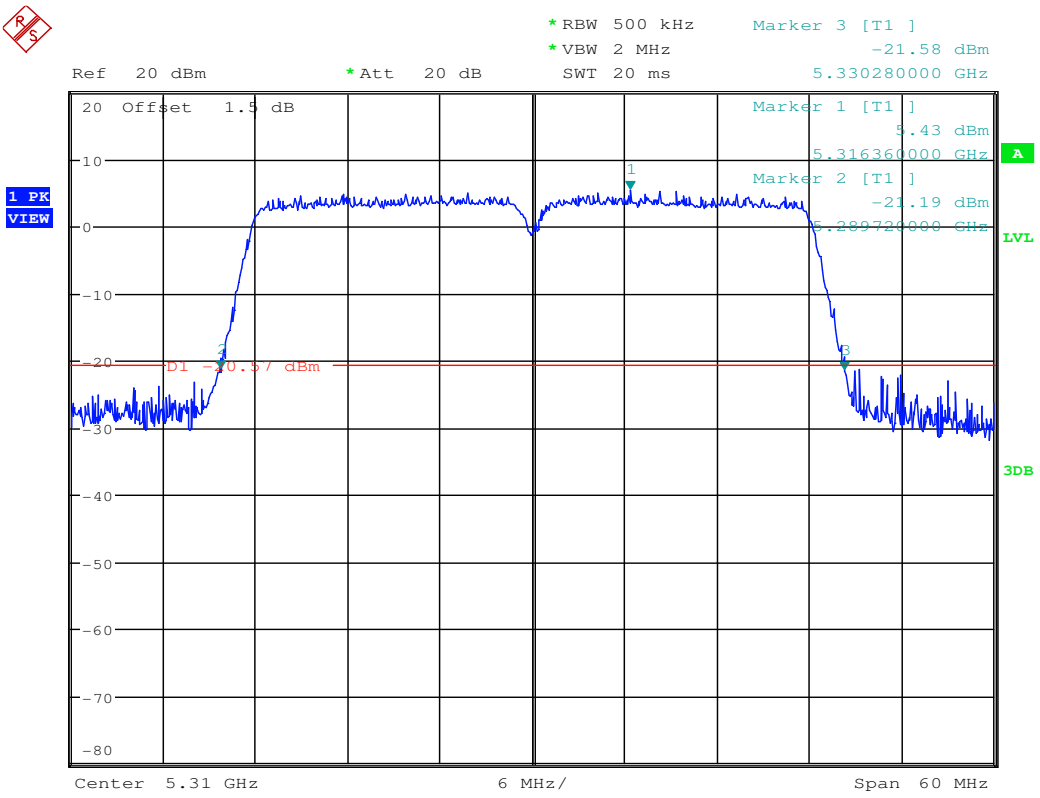
Emission Bandwidth Measurement_11AC40_5270_Ant1



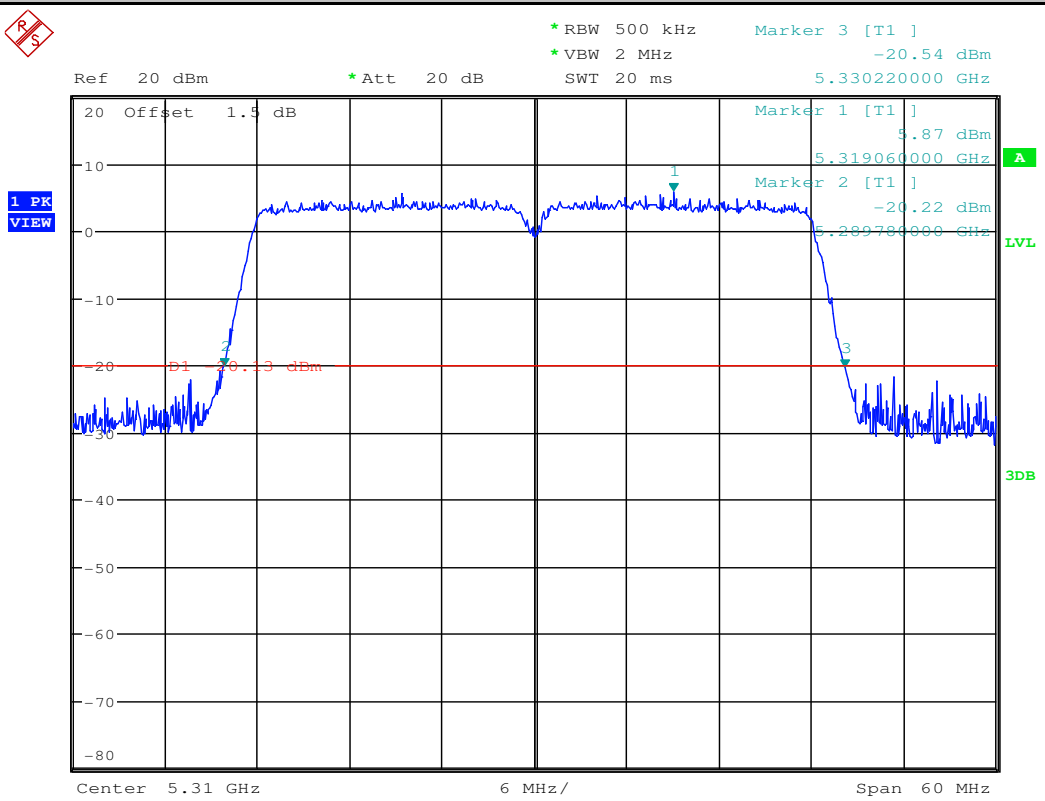
Emission Bandwidth Measurement_11AC40_5270_Ant2



Emission Bandwidth Measurement_11AC40_5310_Ant1



Emission Bandwidth Measurement_11AC40_5310_Ant2

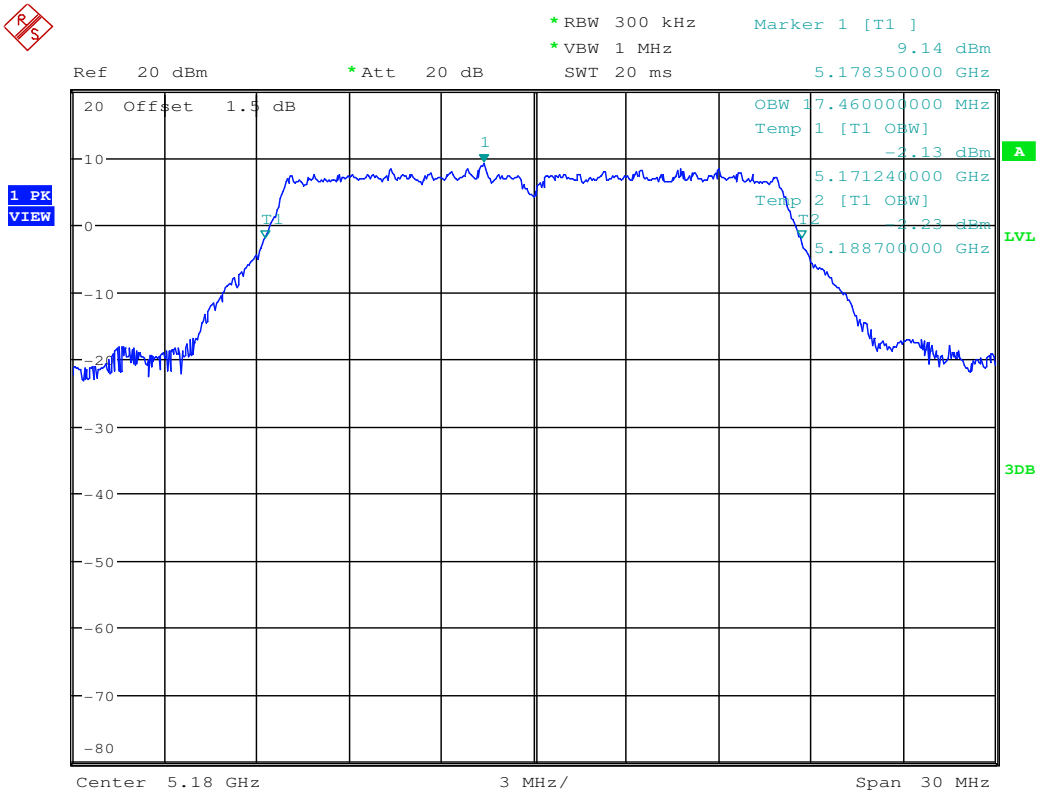


2.Occupied Bandwidth Measurement

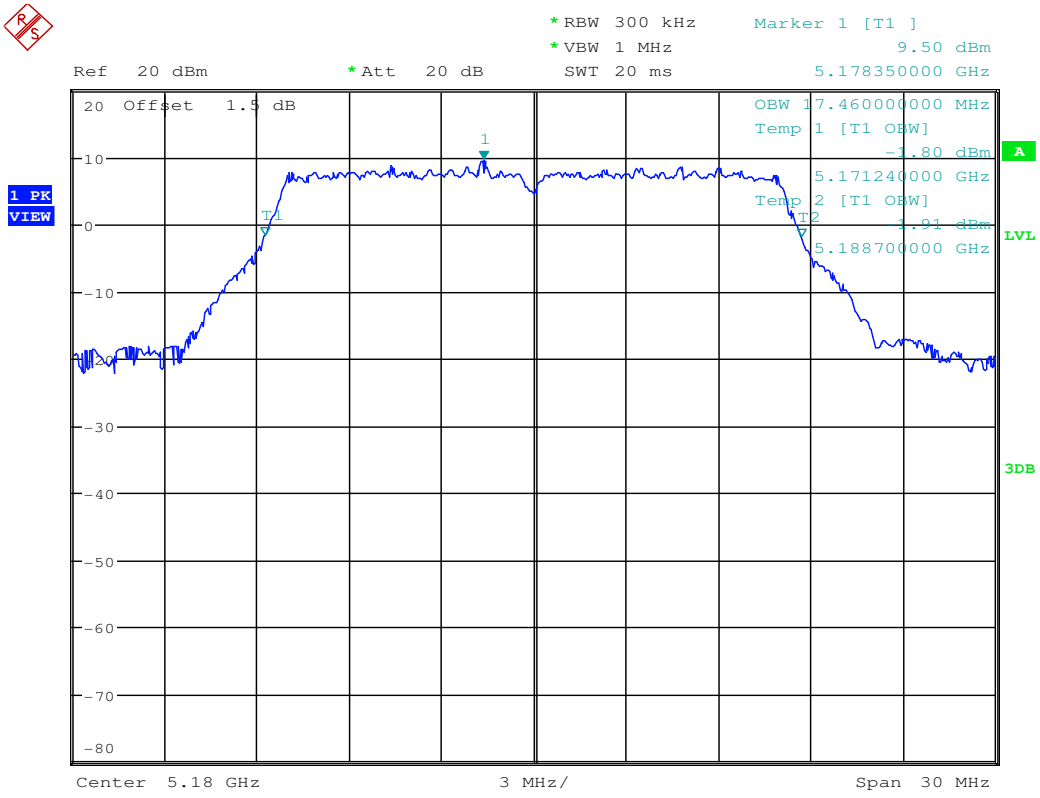
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	17.460	---	PASS
11A	5180	Ant2	17.460	---	PASS
11A	5220	Ant1	17.490	---	PASS
11A	5220	Ant2	17.460	---	PASS
11A	5240	Ant1	17.430	---	PASS
11A	5240	Ant2	17.490	---	PASS
11A	5260	Ant1	17.490	---	PASS
11A	5260	Ant2	17.490	---	PASS
11A	5300	Ant1	17.460	---	PASS
11A	5300	Ant2	17.430	---	PASS
11A	5320	Ant1	17.430	---	PASS
11A	5320	Ant2	17.460	---	PASS
11N20	5180	Ant1	18.330	---	PASS
11N20	5180	Ant2	18.330	---	PASS
11N20	5220	Ant1	18.360	---	PASS
11N20	5220	Ant2	18.360	---	PASS
11N20	5240	Ant1	18.360	---	PASS
11N20	5240	Ant2	18.330	---	PASS
11N20	5260	Ant1	18.330	---	PASS
11N20	5260	Ant2	18.360	---	PASS
11N20	5300	Ant1	18.270	---	PASS
11N20	5300	Ant2	18.360	---	PASS
11N20	5320	Ant1	18.360	---	PASS
11N20	5320	Ant2	18.390	---	PASS
11N40	5190	Ant1	36.600	---	PASS
11N40	5190	Ant2	36.660	---	PASS
11N40	5230	Ant1	36.600	---	PASS
11N40	5230	Ant2	36.660	---	PASS
11N40	5270	Ant1	36.600	---	PASS
11N40	5270	Ant2	36.660	---	PASS
11N40	5310	Ant1	36.540	---	PASS
11N40	5310	Ant2	36.600	---	PASS

11AC20	5180	Ant1	18.300	---	PASS
11AC20	5180	Ant2	18.330	---	PASS
11AC20	5220	Ant1	18.420	---	PASS
11AC20	5220	Ant2	18.390	---	PASS
11AC20	5240	Ant1	18.390	---	PASS
11AC20	5240	Ant2	18.300	---	PASS
11AC20	5260	Ant1	18.360	---	PASS
11AC20	5260	Ant2	18.330	---	PASS
11AC20	5300	Ant1	18.330	---	PASS
11AC20	5300	Ant2	18.330	---	PASS
11AC20	5320	Ant1	18.420	---	PASS
11AC20	5320	Ant2	18.330	---	PASS
11AC80	5210	Ant1	76.200	---	PASS
11AC80	5210	Ant2	76.200	---	PASS
11AC80	5290	Ant1	76.200	---	PASS
11AC80	5290	Ant2	76.200	---	PASS
11AC40	5190	Ant1	36.540	---	PASS
11AC40	5190	Ant2	36.600	---	PASS
11AC40	5230	Ant1	36.600	---	PASS
11AC40	5230	Ant2	36.540	---	PASS
11AC40	5270	Ant1	36.600	---	PASS
11AC40	5270	Ant2	36.660	---	PASS
11AC40	5310	Ant1	36.600	---	PASS
11AC40	5310	Ant2	36.540	---	PASS

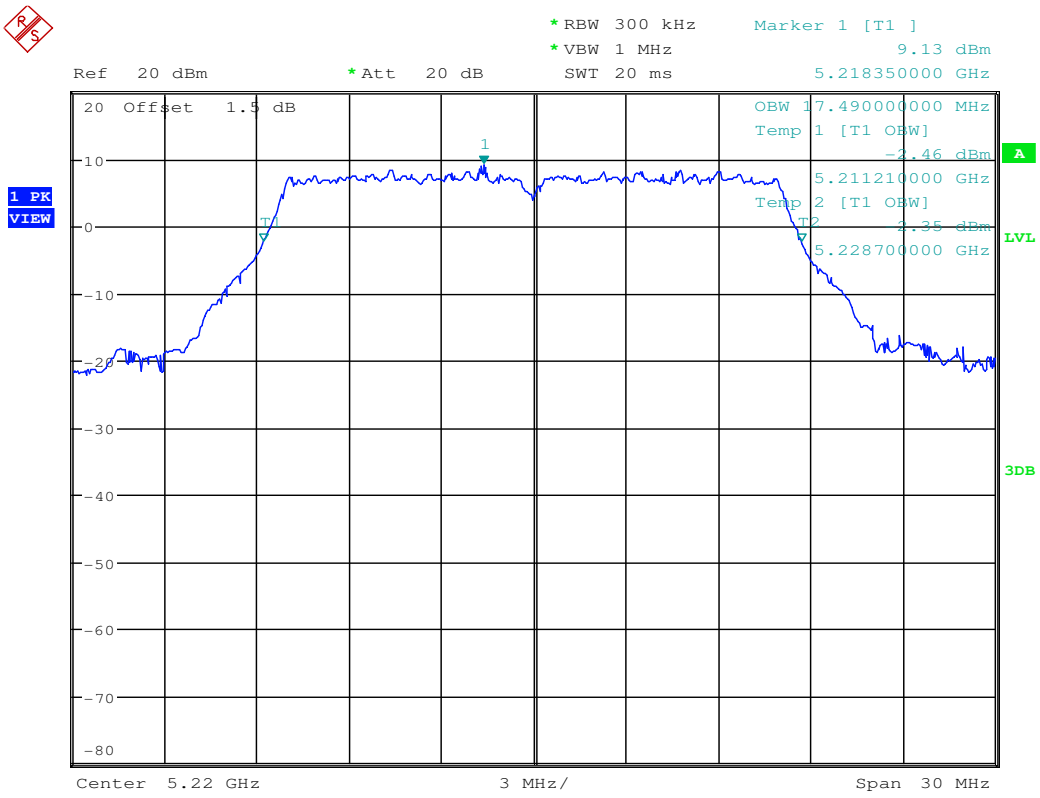
Occupied Bandwidth Measurement_11A_5180_Ant1



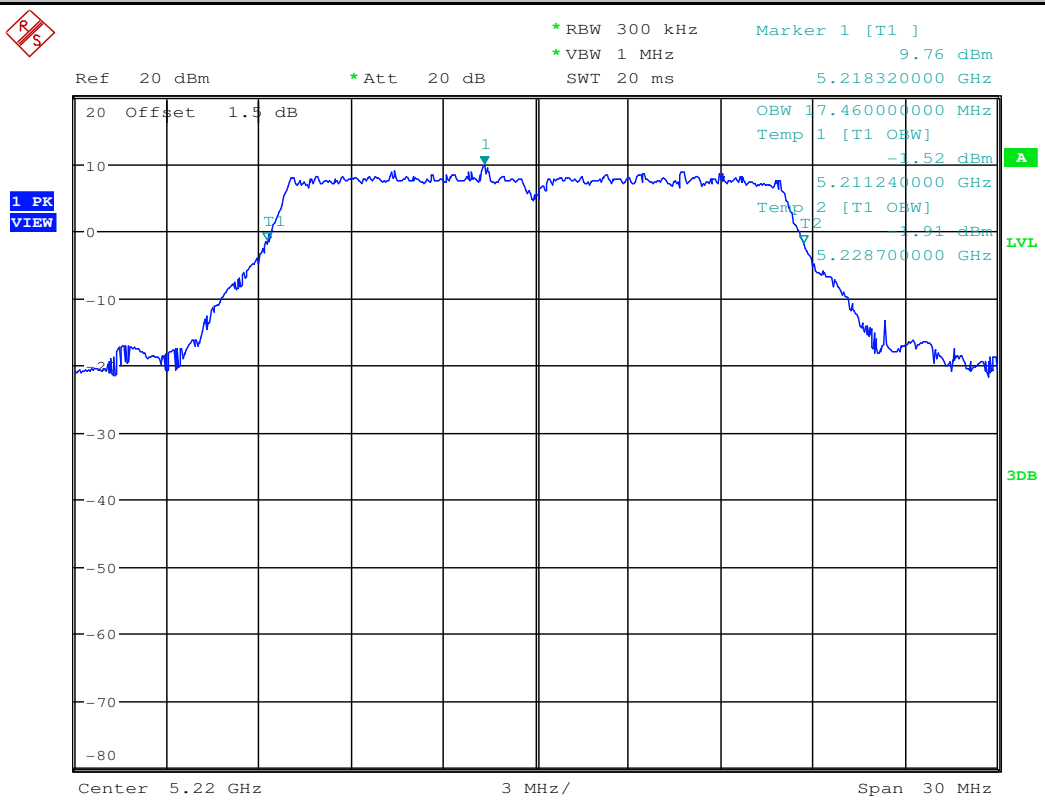
Occupied Bandwidth Measurement_11A_5180_Ant2



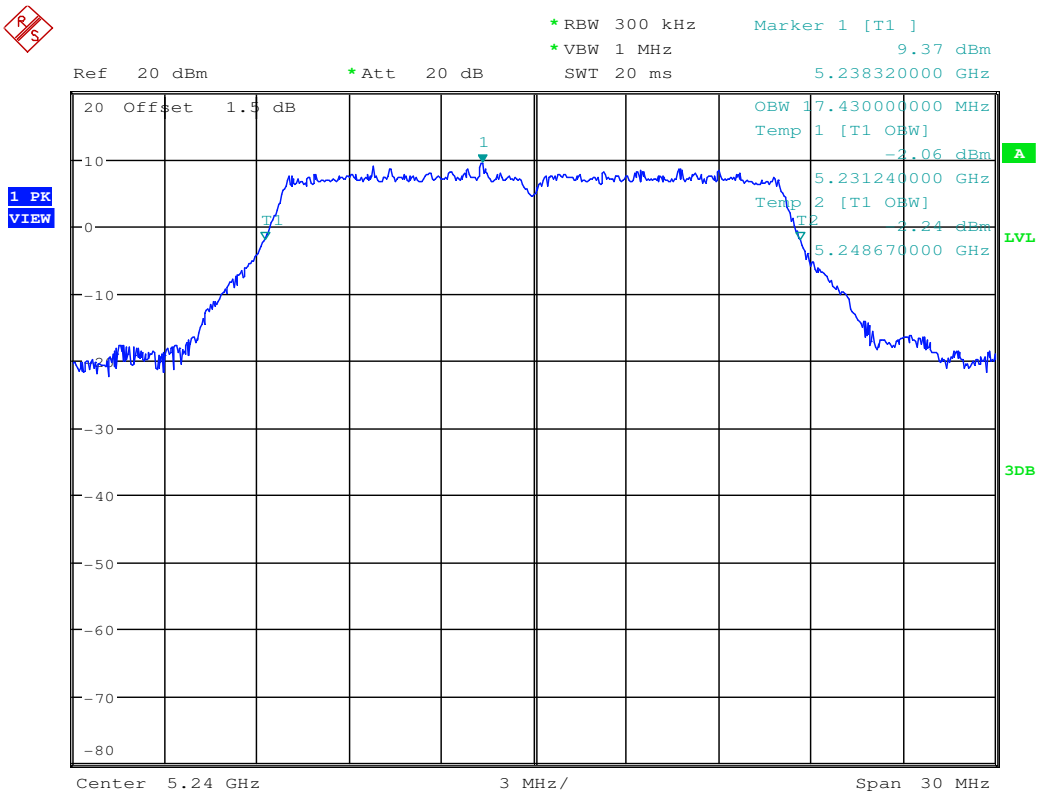
Occupied Bandwidth Measurement_11A_5220_Ant1



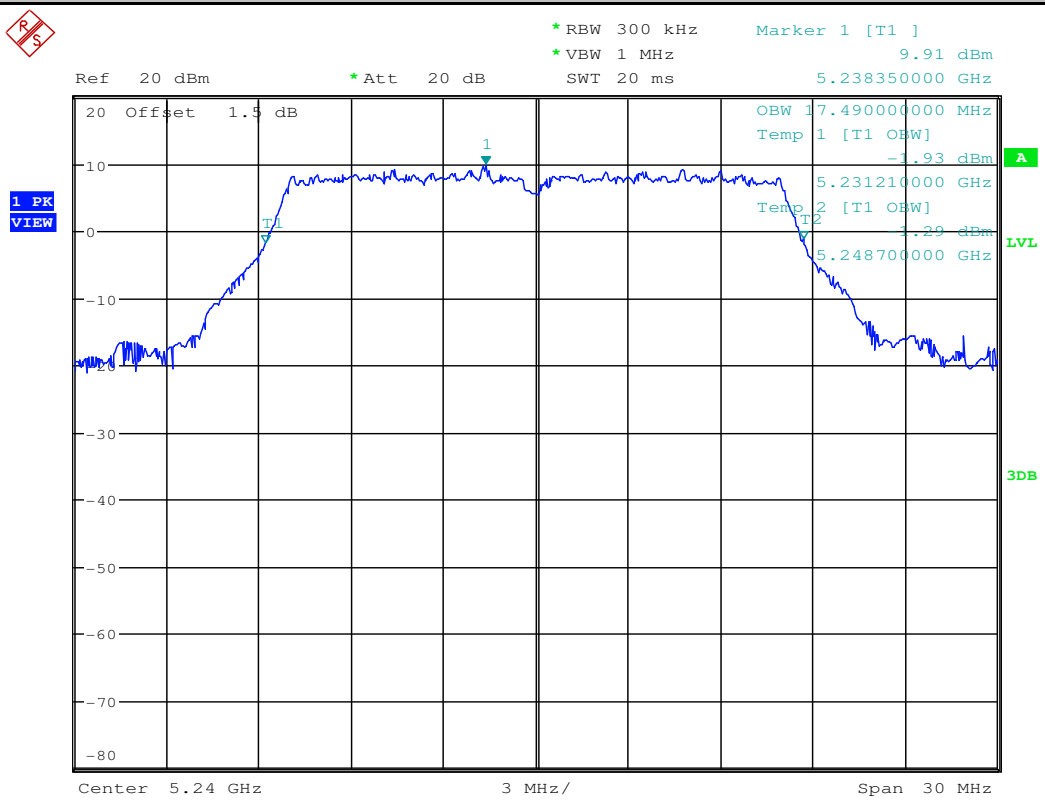
Occupied Bandwidth Measurement_11A_5220_Ant2



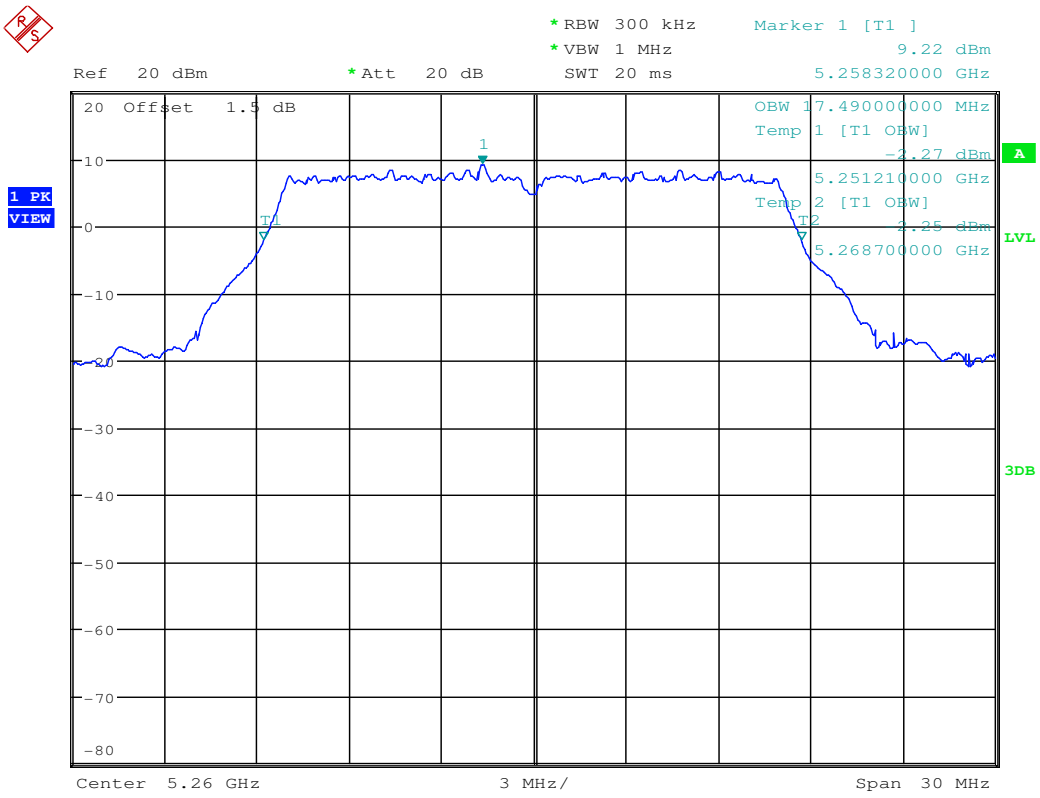
Occupied Bandwidth Measurement_11A_5240_Ant1



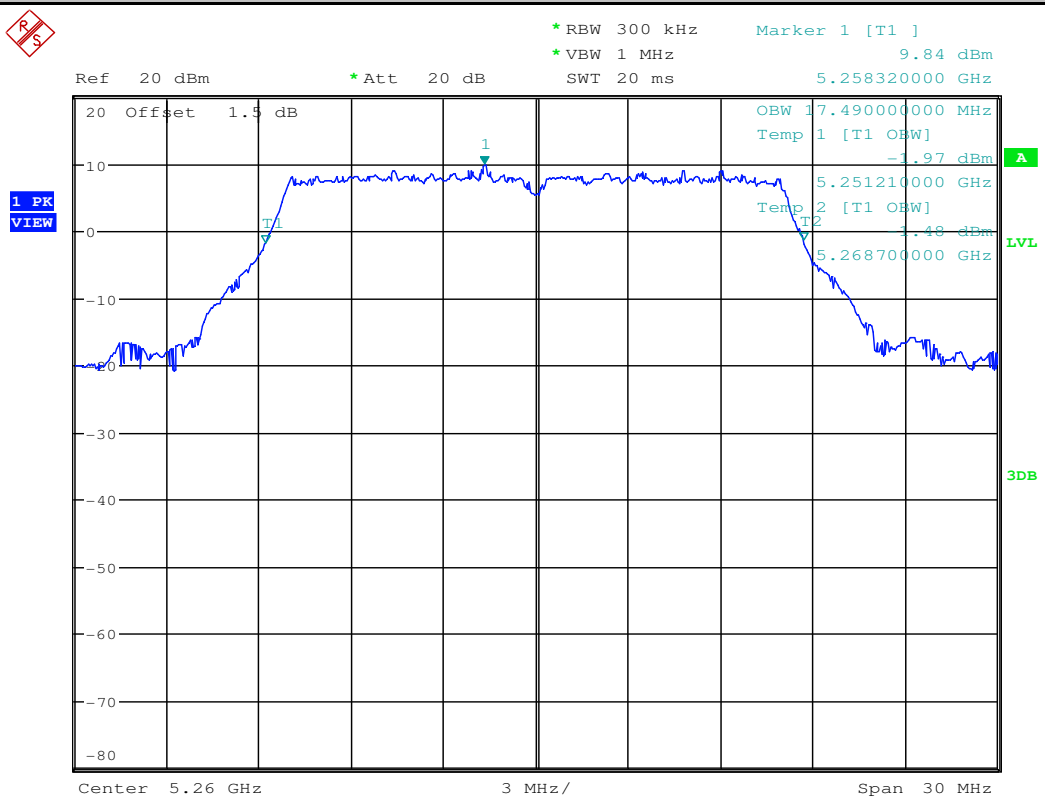
Occupied Bandwidth Measurement_11A_5240_Ant2



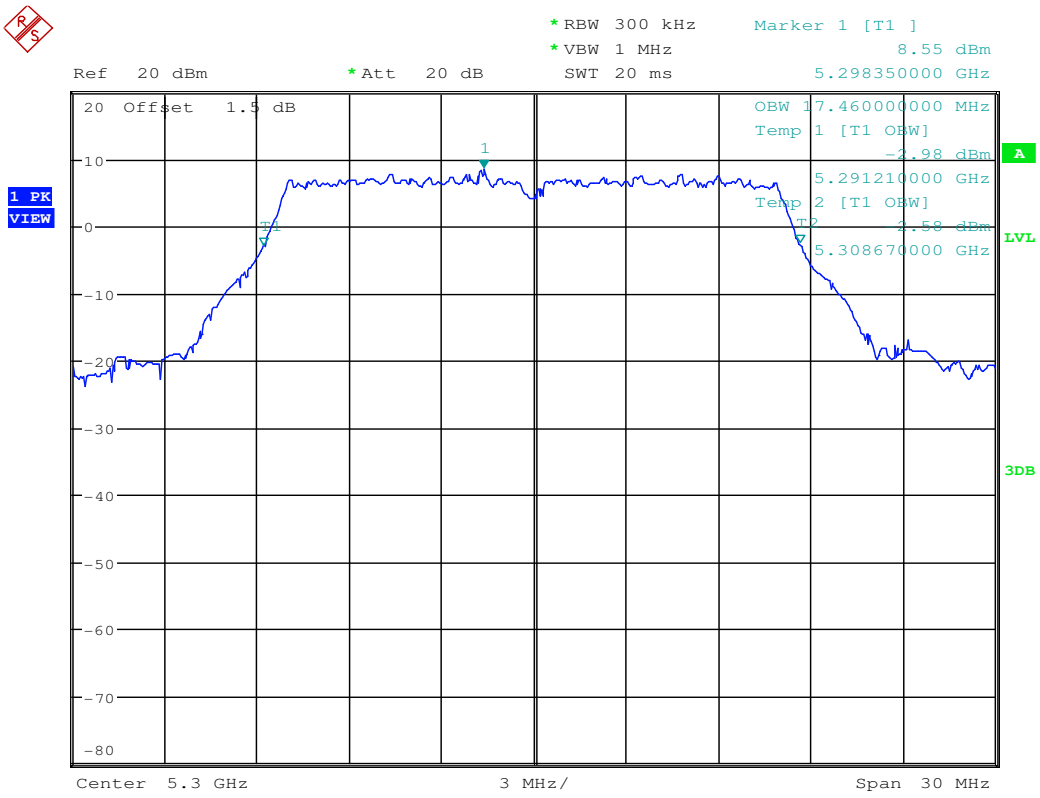
Occupied Bandwidth Measurement_11A_5260_Ant1



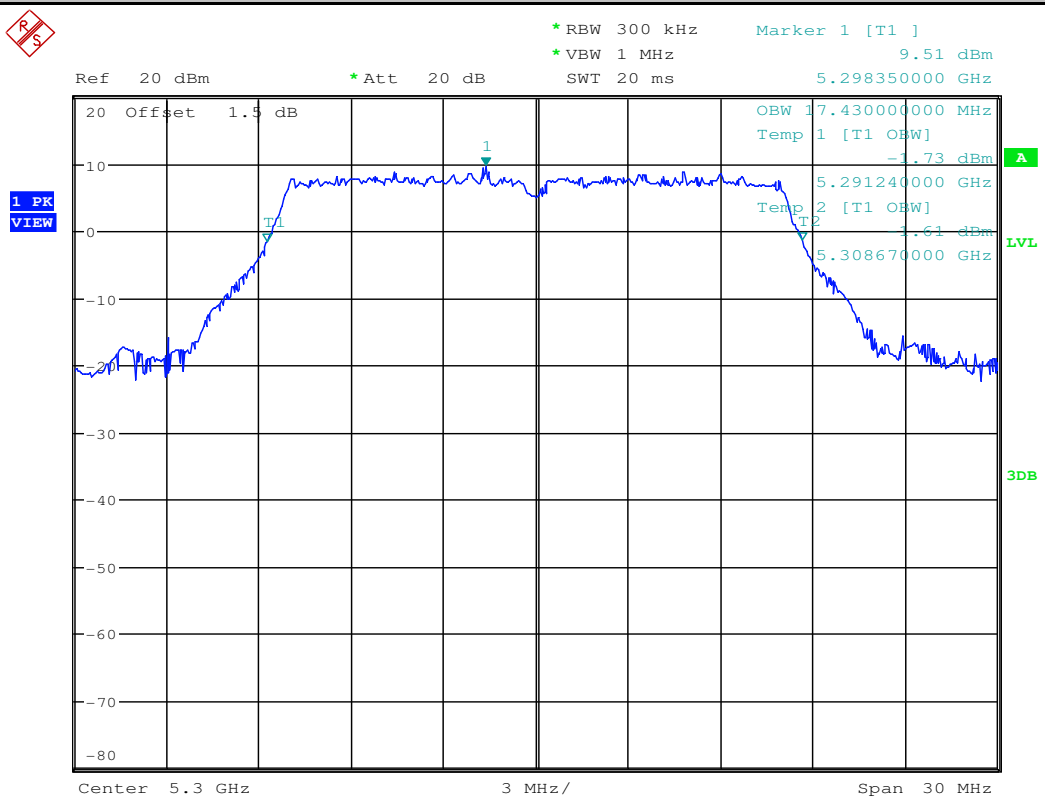
Occupied Bandwidth Measurement_11A_5260_Ant2



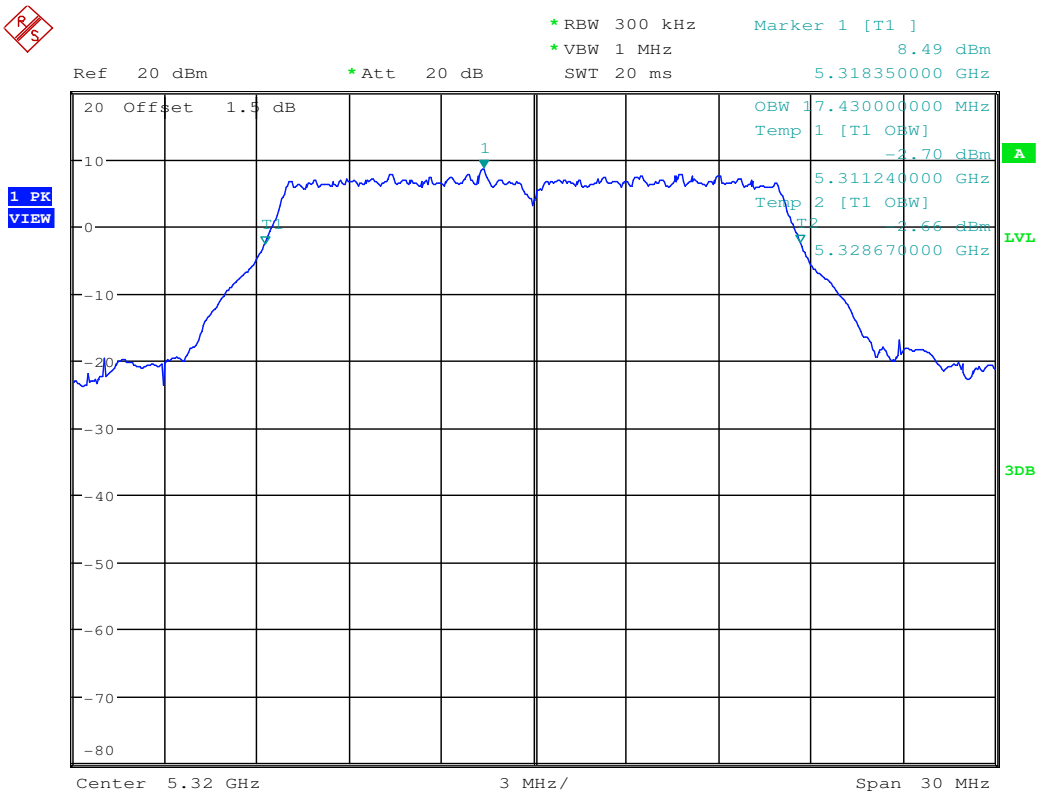
Occupied Bandwidth Measurement_11A_5300_Ant1



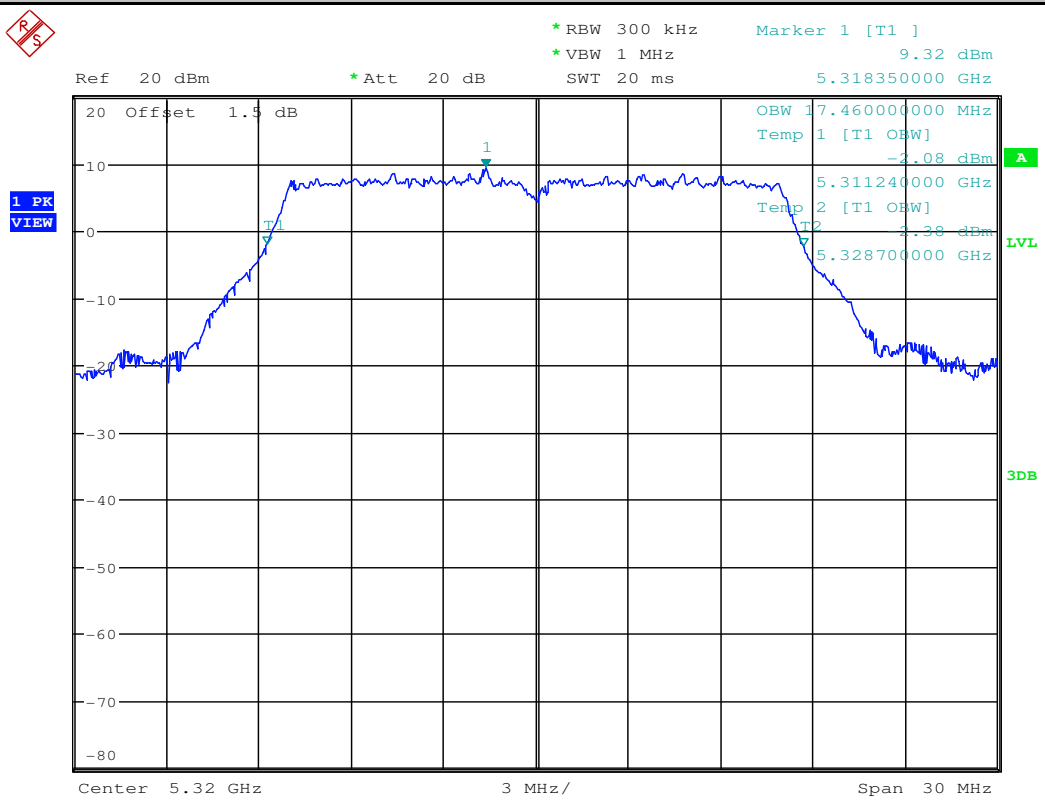
Occupied Bandwidth Measurement_11A_5300_Ant2



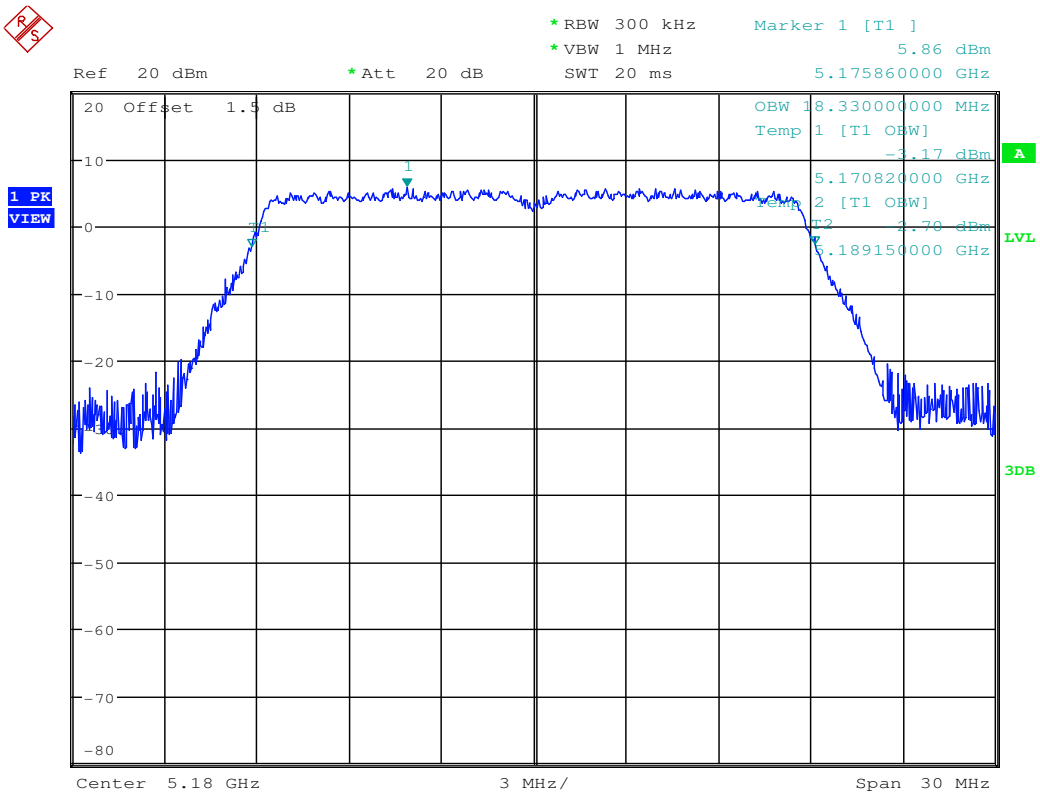
Occupied Bandwidth Measurement_11A_5320_Ant1



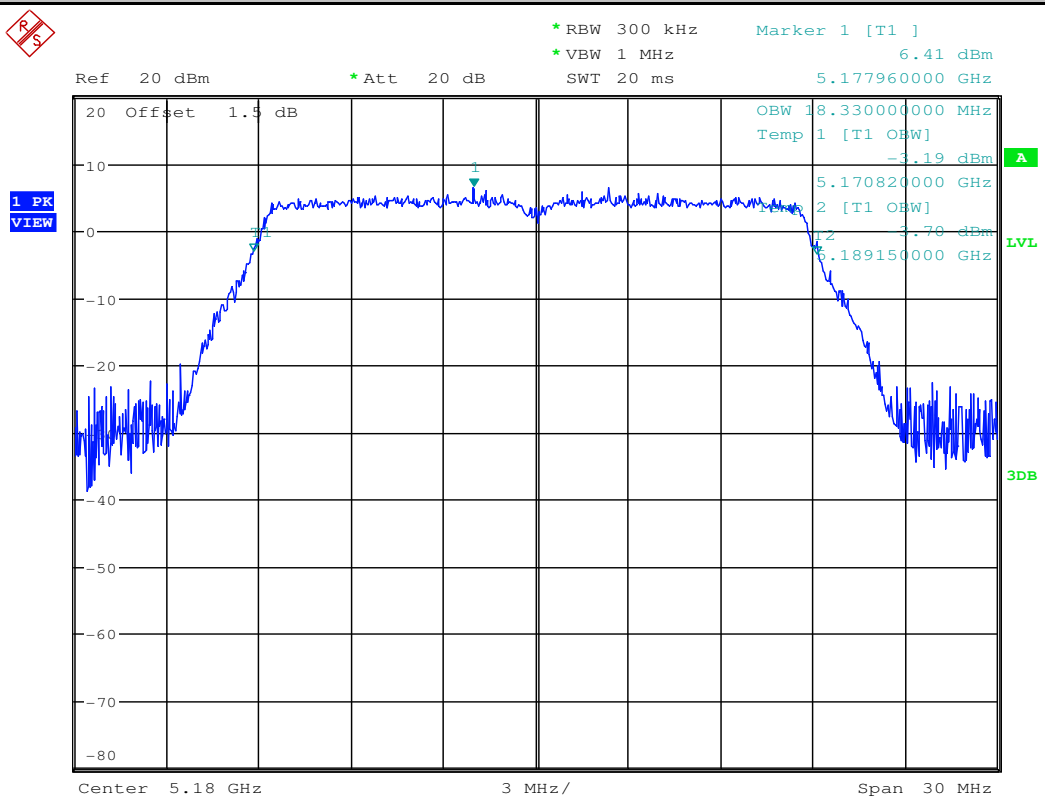
Occupied Bandwidth Measurement_11A_5320_Ant2



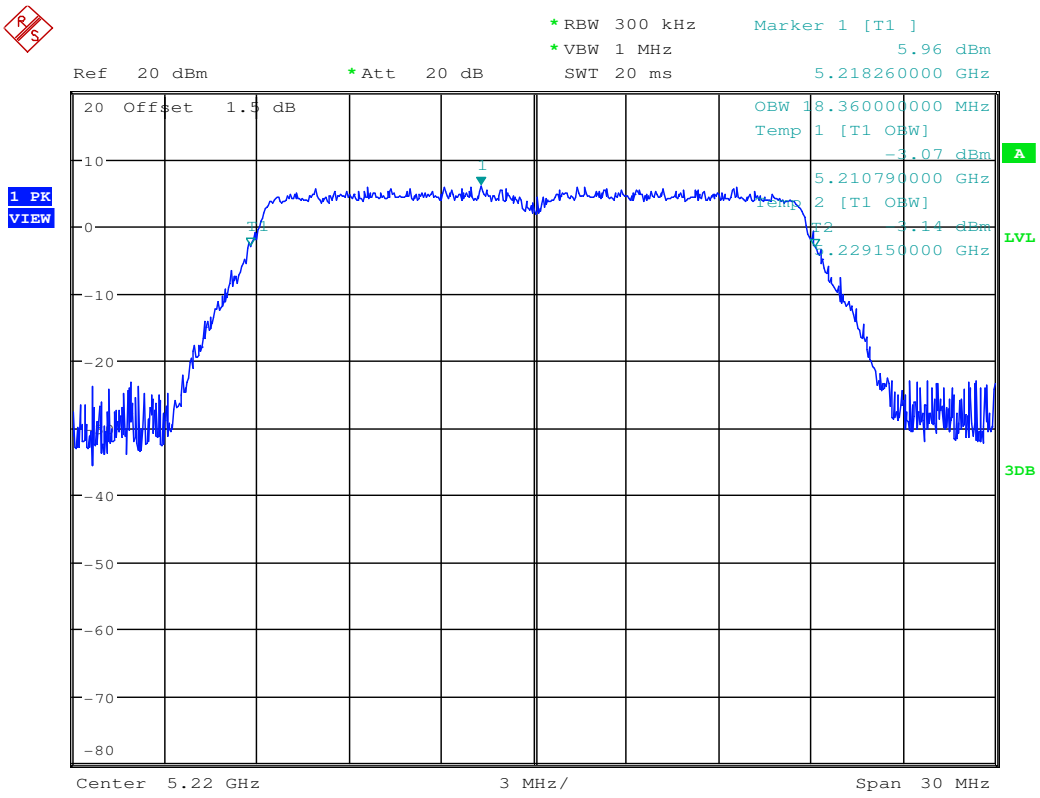
Occupied Bandwidth Measurement_11N20_5180_Ant1



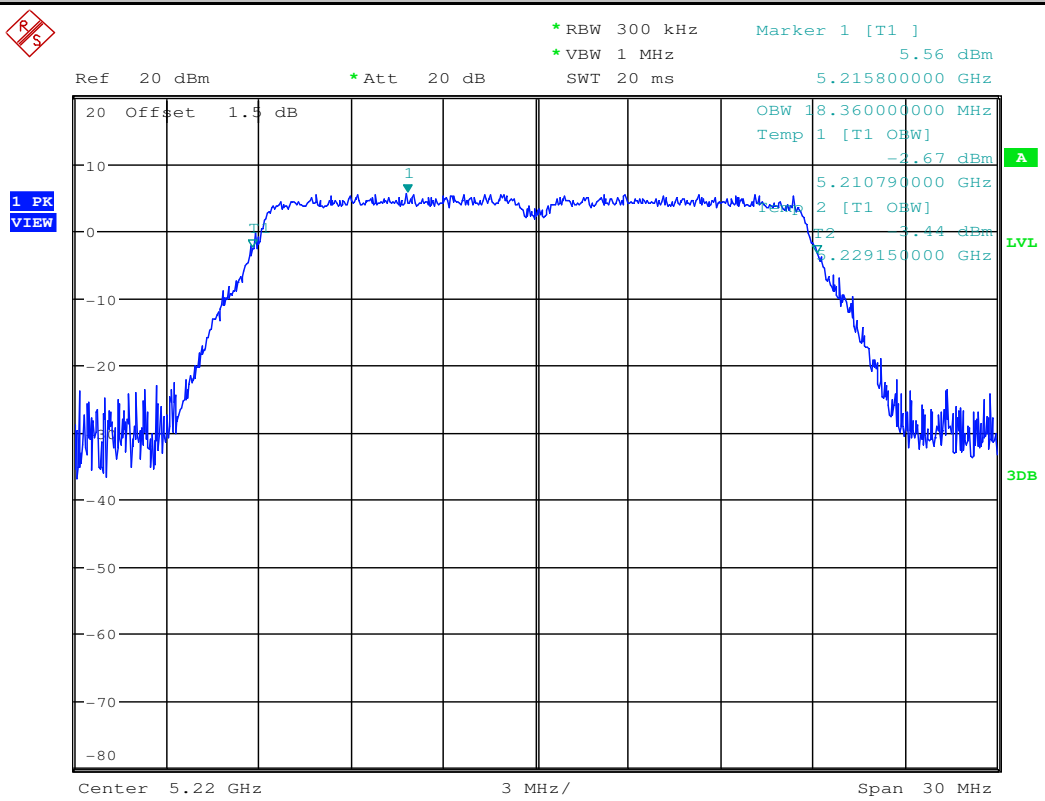
Occupied Bandwidth Measurement_11N20_5180_Ant2



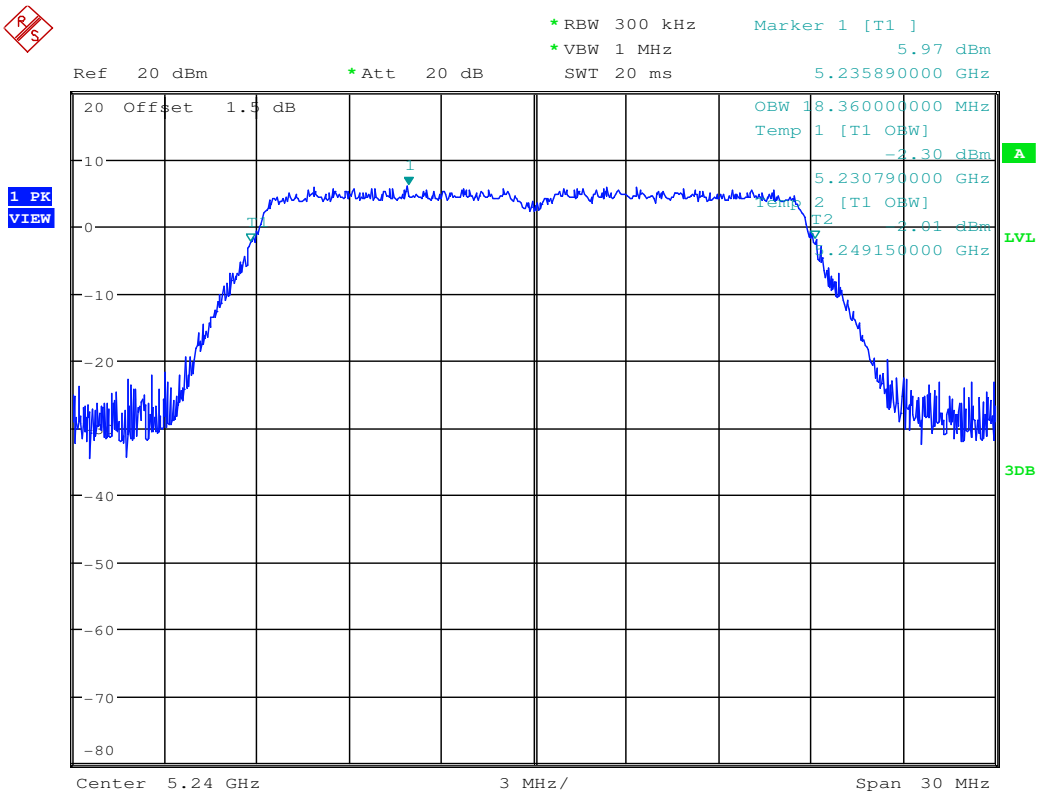
Occupied Bandwidth Measurement_11N20_5220_Ant1



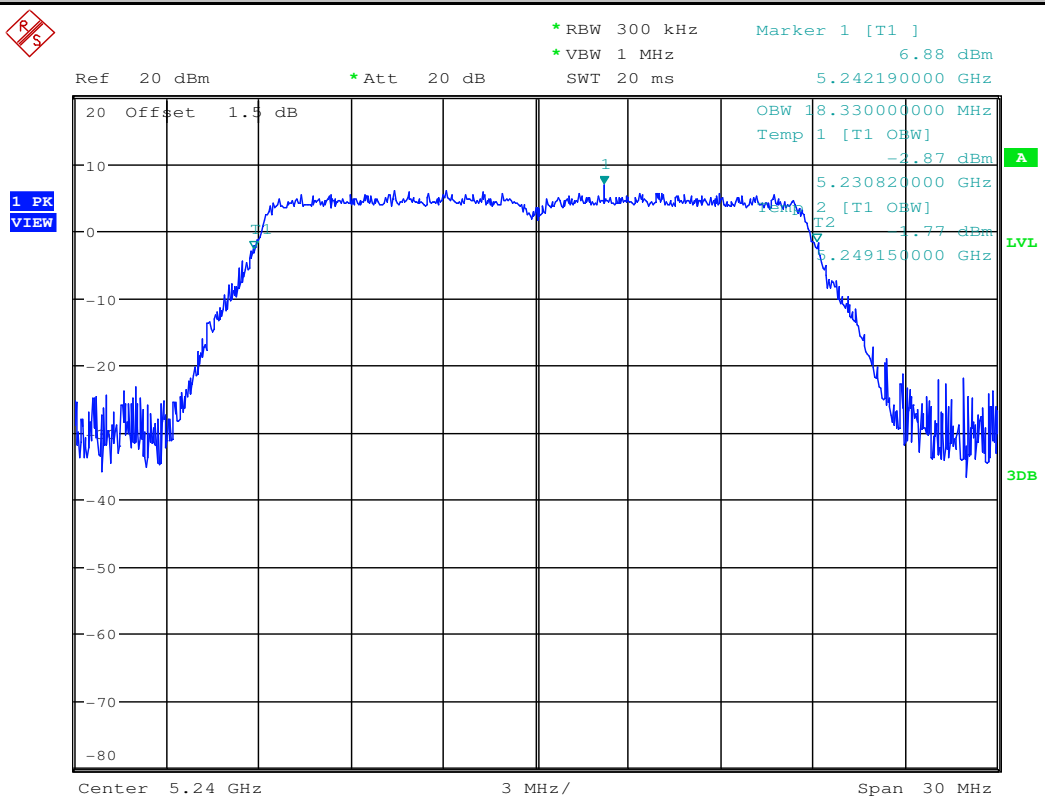
Occupied Bandwidth Measurement_11N20_5220_Ant2



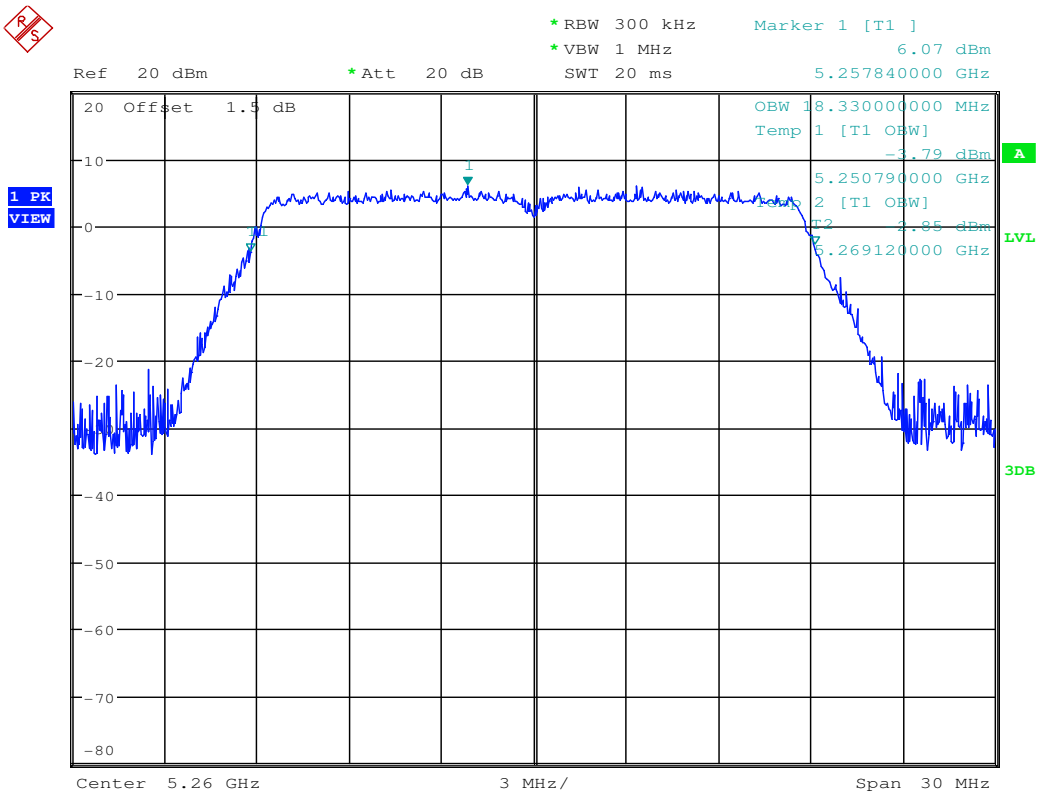
Occupied Bandwidth Measurement_11N20_5240_Ant1



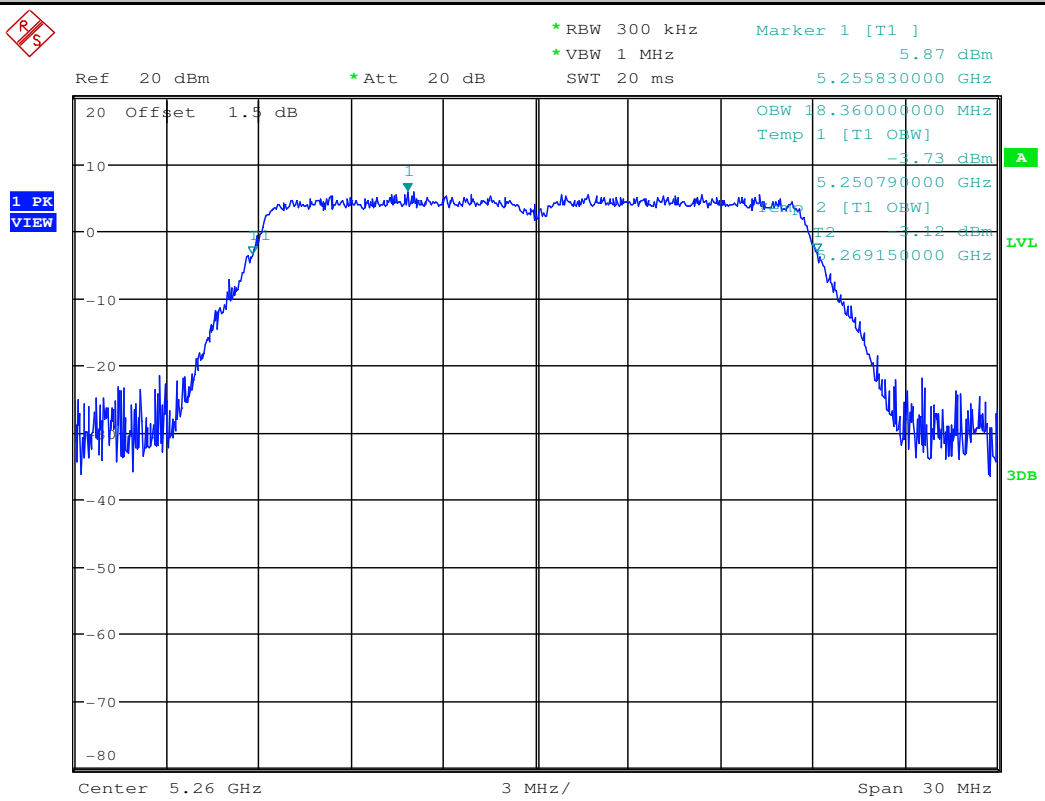
Occupied Bandwidth Measurement_11N20_5240_Ant2



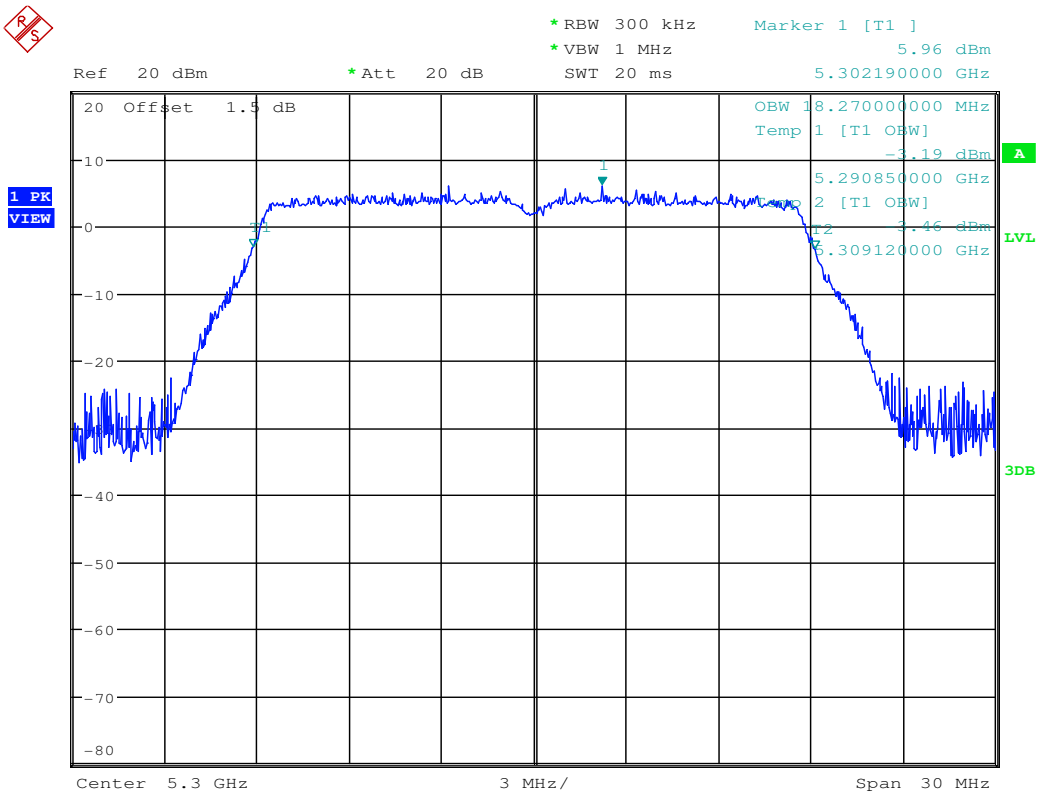
Occupied Bandwidth Measurement_11N20_5260_Ant1



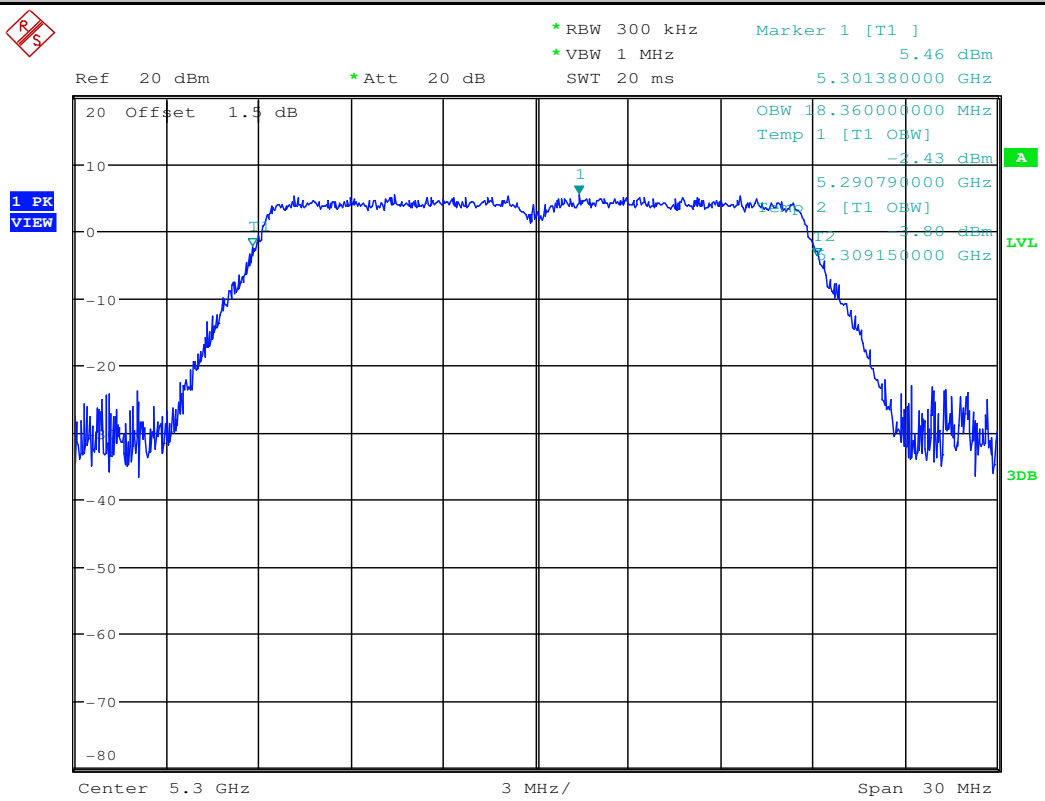
Occupied Bandwidth Measurement_11N20_5260_Ant2



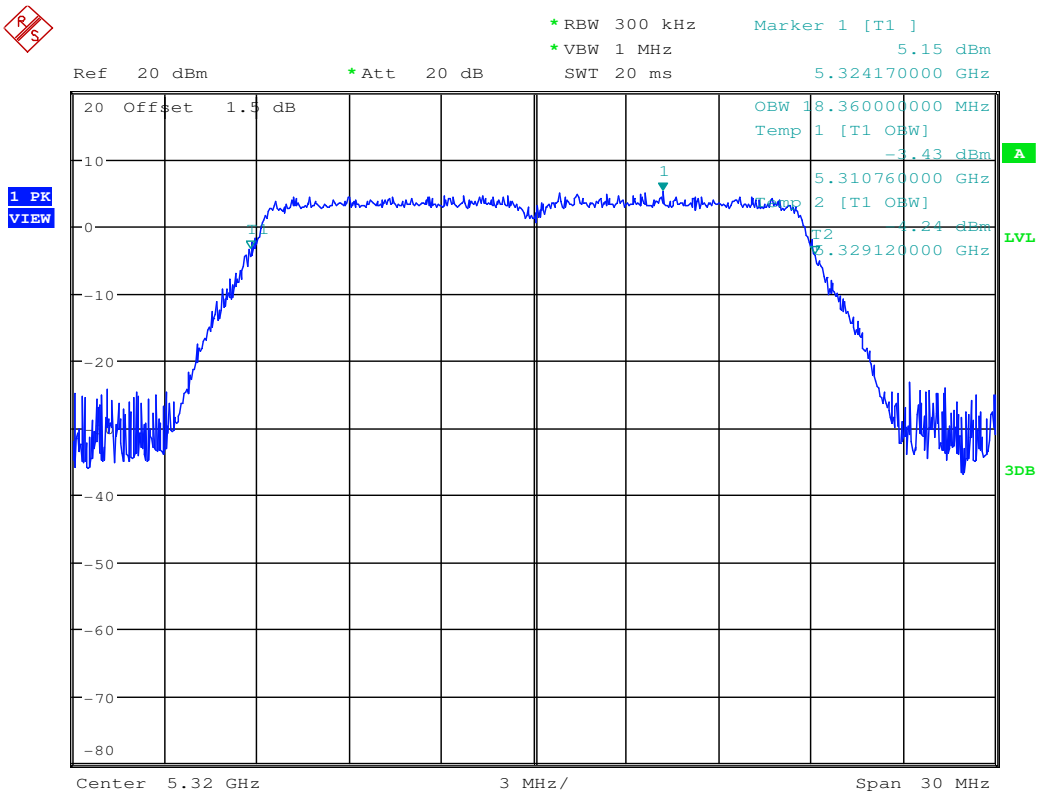
Occupied Bandwidth Measurement_11N20_5300_Ant1



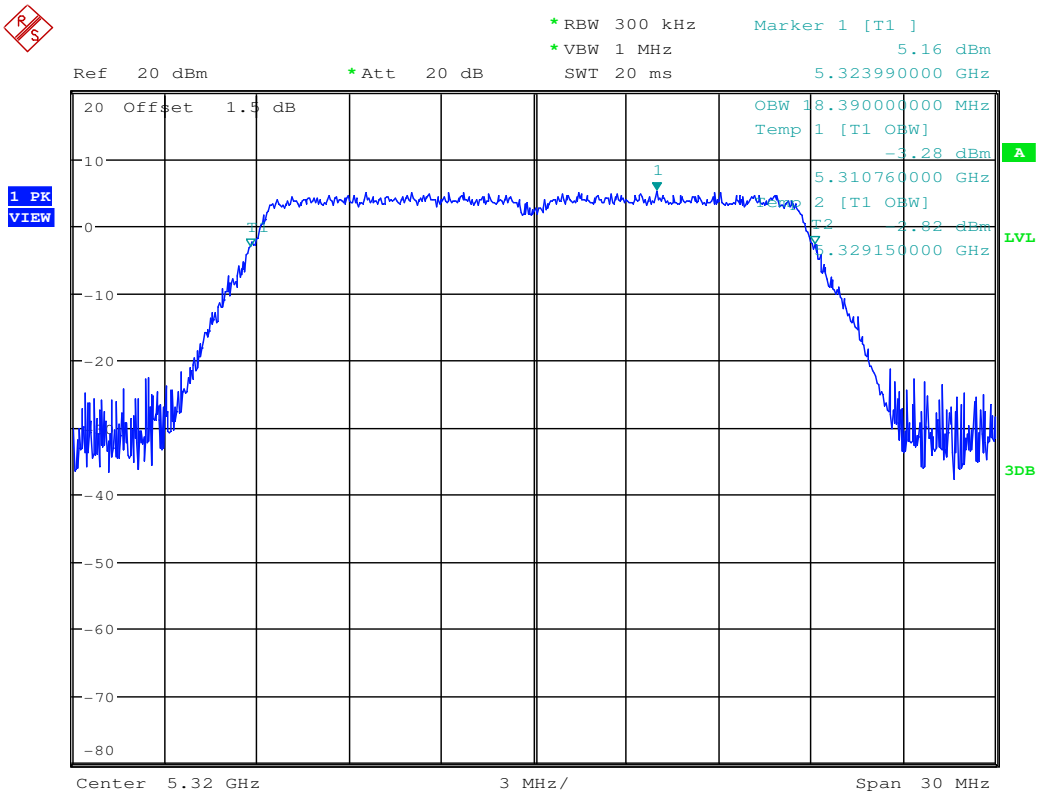
Occupied Bandwidth Measurement_11N20_5300_Ant2



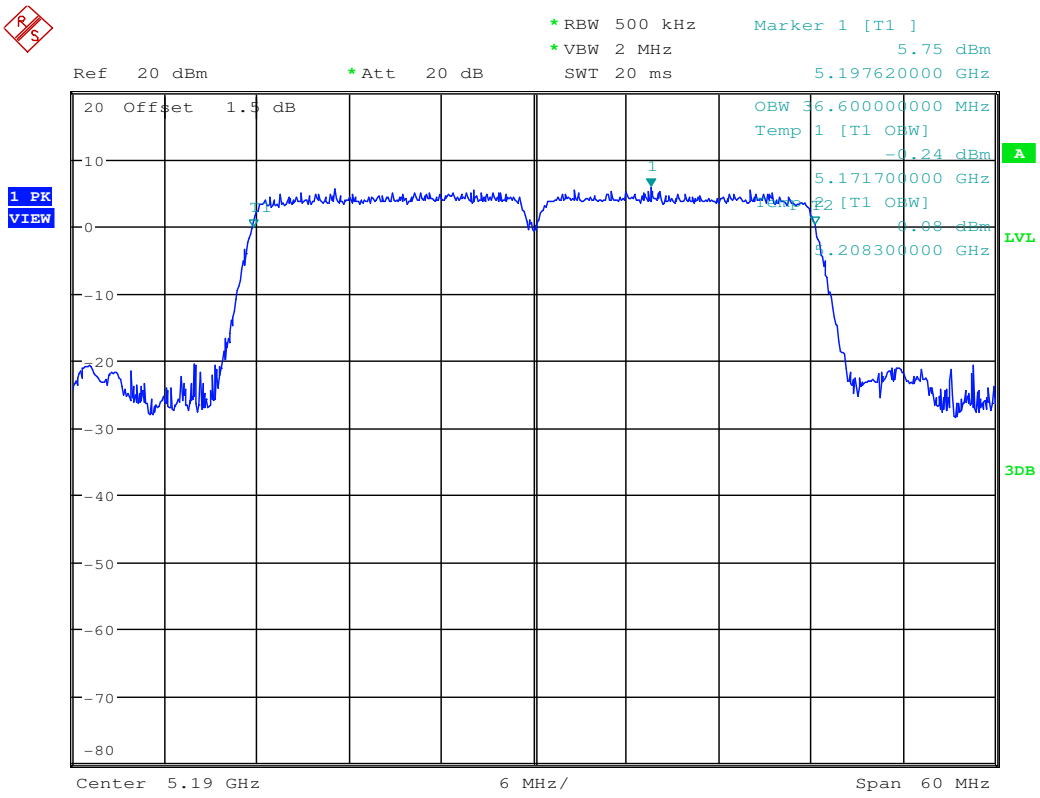
Occupied Bandwidth Measurement_11N20_5320_Ant1



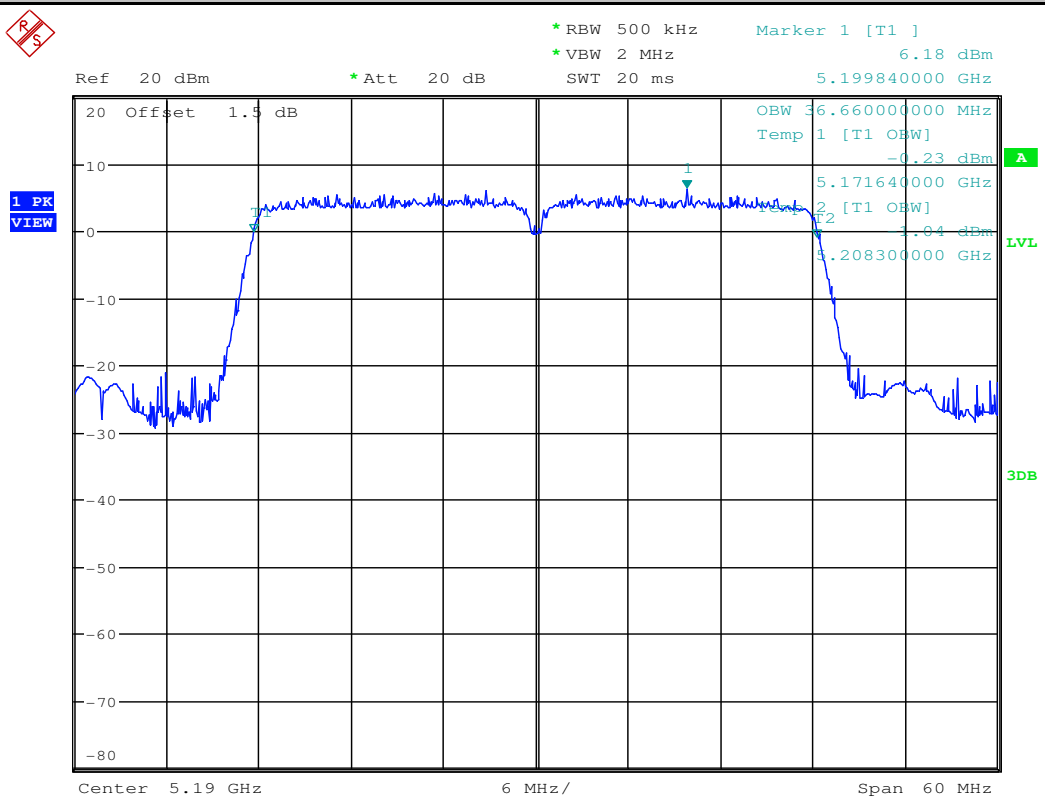
Occupied Bandwidth Measurement_11N20_5320_Ant2



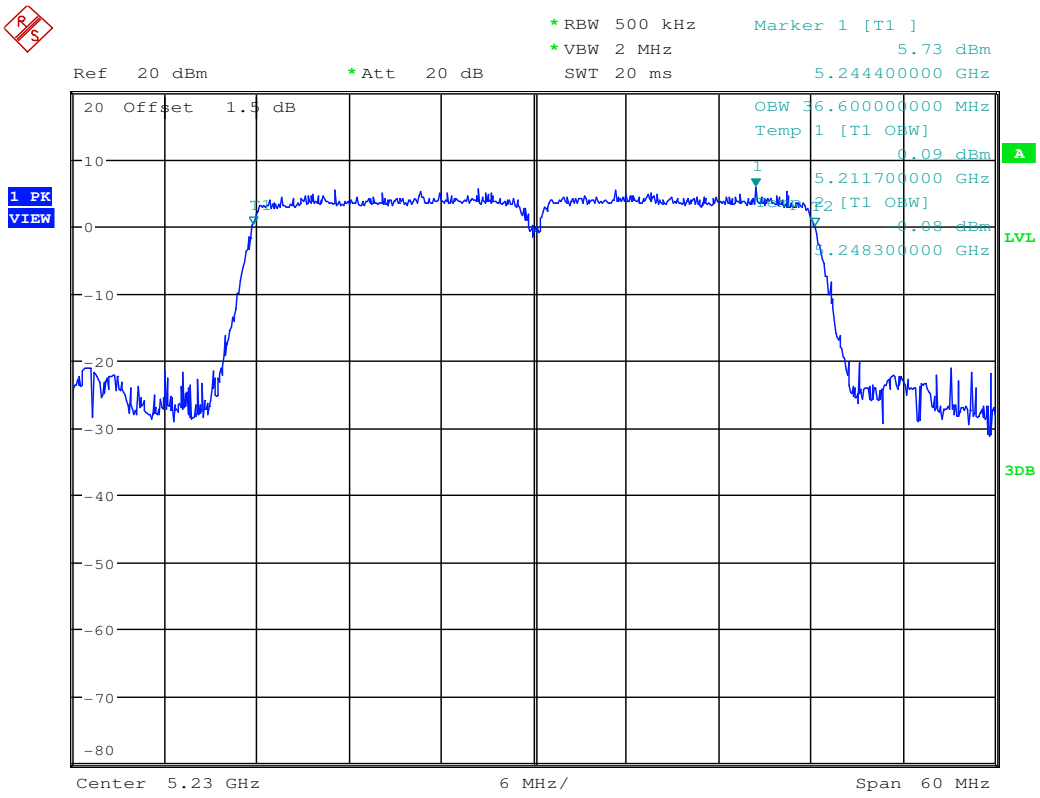
Occupied Bandwidth Measurement_11N40_5190_Ant1



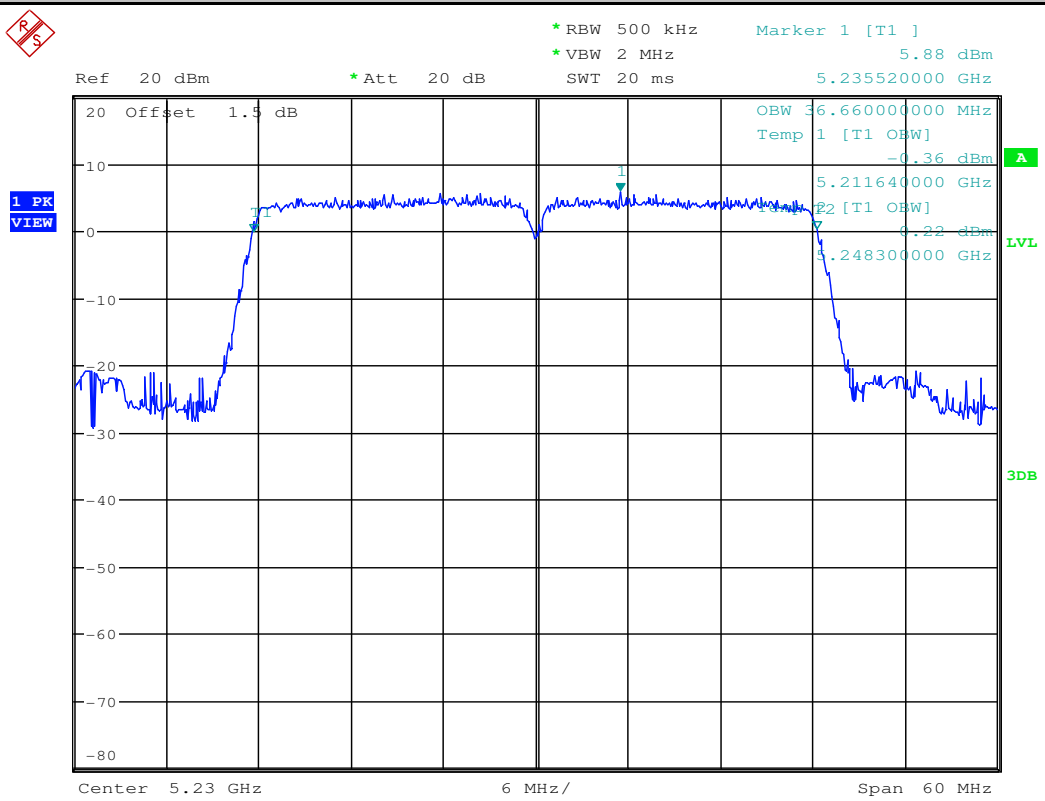
Occupied Bandwidth Measurement_11N40_5190_Ant2



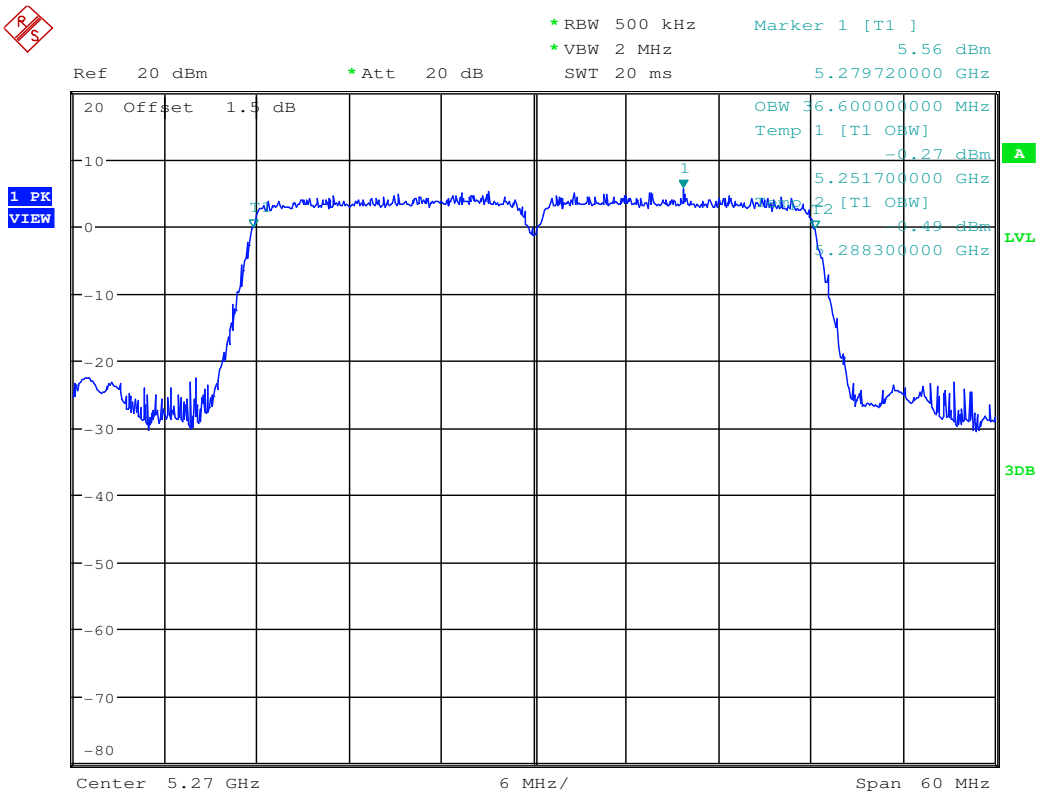
Occupied Bandwidth Measurement_11N40_5230_Ant1



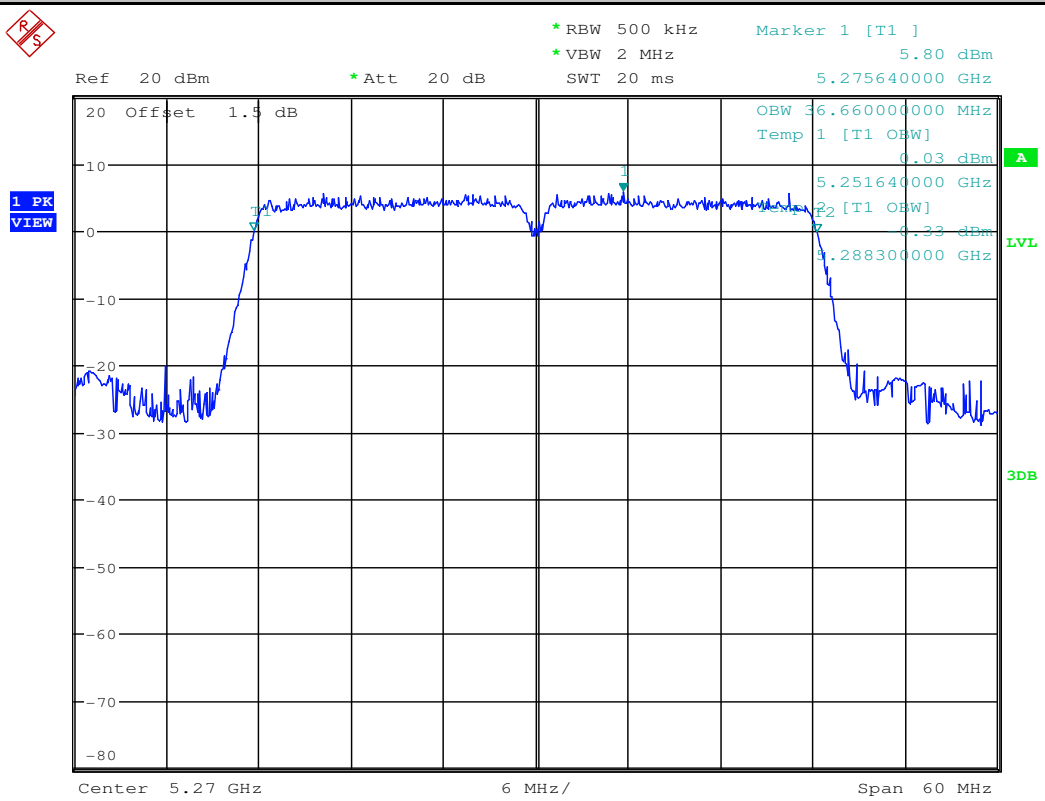
Occupied Bandwidth Measurement_11N40_5230_Ant2



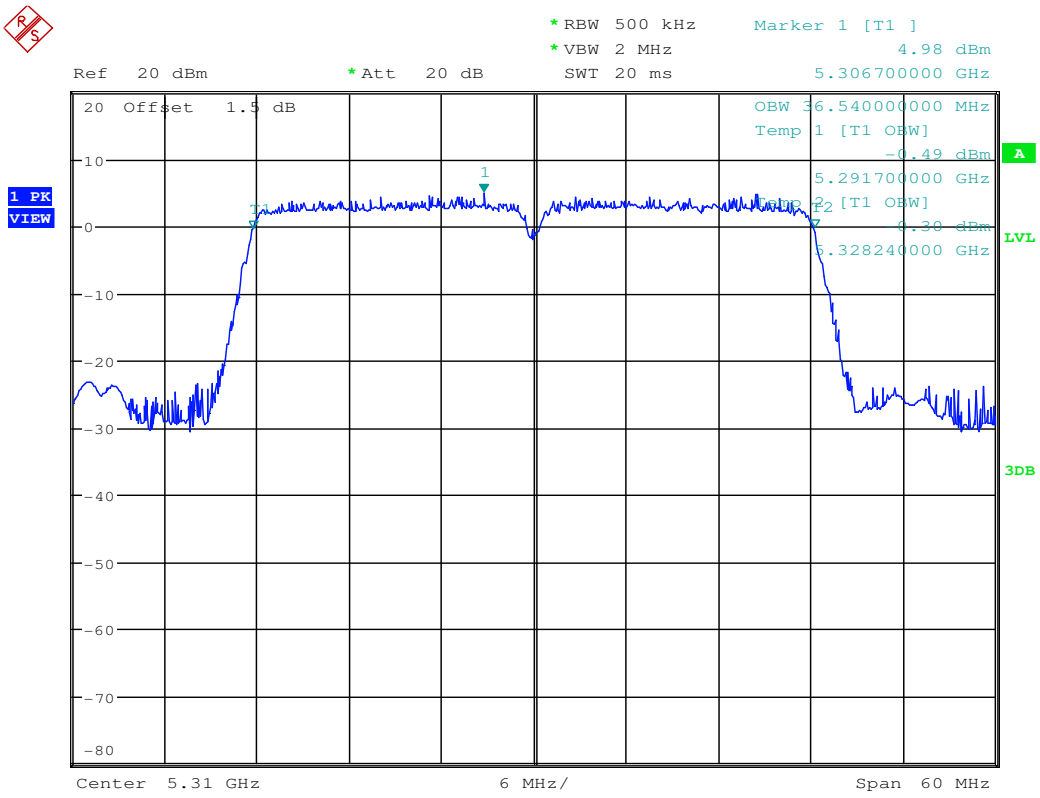
Occupied Bandwidth Measurement_11N40_5270_Ant1



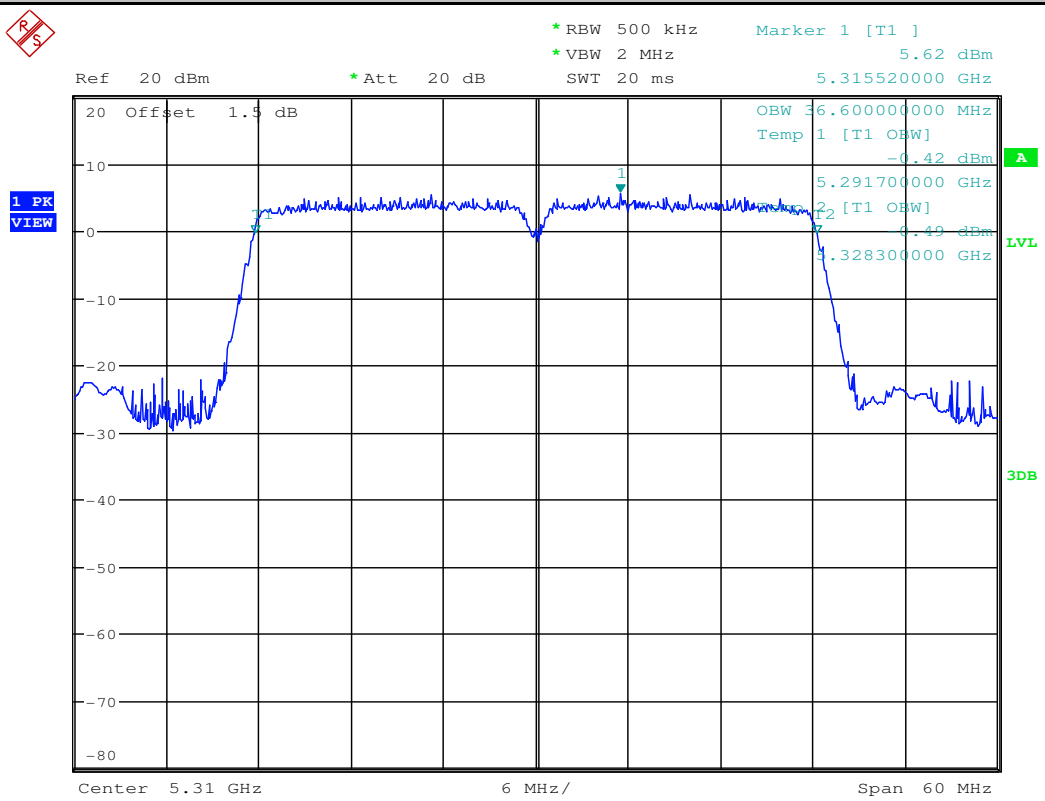
Occupied Bandwidth Measurement_11N40_5270_Ant2



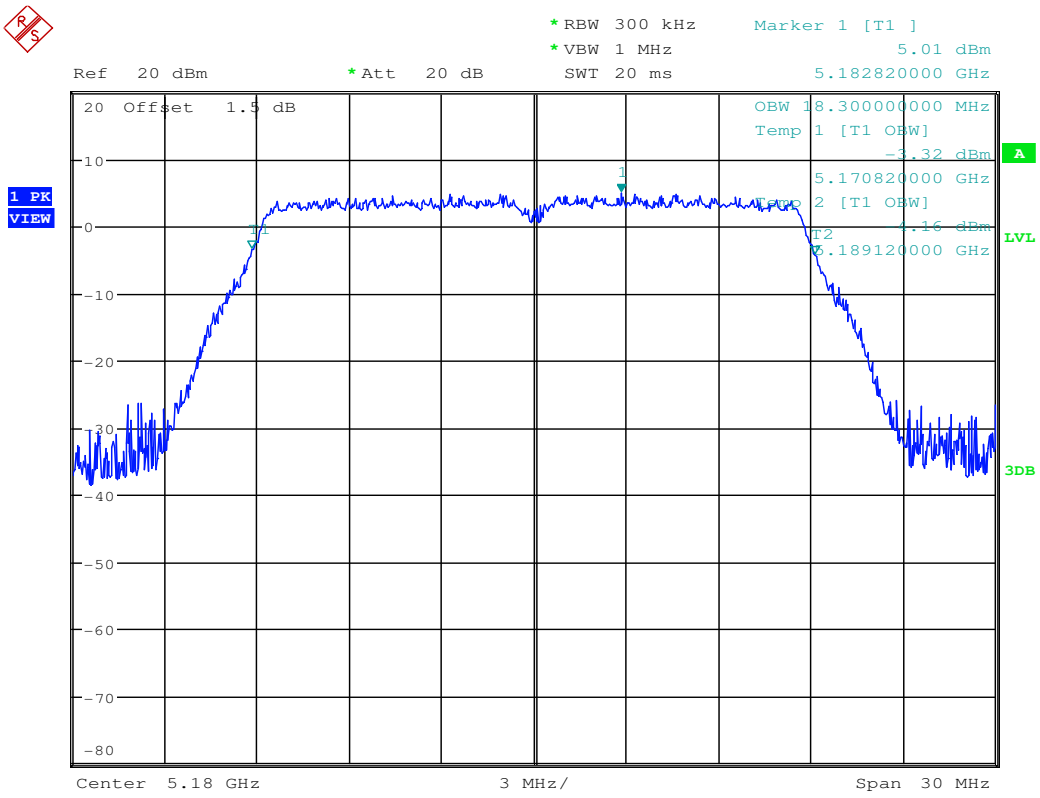
Occupied Bandwidth Measurement_11N40_5310_Ant1



Occupied Bandwidth Measurement_11N40_5310_Ant2



Occupied Bandwidth Measurement_11AC20_5180_Ant1



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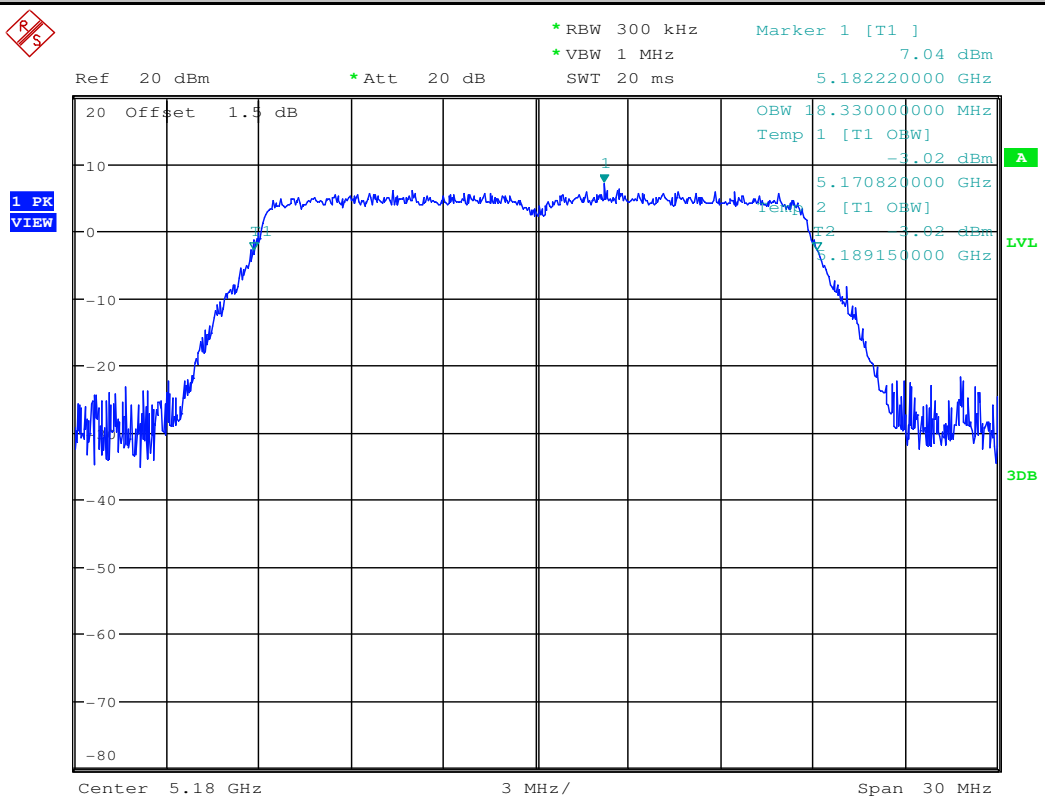
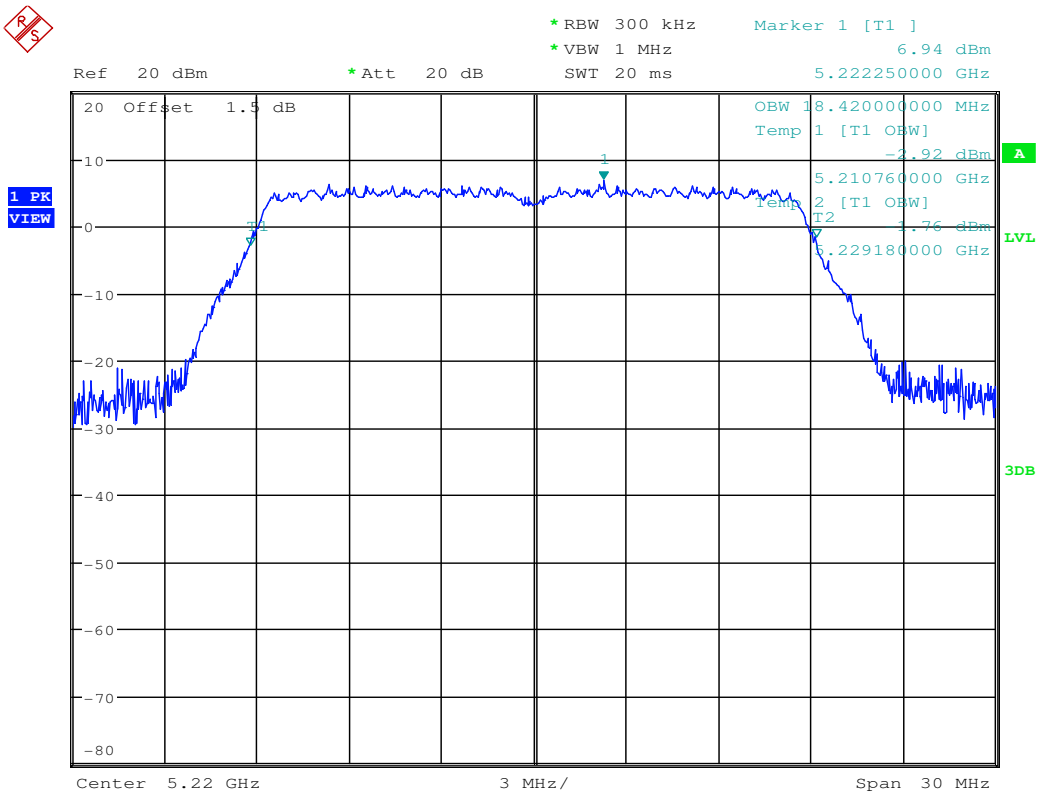


Occupied Bandwidth Measurement_11AC20_5220_Ant1



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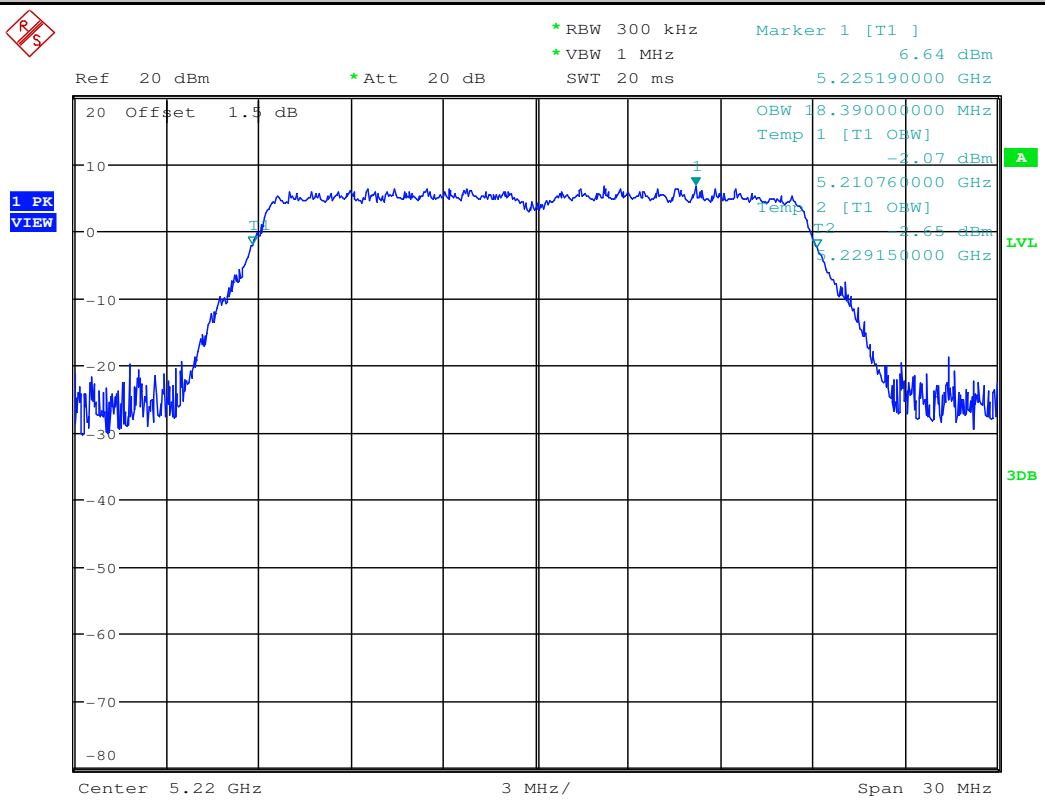
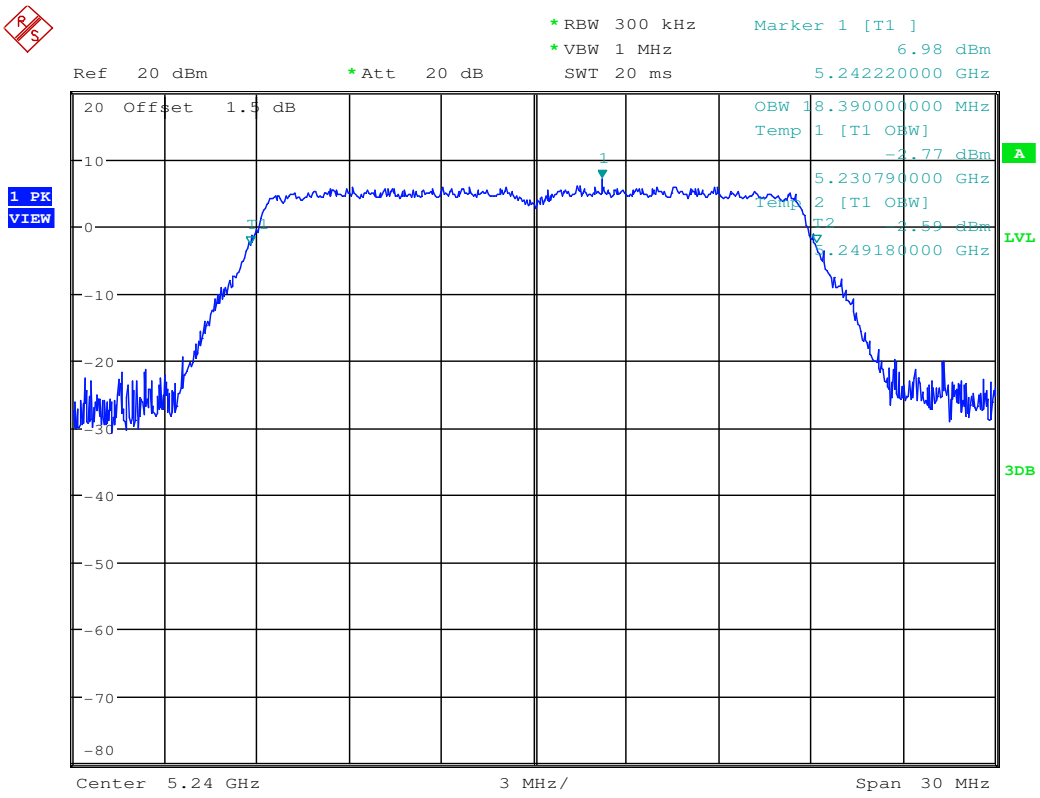
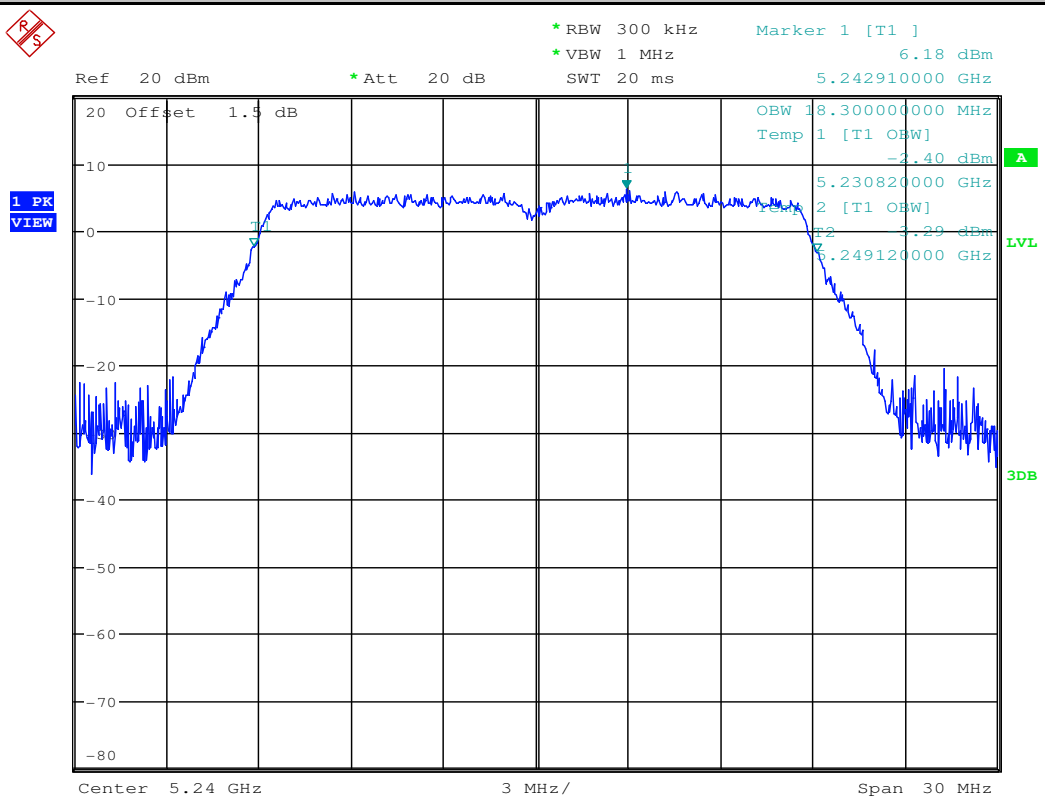


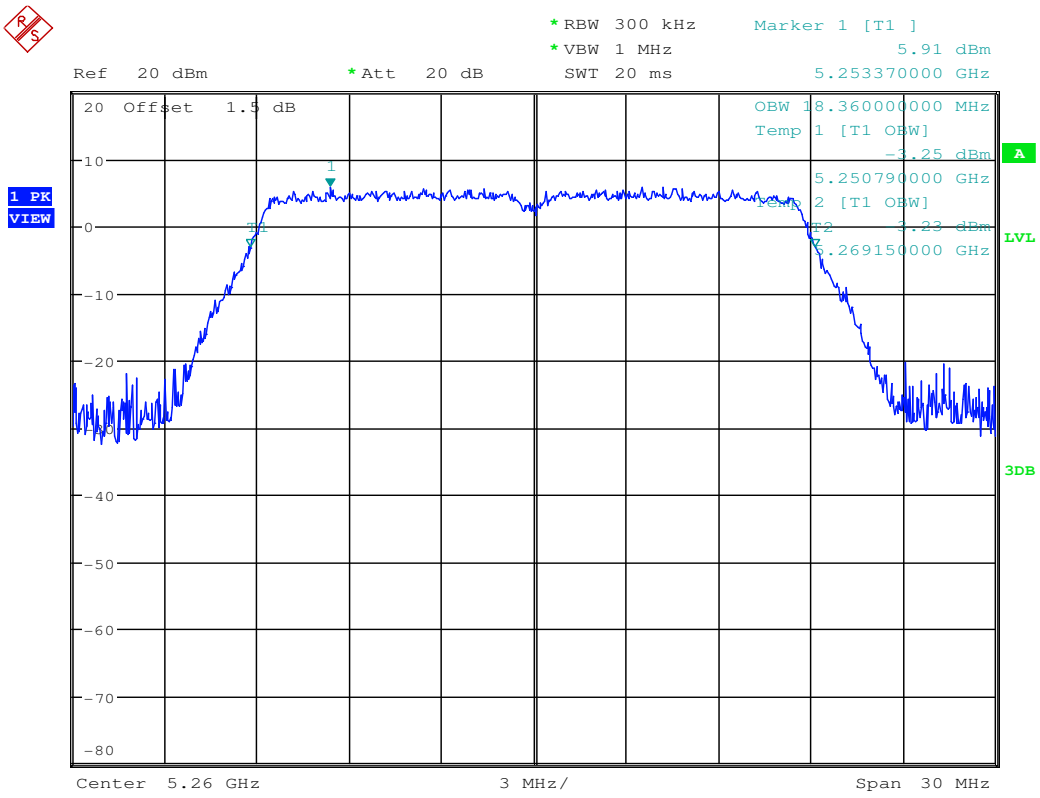
Occupied Bandwidth Measurement_11AC20_5240_Ant1



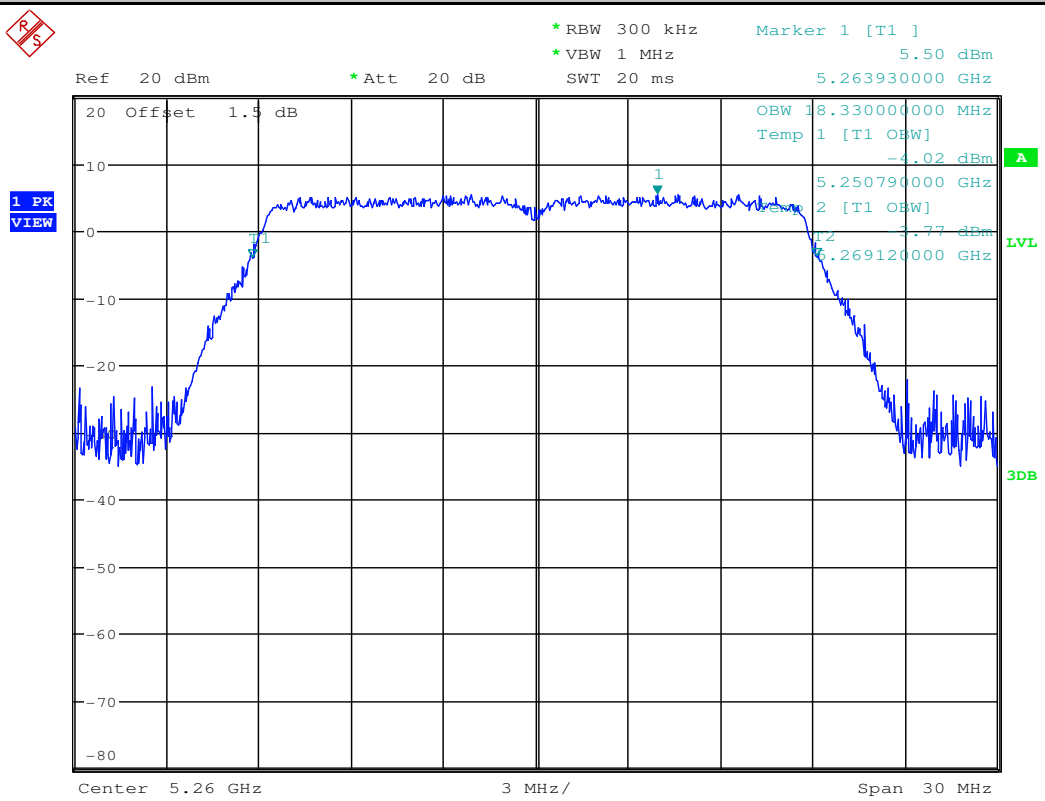
Occupied Bandwidth Measurement_11AC20_5240_Ant2



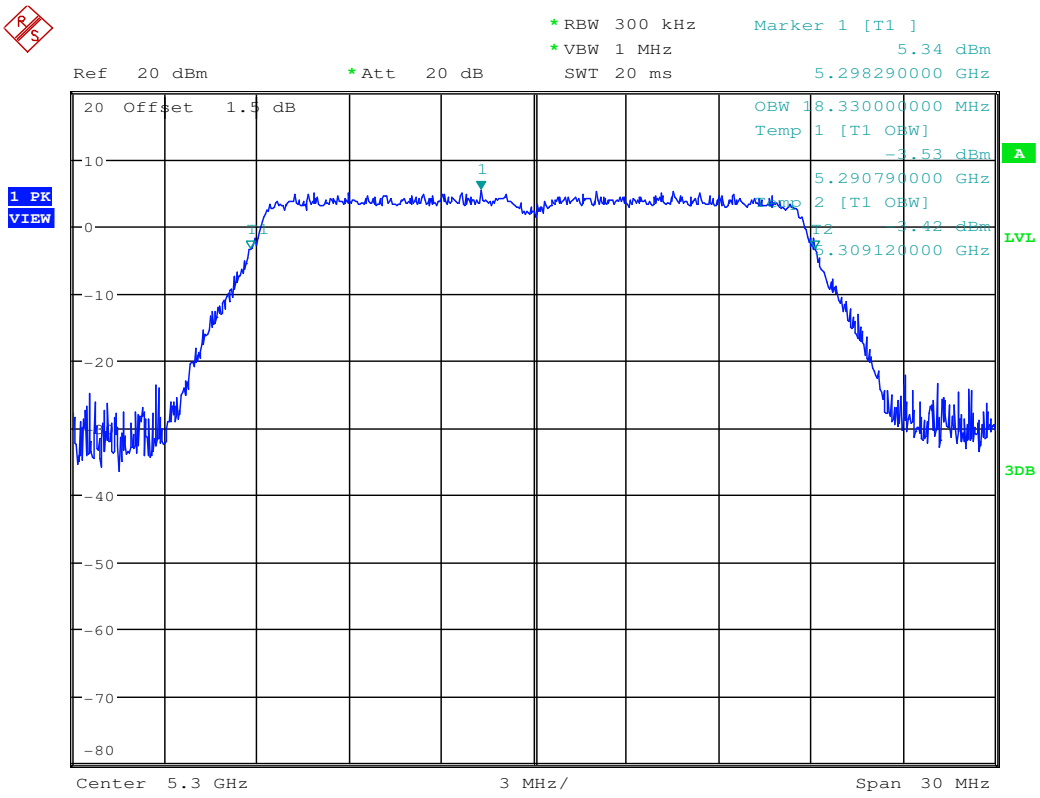
Occupied Bandwidth Measurement_11AC20_5260_Ant1



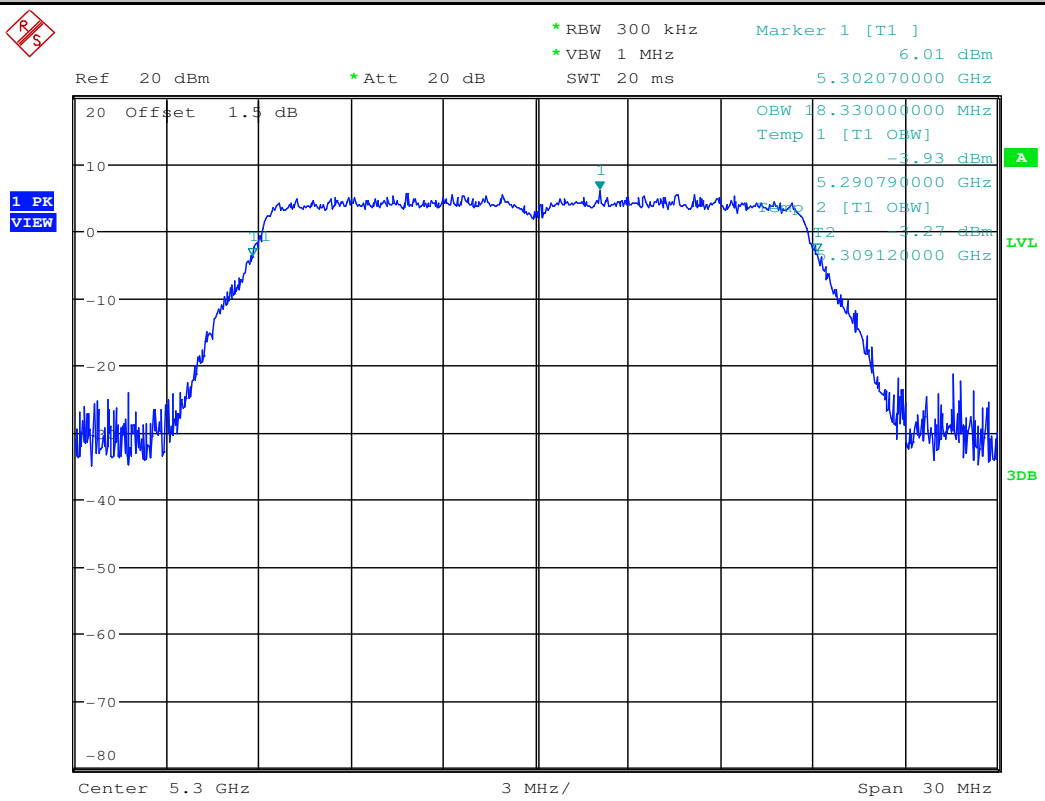
Occupied Bandwidth Measurement_11AC20_5260_Ant2



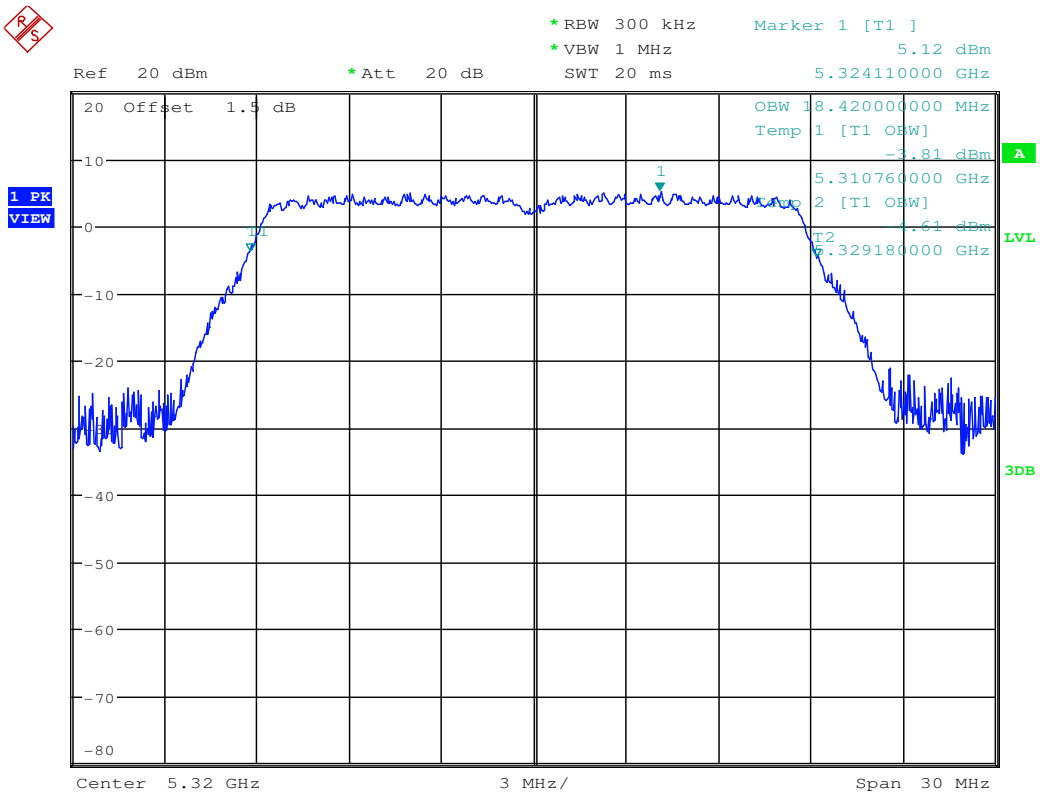
Occupied Bandwidth Measurement_11AC20_5300_Ant1



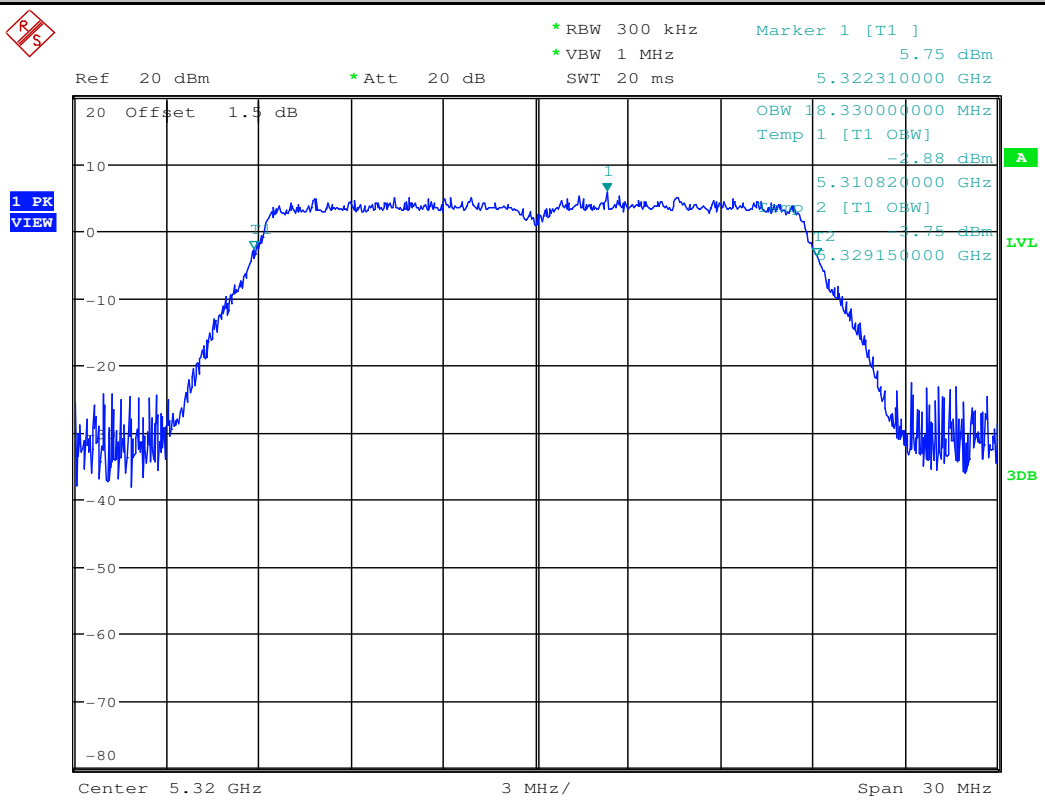
Occupied Bandwidth Measurement_11AC20_5300_Ant2



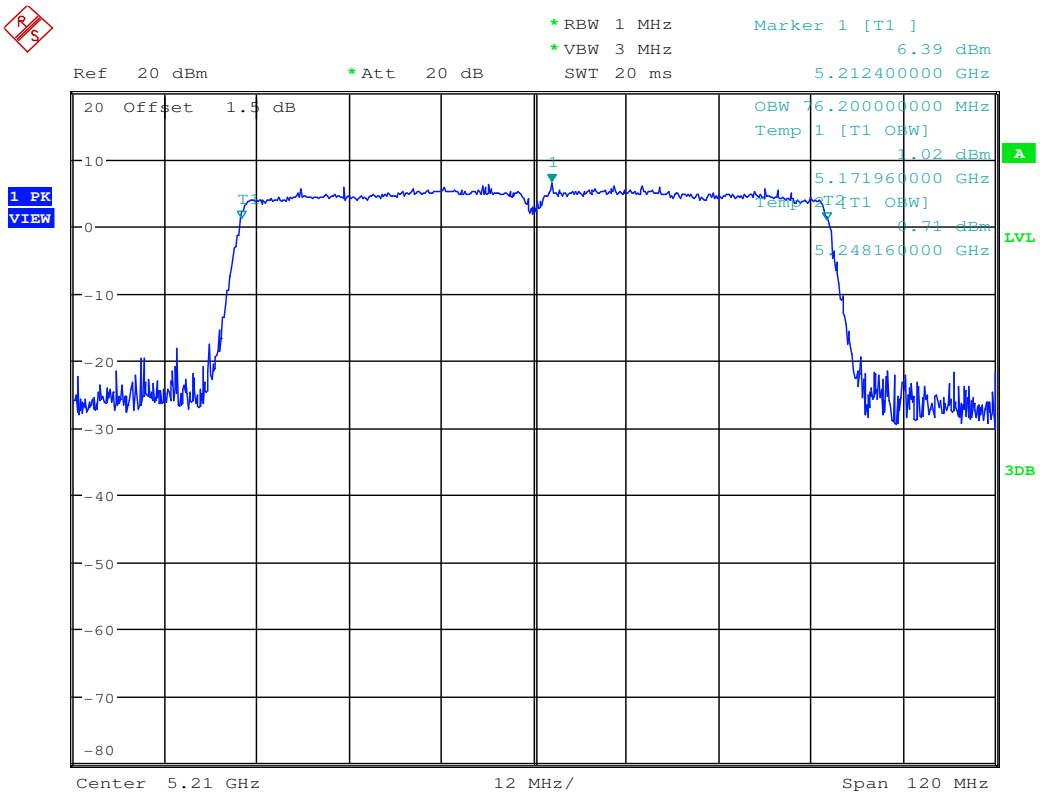
Occupied Bandwidth Measurement_11AC20_5320_Ant1



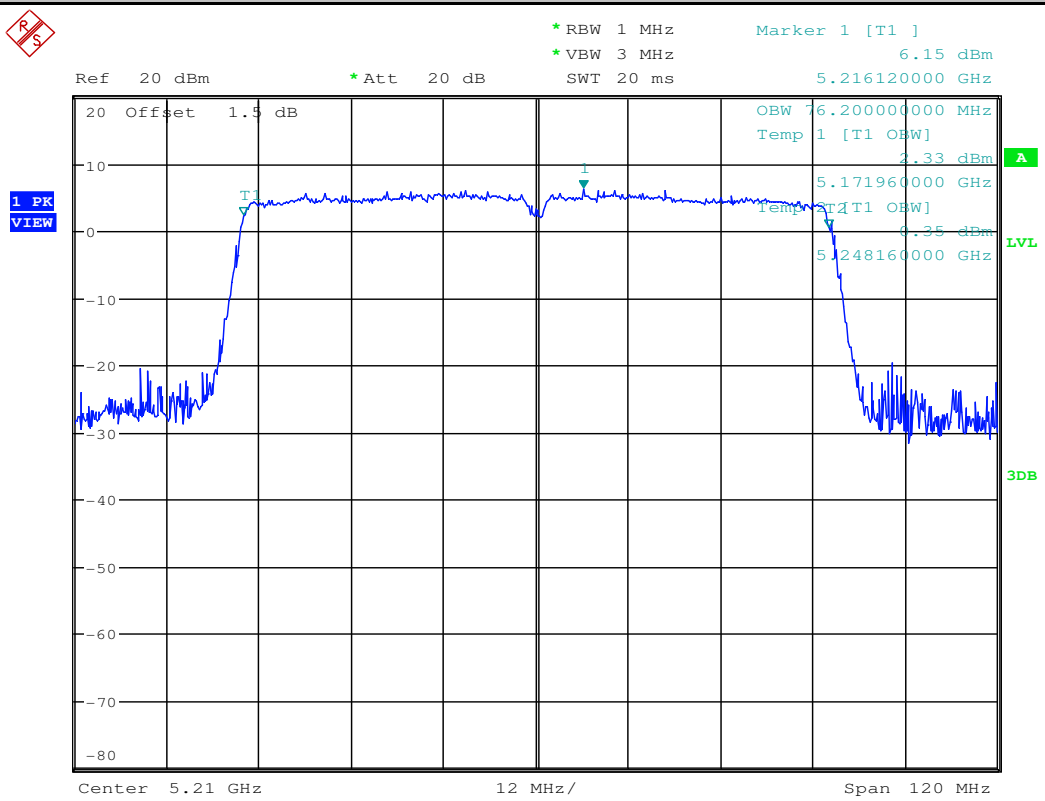
Occupied Bandwidth Measurement_11AC20_5320_Ant2



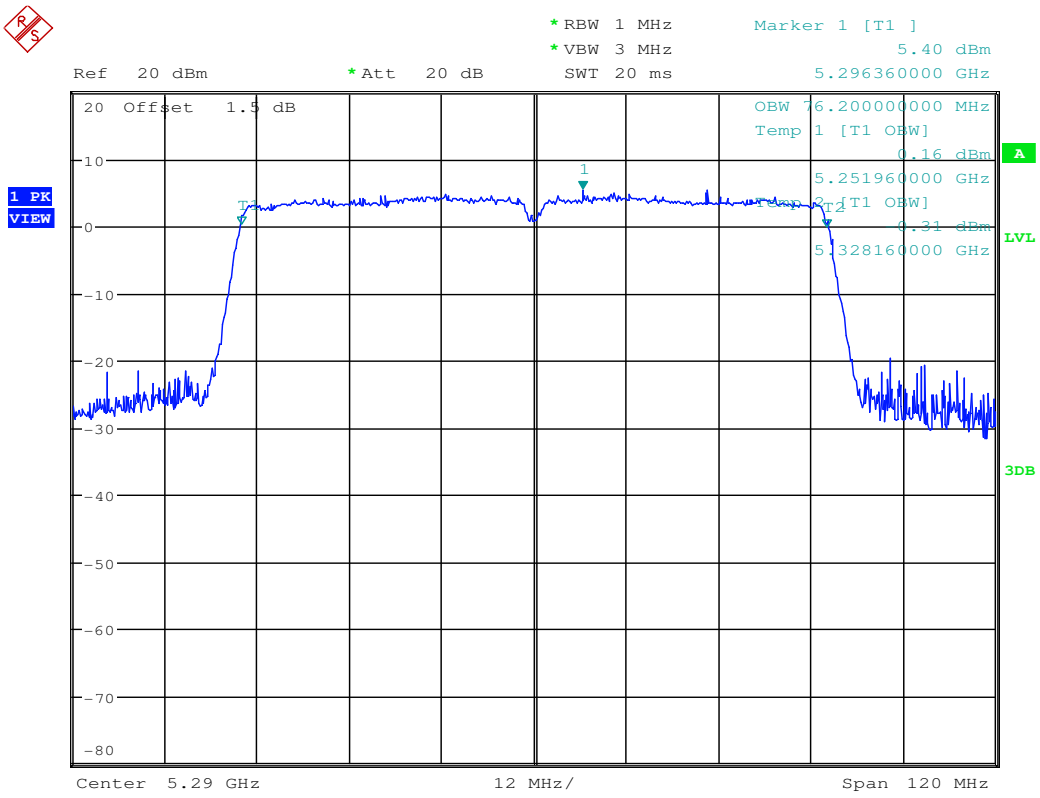
Occupied Bandwidth Measurement_11AC80_5210_Ant1



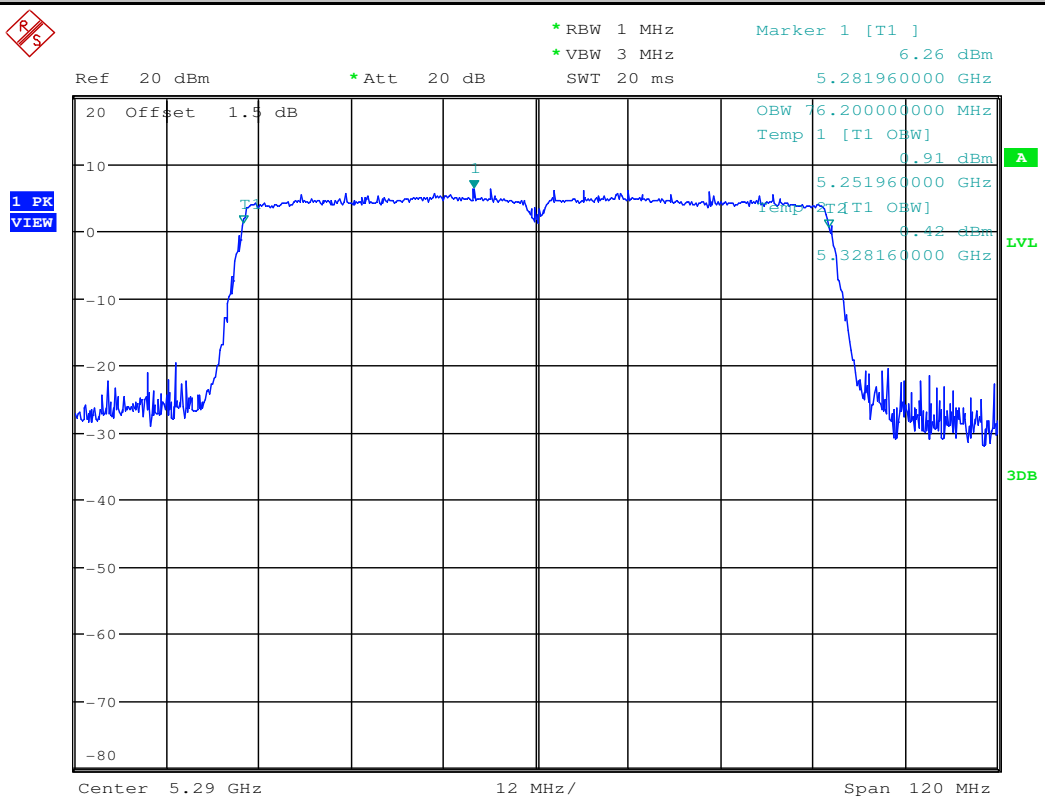
Occupied Bandwidth Measurement_11AC80_5210_Ant2



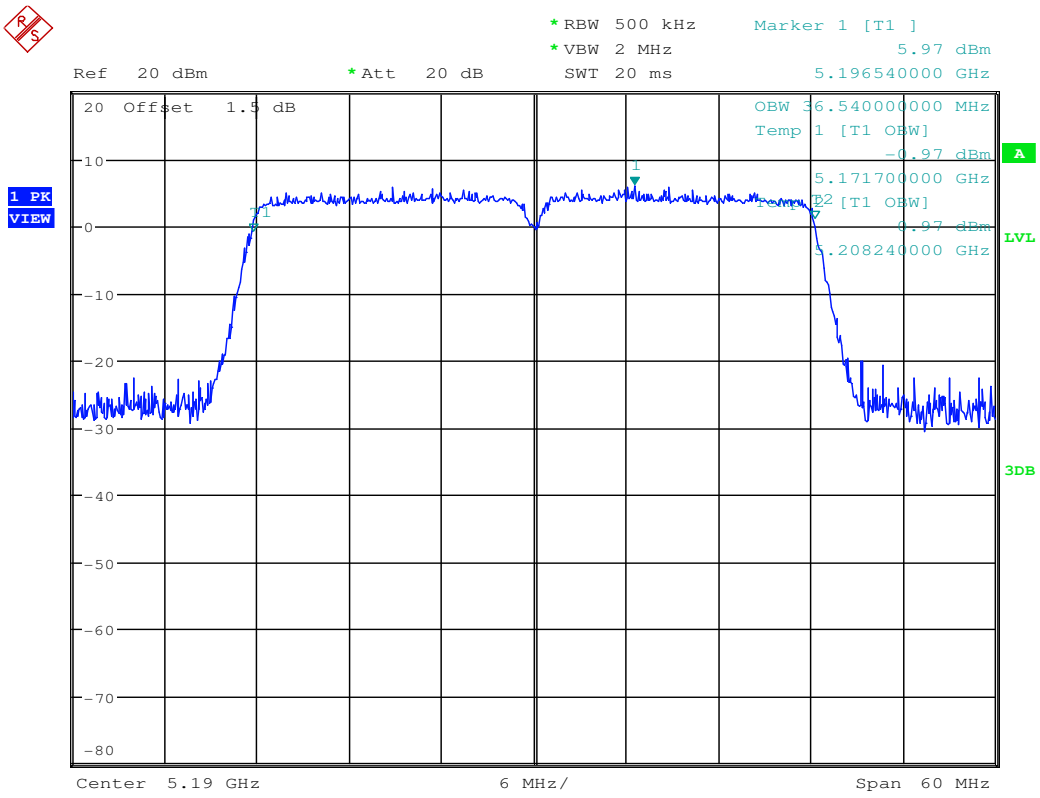
Occupied Bandwidth Measurement_11AC80_5290_Ant1



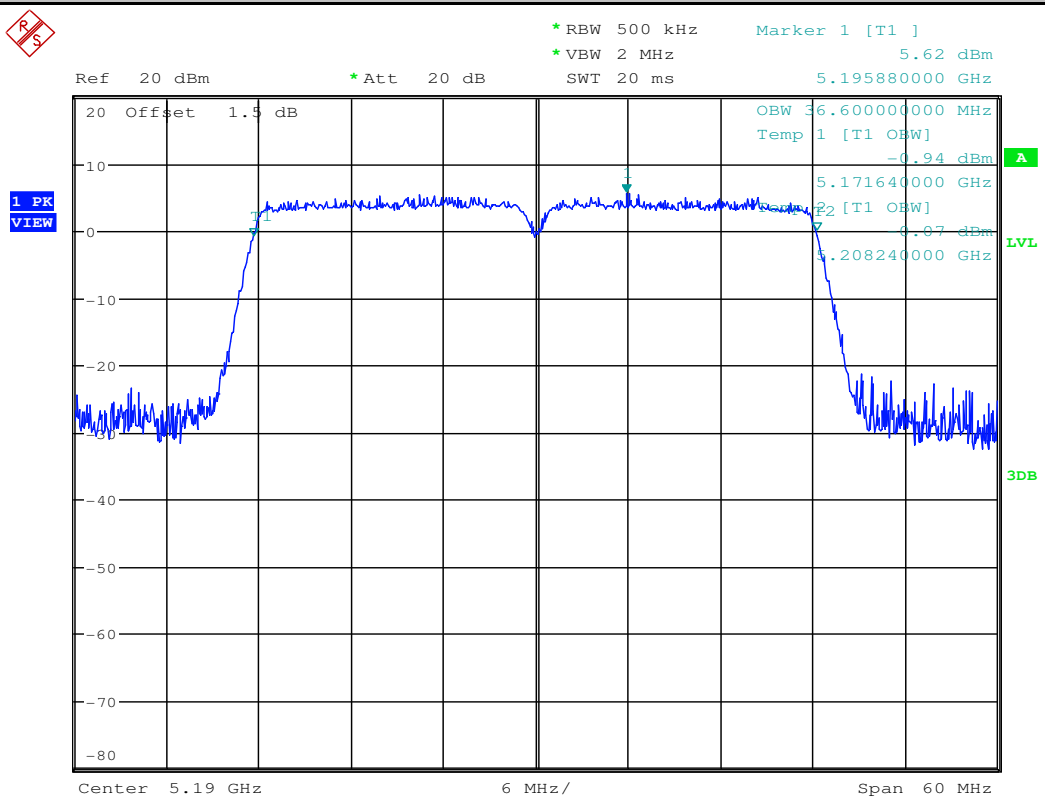
Occupied Bandwidth Measurement_11AC80_5290_Ant2



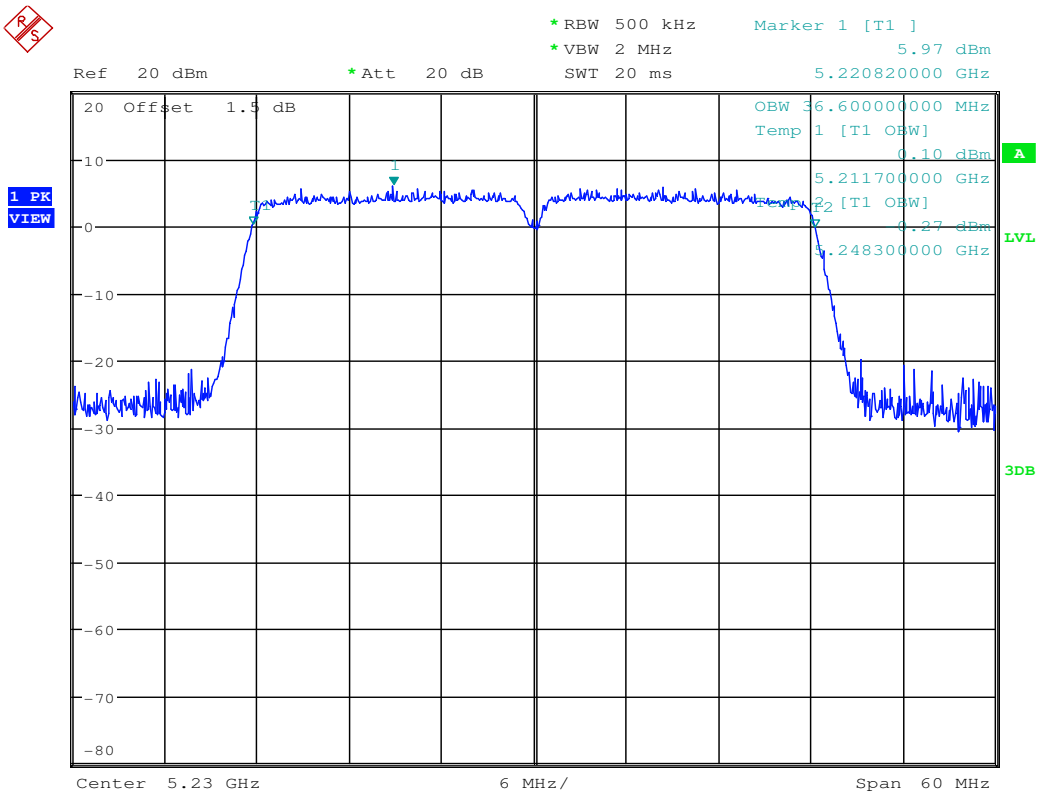
Occupied Bandwidth Measurement_11AC40_5190_Ant1



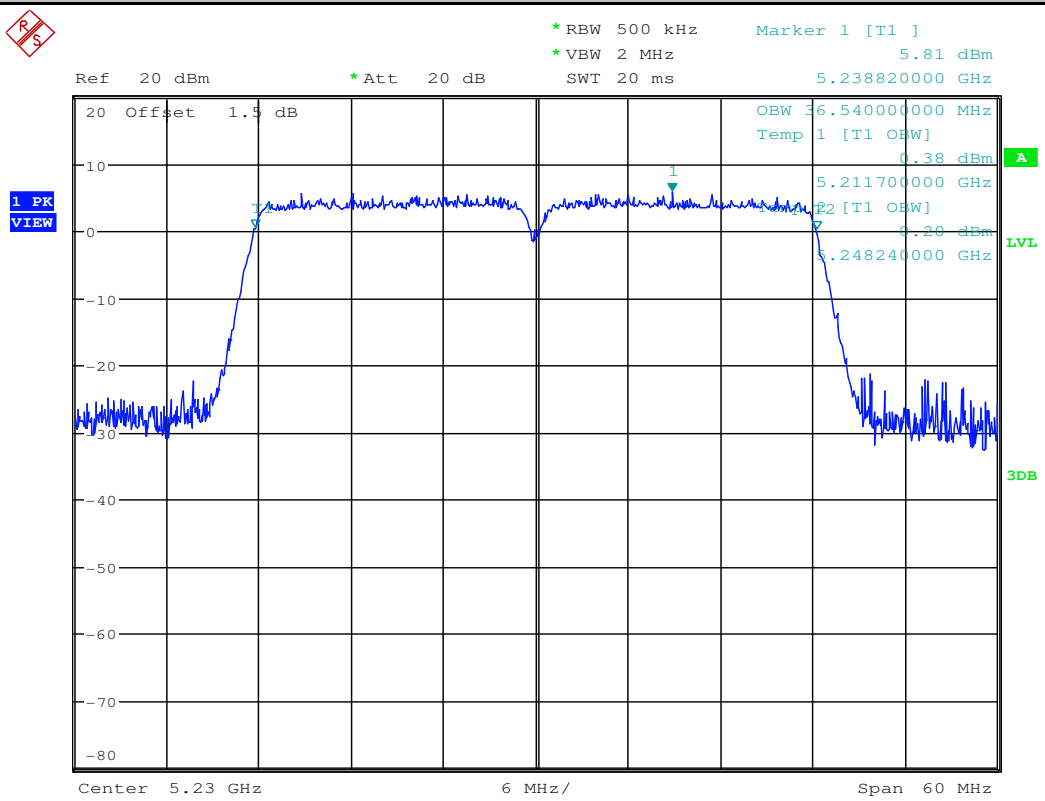
Occupied Bandwidth Measurement_11AC40_5190_Ant2



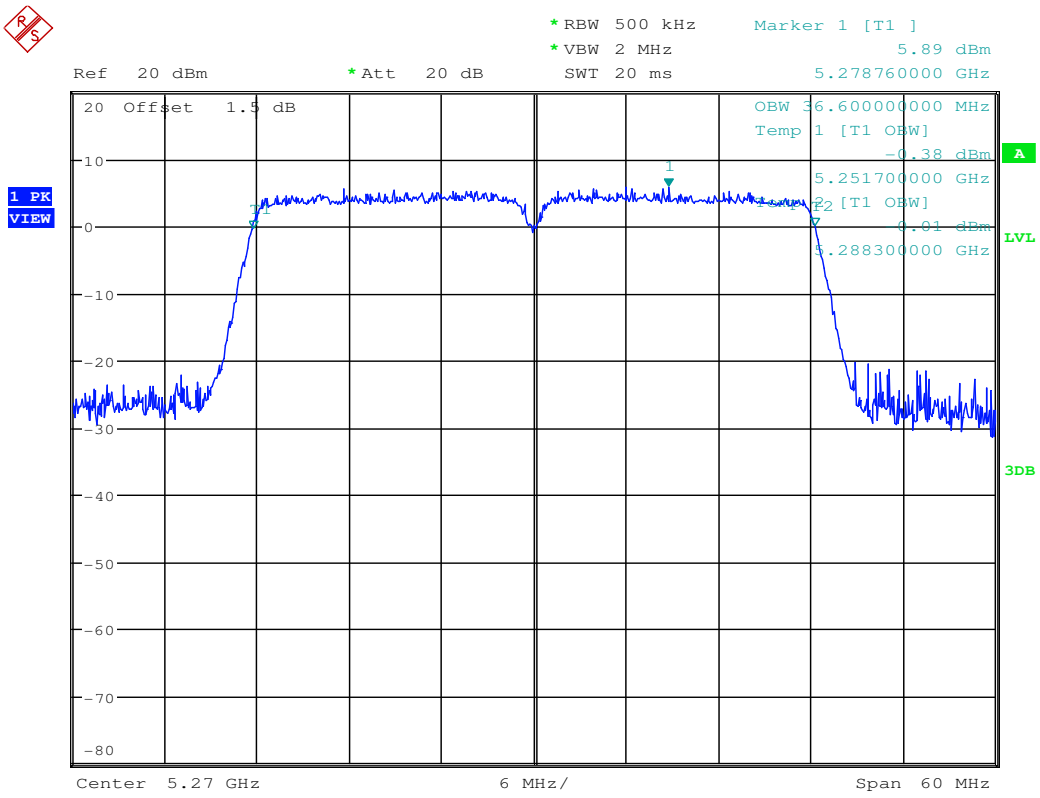
Occupied Bandwidth Measurement_11AC40_5230_Ant1



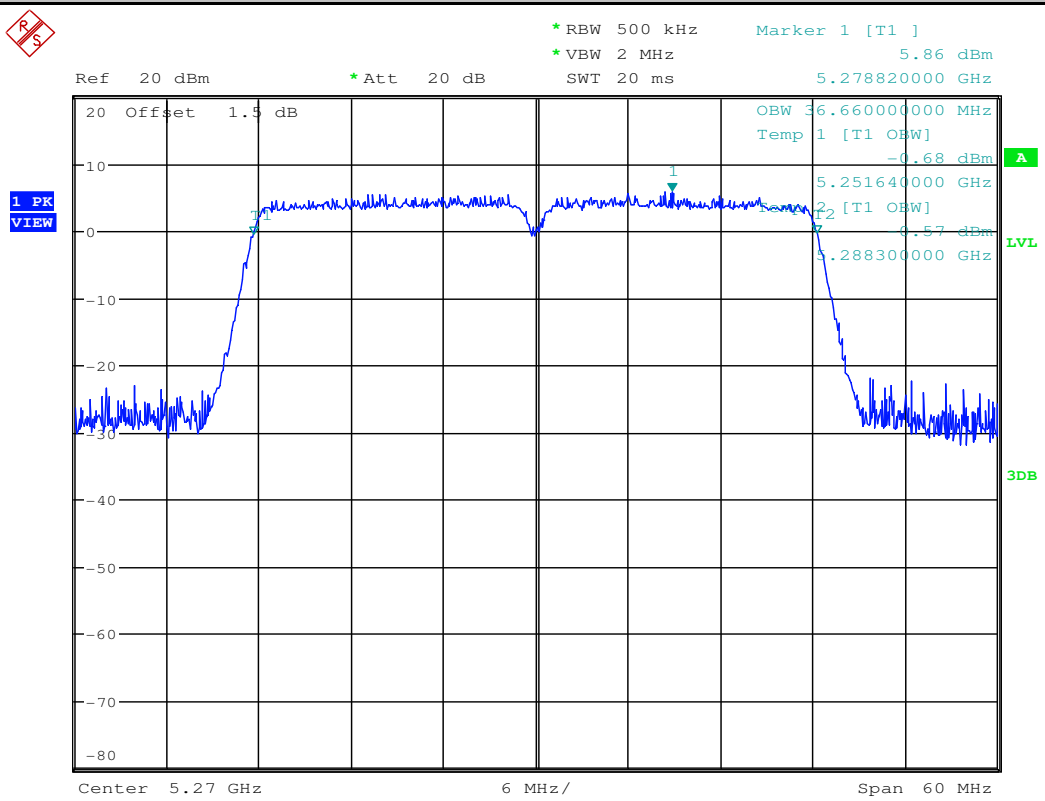
Occupied Bandwidth Measurement_11AC40_5230_Ant2



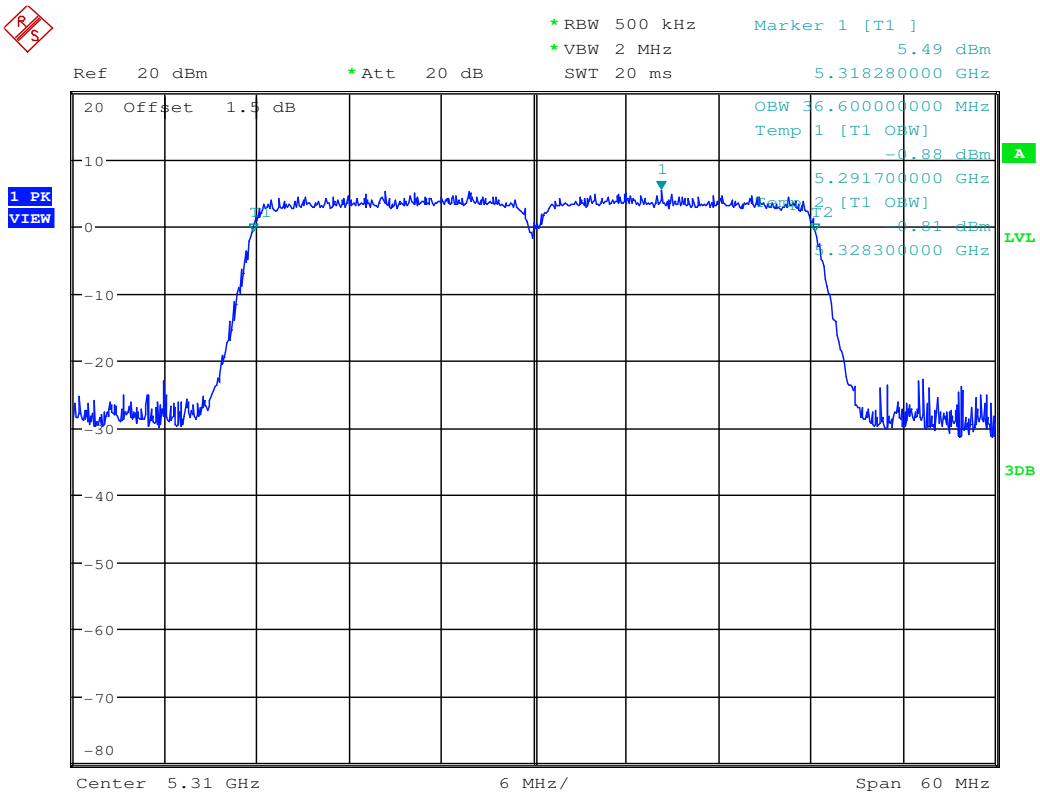
Occupied Bandwidth Measurement_11AC40_5270_Ant1



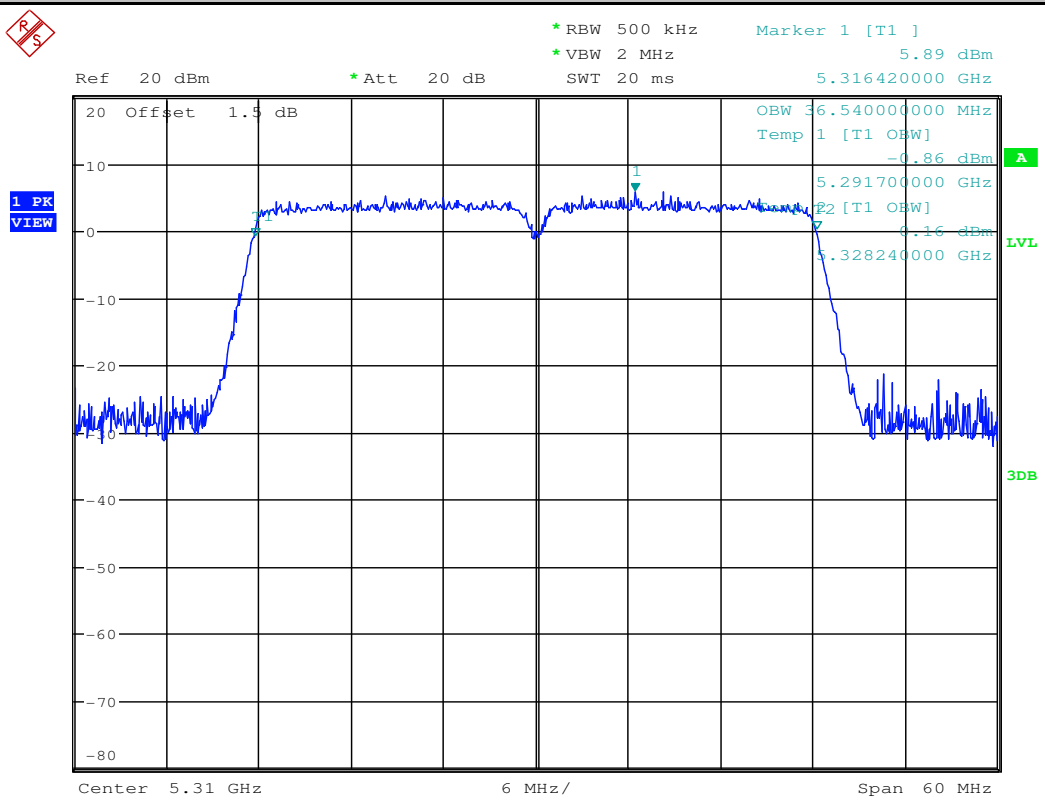
Occupied Bandwidth Measurement_11AC40_5270_Ant2



Occupied Bandwidth Measurement_11AC40_5310_Ant1



Occupied Bandwidth Measurement_11AC40_5310_Ant2



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	13.67	0.32	13.99	<23.98	PASS
11A	5180	Ant2	14.32	0.32	14.64	<23.98	PASS
11A	5220	Ant1	13.19	0.34	13.53	<23.98	PASS
11A	5220	Ant2	13.86	0.34	14.20	<23.98	PASS
11A	5240	Ant1	13.2	0.32	13.52	<23.98	PASS
11A	5240	Ant2	13.86	0.32	14.18	<23.98	PASS
11A	5260	Ant1	14.38	0.32	14.70	<23.98	PASS
11A	5260	Ant2	15.24	0.34	15.58	<23.98	PASS
11A	5300	Ant1	14.52	0.32	14.84	<23.98	PASS
11A	5300	Ant2	14.81	0.32	15.13	<23.98	PASS
11A	5320	Ant1	14.07	0.32	14.39	<23.98	PASS
11A	5320	Ant2	14.58	0.34	14.92	<23.98	PASS
11N20	5180	Ant1	8.49	0.34	8.83	<23.98	PASS
11N20	5180	Ant2	8.74	0.34	9.08	<23.98	PASS
11N20	5220	Ant1	8.65	0.34	8.99	<23.98	PASS
11N20	5220	Ant2	8.56	0.34	8.90	<23.98	PASS
11N20	5240	Ant1	8.62	0.34	8.96	<23.98	PASS
11N20	5240	Ant2	8.52	0.34	8.86	<23.98	PASS
11N20	5260	Ant1	10.18	0.34	10.52	<23.98	PASS
11N20	5260	Ant2	10.25	0.36	10.61	<23.98	PASS
11N20	5300	Ant1	9.44	0.34	9.78	<23.98	PASS
11N20	5300	Ant2	10.07	0.34	10.41	<23.98	PASS
11N20	5320	Ant1	9.08	0.34	9.42	<23.98	PASS
11N20	5320	Ant2	9.72	0.34	10.06	<23.98	PASS
11N40	5190	Ant1	9.76	0.64	10.40	<23.98	PASS
11N40	5190	Ant2	9.85	0.66	10.51	<23.98	PASS
11N40	5230	Ant1	9.93	0.66	10.59	<23.98	PASS
11N40	5230	Ant2	10.08	0.66	10.74	<23.98	PASS
11N40	5270	Ant1	11.72	0.66	12.38	<23.98	PASS
11N40	5270	Ant2	12.2	0.64	12.84	<23.98	PASS
11N40	5310	Ant1	11.03	0.64	11.67	<23.98	PASS

11N40	5310	Ant2	11.97	0.66	12.63	<23.98	PASS
11AC20	5180	Ant1	8.37	0.34	8.71	<23.98	PASS
11AC20	5180	Ant2	8.36	0.34	8.70	<23.98	PASS
11AC20	5220	Ant1	8.25	0.34	8.59	<23.98	PASS
11AC20	5220	Ant2	8.26	0.34	8.60	<23.98	PASS
11AC20	5240	Ant1	8.48	0.36	8.84	<23.98	PASS
11AC20	5240	Ant2	8.56	0.34	8.90	<23.98	PASS
11AC20	5260	Ant1	9.92	0.34	10.26	<23.98	PASS
11AC20	5260	Ant2	10.52	0.34	10.86	<23.98	PASS
11AC20	5300	Ant1	9.48	0.36	9.84	<23.98	PASS
11AC20	5300	Ant2	10.01	0.34	10.35	<23.98	PASS
11AC20	5320	Ant1	9.42	0.34	9.76	<23.98	PASS
11AC20	5320	Ant2	9.78	0.34	10.12	<23.98	PASS
11AC80	5210	Ant1	8.59	1.19	9.78	<23.98	PASS
11AC80	5210	Ant2	8.87	1.17	10.04	<23.98	PASS
11AC80	5290	Ant1	9.71	1.22	10.93	<23.98	PASS
11AC80	5290	Ant2	10.52	1.22	11.74	<23.98	PASS
11AC40	5190	Ant1	9.78	0.64	10.42	<23.98	PASS
11AC40	5190	Ant2	10.29	0.64	10.93	<23.98	PASS
11AC40	5230	Ant1	9.88	0.66	10.54	<23.98	PASS
11AC40	5230	Ant2	10.19	0.66	10.85	<23.98	PASS
11AC40	5270	Ant1	11.62	0.66	12.28	<23.98	PASS
11AC40	5270	Ant2	12.1	0.64	12.74	<23.98	PASS
11AC40	5310	Ant1	11.16	0.66	11.82	<23.98	PASS
11AC40	5310	Ant2	11.74	0.64	12.38	<23.98	PASS

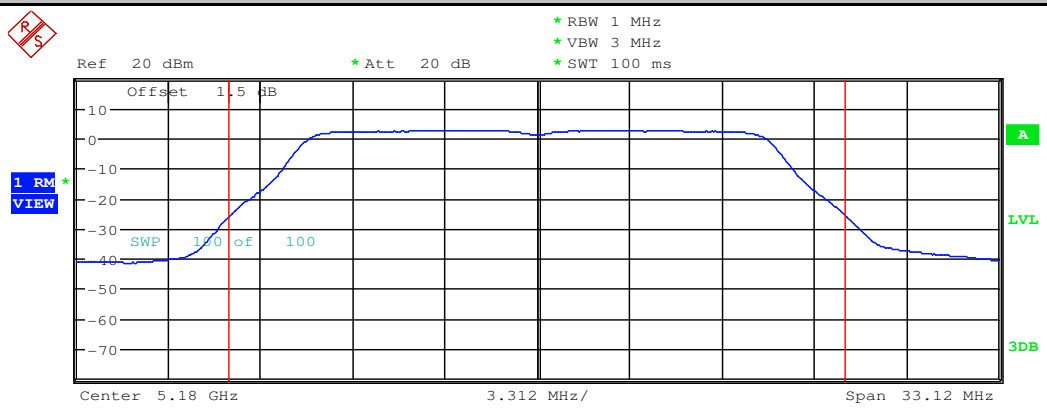
MIMO:

Test Mode	Test Channel	Ant	Power [dBm]	EIRP [dBm]	Conducted power Limit [dBm]	EIRP Limit [dBm]	Verdict
11N20	5180	Ant1+2	11.97	/	<23.98	/	PASS
11N20	5220	Ant1+2	11.96	/	<23.98	/	PASS
11N20	5240	Ant1+2	11.92	/	<23.98	/	PASS
11N20	5260	Ant1+2	13.58	/	<23.98	/	PASS

11N20	5300	Ant1+2	13.12	/	<23.98	/	PASS
11N20	5320	Ant1+2	12.76	/	<23.98	/	PASS
11N40	5190	Ant1+2	13.47	/	<23.98	/	PASS
11N40	5230	Ant1+2	13.68	/	<23.98	/	PASS
11N40	5270	Ant1+2	15.63	/	<23.98	/	PASS
11N40	5310	Ant1+2	15.19	/	<23.98	/	PASS
11AC20	5180	Ant1+2	11.71	/	<23.98	/	PASS
11AC20	5220	Ant1+2	11.60	/	<23.98	/	PASS
11AC20	5240	Ant1+2	11.88	/	<23.98	/	PASS
11AC20	5260	Ant1+2	13.58	/	<23.98	/	PASS
11AC20	5300	Ant1+2	13.11	/	<23.98	/	PASS
11AC20	5320	Ant1+2	12.95	/	<23.98	/	PASS
11AC80	5210	Ant1+2	12.92	/	<23.98	/	PASS
11AC80	5290	Ant1+2	14.36	/	<23.98	/	PASS
11AC40	5190	Ant1+2	13.69	/	<23.98	/	PASS
11AC40	5230	Ant1+2	13.71	/	<23.98	/	PASS
11AC40	5270	Ant1+2	10.34	/	<23.98	/	PASS
11AC40	5310	Ant1+2	10.14	/	<23.98	/	PASS

For band 1:
Total directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)
Array Gain = 0 dB for NANT $\leqslant$ 4
So the total directional gain=-0.59dBi
For the directional gain is less than 6dBi, so no need to reduce the limit of power.
For band 2:
Total directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)
Array Gain = 0 dB for NANT $\leqslant$ 4
So the total directional gain=2.72dBi
For the directional gain is less than 6dBi, so no need to reduce the limit of power.

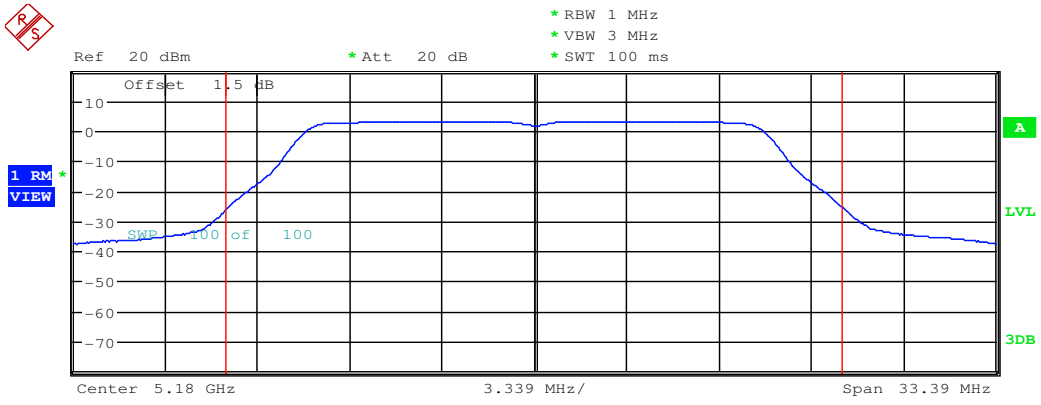
Maximum Conduct Output Power_11A_5180_Ant1



Tx Channel

Bandwidth	22.08 MHz	Power	13.67 dBm

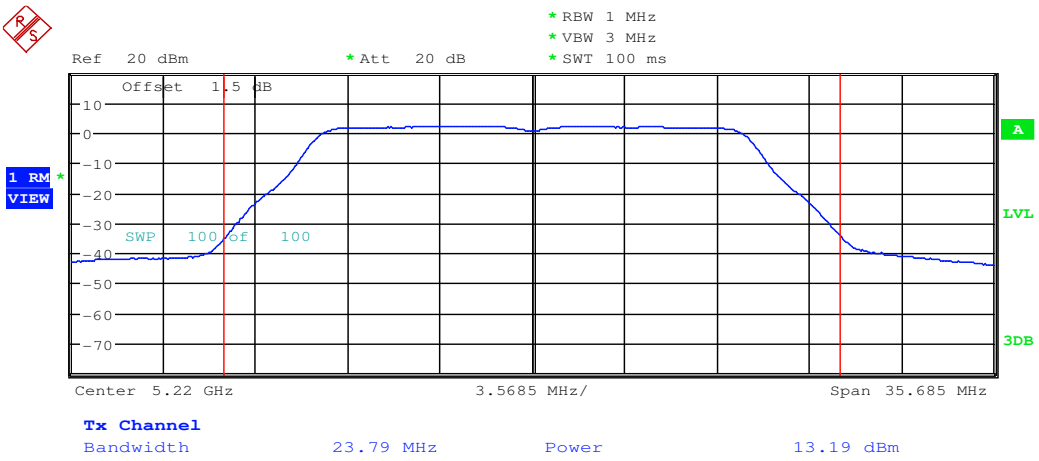
Maximum Conduct Output Power_11A_5180_Ant2



Tx Channel

Bandwidth	22.26 MHz	Power	14.32 dBm

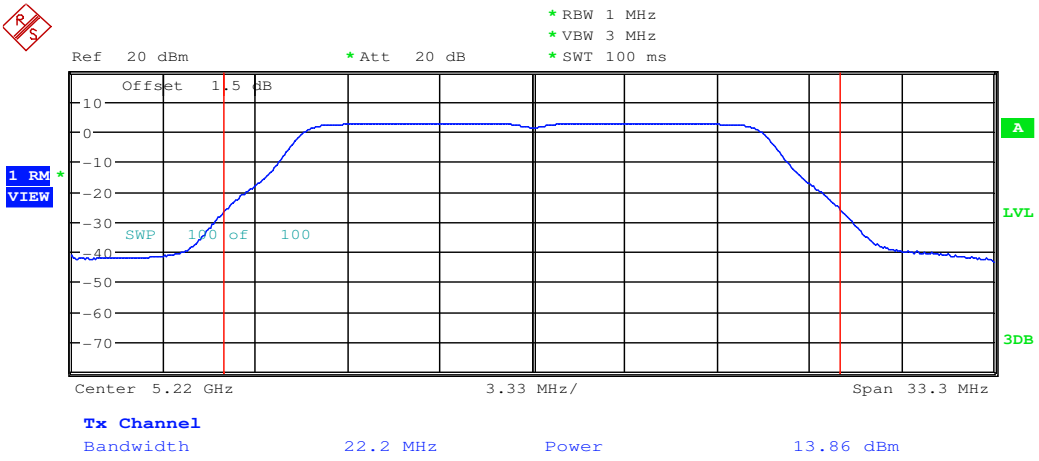
Maximum Conduct Output Power_11A_5220_Ant1



Tx Channel

Bandwidth	23.79 MHz	Power	13.19 dBm

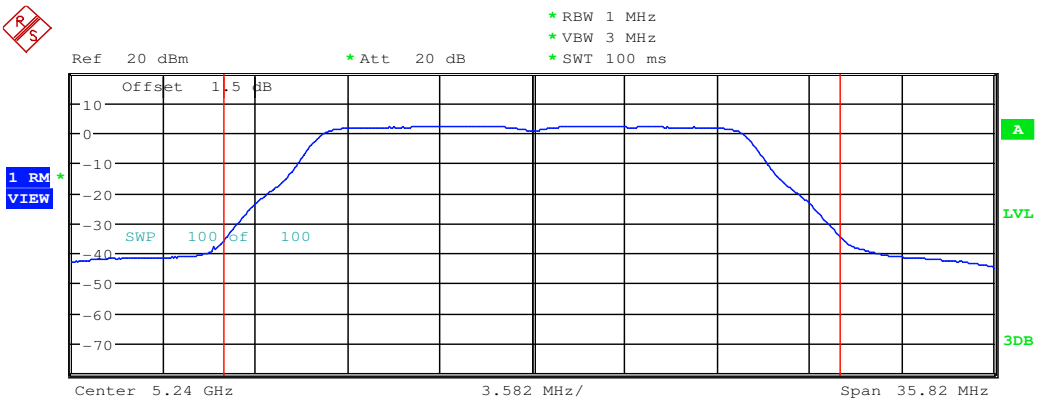
Maximum Conduct Output Power_11A_5220_Ant2



Tx Channel

Bandwidth	22.2 MHz	Power	13.86 dBm

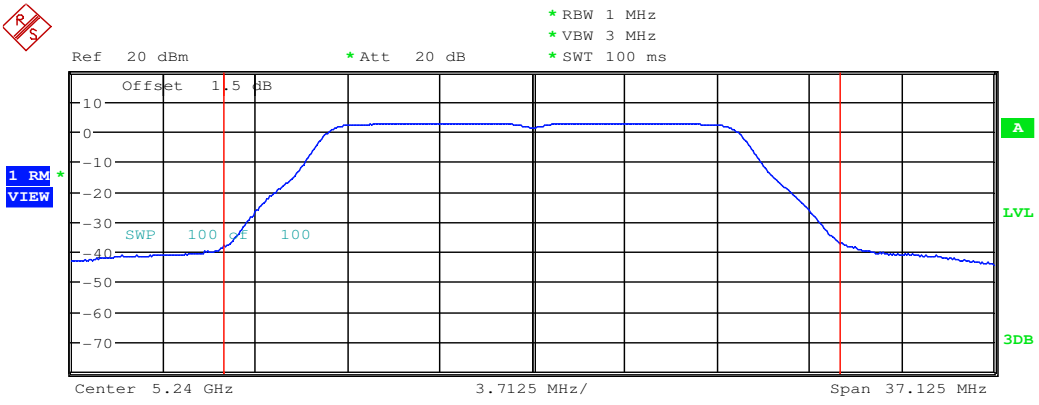
Maximum Conduct Output Power_11A_5240_Ant1



Tx Channel

Bandwidth	23.88 MHz	Power	13.20 dBm

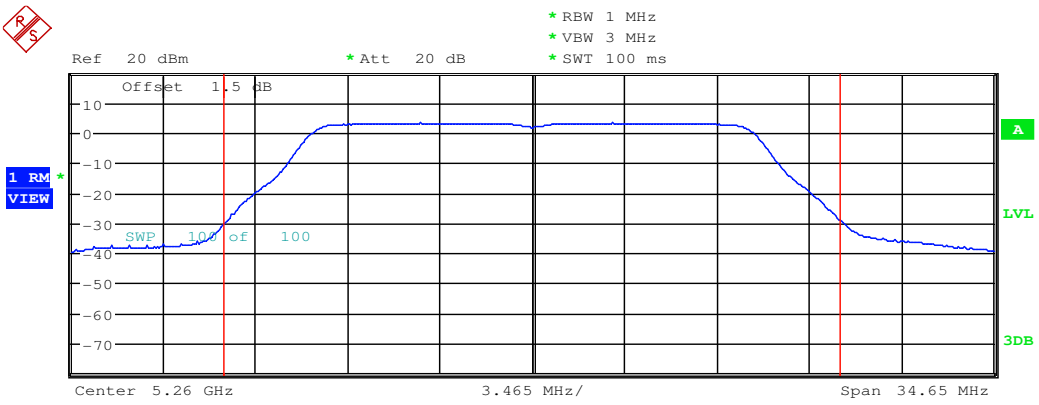
Maximum Conduct Output Power_11A_5240_Ant2



Tx Channel

Bandwidth	24.75 MHz	Power	13.86 dBm

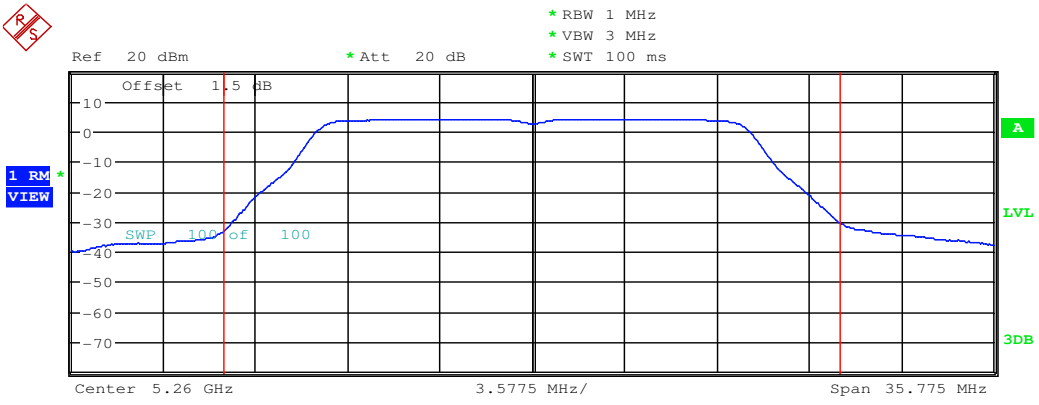
Maximum Conduct Output Power_11A_5260_Ant1



Tx Channel

Bandwidth	23.1 MHz	Power	14.38 dBm

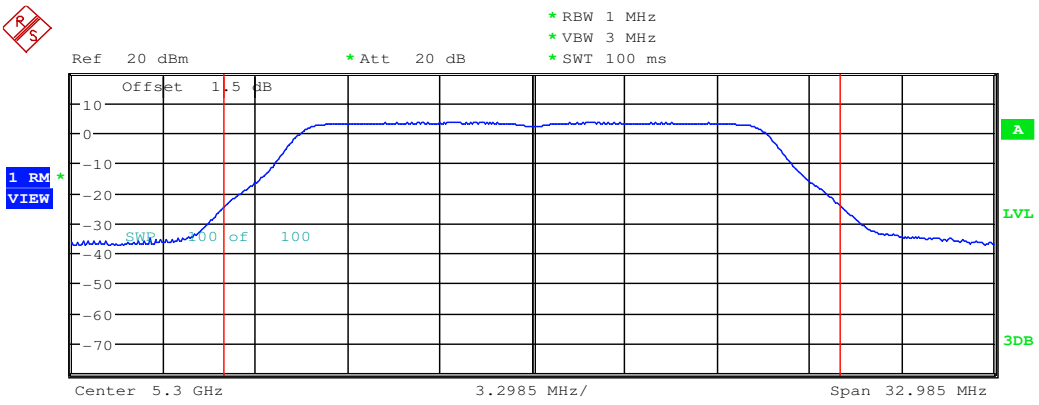
Maximum Conduct Output Power_11A_5260_Ant2



Tx Channel

Bandwidth	23.85 MHz	Power	15.24 dBm

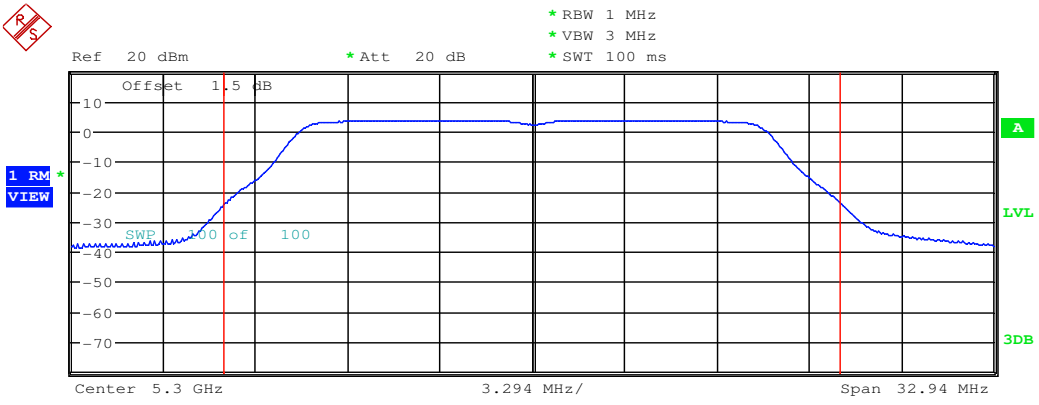
Maximum Conduct Output Power_11A_5300_Ant1



Tx Channel

Bandwidth	21.99 MHz	Power	14.52 dBm

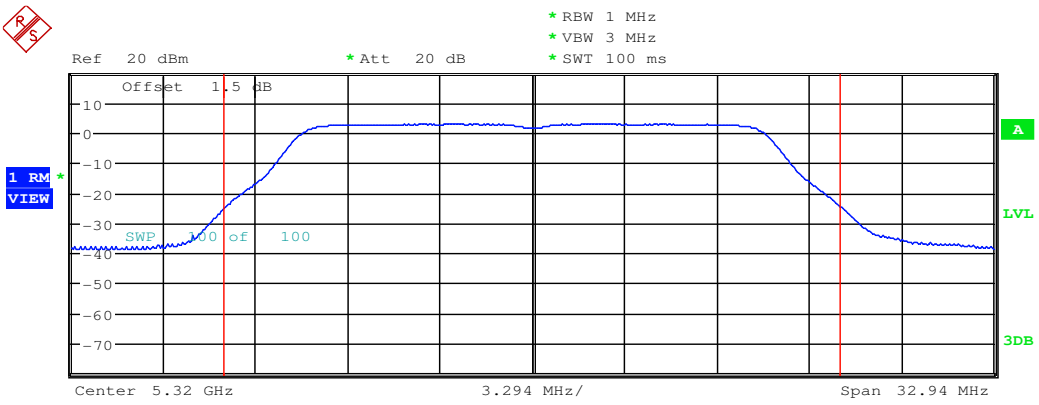
Maximum Conduct Output Power_11A_5300_Ant2



Tx Channel

Bandwidth	21.96 MHz	Power	14.81 dBm

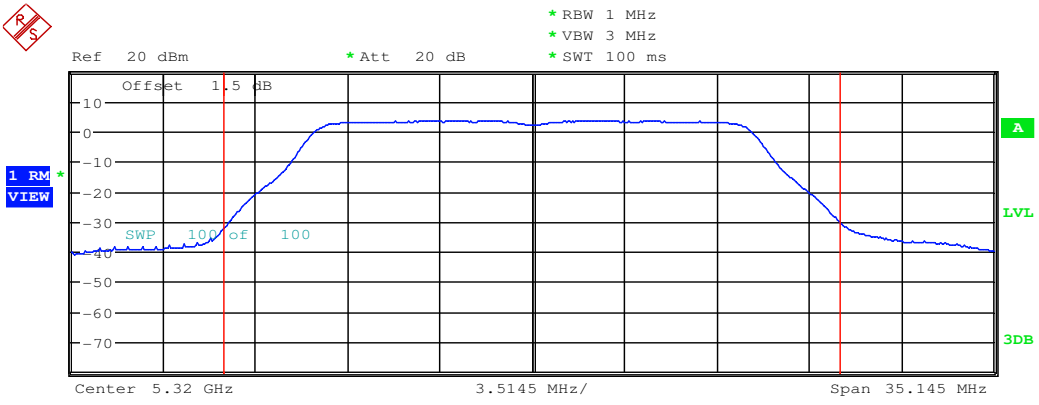
Maximum Conduct Output Power_11A_5320_Ant1



Tx Channel

Bandwidth	21.96 MHz	Power	14.07 dBm

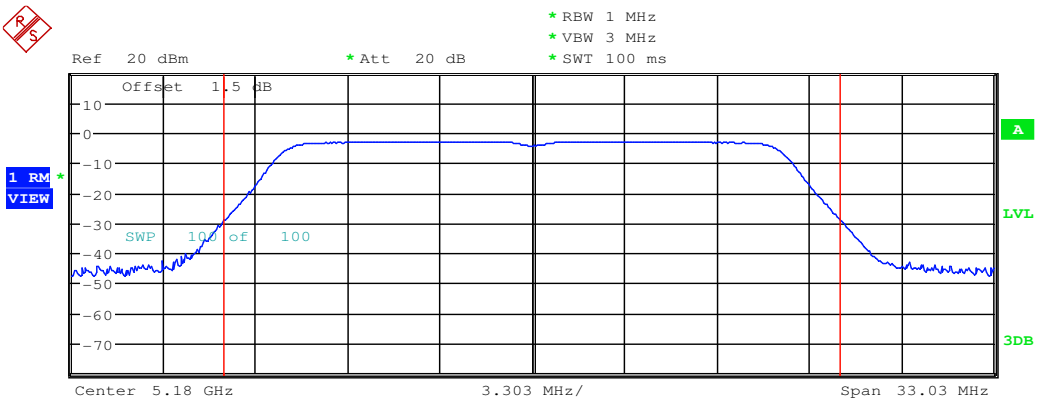
Maximum Conduct Output Power_11A_5320_Ant2



Tx Channel

Bandwidth	23.43 MHz	Power	14.58 dBm

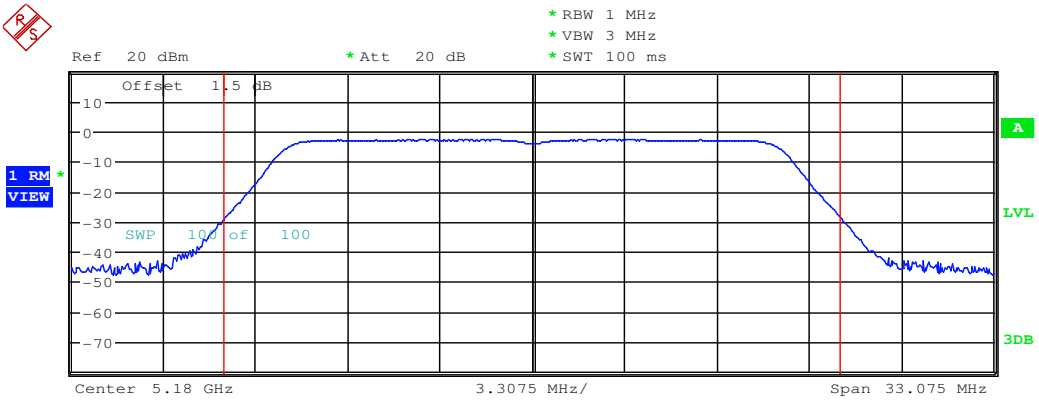
Maximum Conduct Output Power_11N20_5180_Ant1



Tx Channel

Bandwidth	22.02 MHz	Power	8.49 dBm

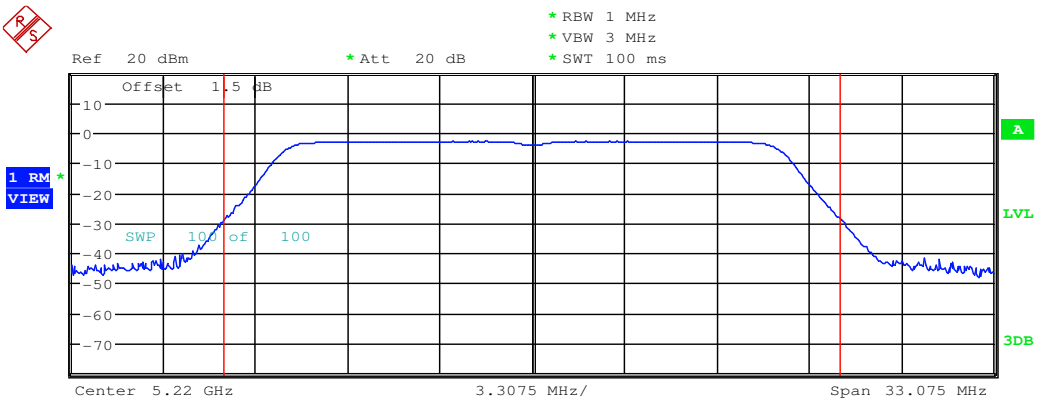
Maximum Conduct Output Power_11N20_5180_Ant2



Tx Channel

Bandwidth	22.05 MHz	Power	8.74 dBm

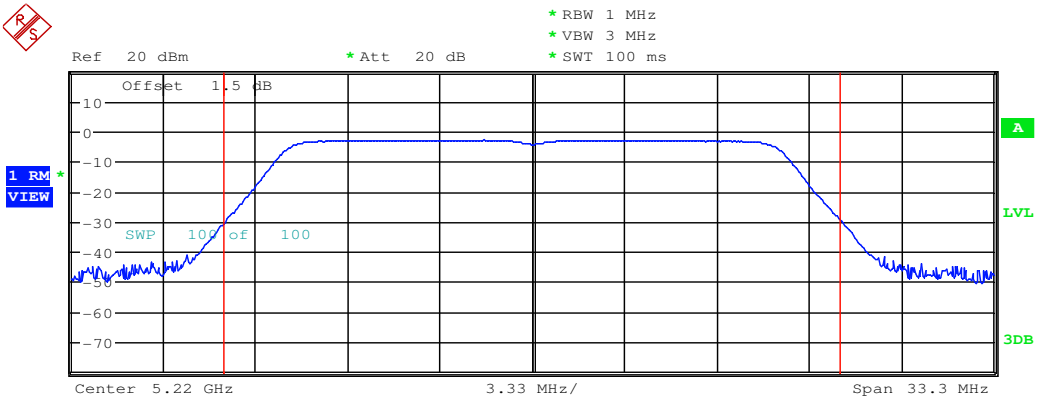
Maximum Conduct Output Power_11N20_5220_Ant1



Tx Channel

Bandwidth	22.05 MHz	Power	8.65 dBm

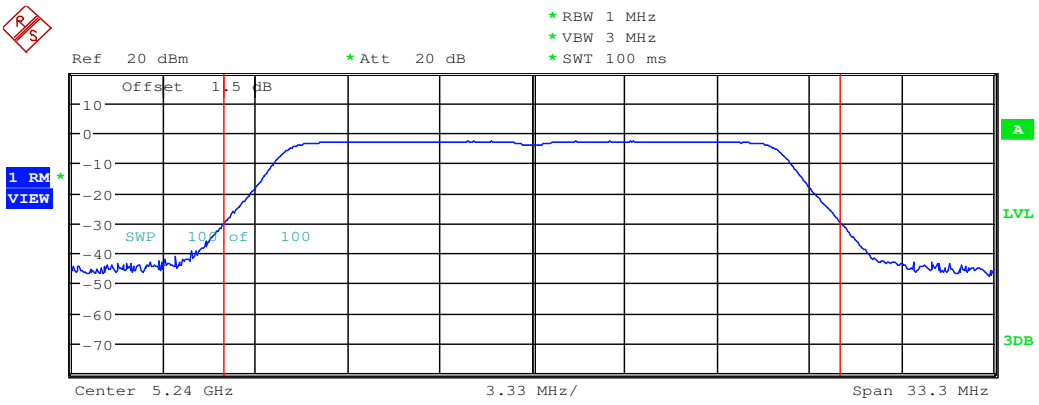
Maximum Conduct Output Power_11N20_5220_Ant2



Tx Channel

Bandwidth	22.2 MHz	Power	8.56 dBm

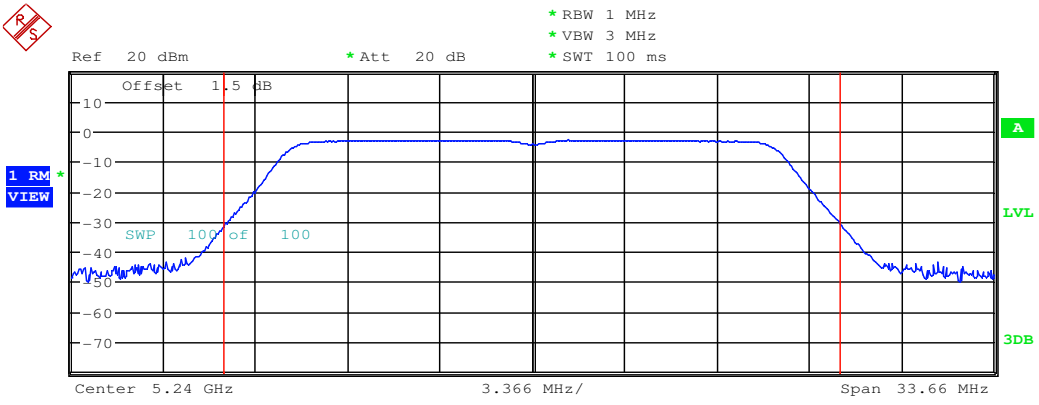
Maximum Conduct Output Power_11N20_5240_Ant1



Tx Channel

Bandwidth	22.2 MHz	Power	8.62 dBm

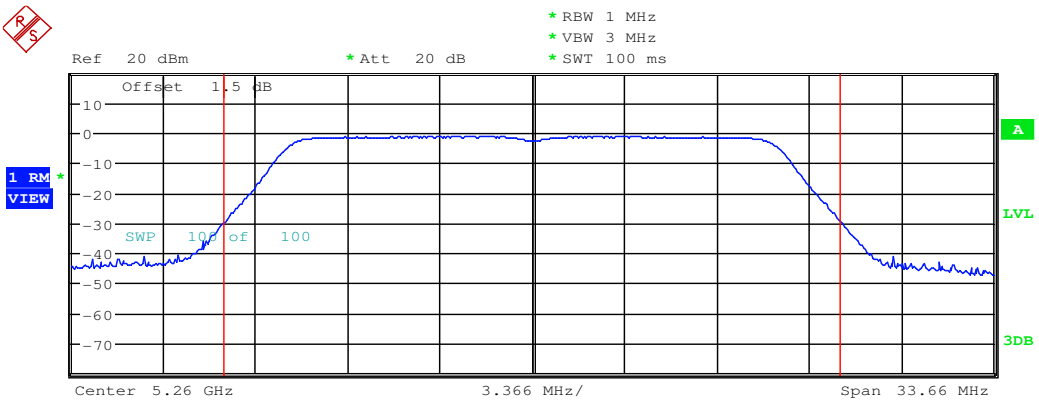
Maximum Conduct Output Power_11N20_5240_Ant2



Tx Channel

Bandwidth	22.44 MHz	Power	8.52 dBm

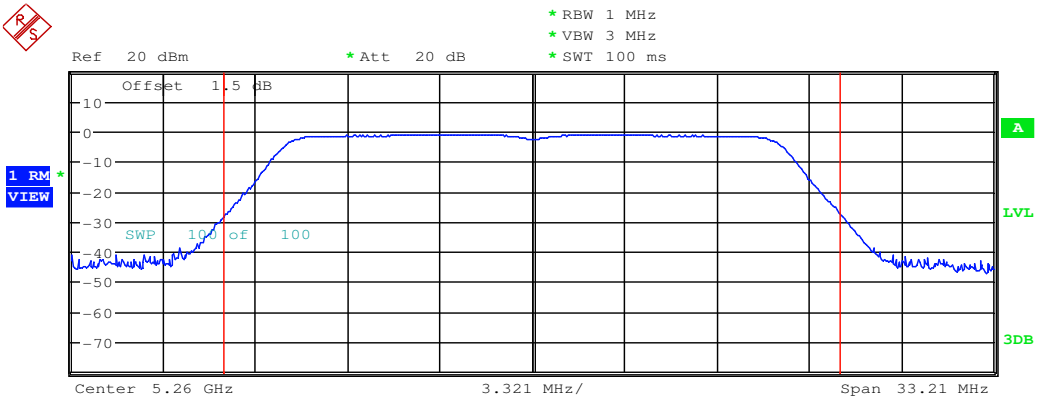
Maximum Conduct Output Power_11N20_5260_Ant1



Tx Channel

Bandwidth	22.44 MHz	Power	10.18 dBm

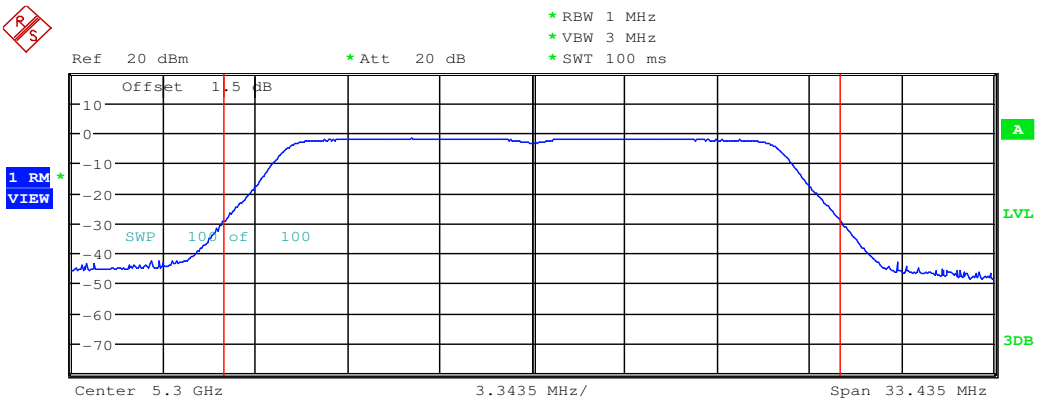
Maximum Conduct Output Power_11N20_5260_Ant2



Tx Channel

Bandwidth	22.14 MHz	Power	10.25 dBm

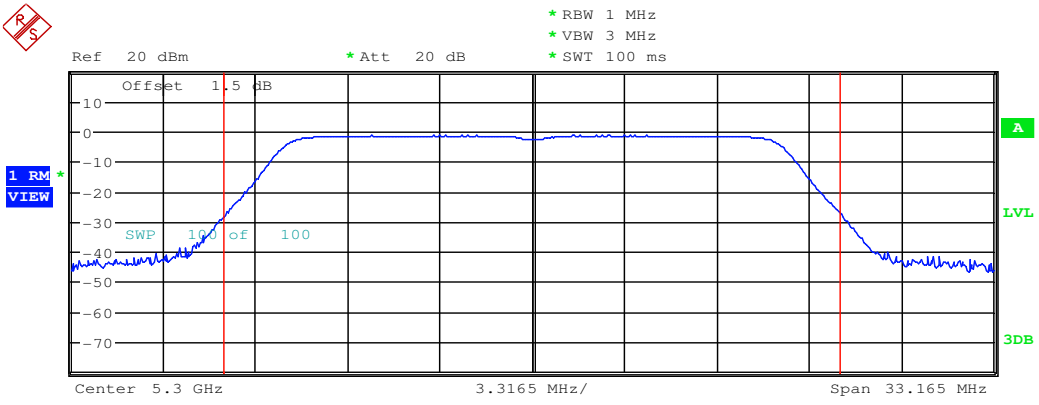
Maximum Conduct Output Power_11N20_5300_Ant1



Tx Channel

Bandwidth	22.29 MHz	Power	9.44 dBm

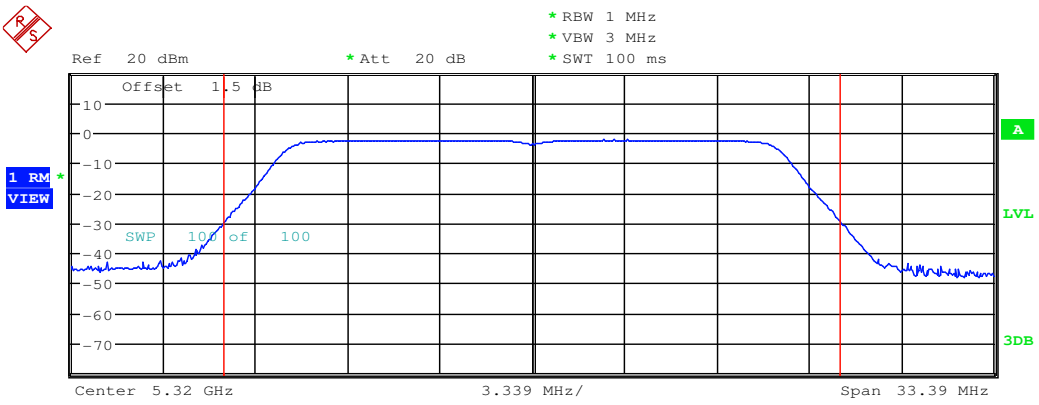
Maximum Conduct Output Power_11N20_5300_Ant2



Tx Channel

Bandwidth	22.11 MHz	Power	10.07 dBm

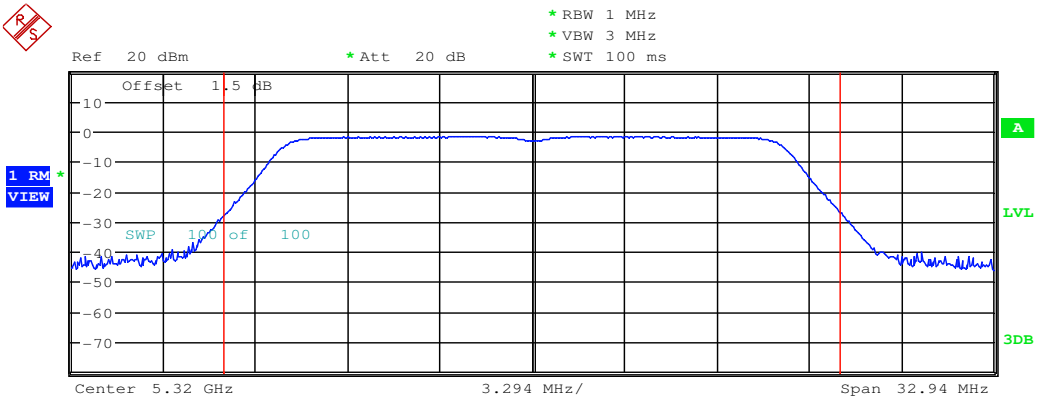
Maximum Conduct Output Power_11N20_5320_Ant1



Tx Channel

Bandwidth	22.26 MHz	Power	9.08 dBm

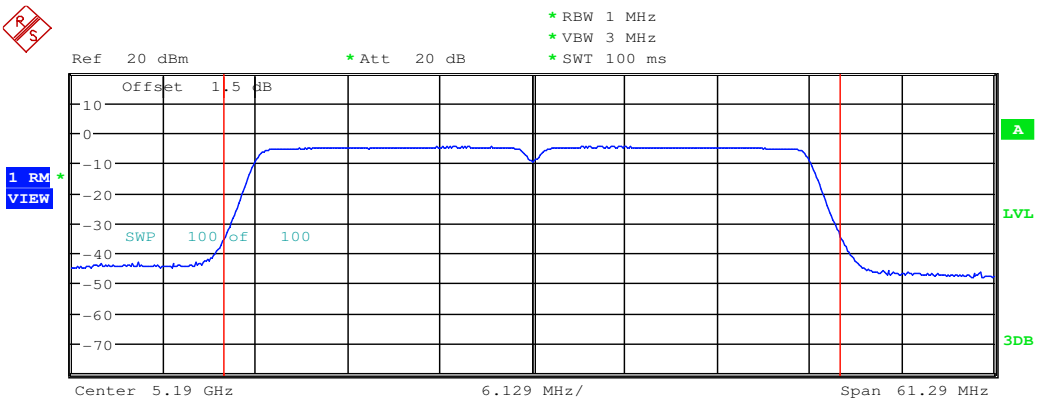
Maximum Conduct Output Power_11N20_5320_Ant2



Tx Channel

Bandwidth	21.96 MHz	Power	9.72 dBm

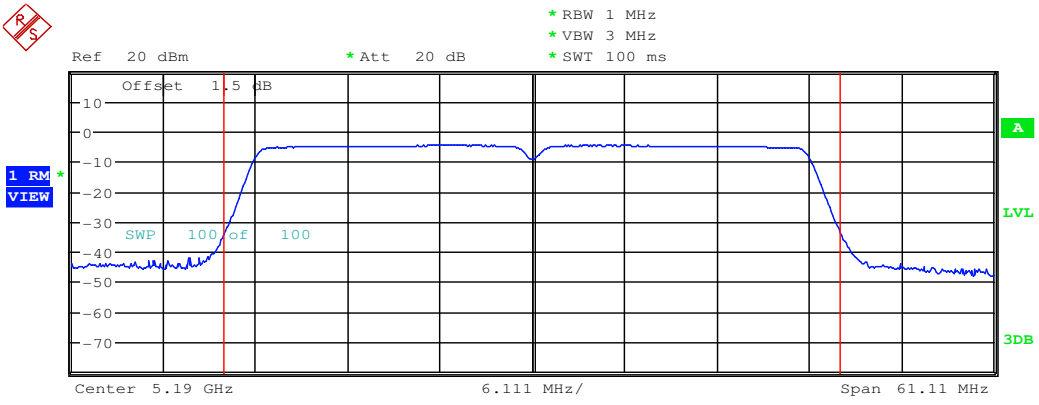
Maximum Conduct Output Power_11N40_5190_Ant1



Tx Channel

Bandwidth	40.86 MHz	Power	9.76 dBm

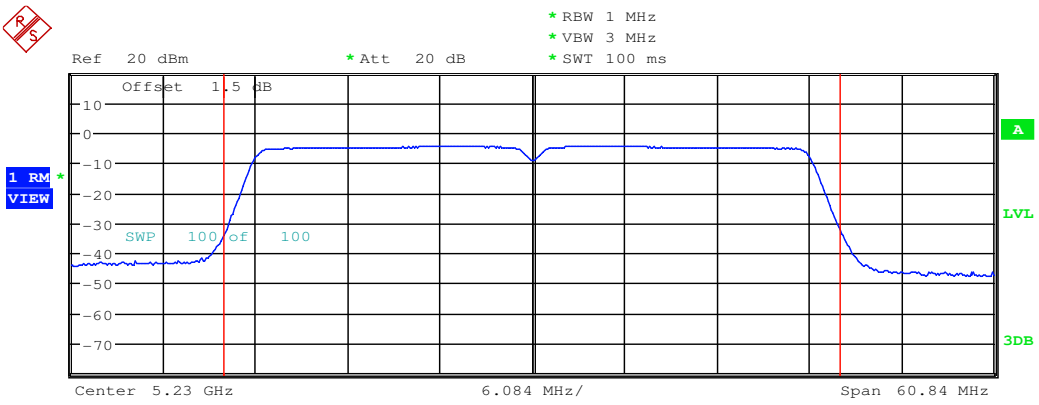
Maximum Conduct Output Power_11N40_5190_Ant2



Tx Channel

Bandwidth	40.74 MHz	Power	9.85 dBm

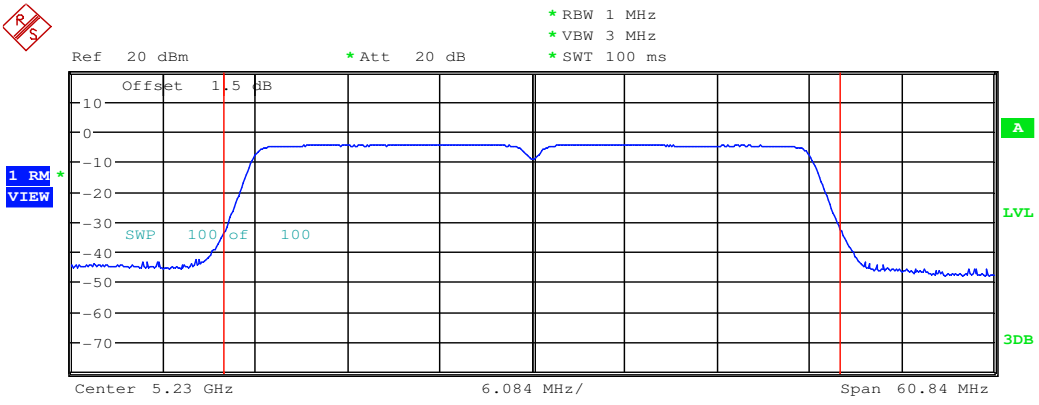
Maximum Conduct Output Power_11N40_5230_Ant1



Tx Channel

Bandwidth	40.56 MHz	Power	9.93 dBm

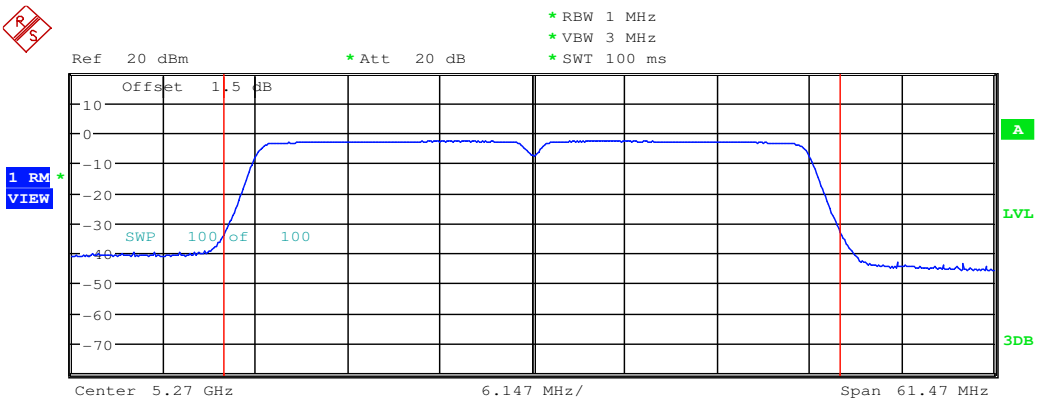
Maximum Conduct Output Power_11N40_5230_Ant2



Tx Channel

Bandwidth	40.56 MHz	Power	10.08 dBm

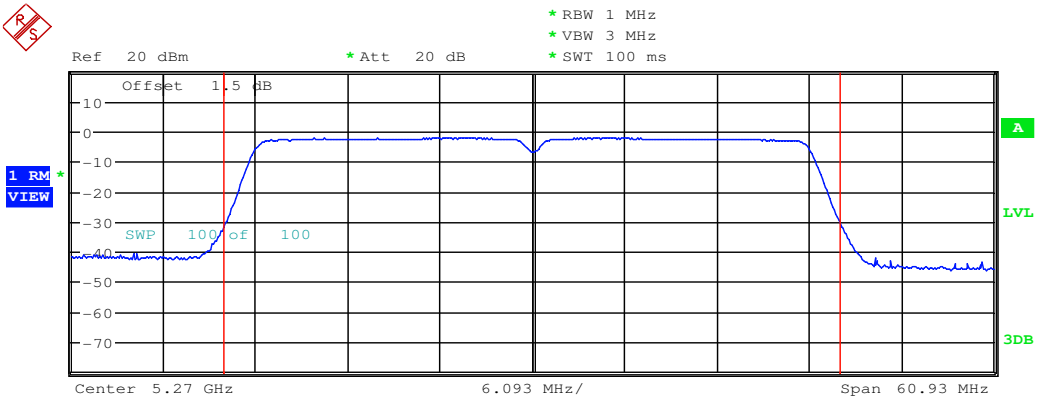
Maximum Conduct Output Power_11N40_5270_Ant1



Tx Channel

Bandwidth	40.98 MHz	Power	11.72 dBm

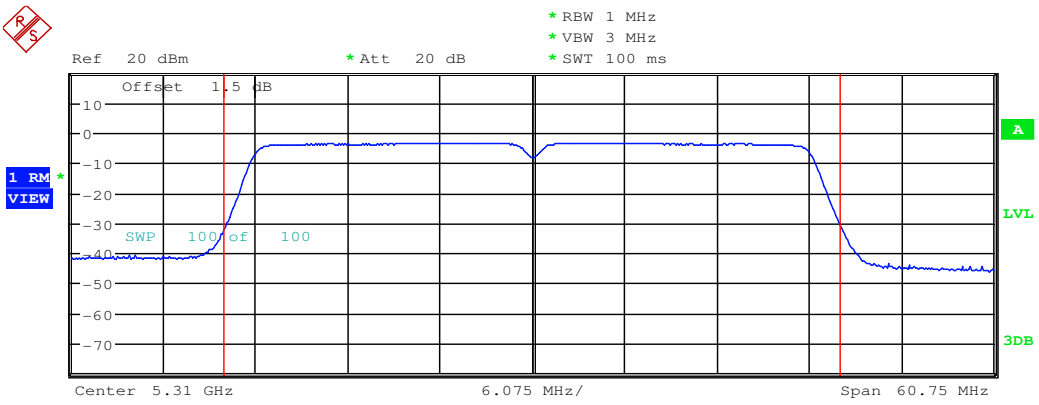
Maximum Conduct Output Power_11N40_5270_Ant2



Tx Channel

Bandwidth	40.62 MHz	Power	12.20 dBm

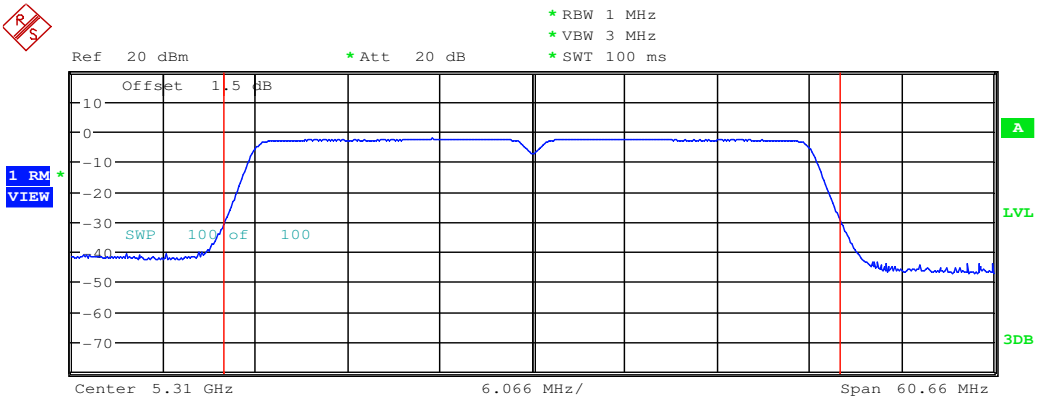
Maximum Conduct Output Power_11N40_5310_Ant1



Tx Channel

Bandwidth	40.5 MHz	Power	11.03 dBm

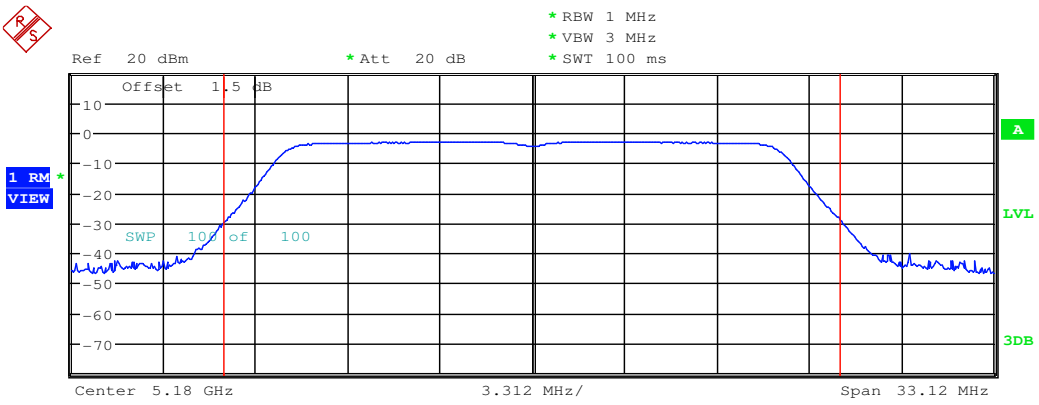
Maximum Conduct Output Power_11N40_5310_Ant2



Tx Channel

Bandwidth	40.44 MHz	Power	11.97 dBm

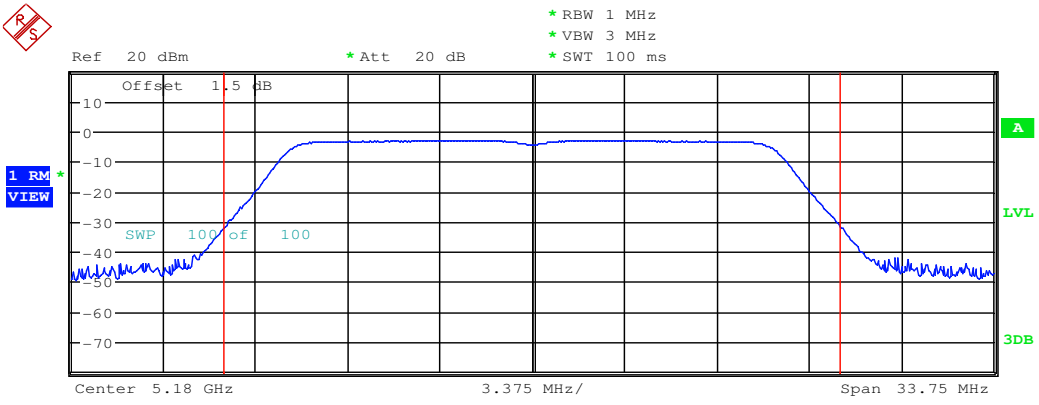
Maximum Conduct Output Power_11AC20_5180_Ant1



Tx Channel

Bandwidth	22.08 MHz	Power	8.37 dBm

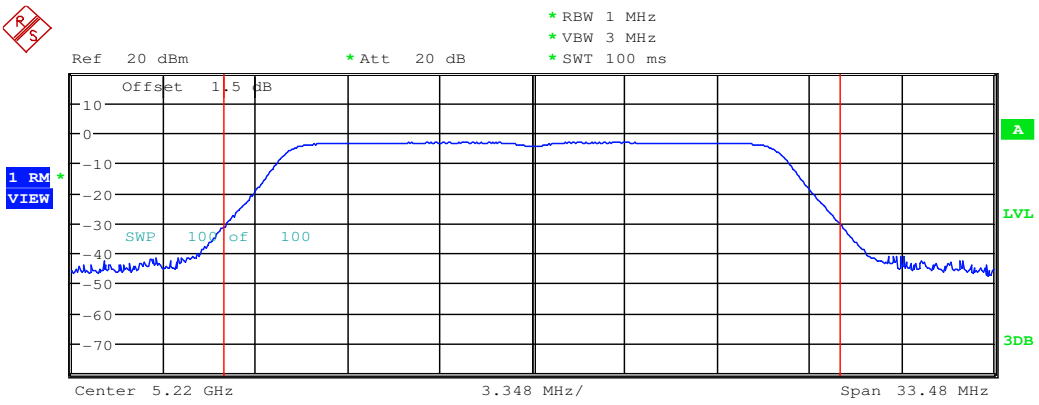
Maximum Conduct Output Power_11AC20_5180_Ant2



Tx Channel

Bandwidth	22.5 MHz	Power	8.36 dBm

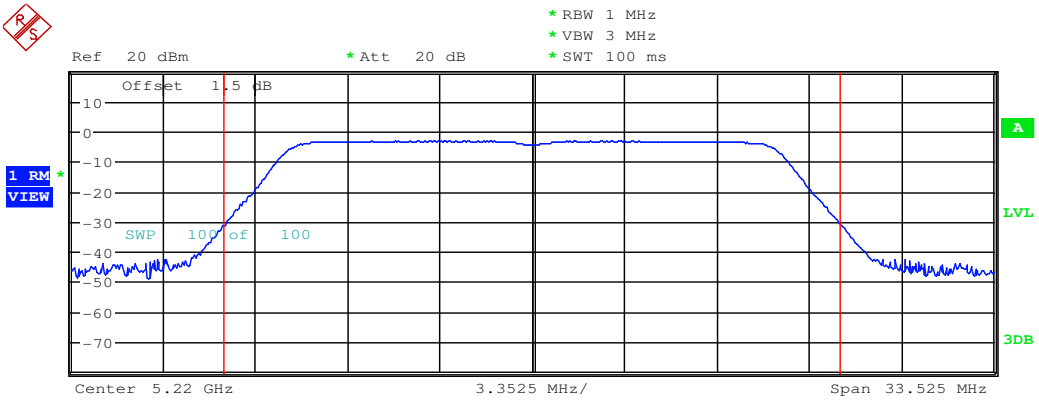
Maximum Conduct Output Power_11AC20_5220_Ant1



Tx Channel

Bandwidth	22.32 MHz	Power	8.25 dBm

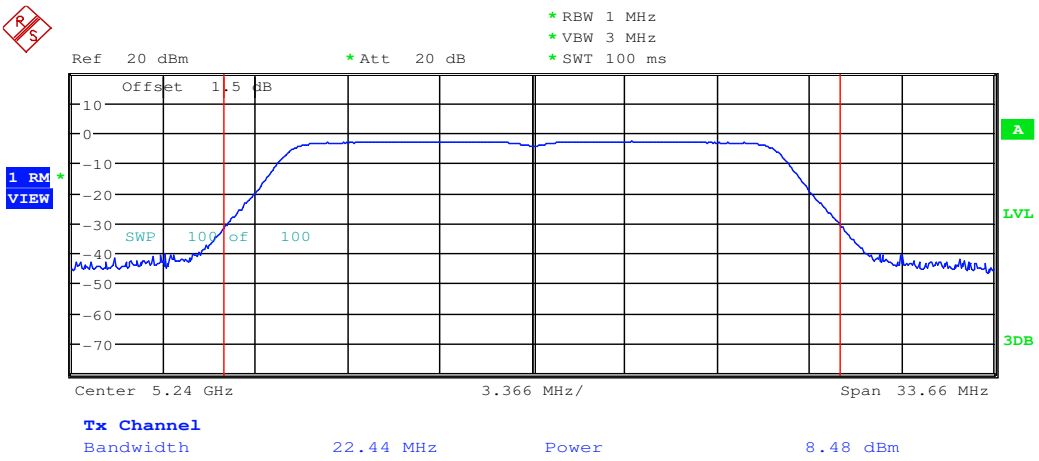
Maximum Conduct Output Power_11AC20_5220_Ant2



Tx Channel

Bandwidth	22.35 MHz	Power	8.26 dBm

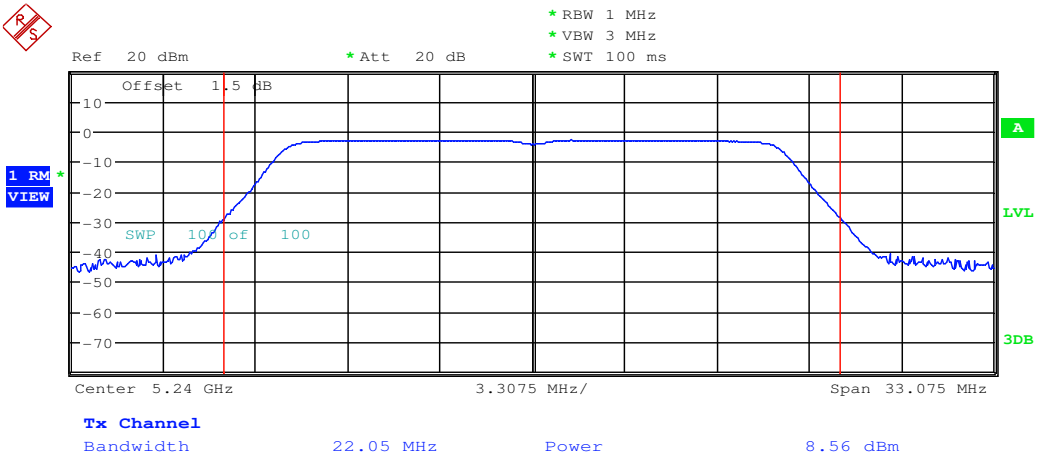
Maximum Conduct Output Power_11AC20_5240_Ant1



Tx Channel

Bandwidth	22.44 MHz	Power	8.48 dBm

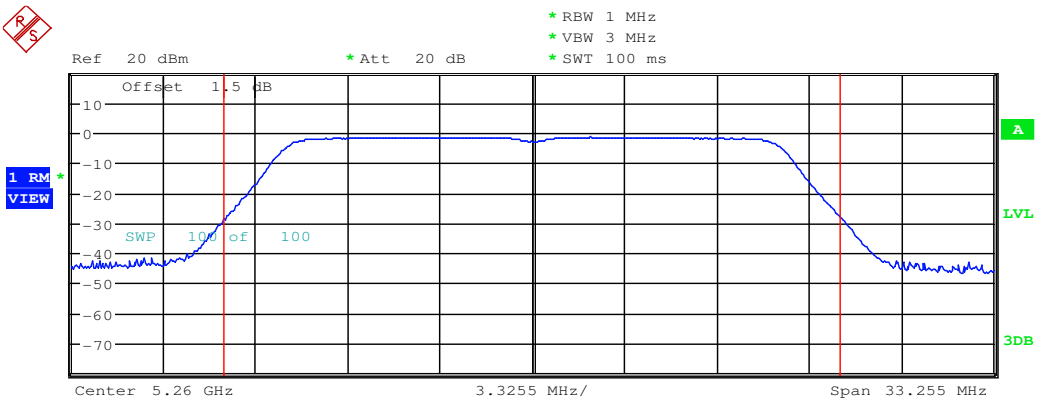
Maximum Conduct Output Power_11AC20_5240_Ant2



Tx Channel

Bandwidth	22.05 MHz	Power	8.56 dBm

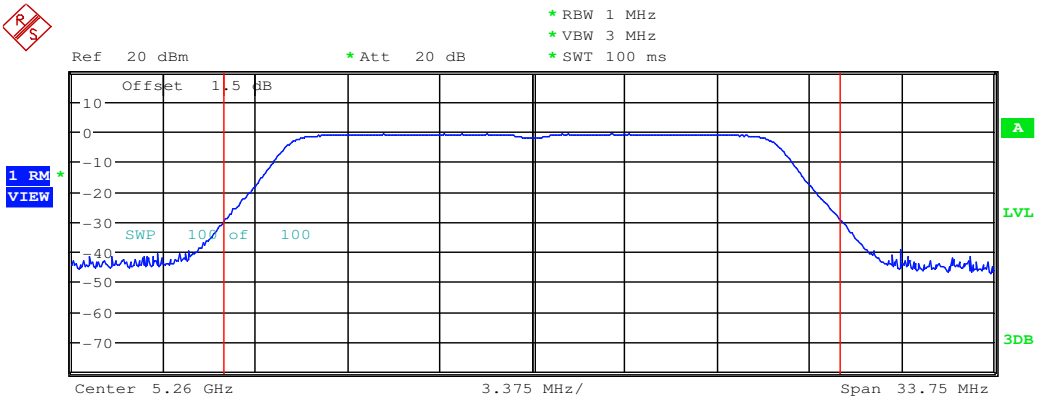
Maximum Conduct Output Power_11AC20_5260_Ant1



Tx Channel

Bandwidth	22.17 MHz	Power	9.92 dBm

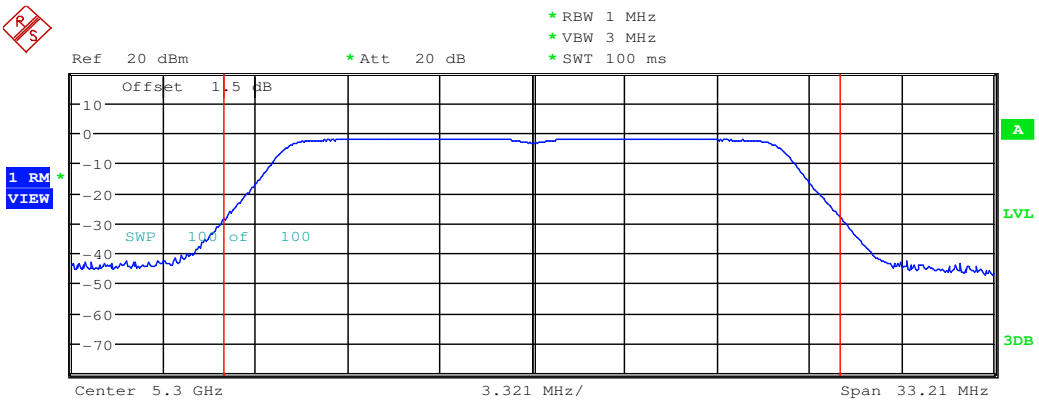
Maximum Conduct Output Power_11AC20_5260_Ant2



Tx Channel

Bandwidth	22.5 MHz	Power	10.52 dBm

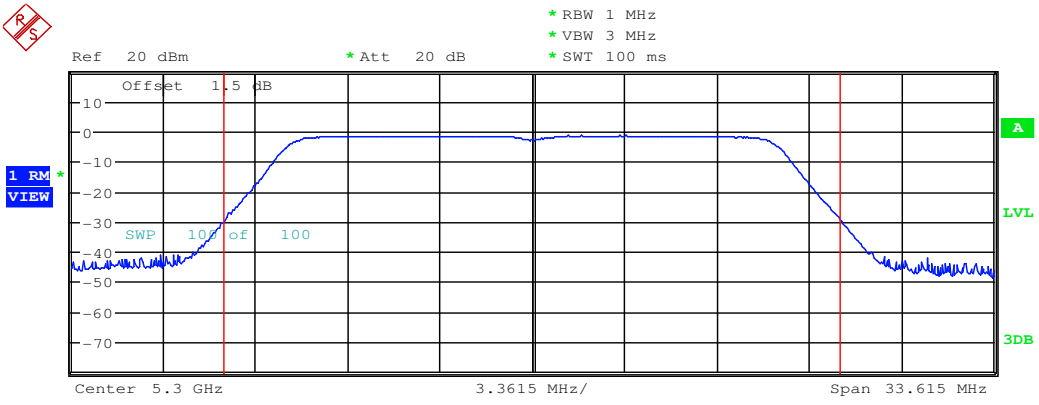
Maximum Conduct Output Power_11AC20_5300_Ant1



Tx Channel

Bandwidth	22.14 MHz	Power	9.48 dBm

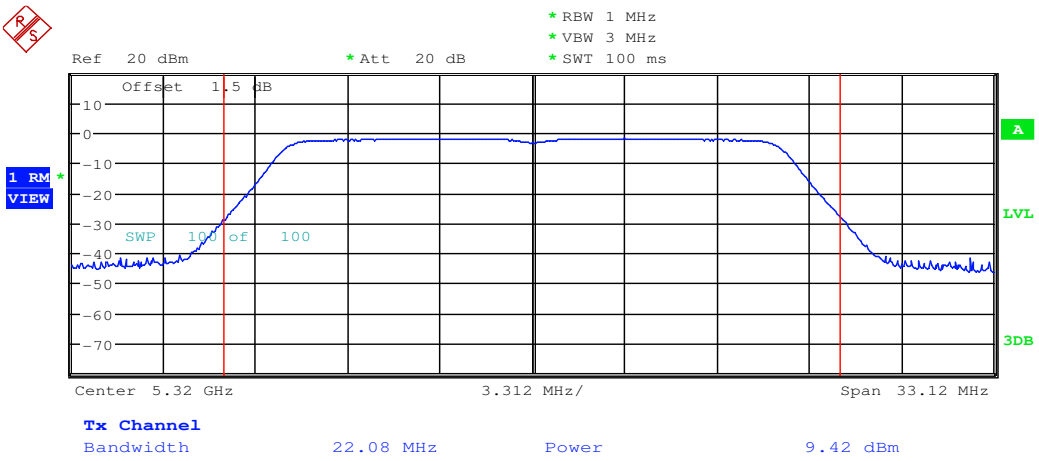
Maximum Conduct Output Power_11AC20_5300_Ant2



Tx Channel

Bandwidth	22.41 MHz	Power	10.01 dBm

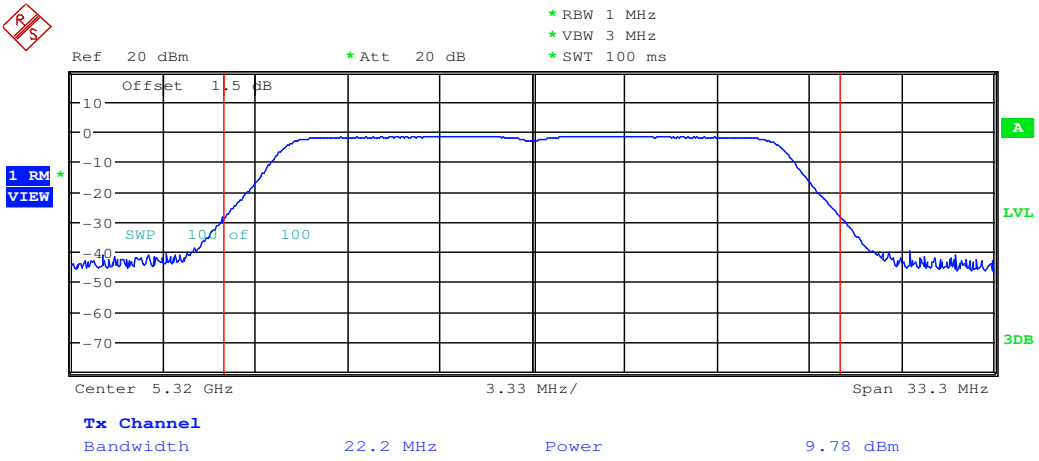
Maximum Conduct Output Power_11AC20_5320_Ant1



Tx Channel

Bandwidth	22.08 MHz	Power	9.42 dBm

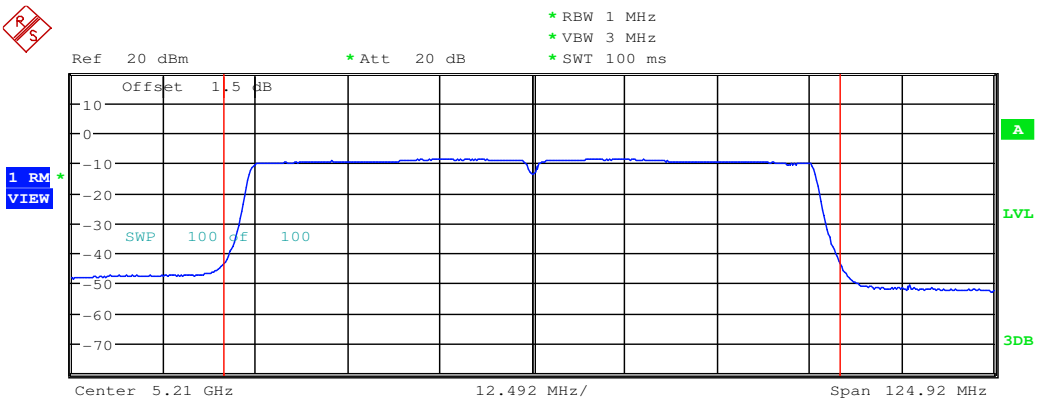
Maximum Conduct Output Power_11AC20_5320_Ant2



Tx Channel

Bandwidth	22.2 MHz	Power	9.78 dBm

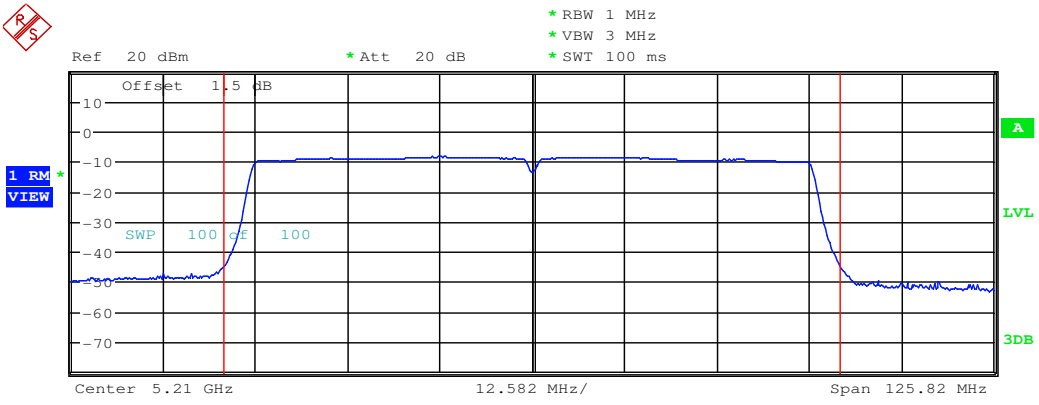
Maximum Conduct Output Power_11AC80_5210_Ant1



Tx Channel

Bandwidth	83.28 MHz	Power	8.59 dBm

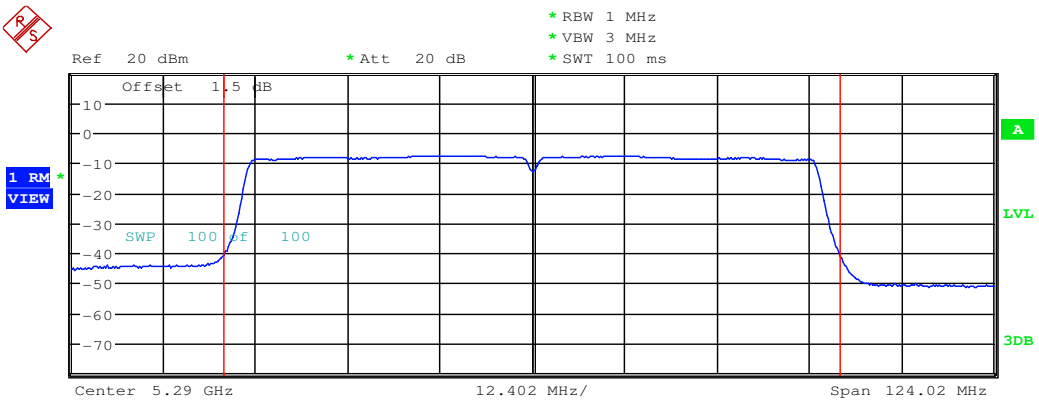
Maximum Conduct Output Power_11AC80_5210_Ant2



Tx Channel

Bandwidth	83.88 MHz	Power	8.87 dBm

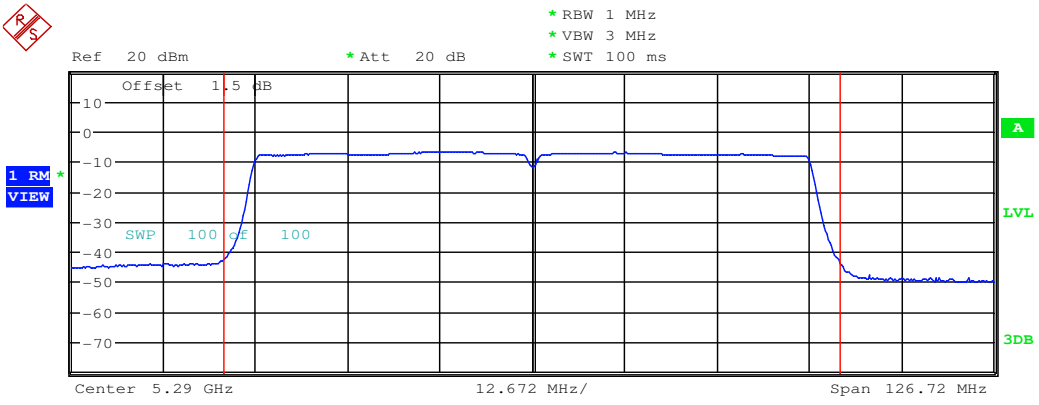
Maximum Conduct Output Power_11AC80_5290_Ant1



Tx Channel

Bandwidth	82.68 MHz	Power	9.71 dBm

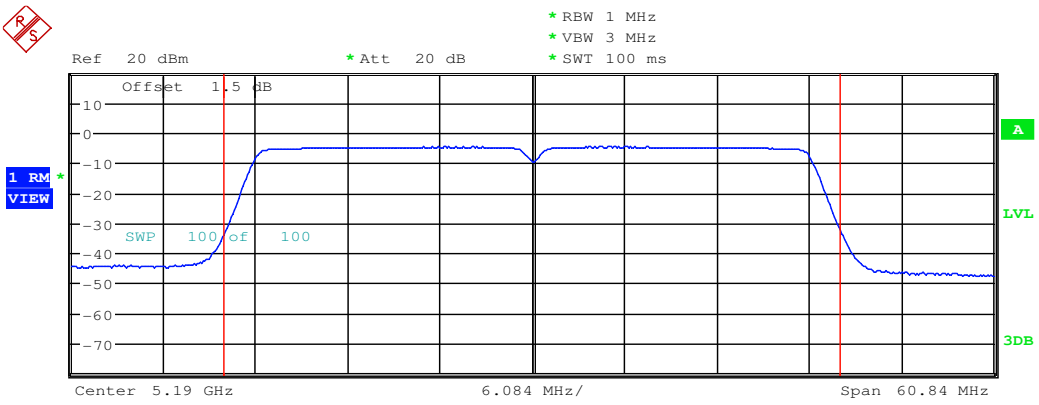
Maximum Conduct Output Power_11AC80_5290_Ant2



Tx Channel

Bandwidth	84.48 MHz	Power	10.52 dBm

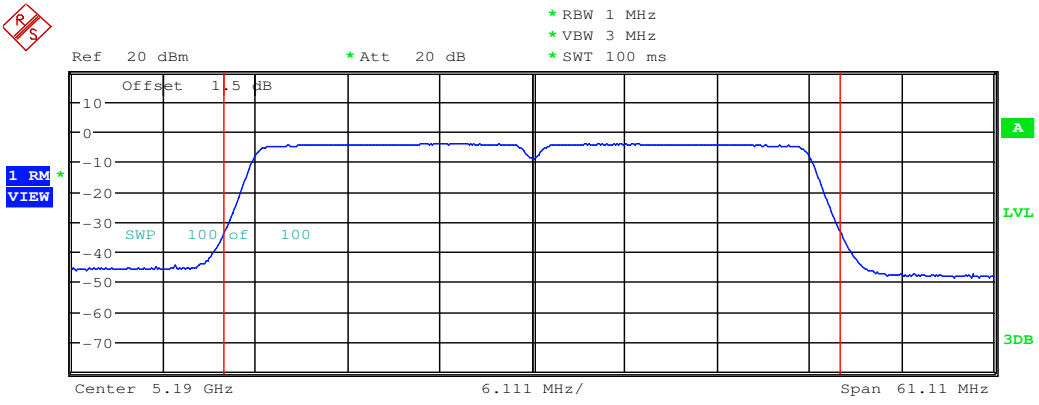
Maximum Conduct Output Power_11AC40_5190_Ant1



Tx Channel

Bandwidth	40.56 MHz	Power	9.78 dBm

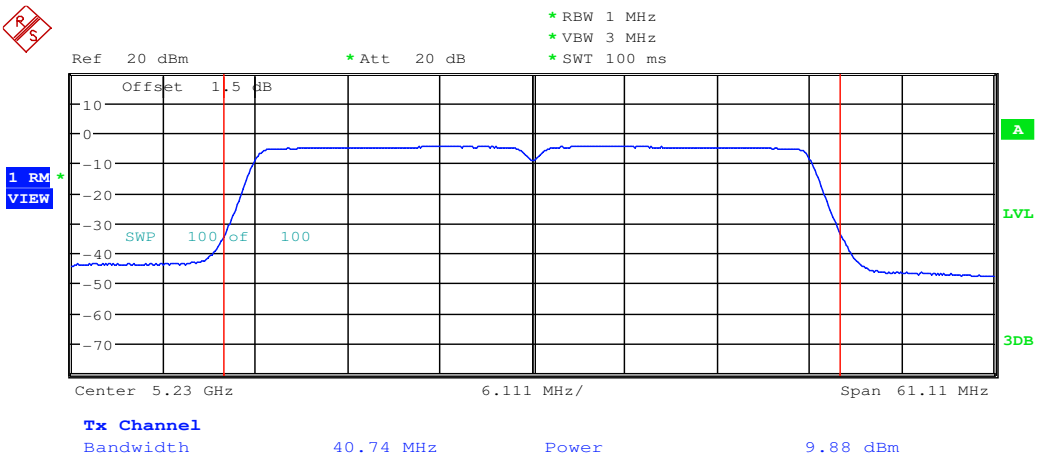
Maximum Conduct Output Power_11AC40_5190_Ant2



Tx Channel

Bandwidth	40.74 MHz	Power	10.29 dBm

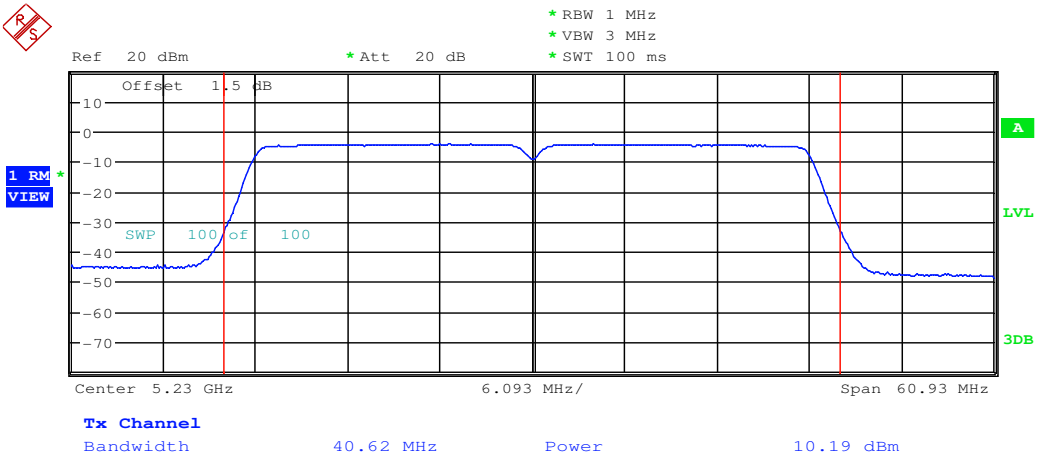
Maximum Conduct Output Power_11AC40_5230_Ant1



Tx Channel

Bandwidth	40.74 MHz	Power	9.88 dBm

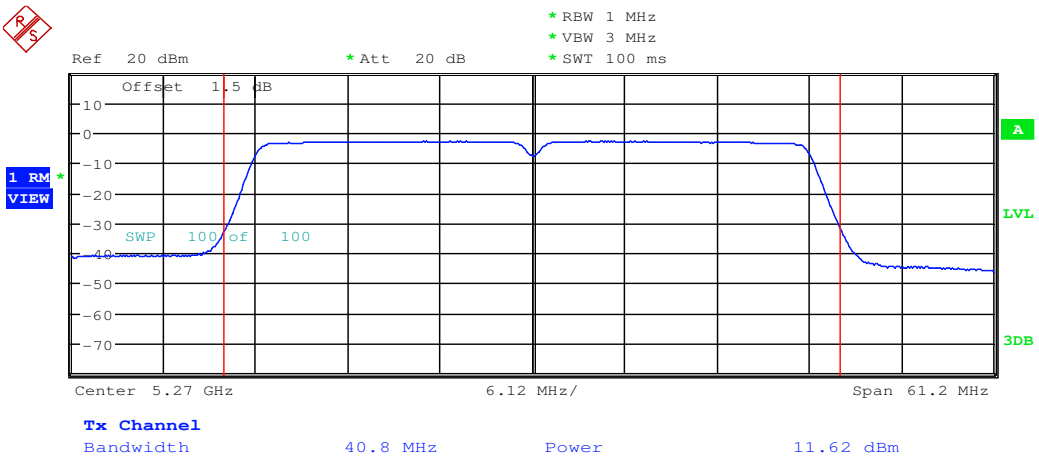
Maximum Conduct Output Power_11AC40_5230_Ant2



Tx Channel

Bandwidth	40.62 MHz	Power	10.19 dBm

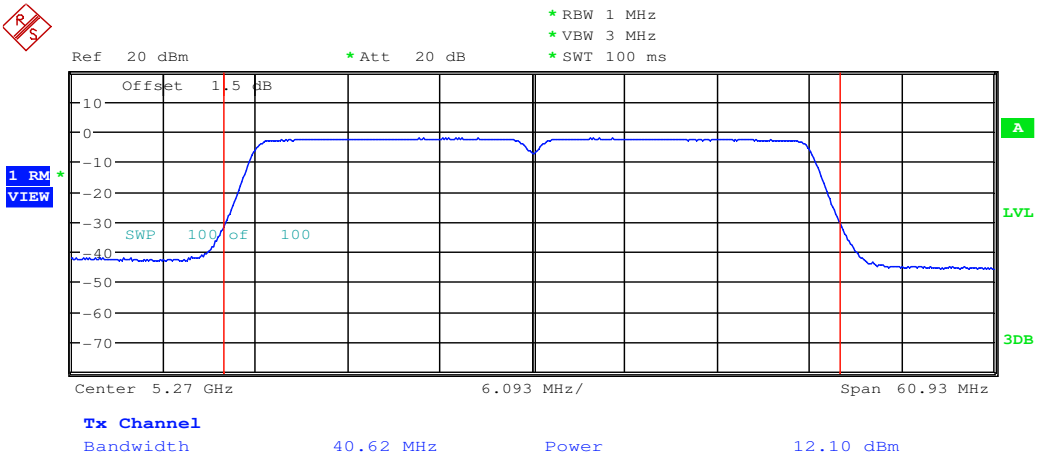
Maximum Conduct Output Power_11AC40_5270_Ant1



Tx Channel

Bandwidth	40.8 MHz	Power	11.62 dBm

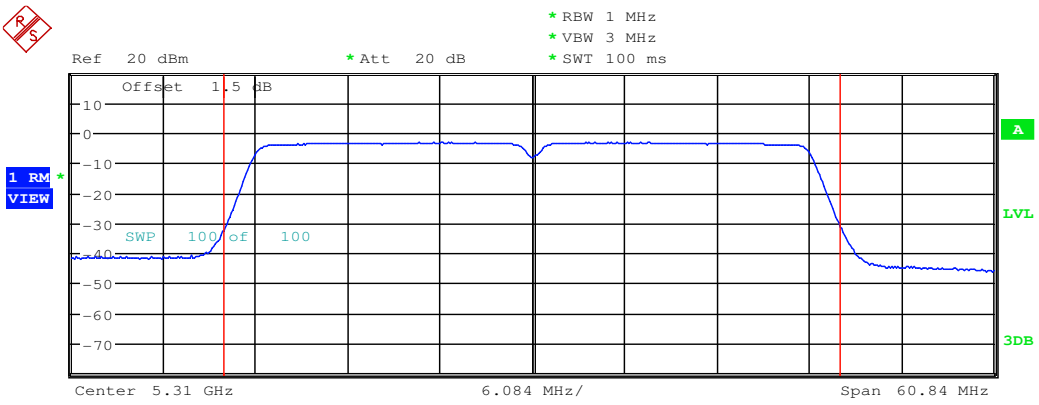
Maximum Conduct Output Power_11AC40_5270_Ant2



Tx Channel

Bandwidth	40.62 MHz	Power	12.10 dBm

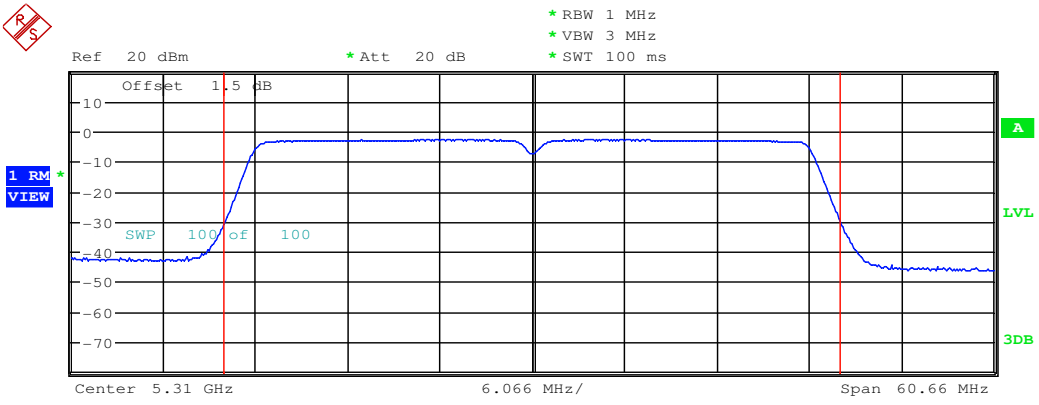
Maximum Conduct Output Power_11AC40_5310_Ant1



Tx Channel

Bandwidth	40.56 MHz	Power	11.16 dBm

Maximum Conduct Output Power_11AC40_5310_Ant2



Tx Channel

Bandwidth	40.44 MHz	Power	11.74 dBm

4.Maximum Power Spectral Density

Test Mode	Test Channel	Ant	Level [dBm/MHz]	10log(1/x) Factor [dB]	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	5180	Ant1	3.27	0.32	3.59	<11.00	PASS
11A	5180	Ant2	3.96	0.32	4.28	<11.00	PASS
11A	5220	Ant1	2.84	0.34	3.18	<11.00	PASS
11A	5220	Ant2	3.53	0.34	3.87	<11.00	PASS
11A	5240	Ant1	2.8	0.32	3.12	<11.00	PASS
11A	5240	Ant2	3.49	0.32	3.81	<11.00	PASS
11A	5260	Ant1	4.03	0.32	4.35	<11.00	PASS
11A	5260	Ant2	4.77	0.34	5.11	<11.00	PASS
11A	5300	Ant1	4.15	0.32	4.47	<11.00	PASS
11A	5300	Ant2	4.45	0.32	4.77	<11.00	PASS
11A	5320	Ant1	3.7	0.32	4.02	<11.00	PASS
11A	5320	Ant2	4.2	0.34	4.54	<11.00	PASS
11N20	5180	Ant1	-2.06	0.34	-1.72	<11.00	PASS
11N20	5180	Ant2	-1.8	0.34	-1.46	<11.00	PASS
11N20	5220	Ant1	-1.86	0.34	-1.52	<11.00	PASS
11N20	5220	Ant2	-1.8	0.34	-1.46	<11.00	PASS
11N20	5240	Ant1	-1.92	0.34	-1.58	<11.00	PASS
11N20	5240	Ant2	-2.06	0.34	-1.72	<11.00	PASS
11N20	5260	Ant1	-0.39	0.34	-0.05	<11.00	PASS
11N20	5260	Ant2	-0.26	0.36	0.1	<11.00	PASS
11N20	5300	Ant1	-1.11	0.34	-0.77	<11.00	PASS
11N20	5300	Ant2	-0.47	0.34	-0.13	<11.00	PASS
11N20	5320	Ant1	-1.56	0.34	-1.22	<11.00	PASS
11N20	5320	Ant2	-0.9	0.34	-0.56	<11.00	PASS
11N40	5190	Ant1	-3.77	0.64	-3.13	<11.00	PASS
11N40	5190	Ant2	-3.66	0.66	-3	<11.00	PASS
11N40	5230	Ant1	-3.64	0.66	-2.98	<11.00	PASS
11N40	5230	Ant2	-3.45	0.66	-2.79	<11.00	PASS
11N40	5270	Ant1	-1.8	0.66	-1.14	<11.00	PASS
11N40	5270	Ant2	-1.43	0.64	-0.79	<11.00	PASS
11N40	5310	Ant1	-2.52	0.64	-1.88	<11.00	PASS

11N40	5310	Ant2	-1.55	0.66	-0.89	<11.00	PASS
11AC20	5180	Ant1	-1.85	0.34	-1.51	<11.00	PASS
11AC20	5180	Ant2	-1.94	0.34	-1.6	<11.00	PASS
11AC20	5220	Ant1	-2.02	0.34	-1.68	<11.00	PASS
11AC20	5220	Ant2	-2.08	0.34	-1.74	<11.00	PASS
11AC20	5240	Ant1	-1.85	0.36	-1.49	<11.00	PASS
11AC20	5240	Ant2	-1.8	0.34	-1.46	<11.00	PASS
11AC20	5260	Ant1	-0.36	0.34	-0.02	<11.00	PASS
11AC20	5260	Ant2	0.16	0.34	0.5	<11.00	PASS
11AC20	5300	Ant1	-0.85	0.36	-0.49	<11.00	PASS
11AC20	5300	Ant2	-0.3	0.34	0.04	<11.00	PASS
11AC20	5320	Ant1	-0.91	0.34	-0.57	<11.00	PASS
11AC20	5320	Ant2	-0.58	0.34	-0.24	<11.00	PASS
11AC80	5210	Ant1	-7.67	1.19	-6.48	<11.00	PASS
11AC80	5210	Ant2	-7.32	1.17	-6.15	<11.00	PASS
11AC80	5290	Ant1	-6.46	1.22	-5.24	<11.00	PASS
11AC80	5290	Ant2	-5.65	1.22	-4.43	<11.00	PASS
11AC40	5190	Ant1	-3.8	0.64	-3.16	<11.00	PASS
11AC40	5190	Ant2	-3.12	0.64	-2.48	<11.00	PASS
11AC40	5230	Ant1	-3.66	0.66	-3	<11.00	PASS
11AC40	5230	Ant2	-3.28	0.66	-2.62	<11.00	PASS
11AC40	5270	Ant1	-1.9	0.66	-1.24	<11.00	PASS
11AC40	5270	Ant2	-1.38	0.64	-0.74	<11.00	PASS
11AC40	5310	Ant1	-2.38	0.66	-1.72	<11.00	PASS
11AC40	5310	Ant2	-1.86	0.64	-1.22	<11.00	PASS

MIMO:

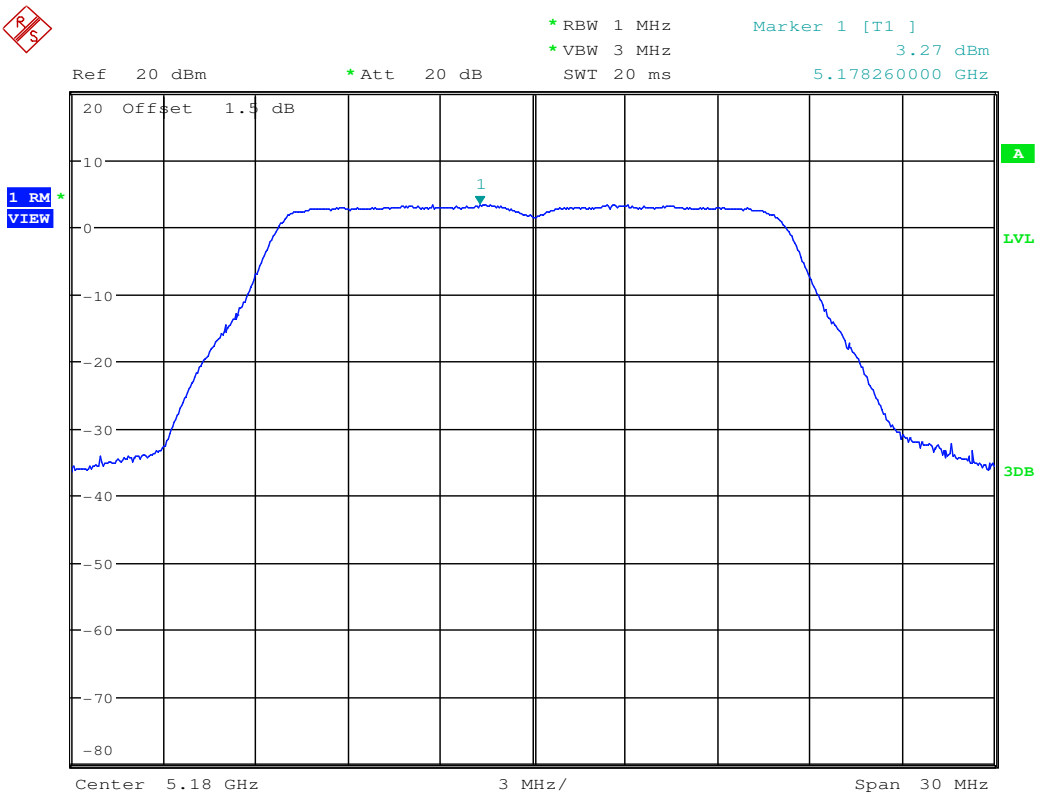
Test Mode	Test Channel	Ant	PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
11N20	5180	Ant1+2	1.42	<11.00	PASS
11N20	5220	Ant1+2	1.52	<11.00	PASS
11N20	5240	Ant1+2	1.36	<11.00	PASS
11N20	5260	Ant1+2	3.04	<11.00	PASS
11N20	5300	Ant1+2	2.57	<11.00	PASS

11N20	5320	Ant1+2	2.13	<11.00	PASS
11N40	5190	Ant1+2	-0.05	<11.00	PASS
11N40	5230	Ant1+2	0.13	<11.00	PASS
11N40	5270	Ant1+2	2.05	<11.00	PASS
11N40	5310	Ant1+2	1.65	<11.00	PASS
11AC20	5180	Ant1+2	1.46	<11.00	PASS
11AC20	5220	Ant1+2	1.30	<11.00	PASS
11AC20	5240	Ant1+2	1.54	<11.00	PASS
11AC20	5260	Ant1+2	3.26	<11.00	PASS
11AC20	5300	Ant1+2	2.79	<11.00	PASS
11AC20	5320	Ant1+2	2.61	<11.00	PASS
11AC80	5210	Ant1+2	-3.30	<11.00	PASS
11AC80	5290	Ant1+2	-1.81	<11.00	PASS
11AC40	5190	Ant1+2	0.20	<11.00	PASS
11AC40	5230	Ant1+2	0.20	<11.00	PASS
11AC40	5270	Ant1+2	2.03	<11.00	PASS
11AC40	5310	Ant1+2	1.55	<11.00	PASS

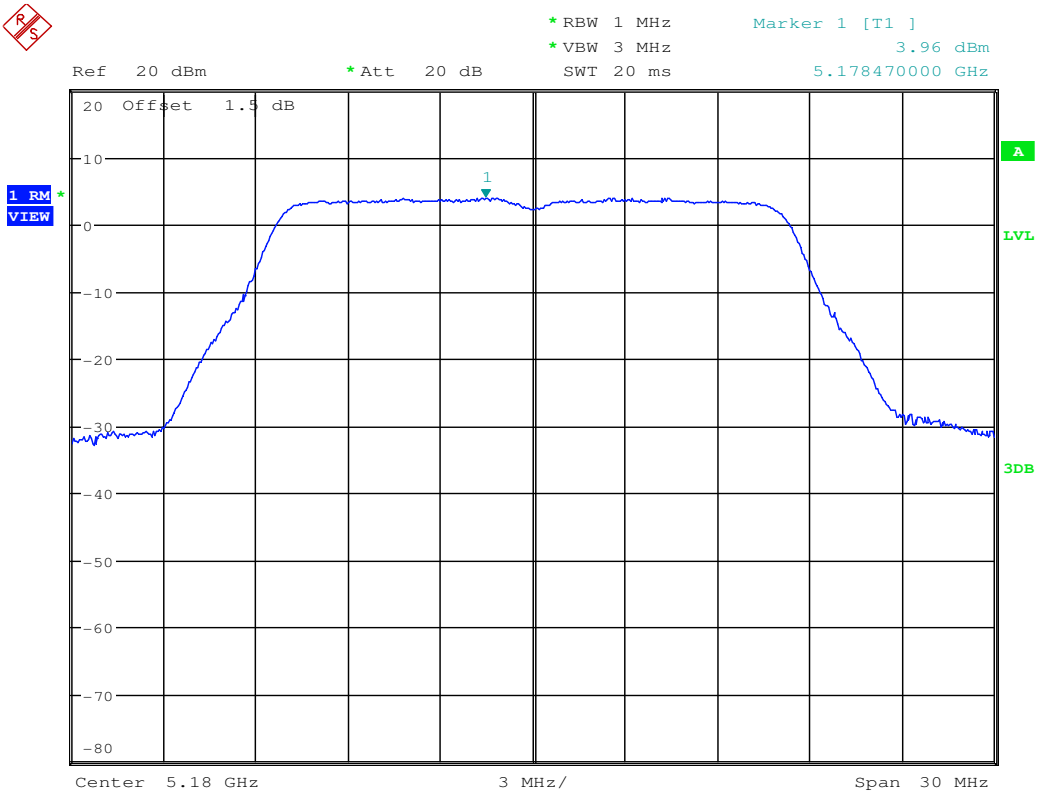
For band1:
Total directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)
Array Gain = 10 log(NANT), where NANT is the number of transmit antennas
So the total directional gain=-3.6dBi
For the directional gain is less than 6dBi, so no need to reduce the limit of power.

For band2:
Total directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)
Array Gain = 10 log(NANT), where NANT is the number of transmit antennas
So the total directional gain=5.73dBi
For the directional gain is less than 6dBi, so no need to reduce the limit of power.

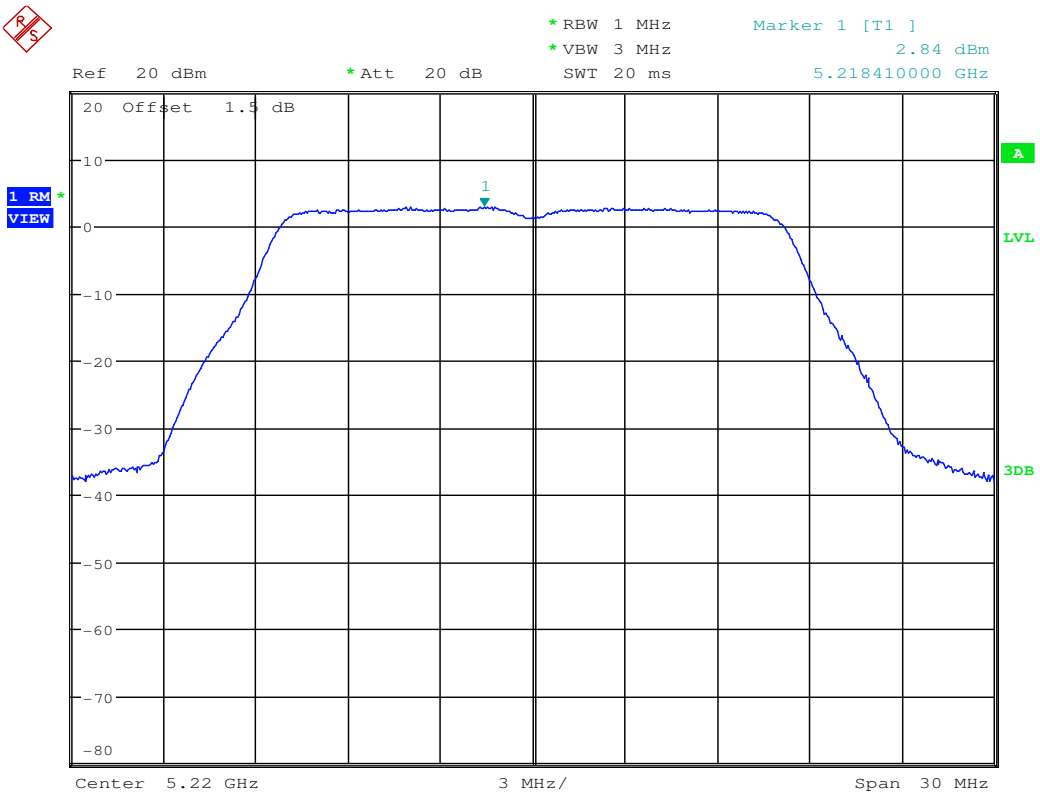
Maximum Power Spectral Density_TNVN_11A_5180_Ant1



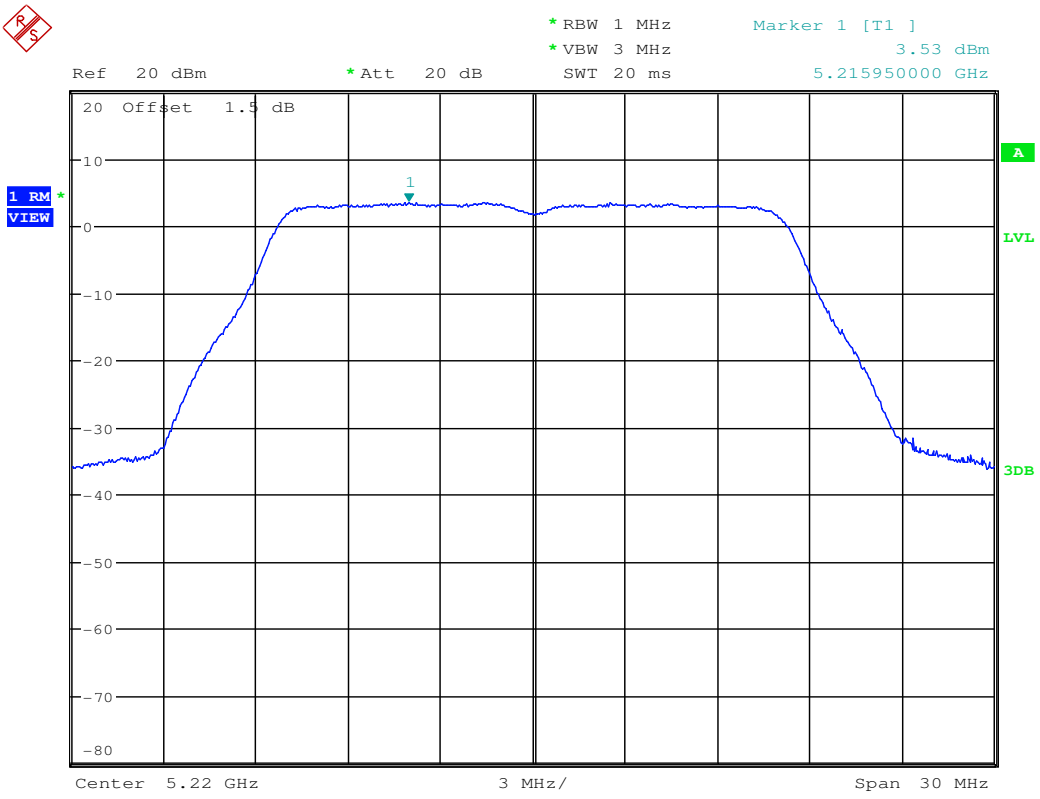
Maximum Power Spectral Density_TNVN_11A_5180_Ant2



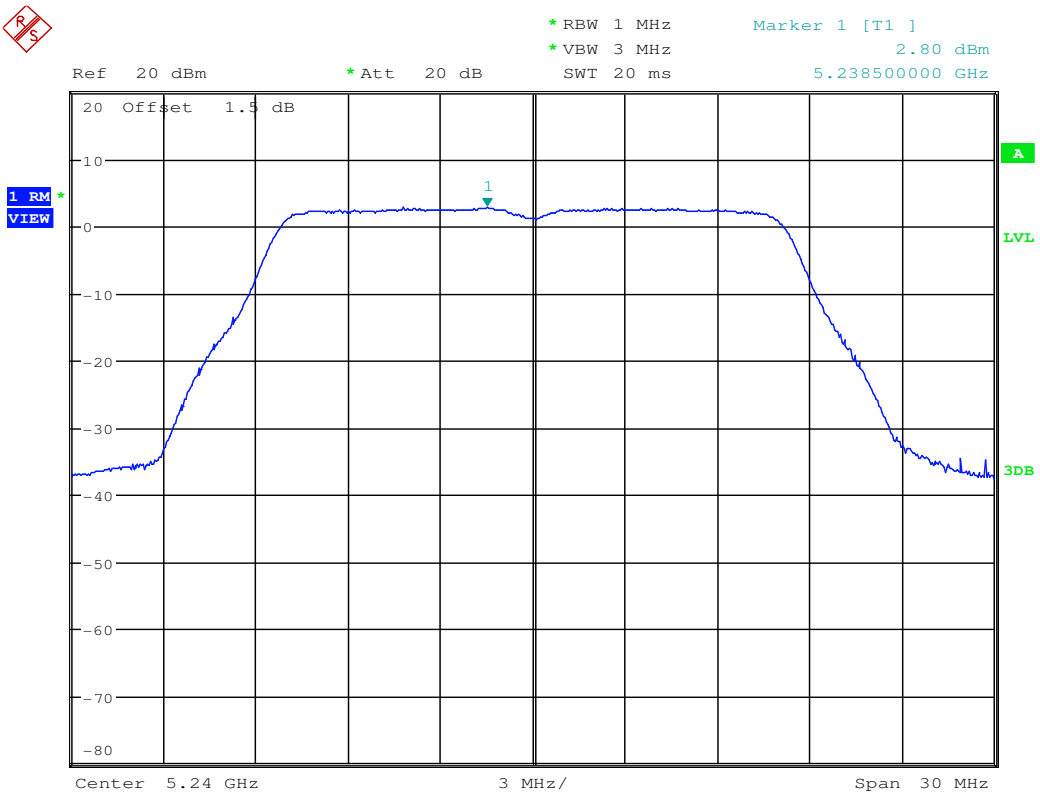
Maximum Power Spectral Density_TNVN_11A_5220_Ant1



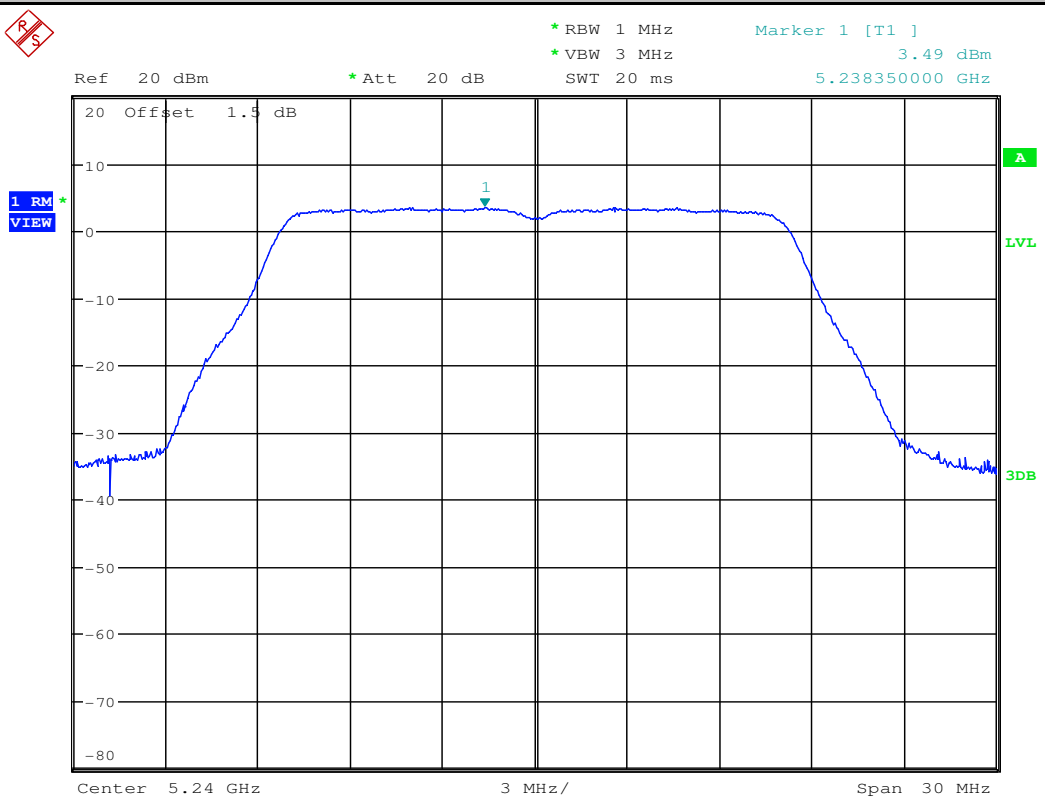
Maximum Power Spectral Density_TNVN_11A_5220_Ant2



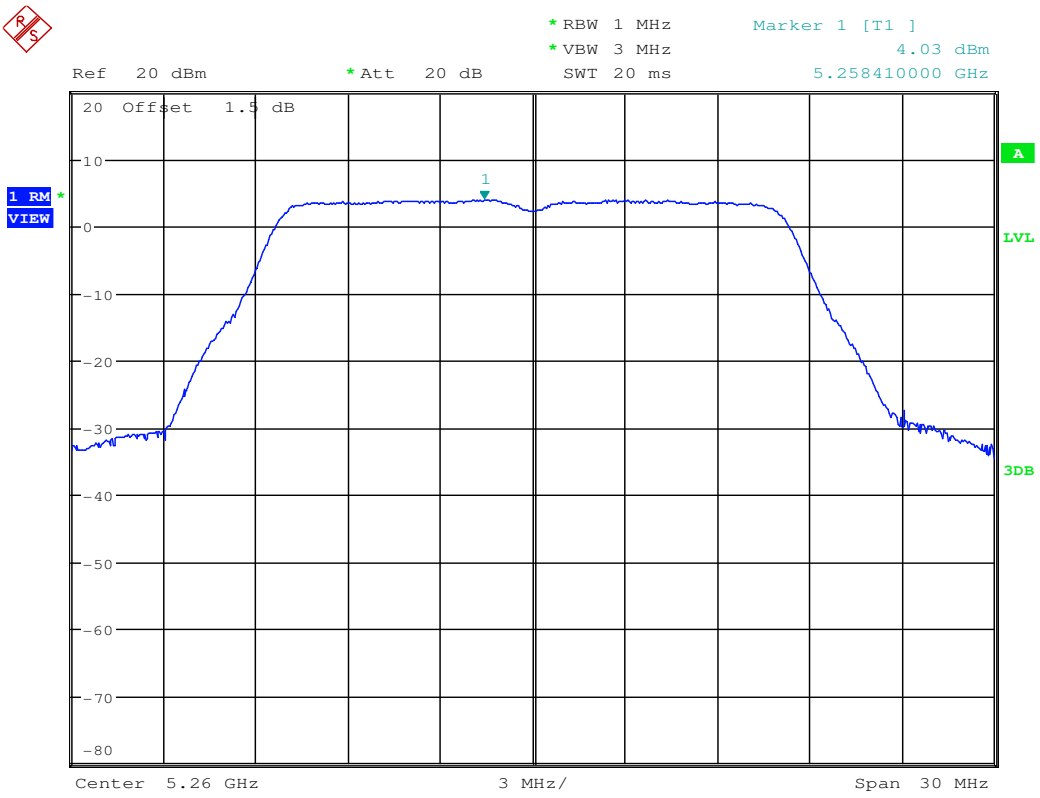
Maximum Power Spectral Density_TNVN_11A_5240_Ant1



Maximum Power Spectral Density_TNVN_11A_5240_Ant2



Maximum Power Spectral Density_TNVN_11A_5260_Ant1



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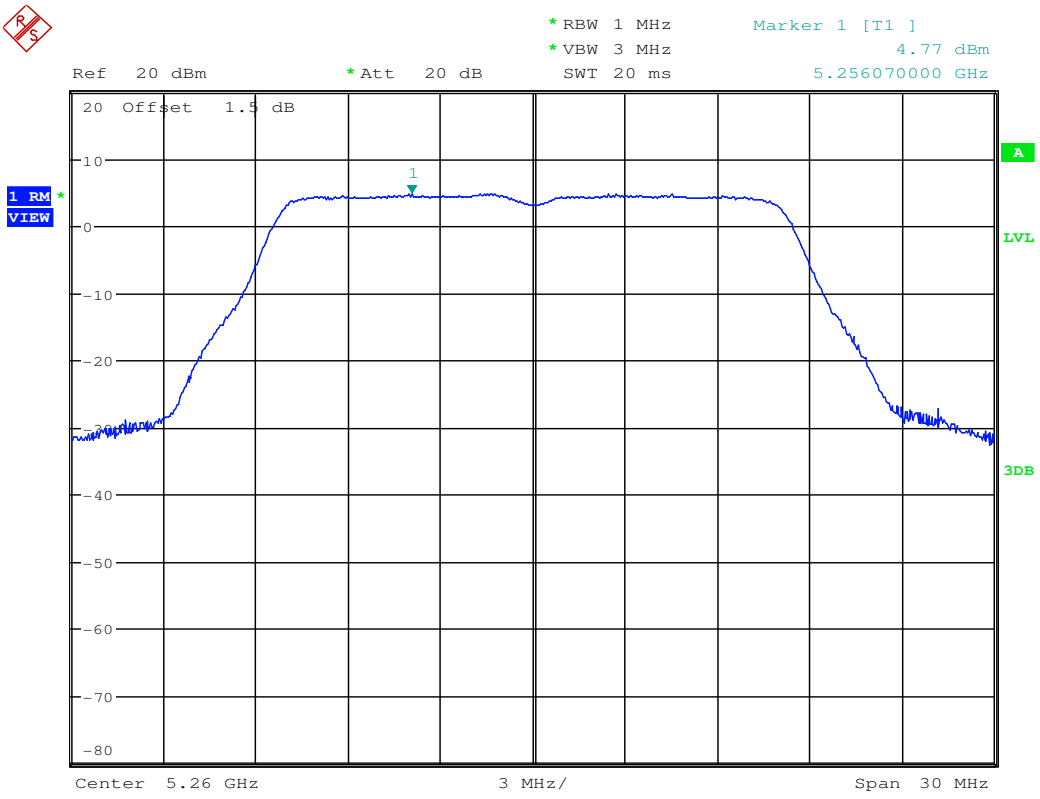
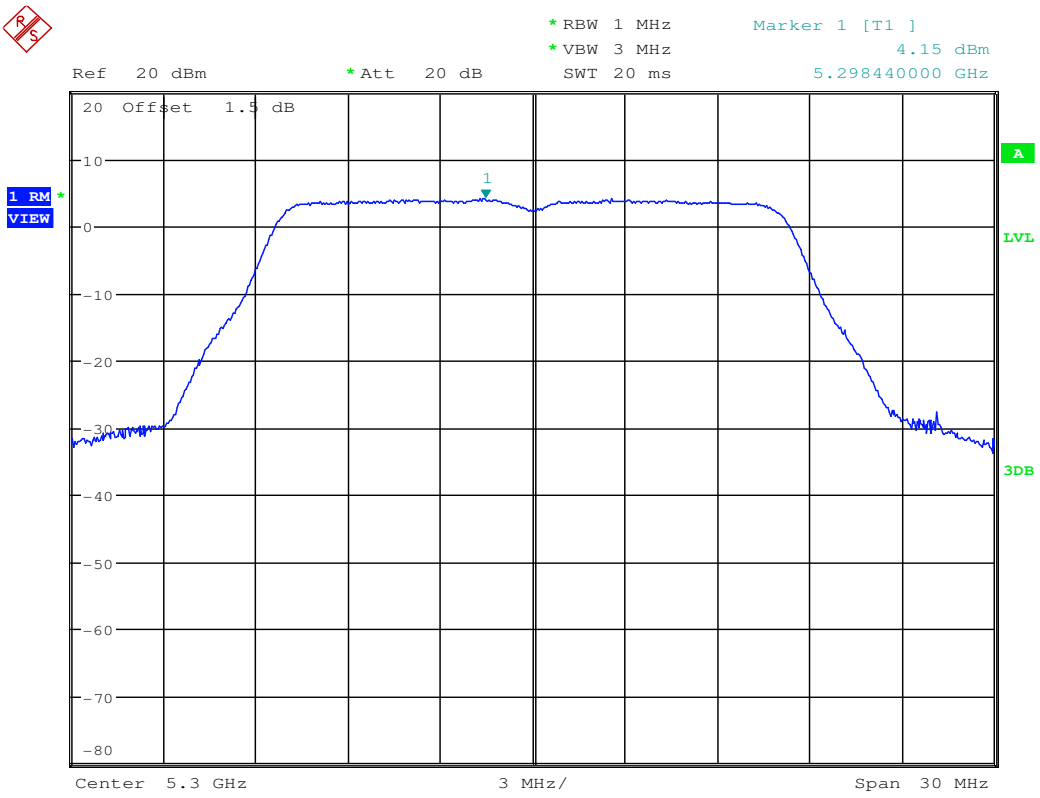


Maximum Power Spectral Density_TNVN_11A_5300_Ant1



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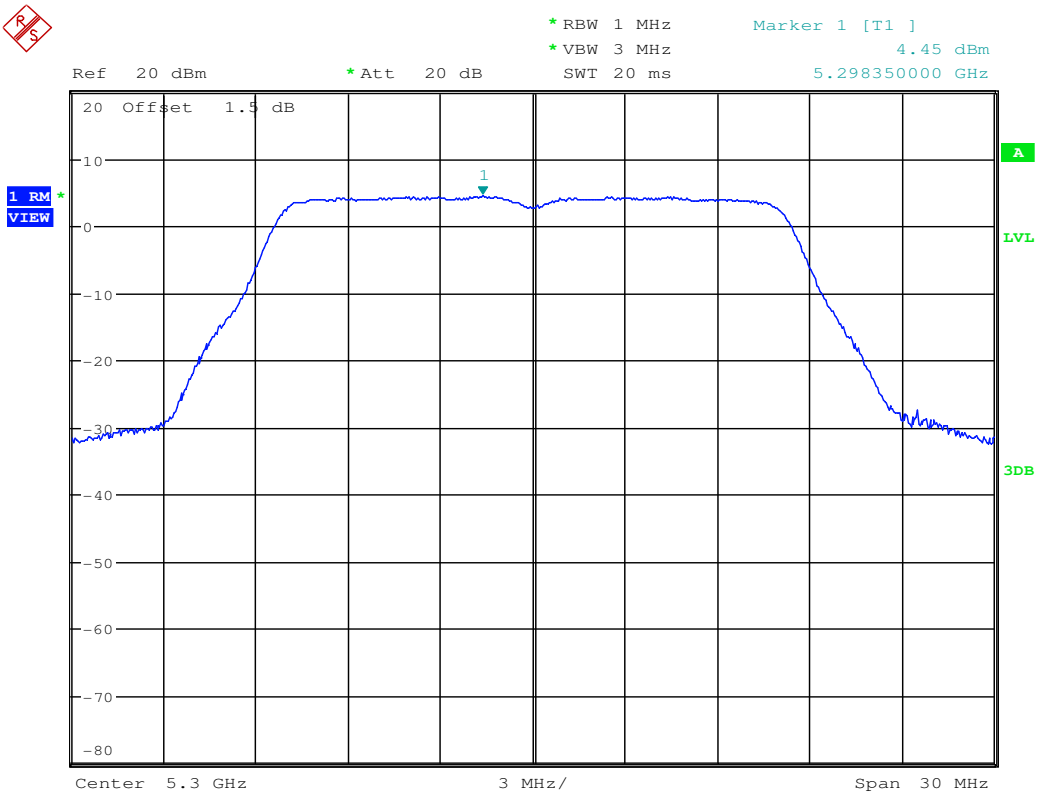
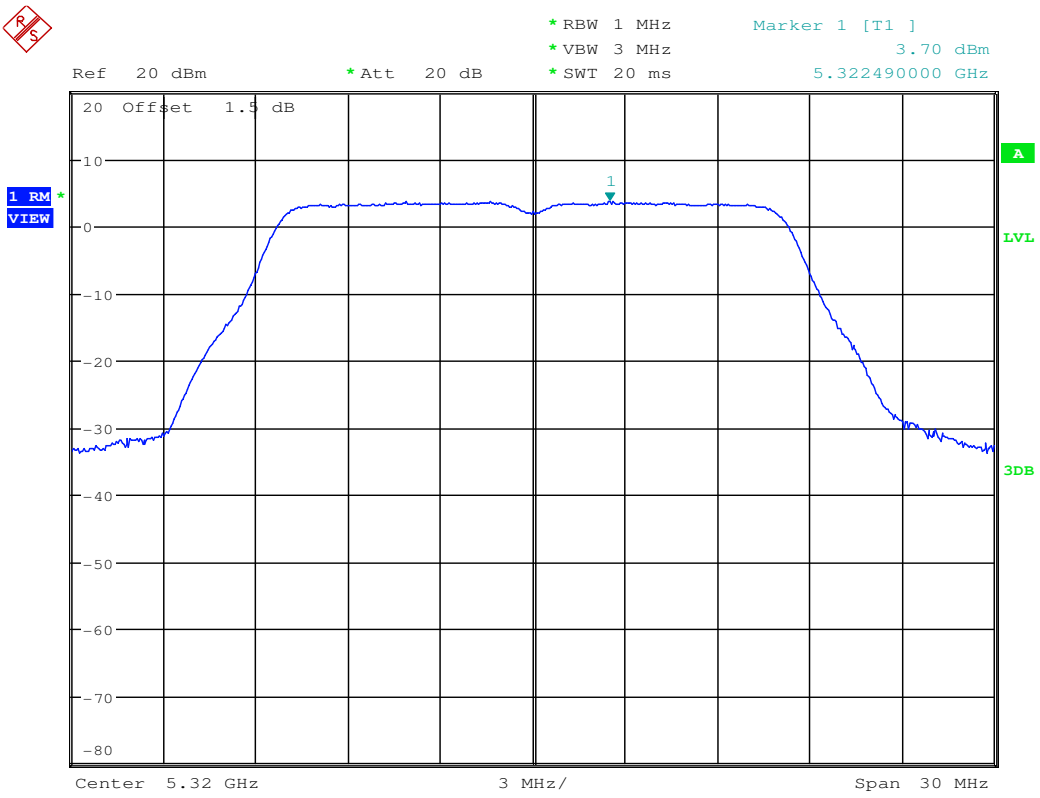


Maximum Power Spectral Density_TNVN_11A_5320_Ant1



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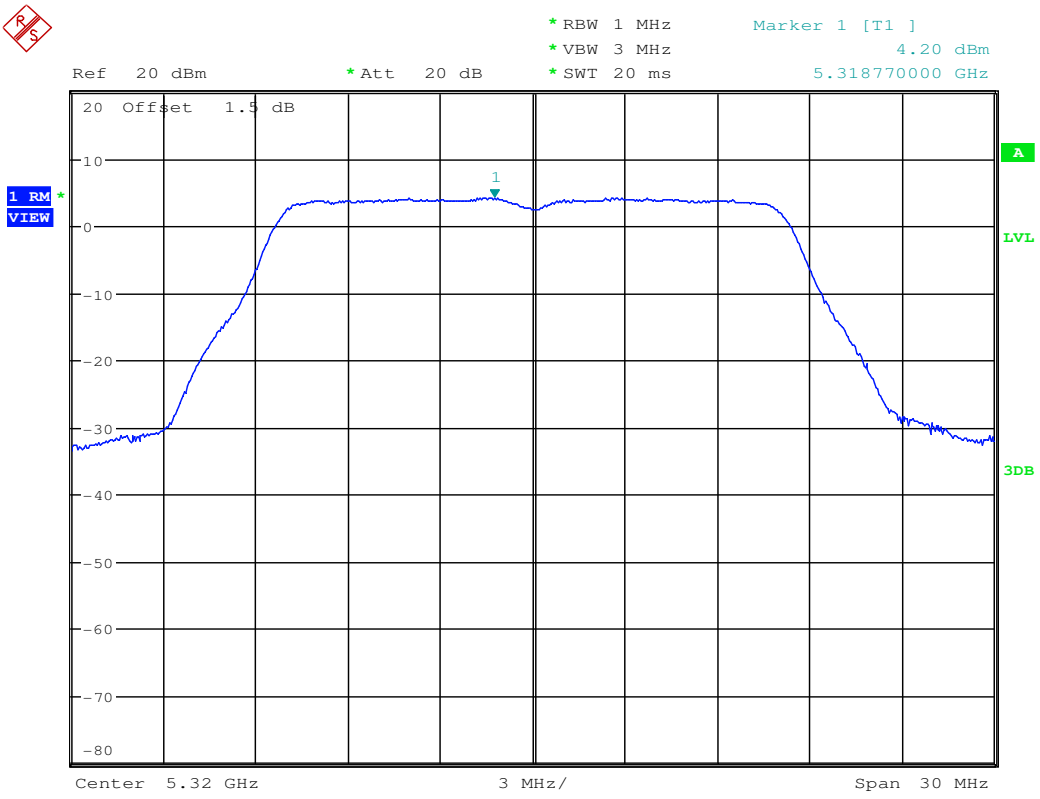
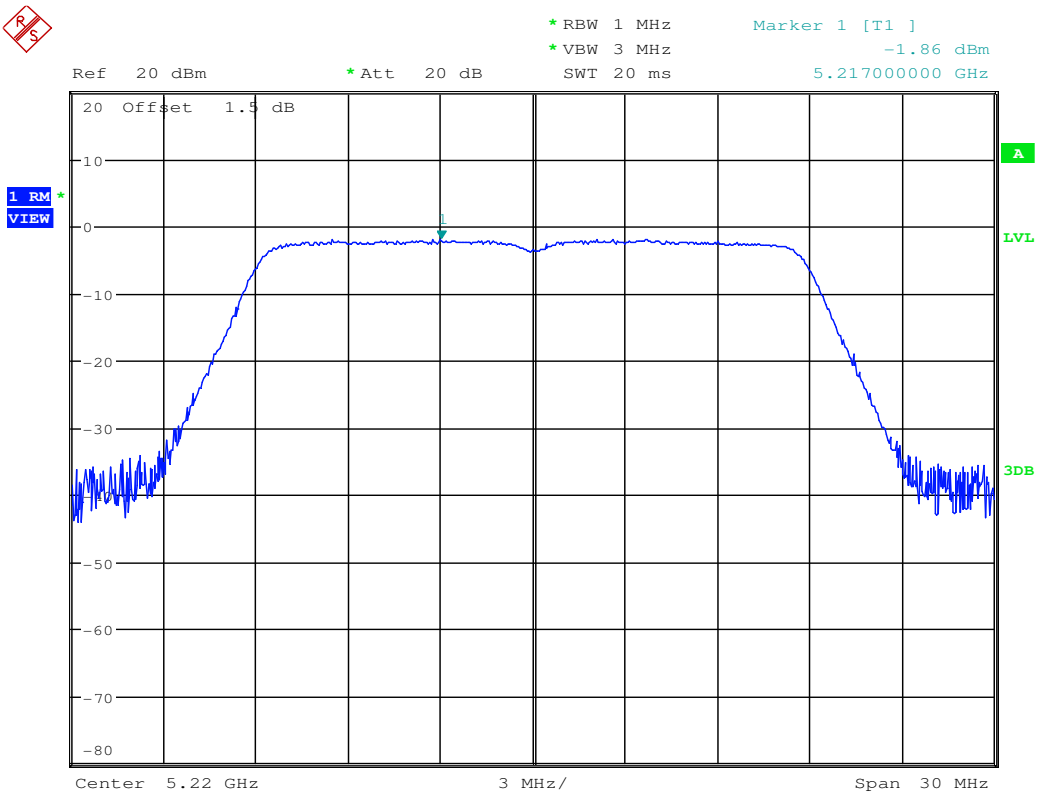
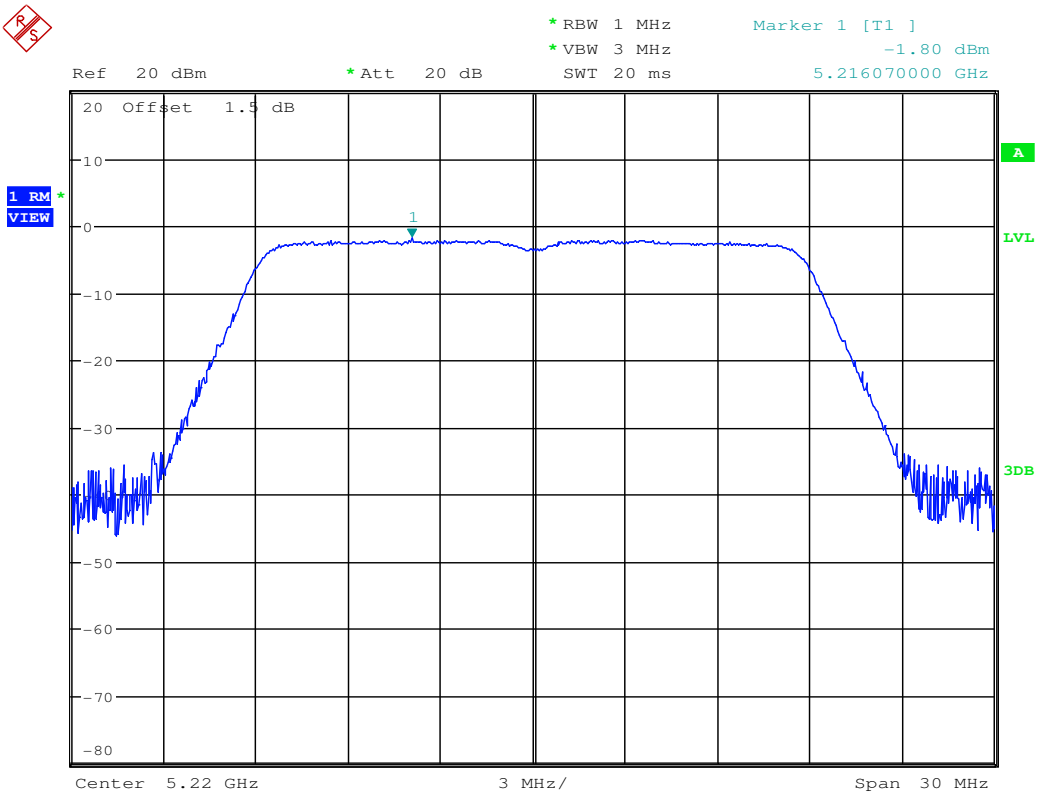


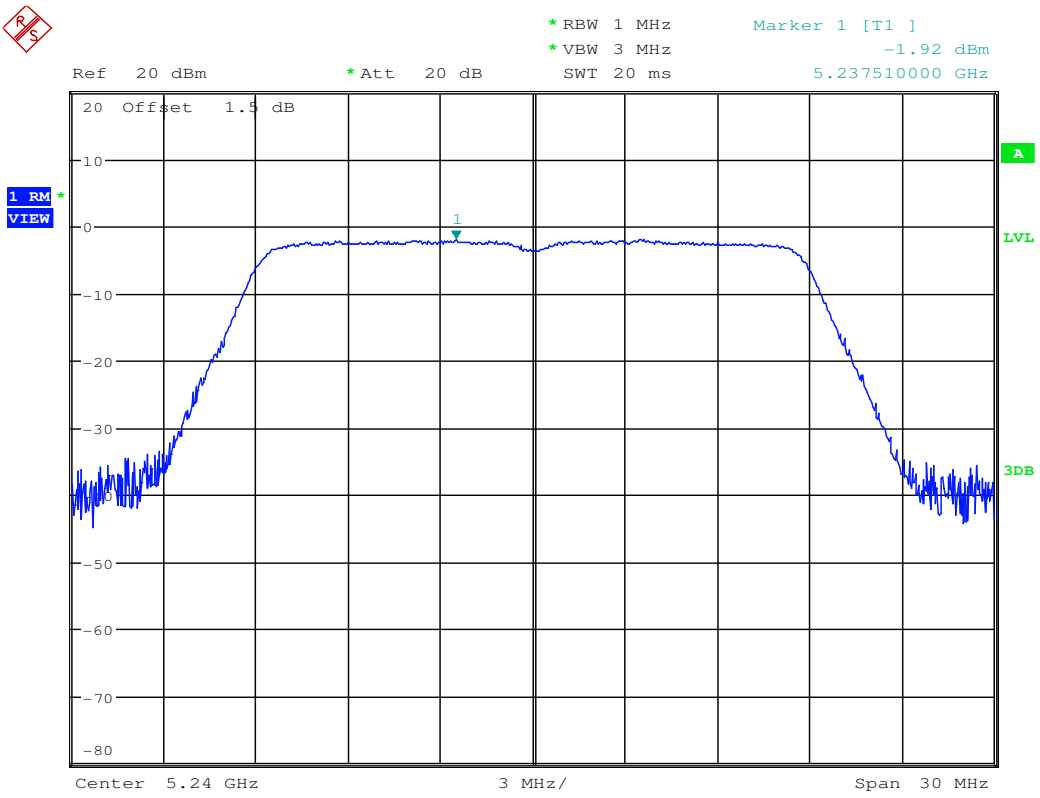
Maximum Power Spectral Density_TNVN_11N20_5220_Ant1



Maximum Power Spectral Density_TNVN_11N20_5220_Ant2



Maximum Power Spectral Density_TNVN_11N20_5240_Ant1



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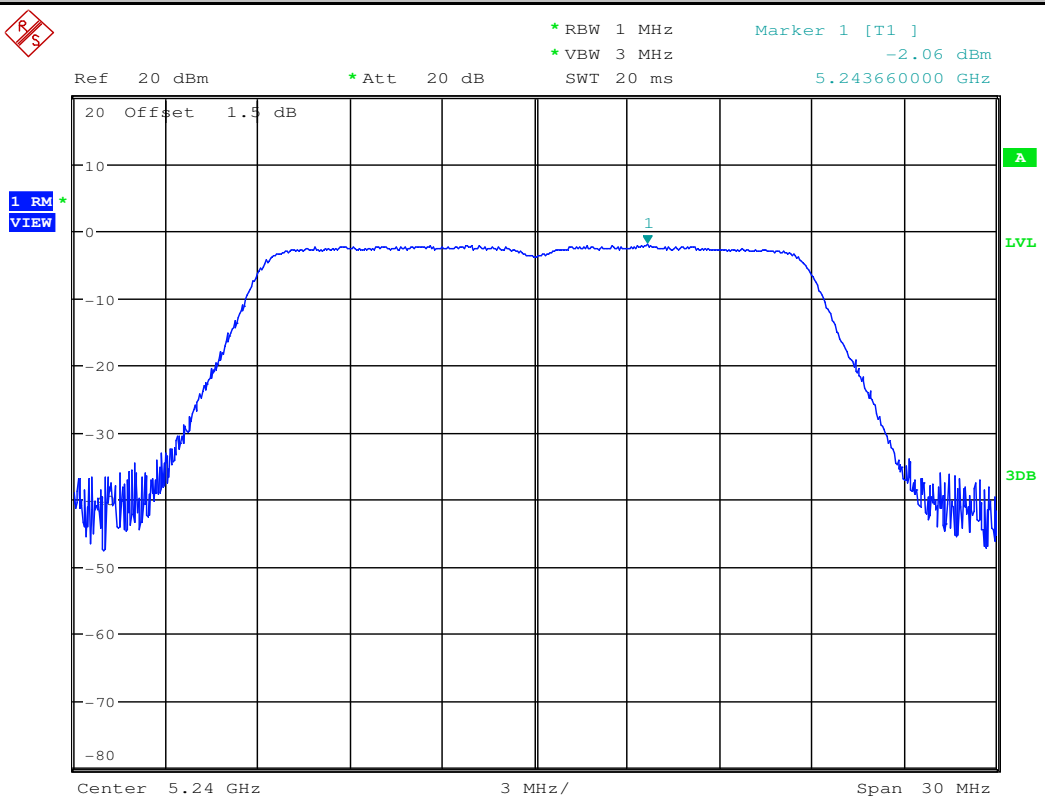
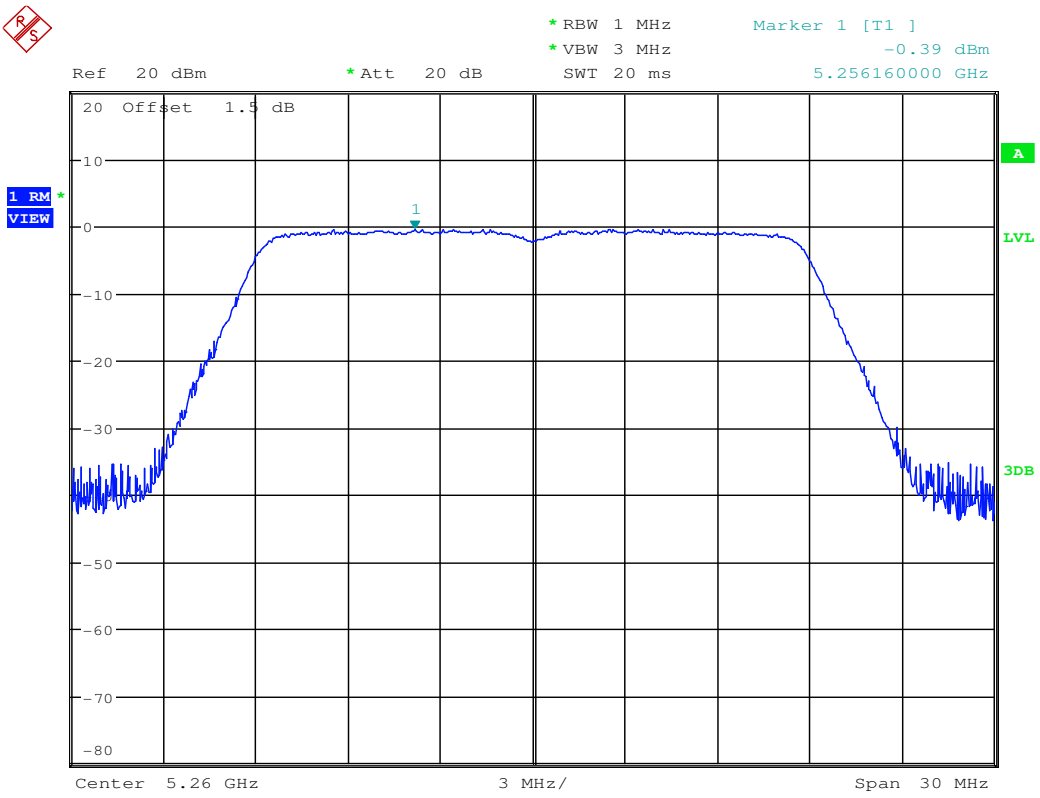


Maximum Power Spectral Density_TNVN_11N20_5260_Ant1



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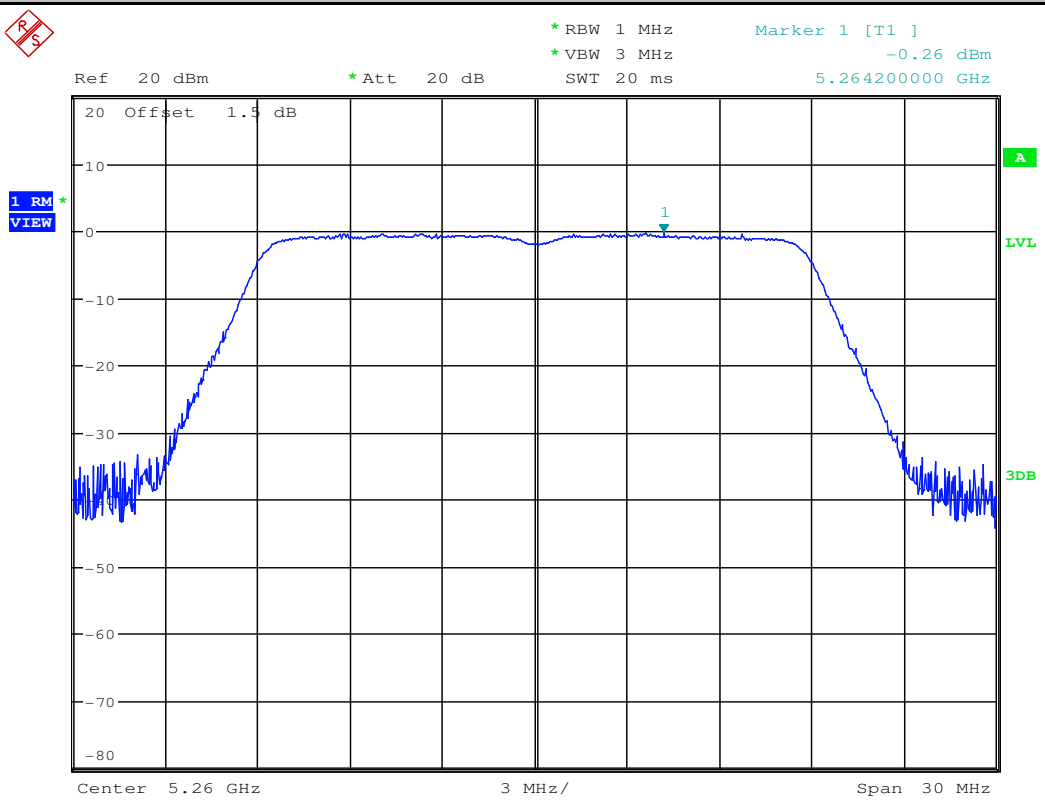
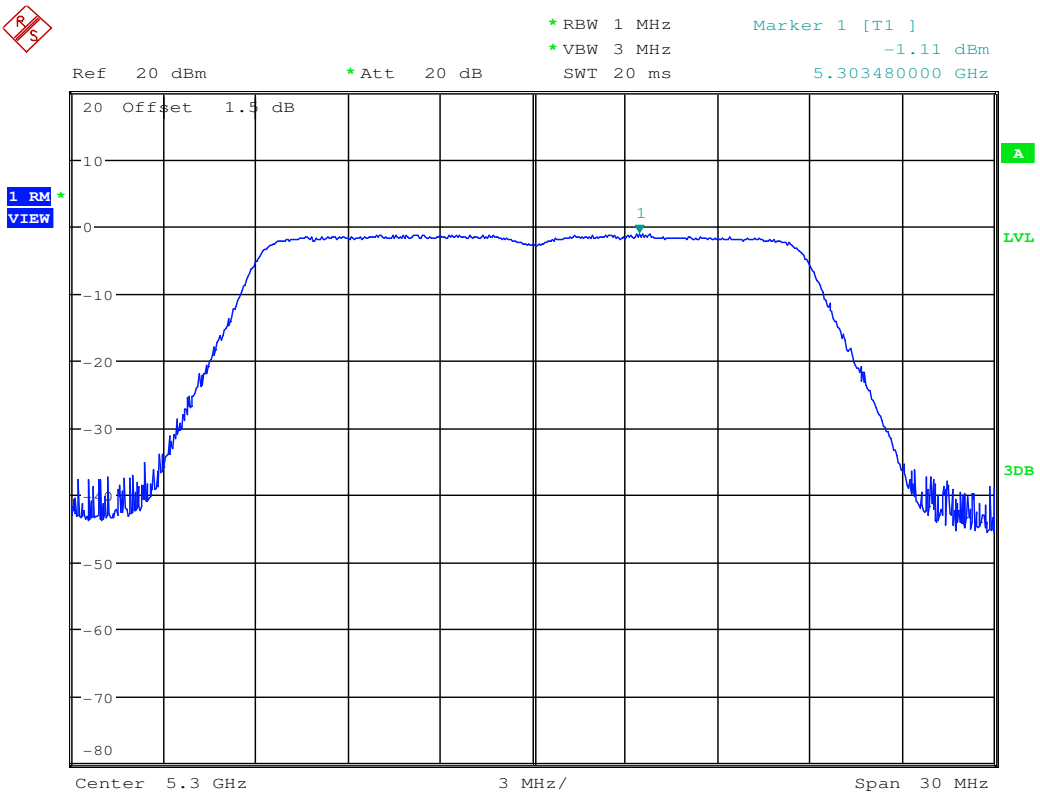


Maximum Power Spectral Density_TNVN_11N20_5300_Ant1



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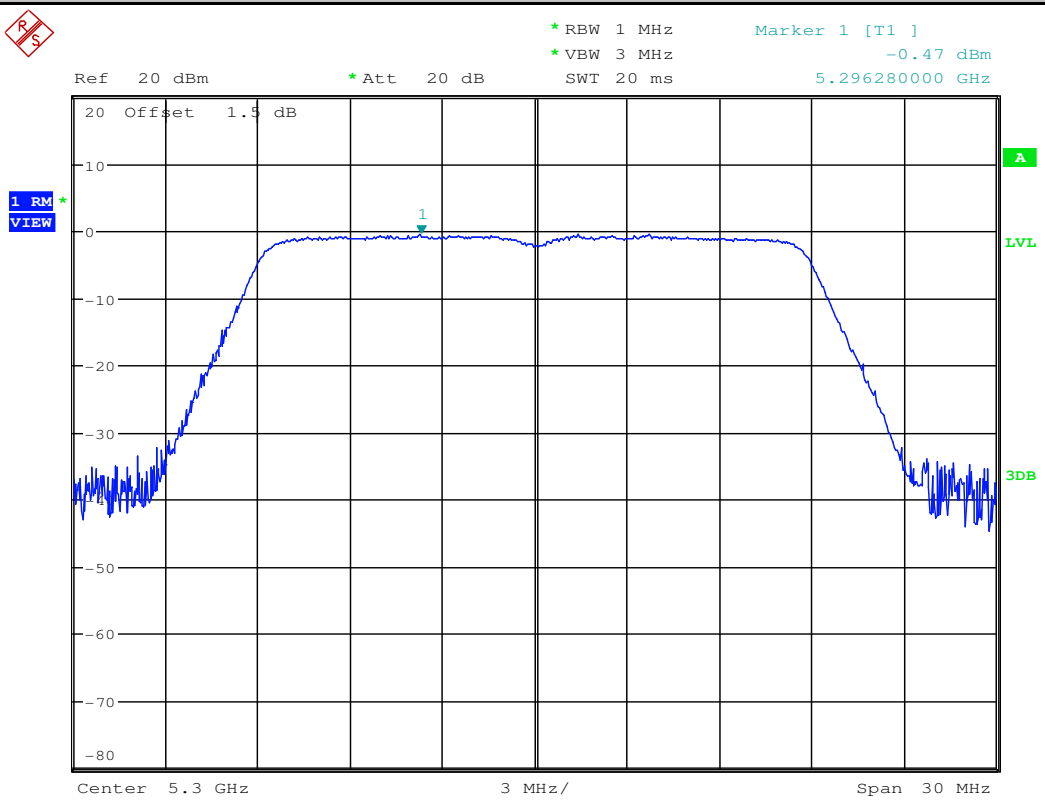

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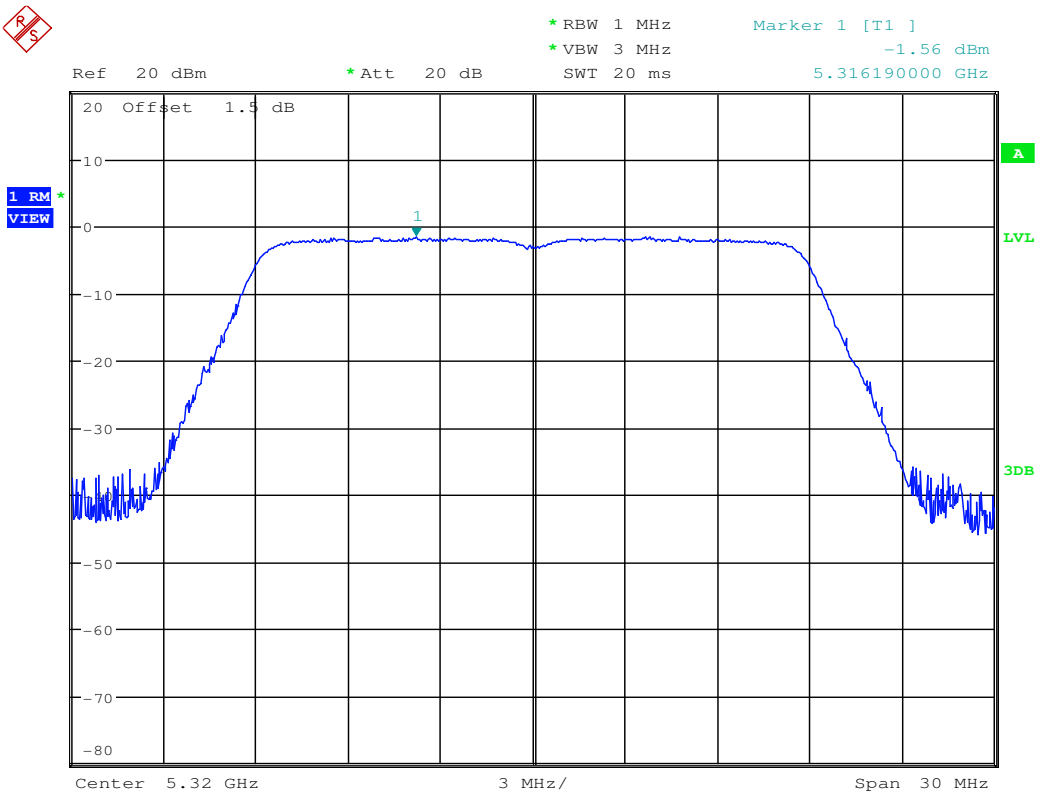

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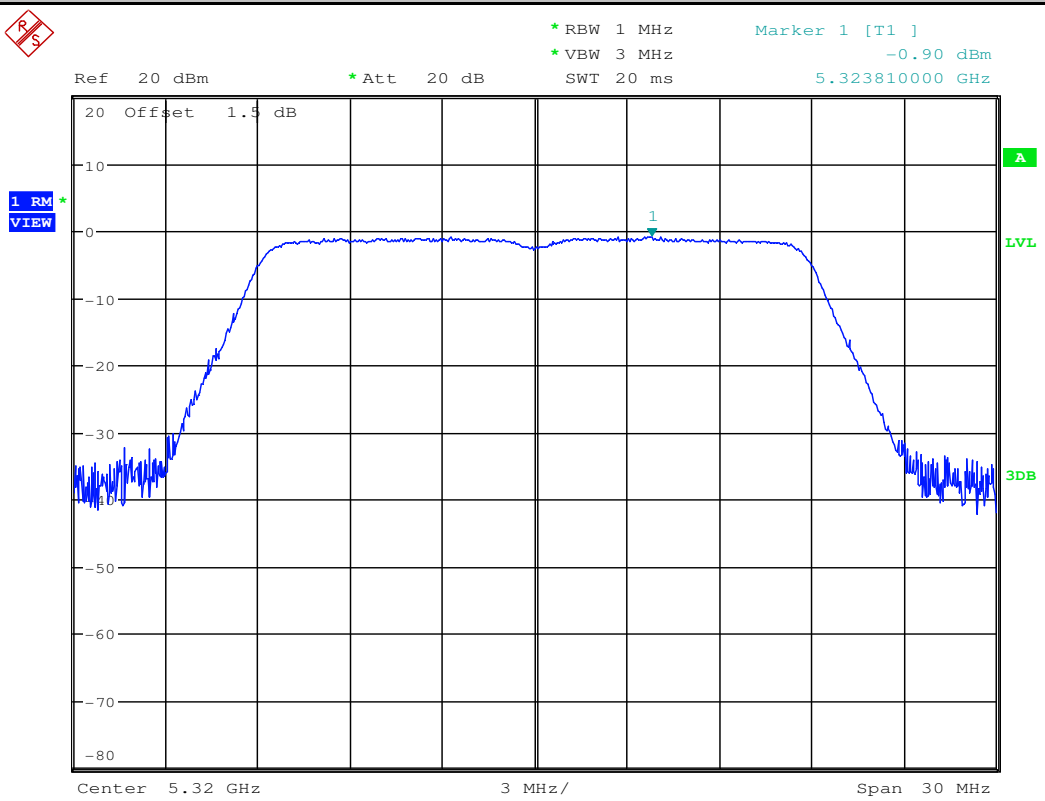
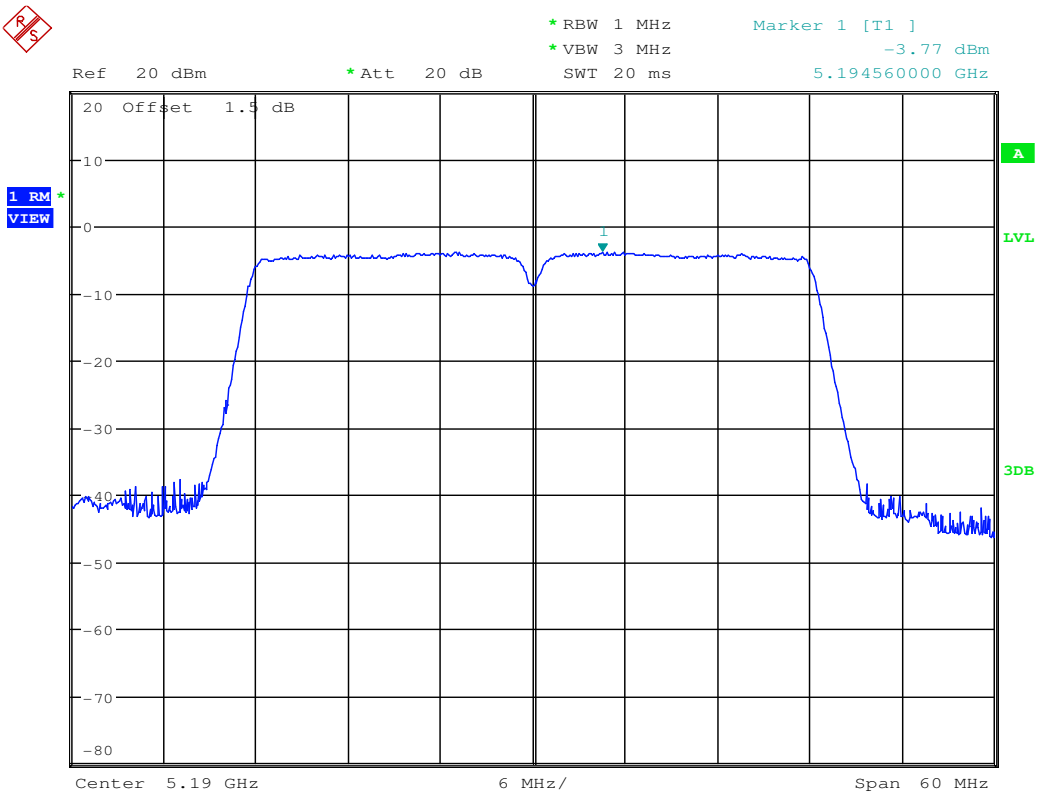


Maximum Power Spectral Density_TNVN_11N40_5190_Ant1



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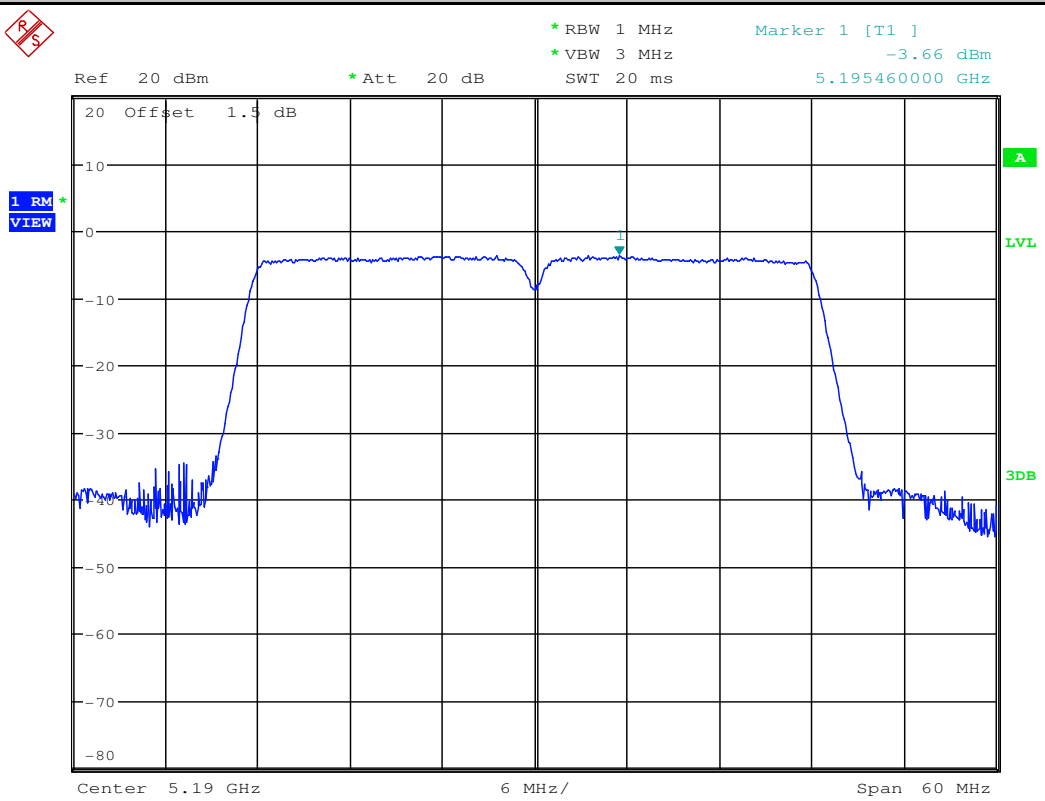

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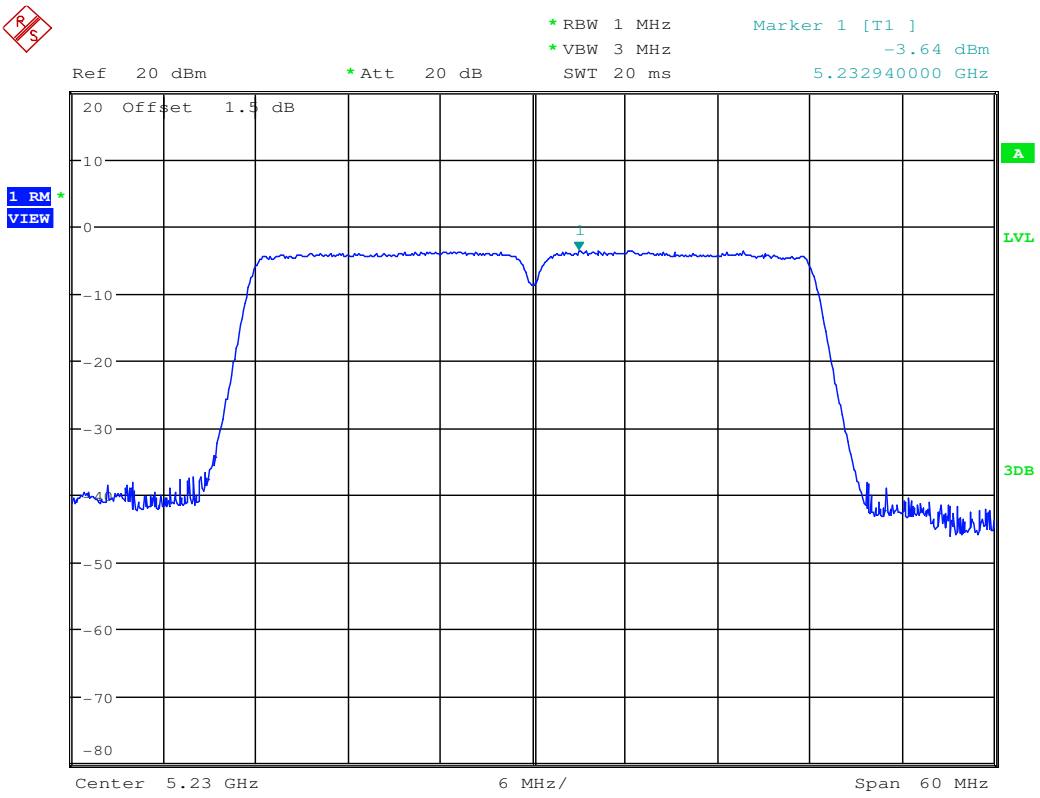

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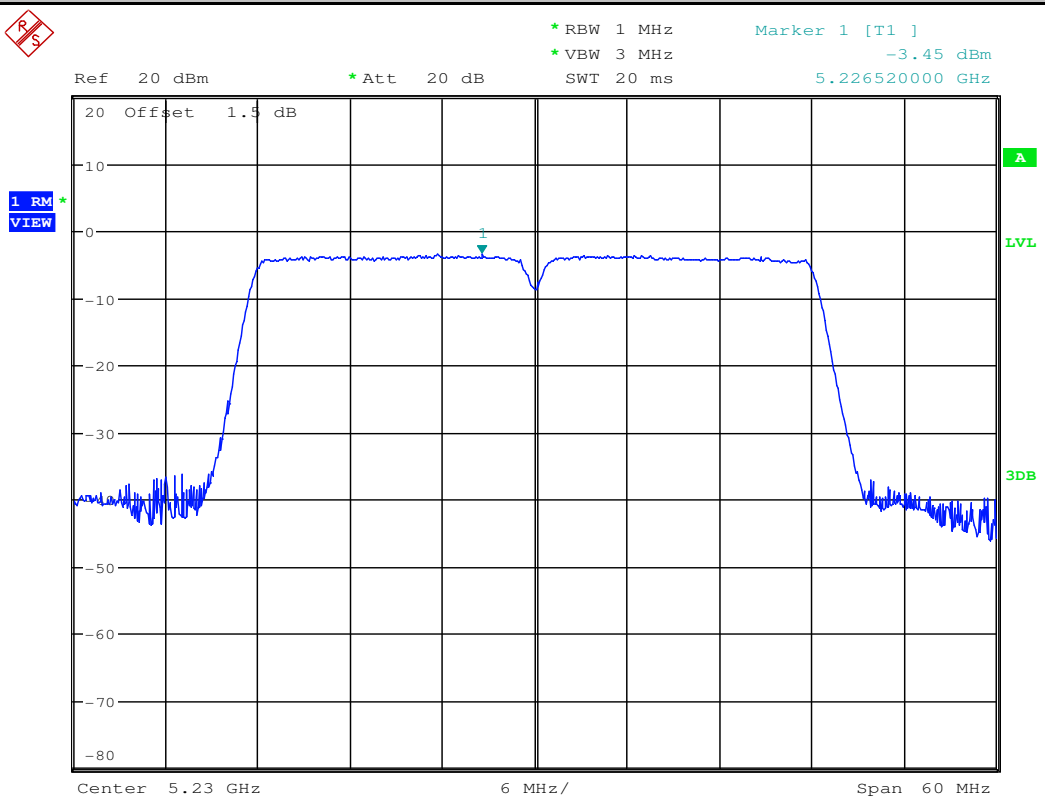

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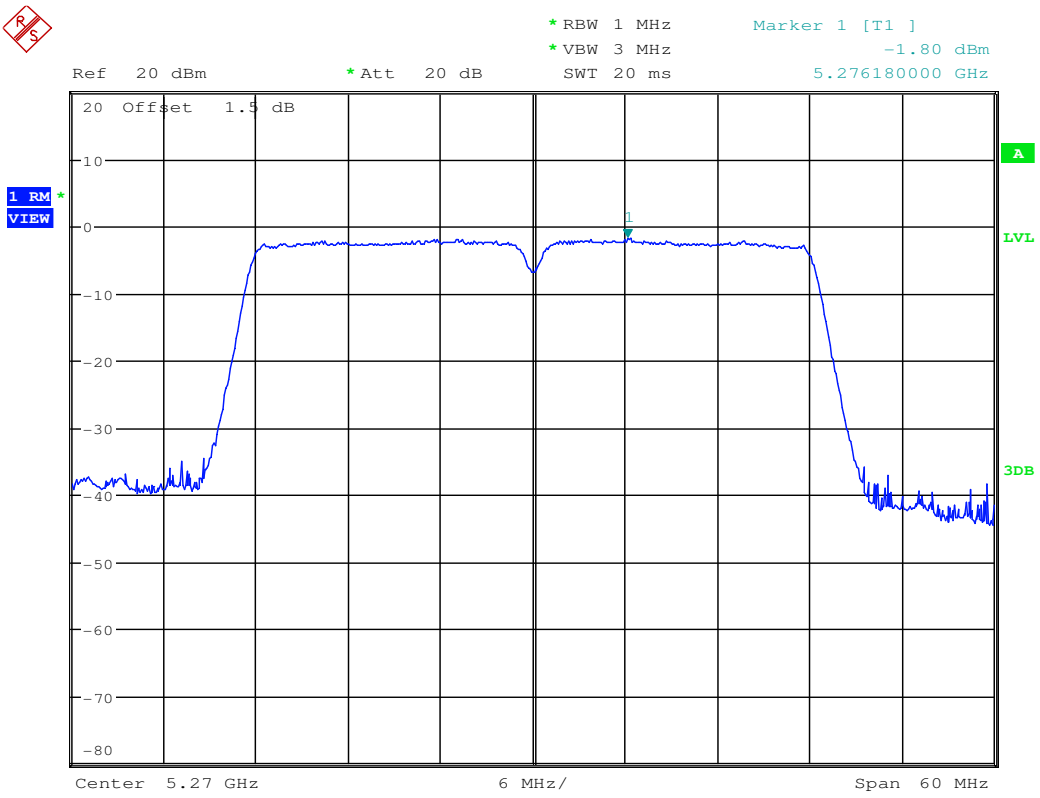

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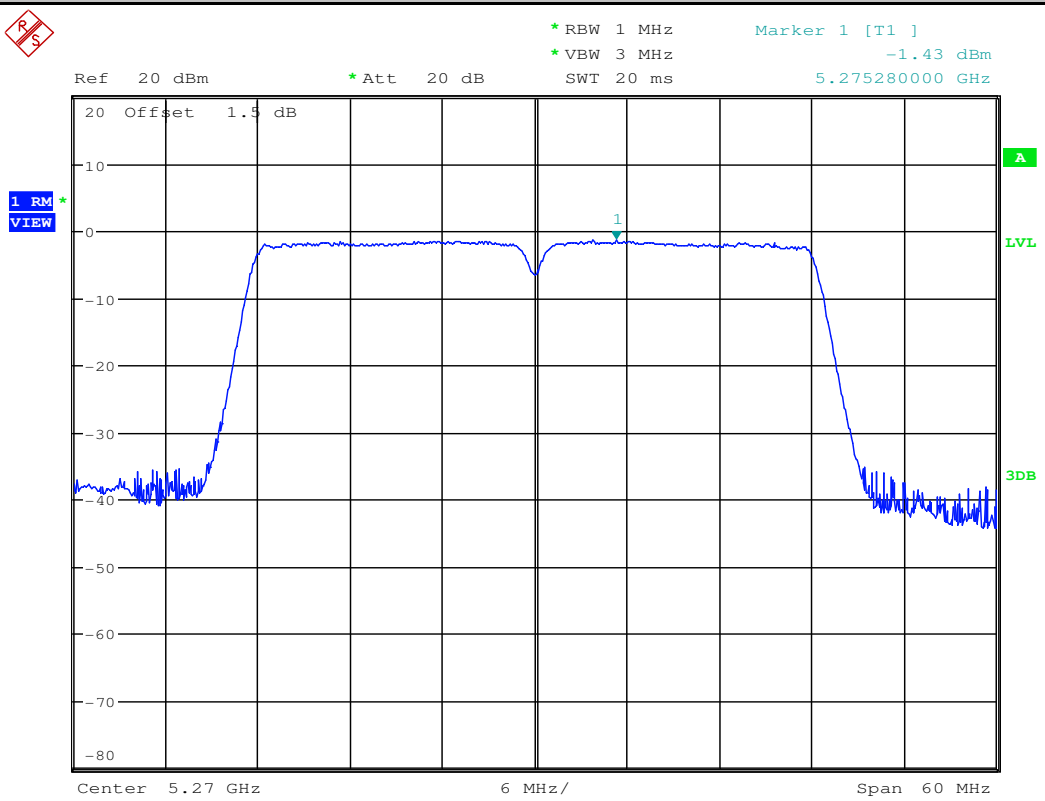

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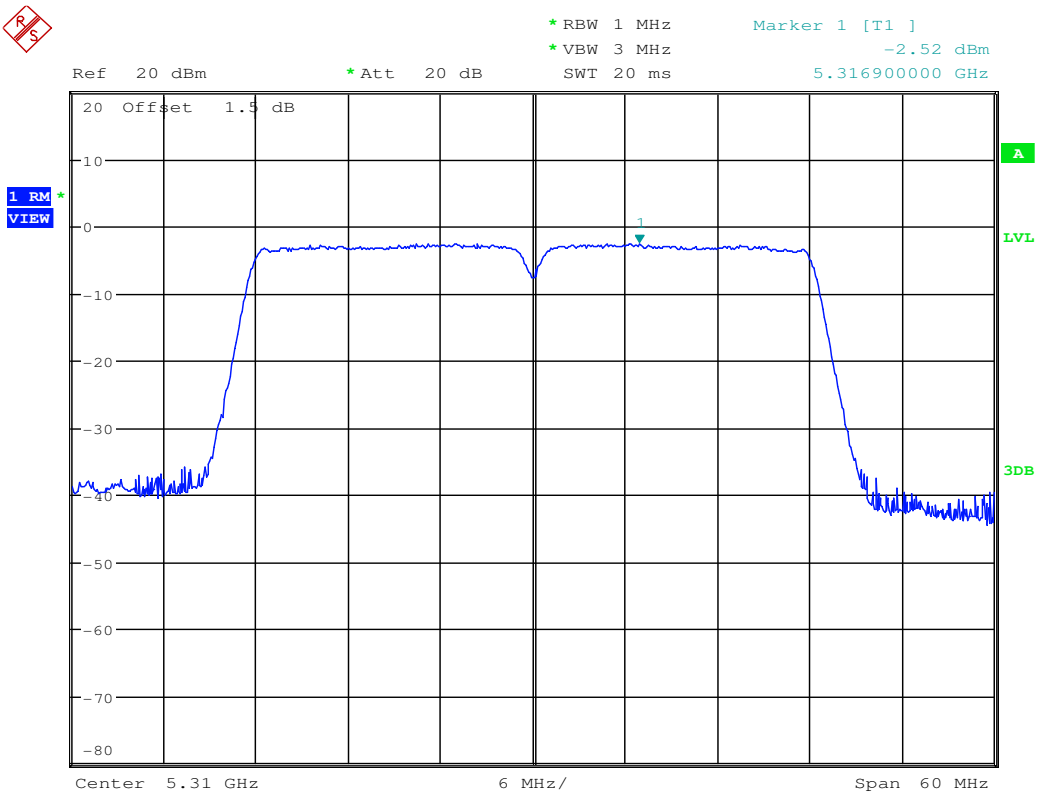

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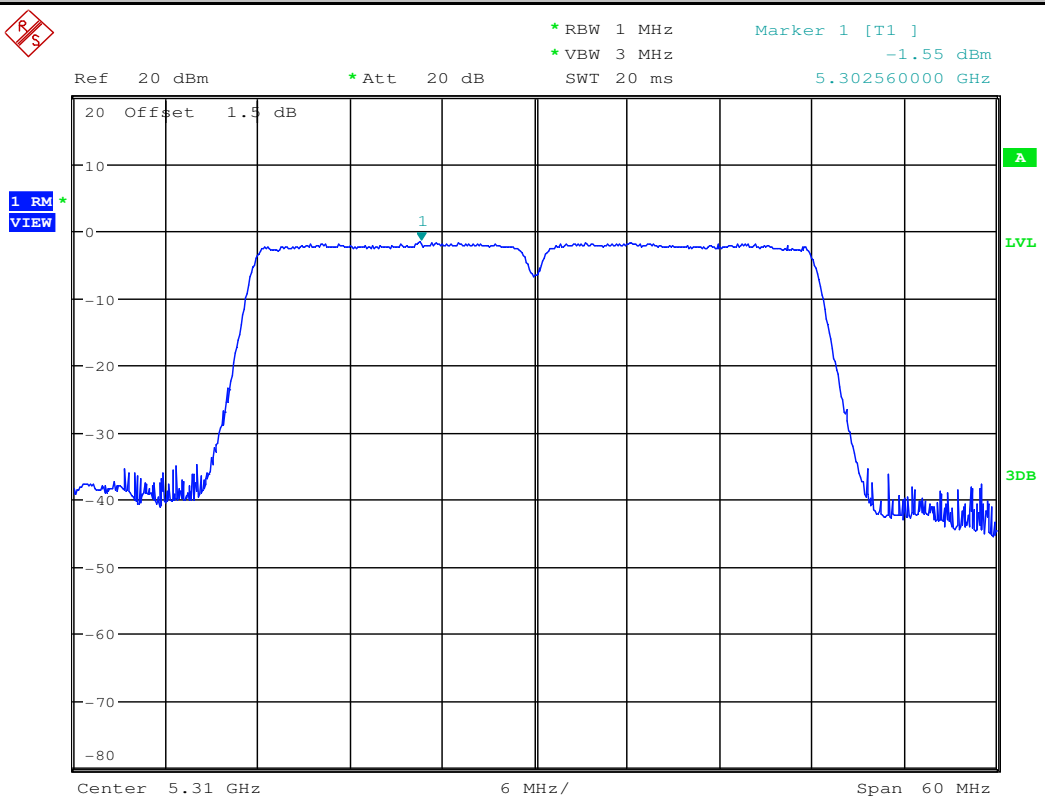

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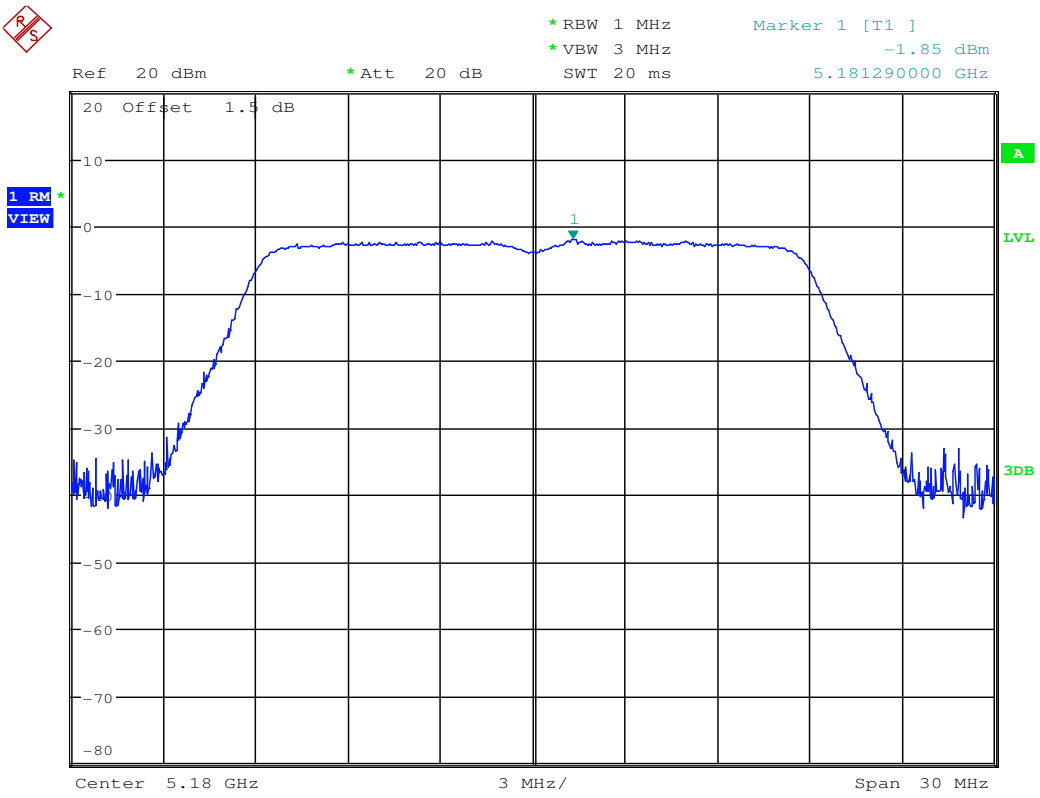

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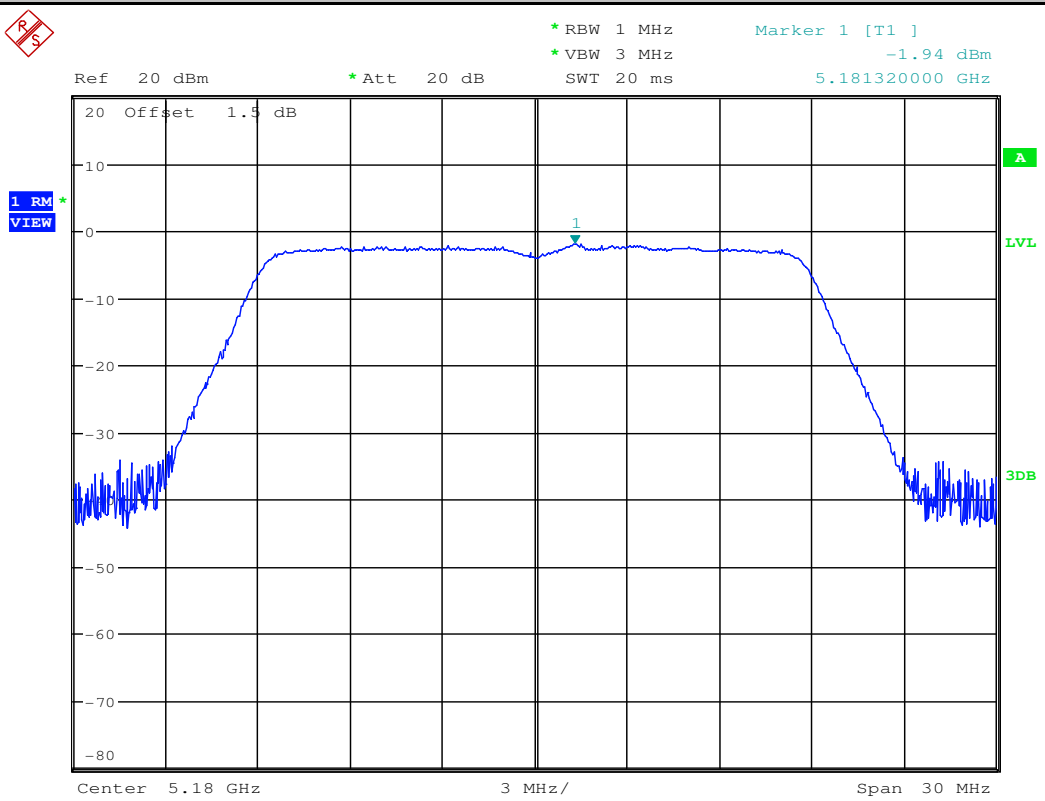

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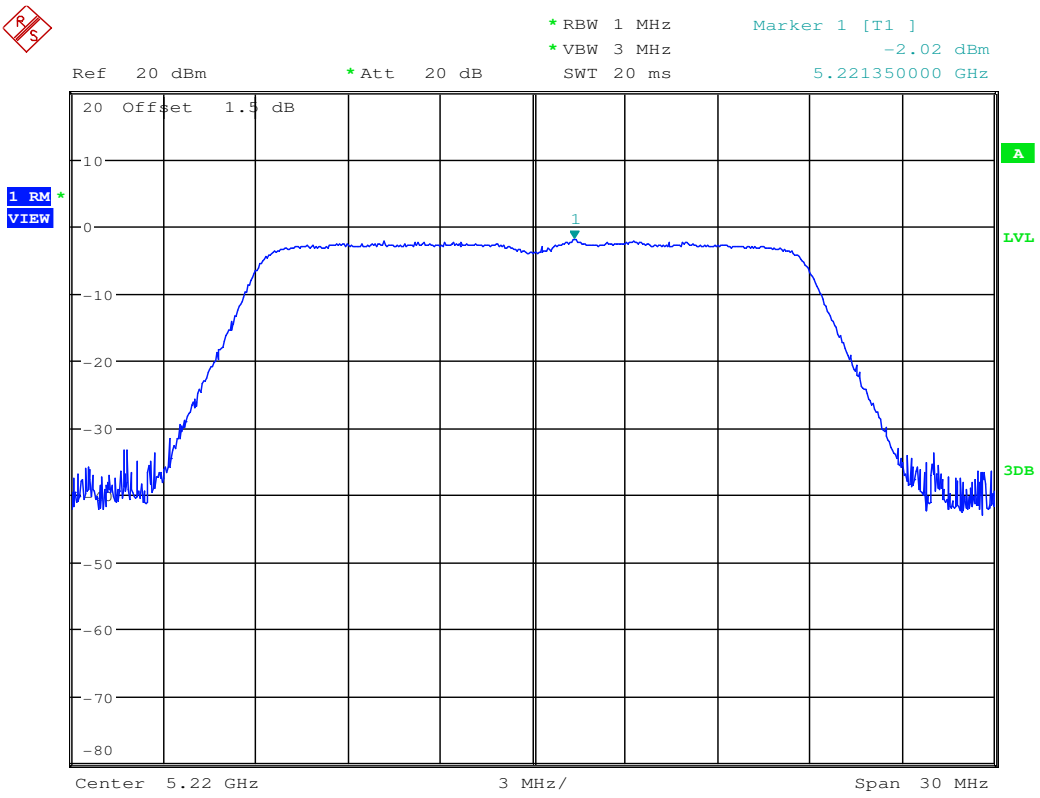

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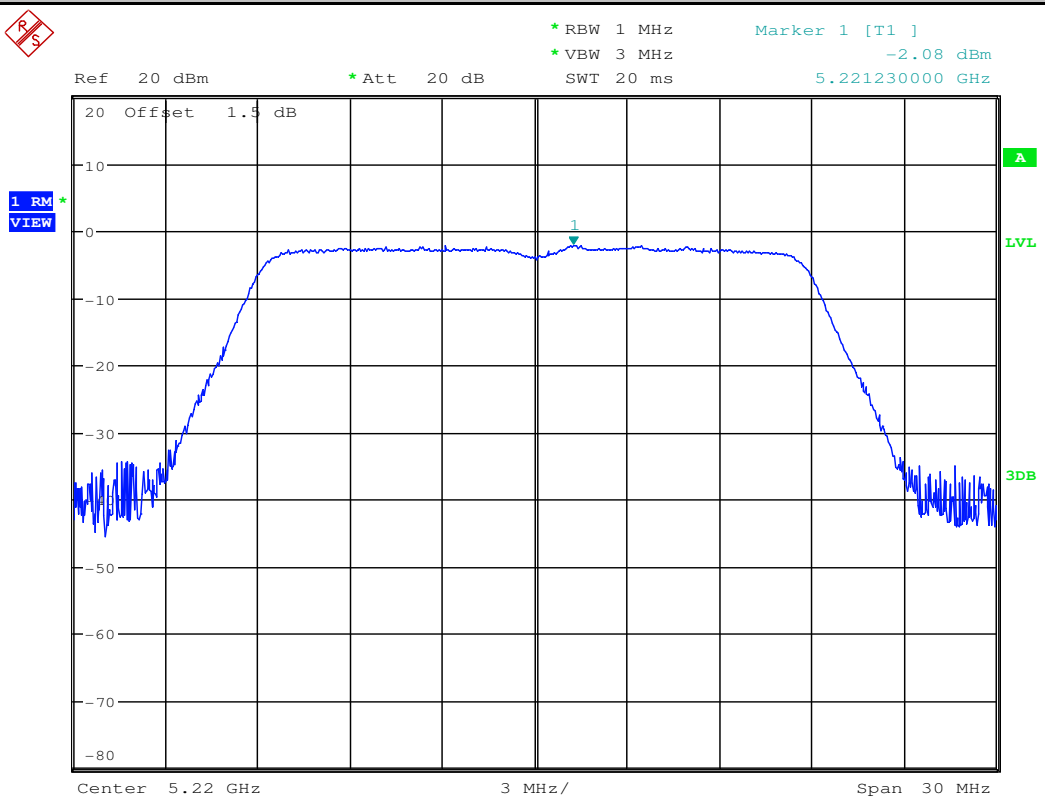

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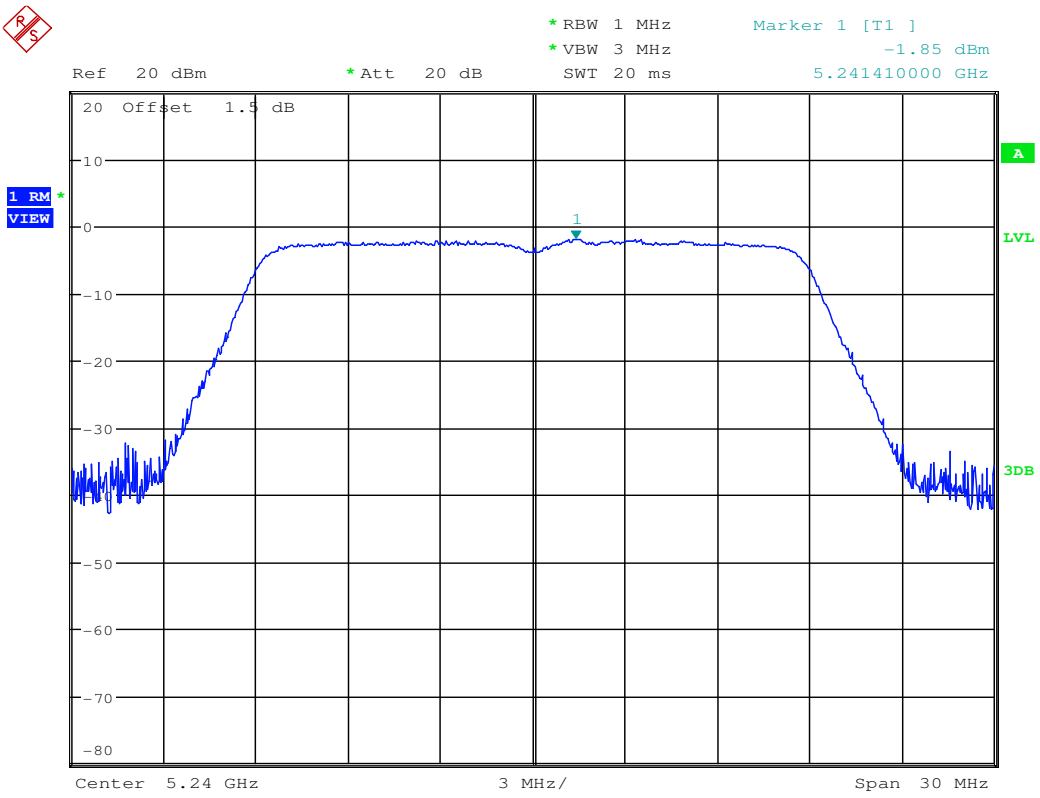
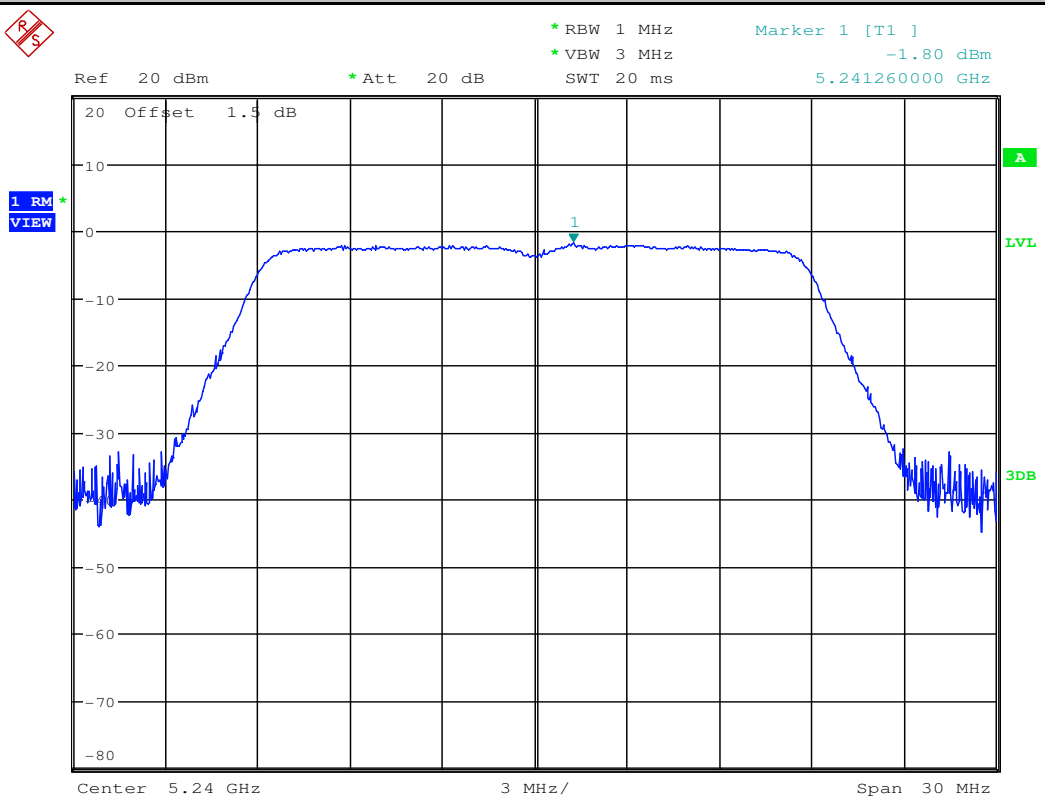


Maximum Power Spectral Density_TNVN_11AC20_5240_Ant2



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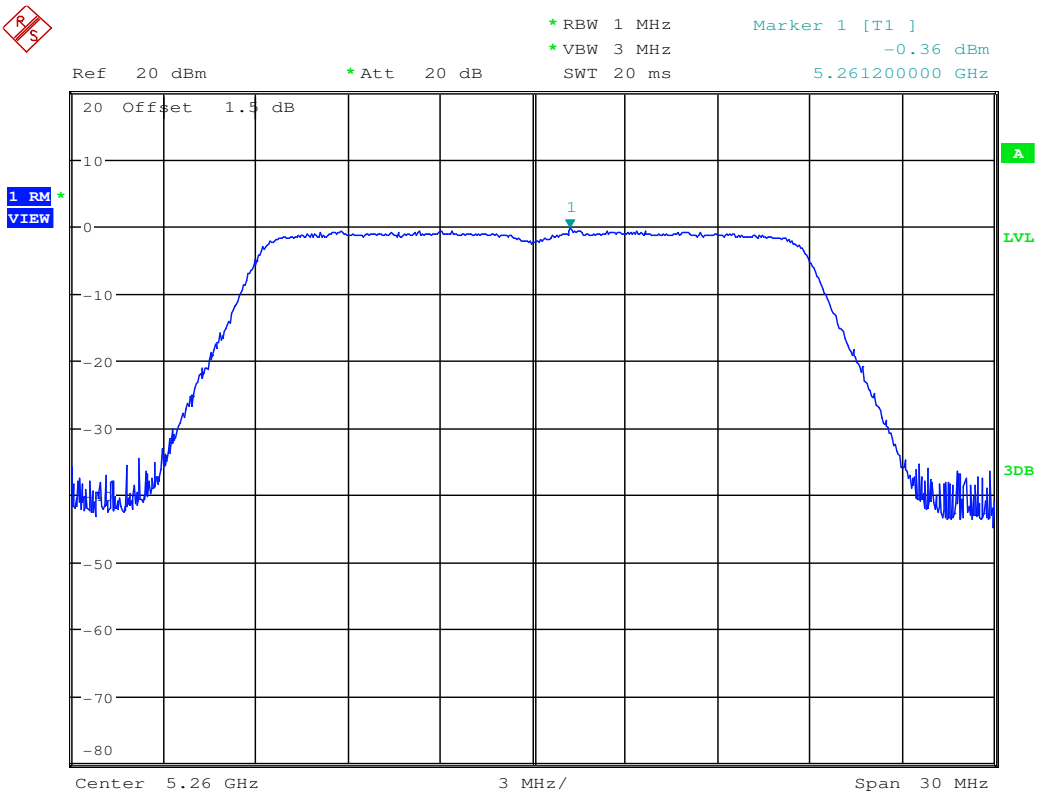

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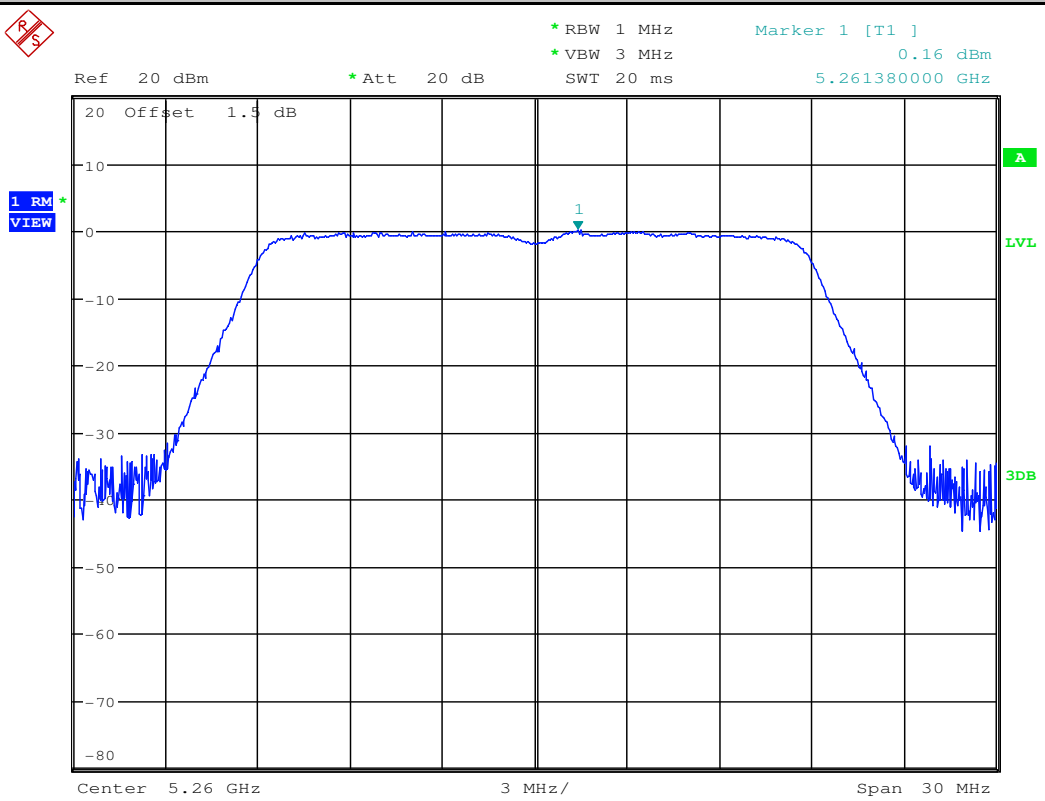

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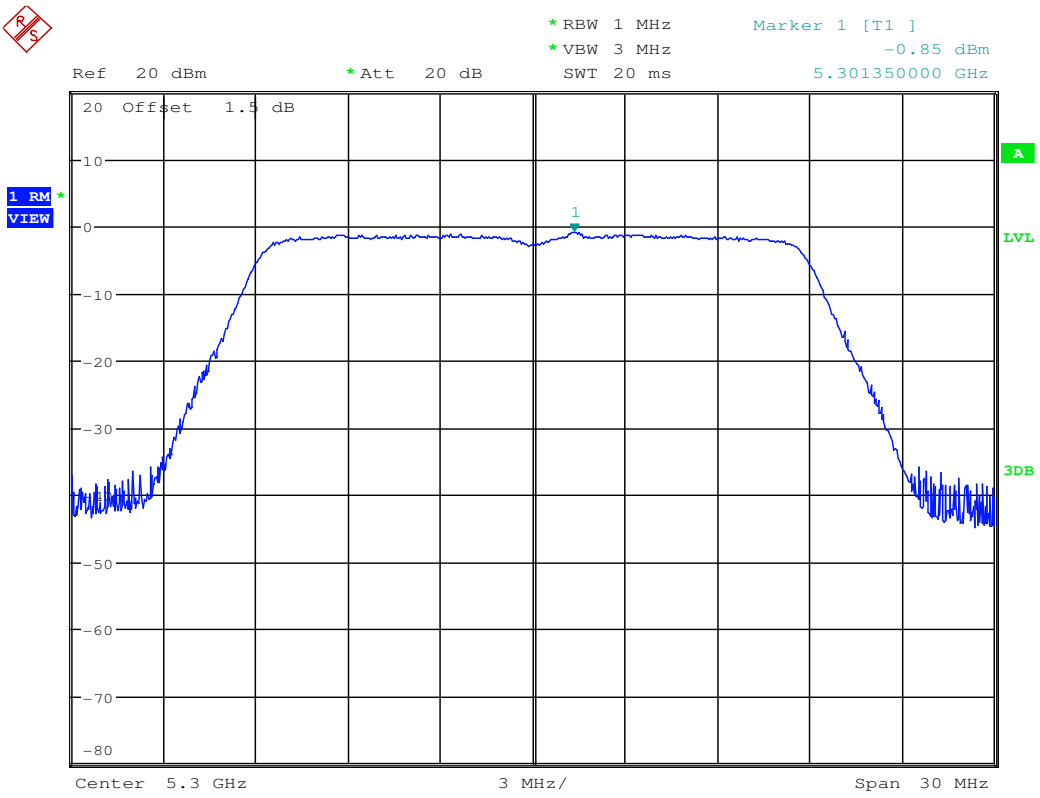

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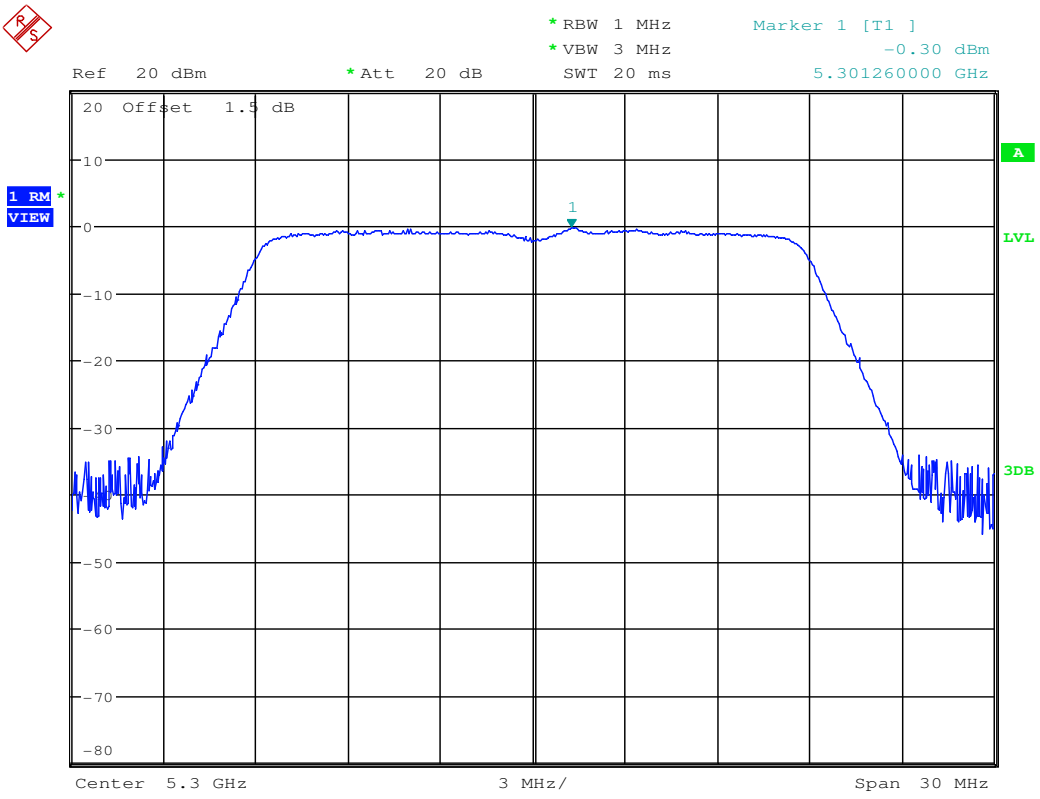

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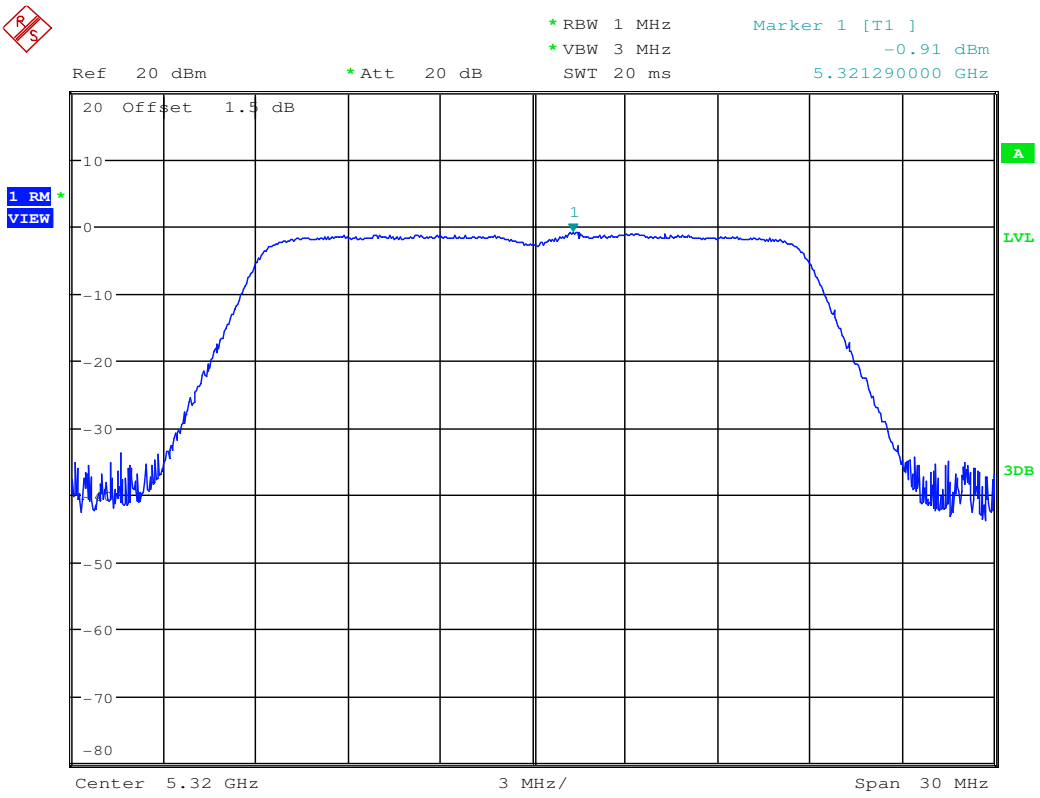

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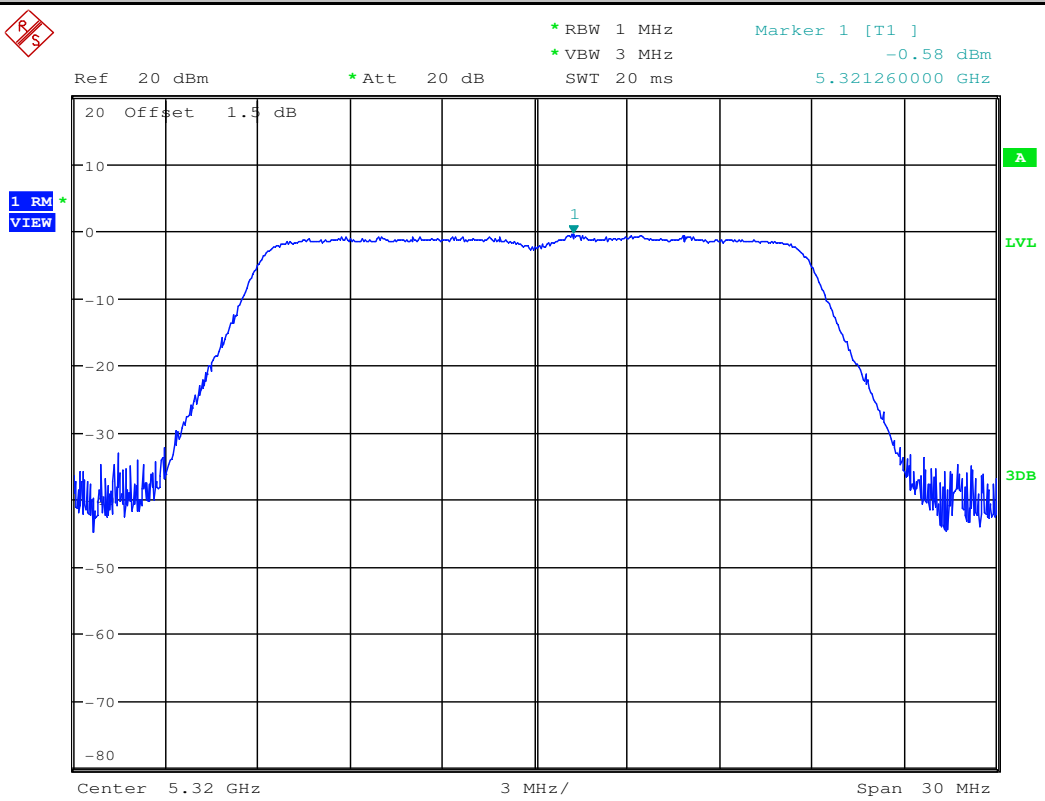

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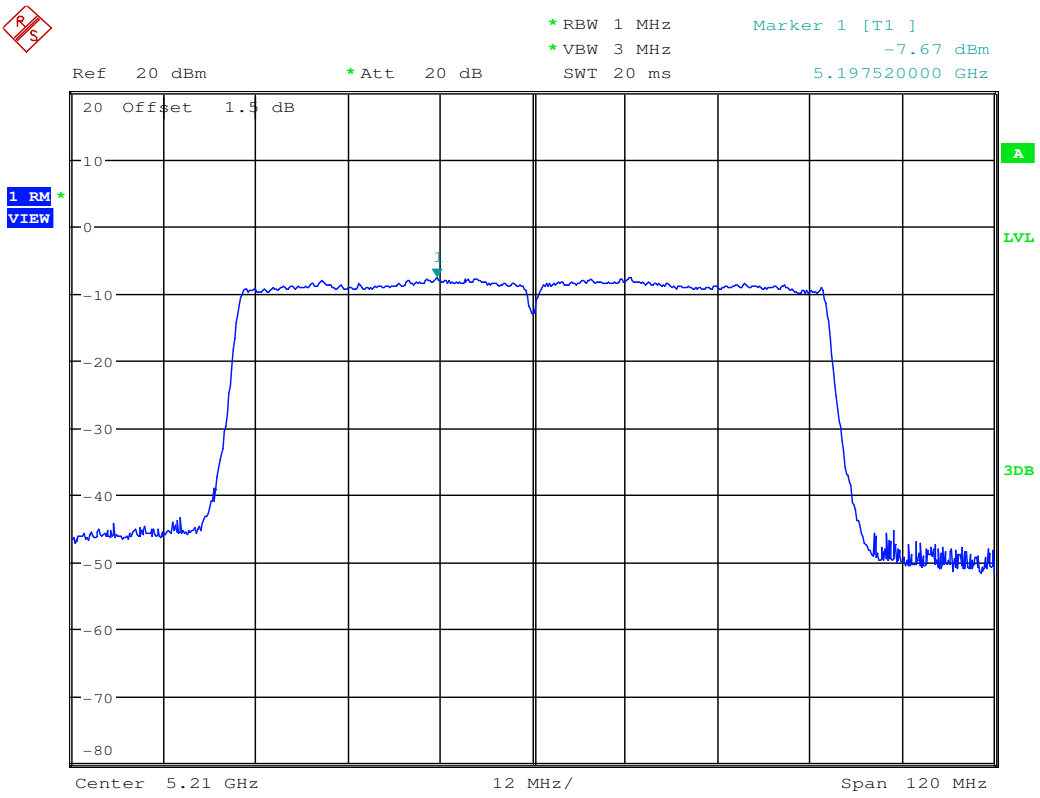
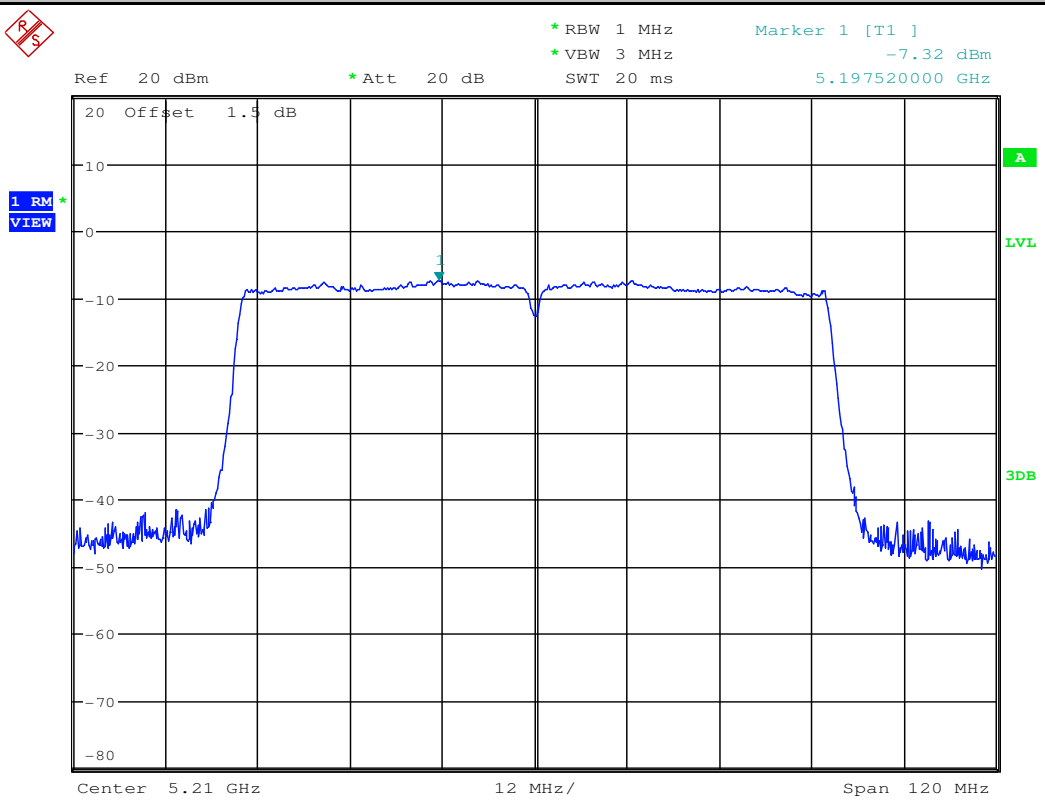
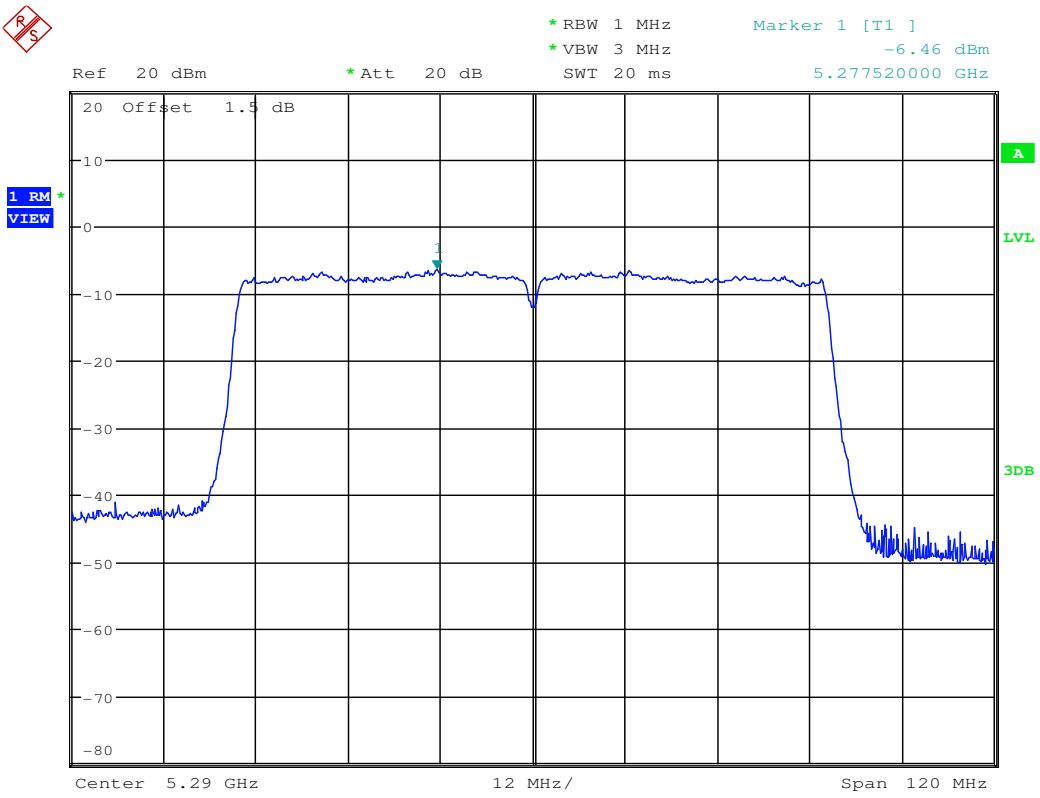


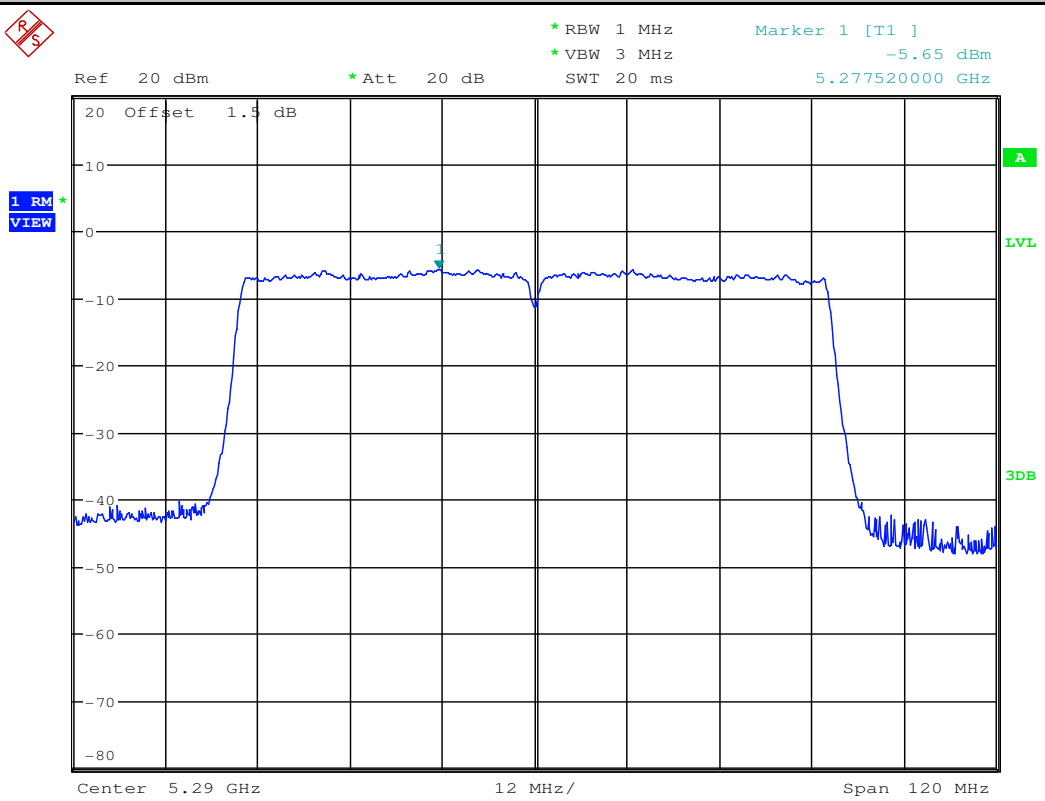
Maximum Power Spectral Density_TNVN_11AC80_5210_Ant2



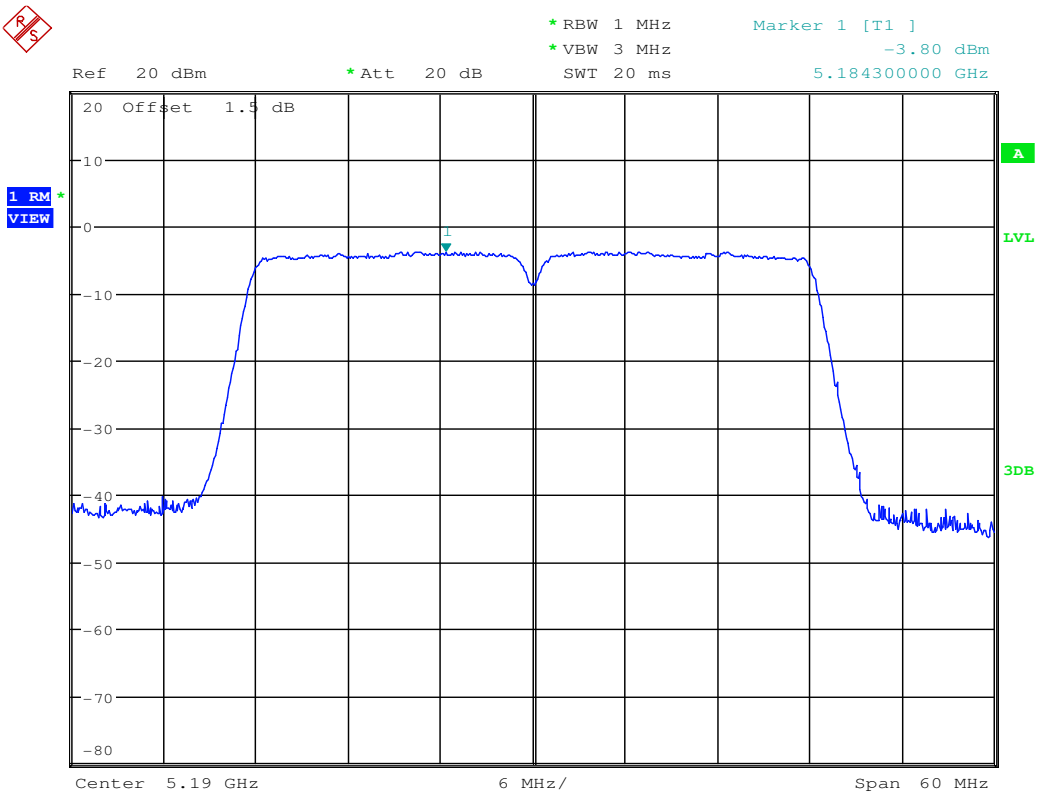
Maximum Power Spectral Density_TNVN_11AC80_5290_Ant1



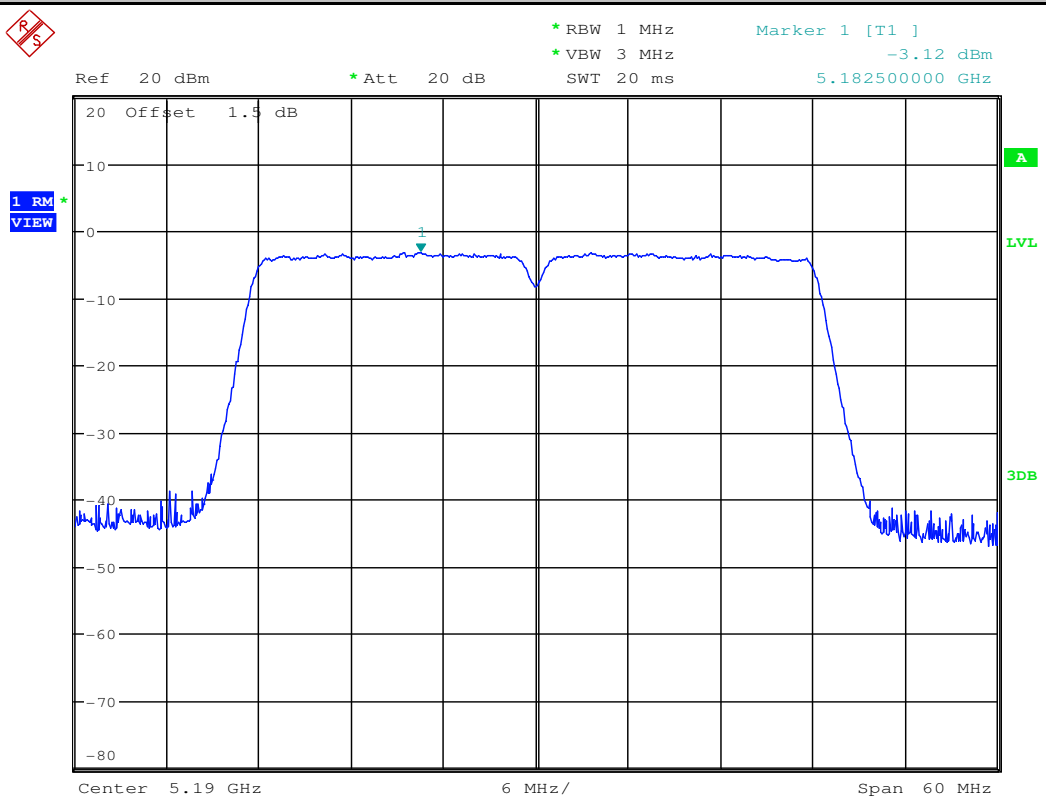
Maximum Power Spectral Density_TNVN_11AC80_5290_Ant2



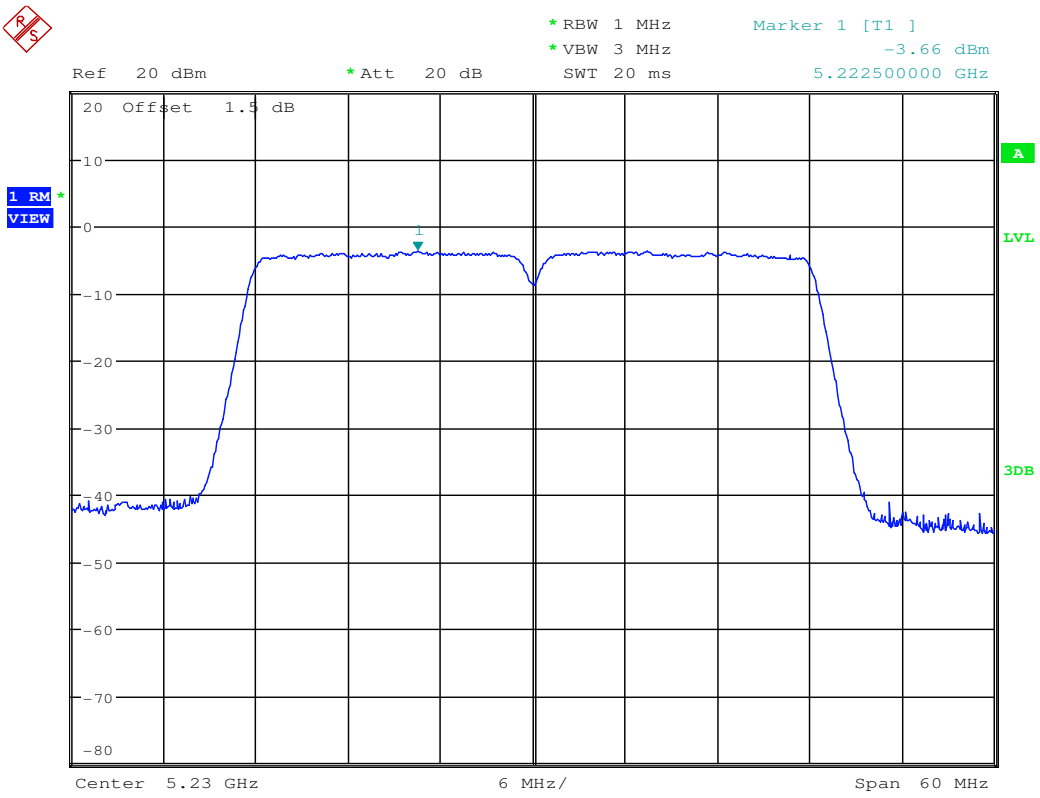
Maximum Power Spectral Density_TNVN_11AC40_5190_Ant1



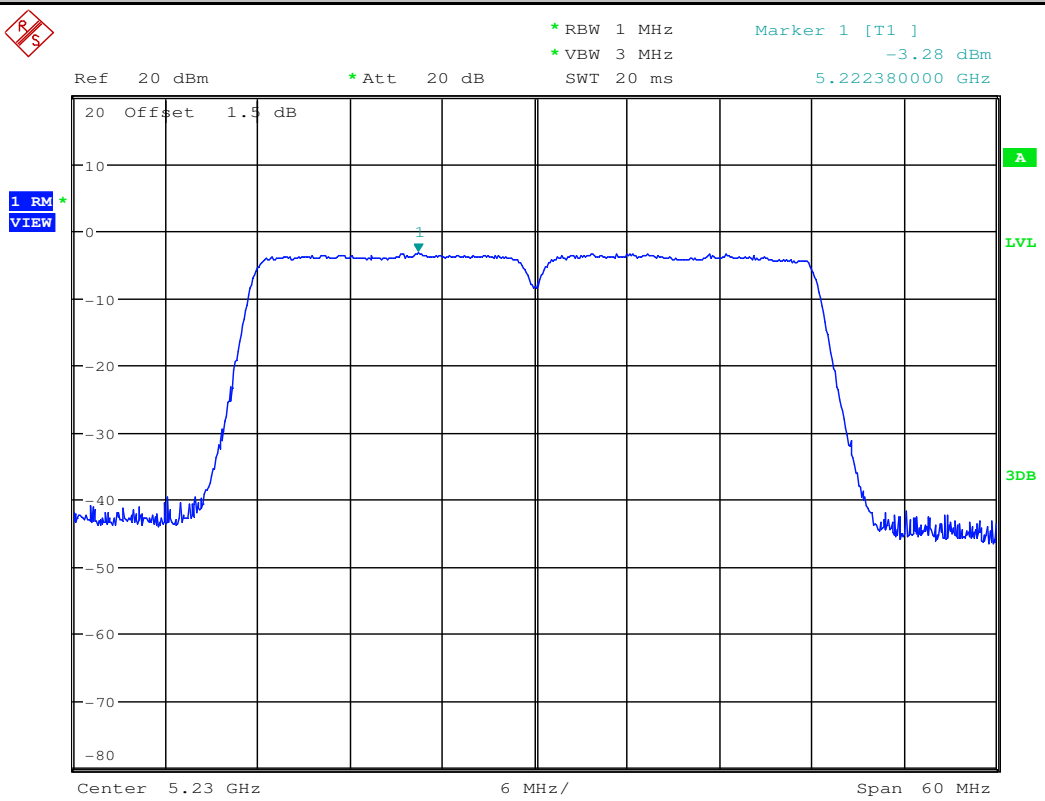
Maximum Power Spectral Density_TNVN_11AC40_5190_Ant2



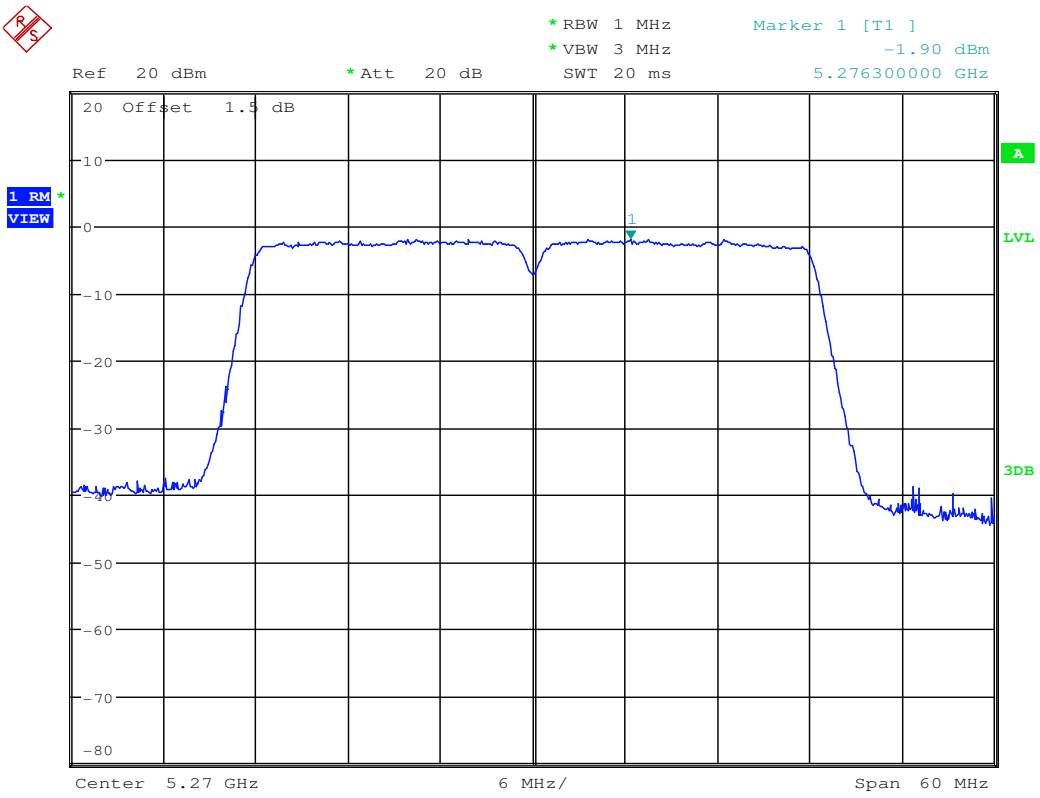
Maximum Power Spectral Density_TNVN_11AC40_5230_Ant1



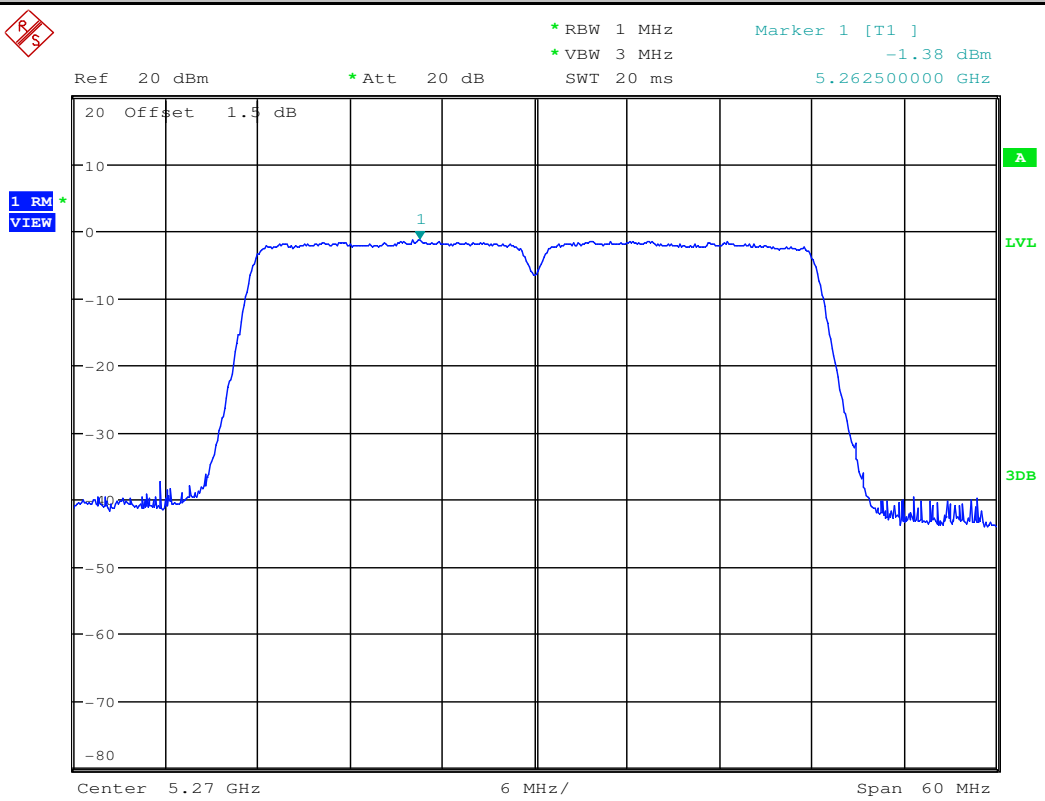
Maximum Power Spectral Density_TNVN_11AC40_5230_Ant2



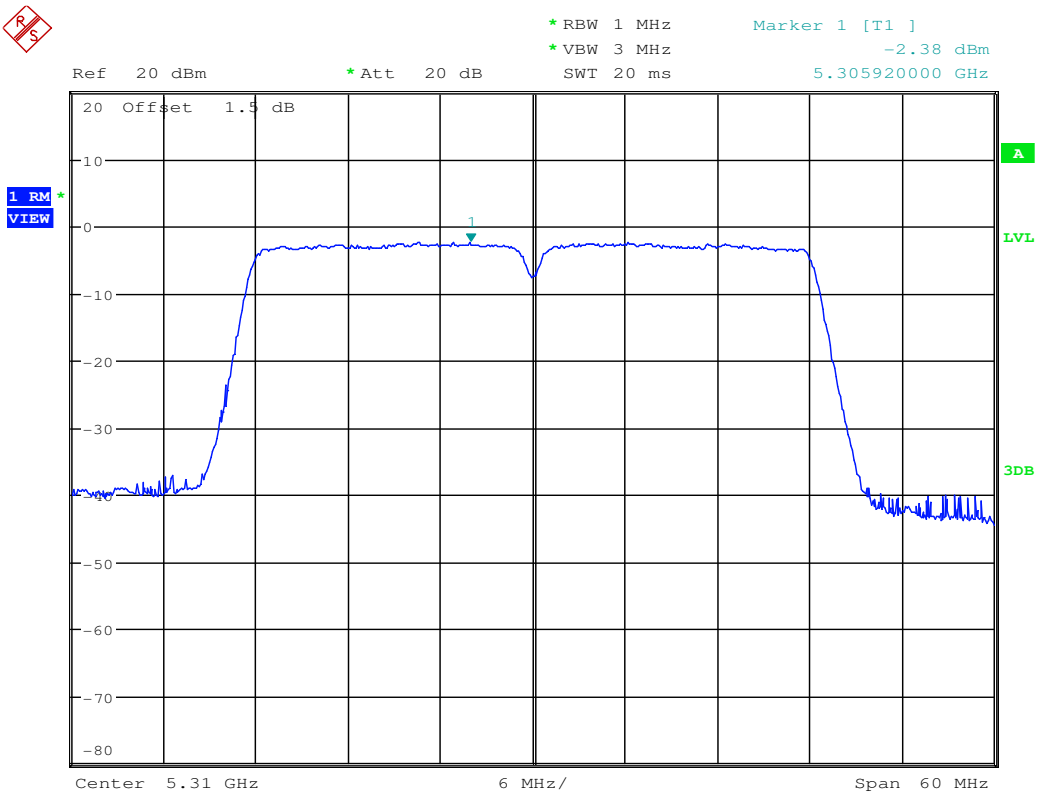
Maximum Power Spectral Density_TNVN_11AC40_5270_Ant1



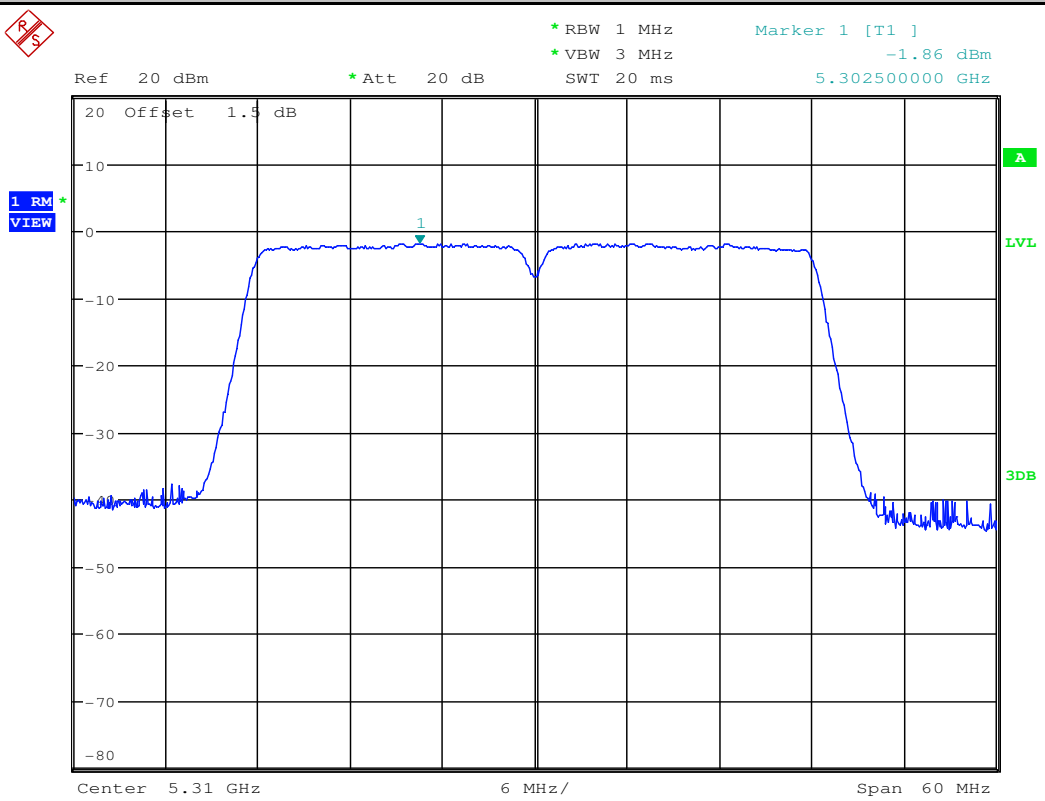
Maximum Power Spectral Density_TNVN_11AC40_5270_Ant2



Maximum Power Spectral Density_TNVN_11AC40_5310_Ant1



Maximum Power Spectral Density_TNVN_11AC40_5310_Ant2

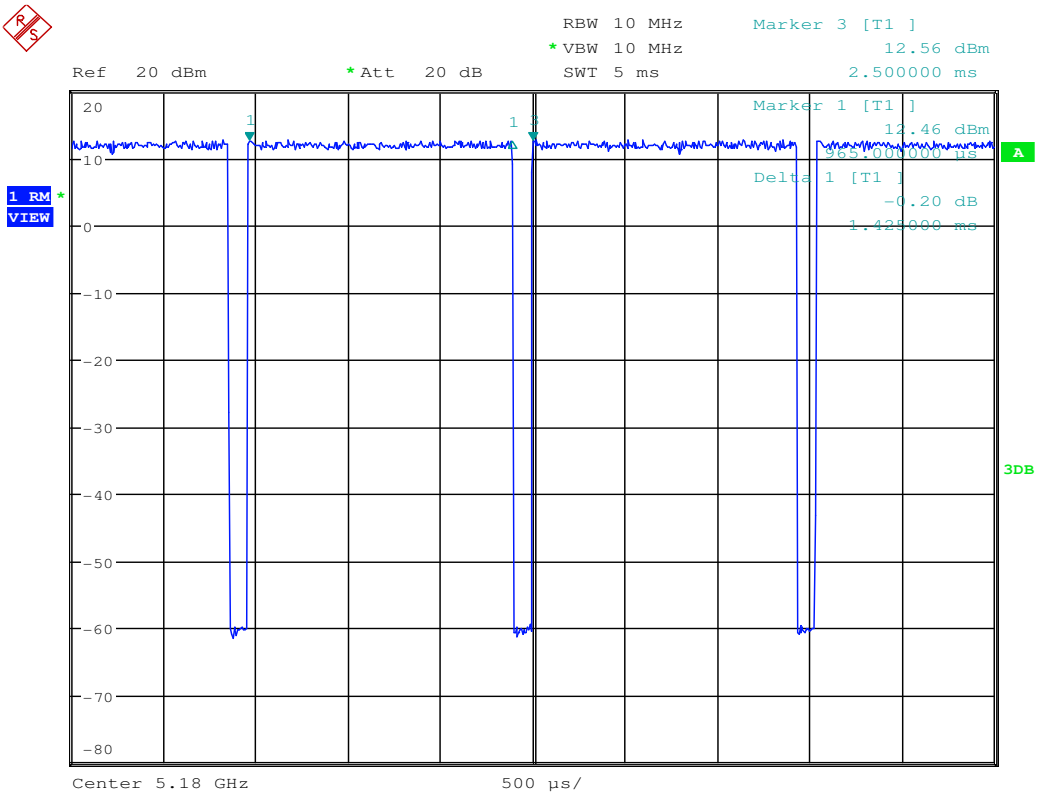


5.Duty Cycle (x)

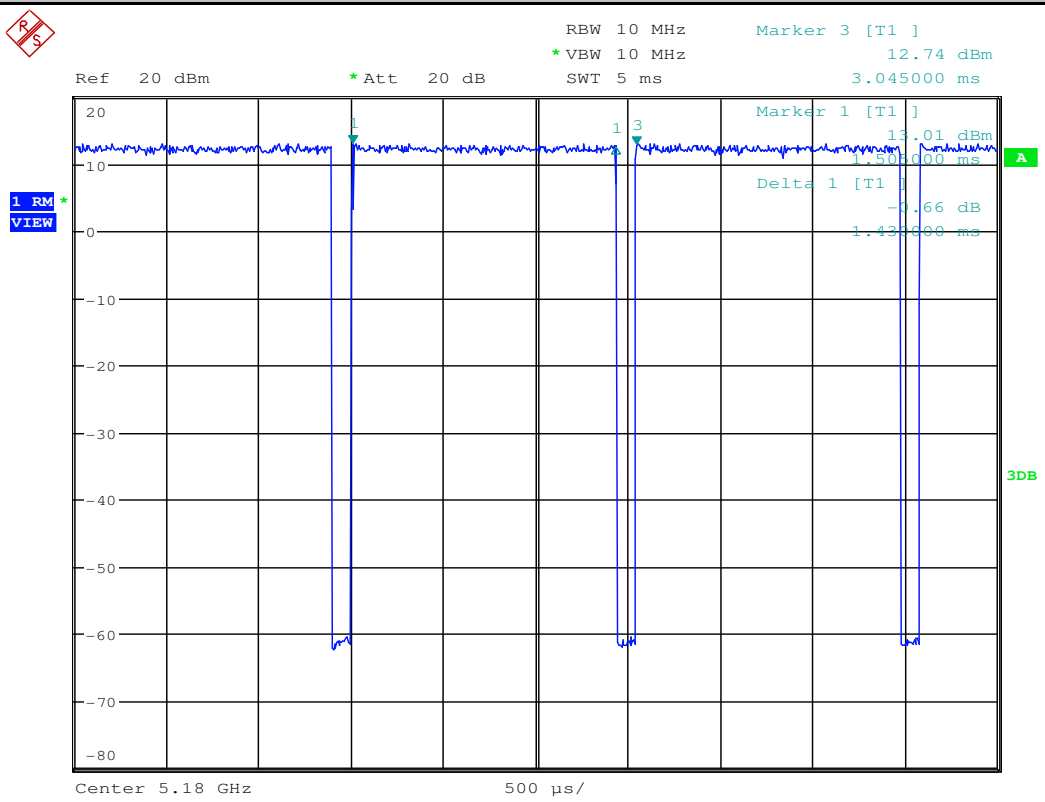
Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11A	5180	Ant1	92.83	0.32
11A	5180	Ant2	92.86	0.32
11A	5220	Ant1	92.53	0.34
11A	5220	Ant2	92.53	0.34
11A	5240	Ant1	92.86	0.32
11A	5240	Ant2	92.86	0.32
11A	5260	Ant1	92.86	0.32
11A	5260	Ant2	92.53	0.34
11A	5300	Ant1	92.86	0.32
11A	5300	Ant2	92.83	0.32
11A	5320	Ant1	92.86	0.32
11A	5320	Ant2	92.53	0.34
11N20	5180	Ant1	92.39	0.34
11N20	5180	Ant2	92.39	0.34
11N20	5220	Ant1	92.39	0.34
11N20	5220	Ant2	92.39	0.34
11N20	5240	Ant1	92.39	0.34
11N20	5240	Ant2	92.39	0.34
11N20	5260	Ant1	92.39	0.34
11N20	5260	Ant2	92.04	0.36
11N20	5300	Ant1	92.39	0.34
11N20	5300	Ant2	92.39	0.34
11N20	5320	Ant1	92.39	0.34
11N20	5320	Ant2	92.39	0.34
11N40	5190	Ant1	86.27	0.64
11N40	5190	Ant2	85.94	0.66
11N40	5230	Ant1	85.94	0.66
11N40	5230	Ant2	85.88	0.66
11N40	5270	Ant1	85.88	0.66
11N40	5270	Ant2	86.27	0.64
11N40	5310	Ant1	86.27	0.64

11N40	5310	Ant2	85.94	0.66
11AC20	5180	Ant1	92.41	0.34
11AC20	5180	Ant2	92.41	0.34
11AC20	5220	Ant1	92.41	0.34
11AC20	5220	Ant2	92.41	0.34
11AC20	5240	Ant1	92.1	0.36
11AC20	5240	Ant2	92.44	0.34
11AC20	5260	Ant1	92.44	0.34
11AC20	5260	Ant2	92.44	0.34
11AC20	5300	Ant1	92.1	0.36
11AC20	5300	Ant2	92.41	0.34
11AC20	5320	Ant1	92.44	0.34
11AC20	5320	Ant2	92.44	0.34
11AC80	5210	Ant1	76.04	1.19
11AC80	5210	Ant2	76.39	1.17
11AC80	5290	Ant1	75.46	1.22
11AC80	5290	Ant2	75.46	1.22
11AC40	5190	Ant1	86.33	0.64
11AC40	5190	Ant2	86.33	0.64
11AC40	5230	Ant1	85.99	0.66
11AC40	5230	Ant2	85.99	0.66
11AC40	5270	Ant1	85.99	0.66
11AC40	5270	Ant2	86.33	0.64
11AC40	5310	Ant1	85.99	0.66
11AC40	5310	Ant2	86.33	0.64

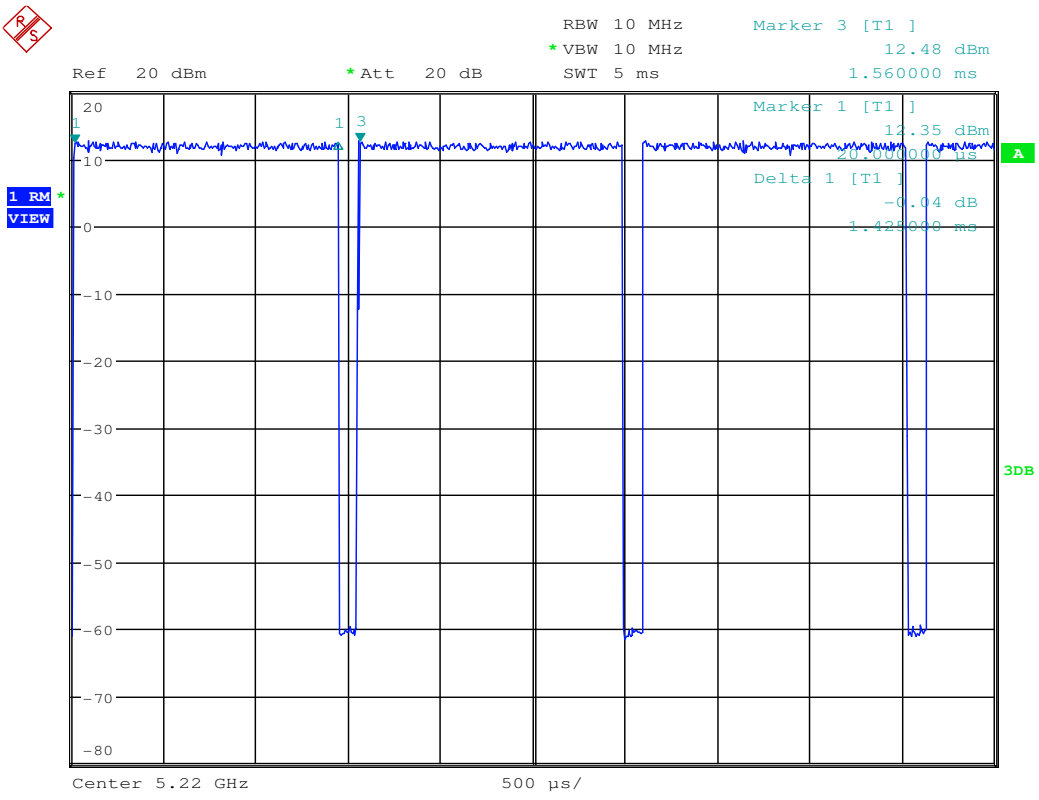
Duty Cycle_11A_5180_Ant1



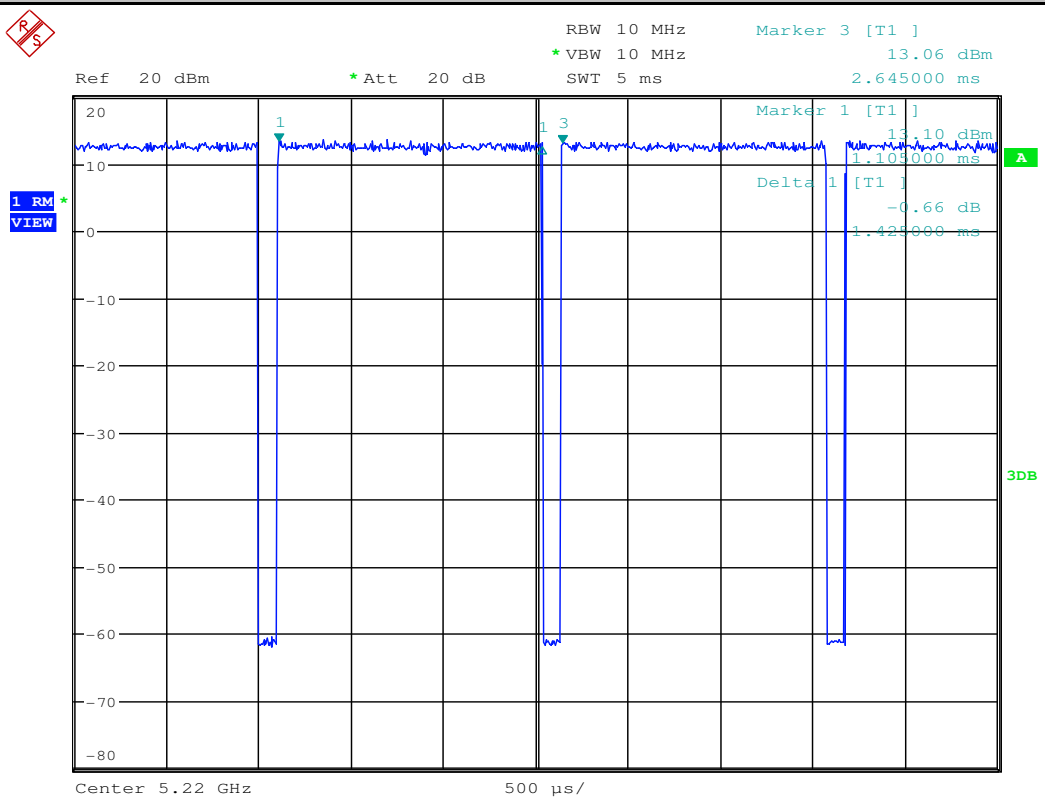
Duty Cycle_11A_5180_Ant2



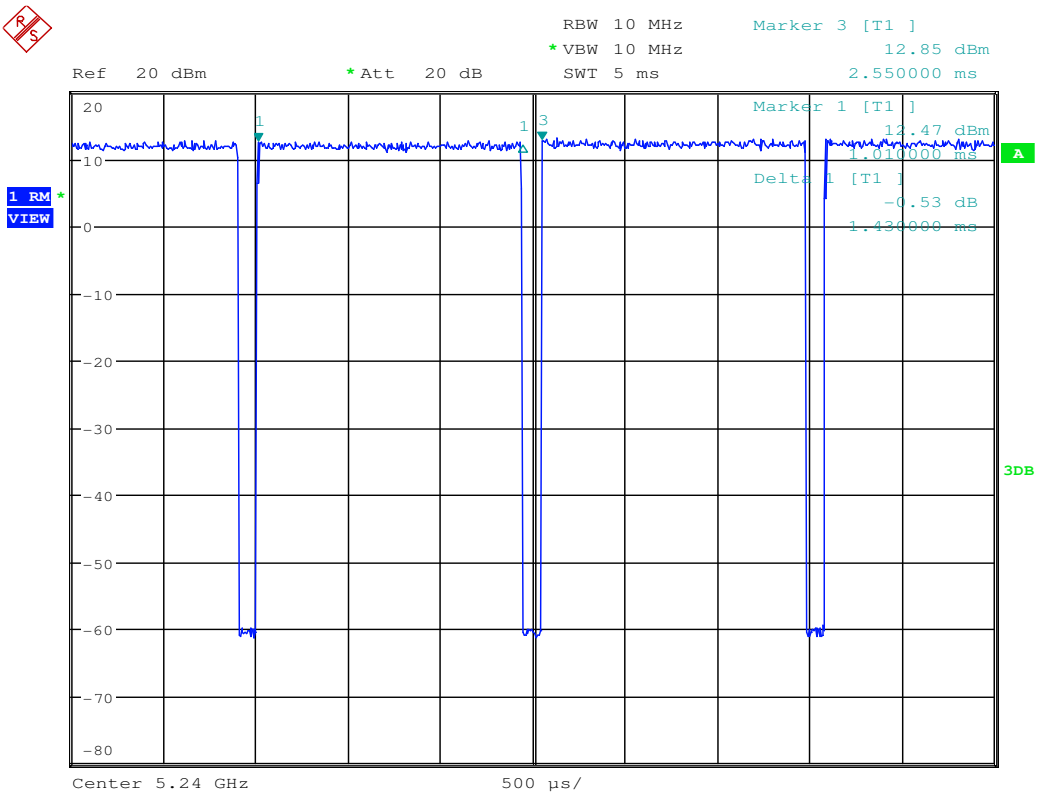
Duty Cycle_11A_5220_Ant1



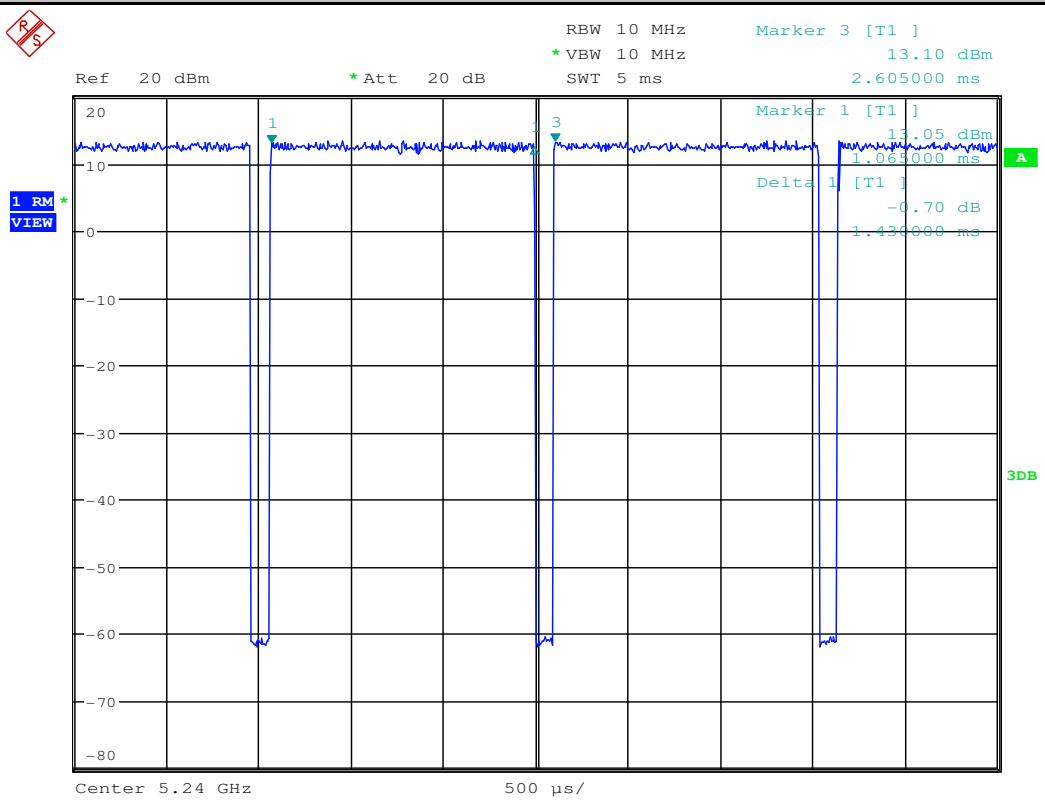
Duty Cycle_11A_5220_Ant2



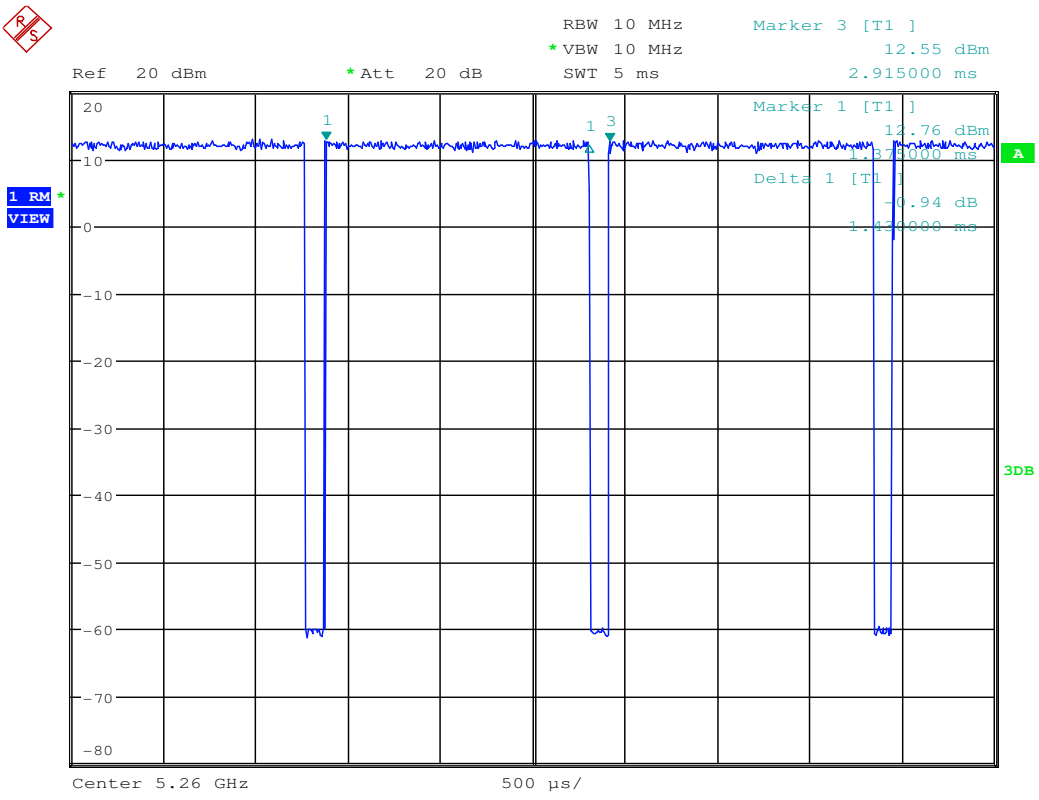
Duty Cycle_11A_5240_Ant1



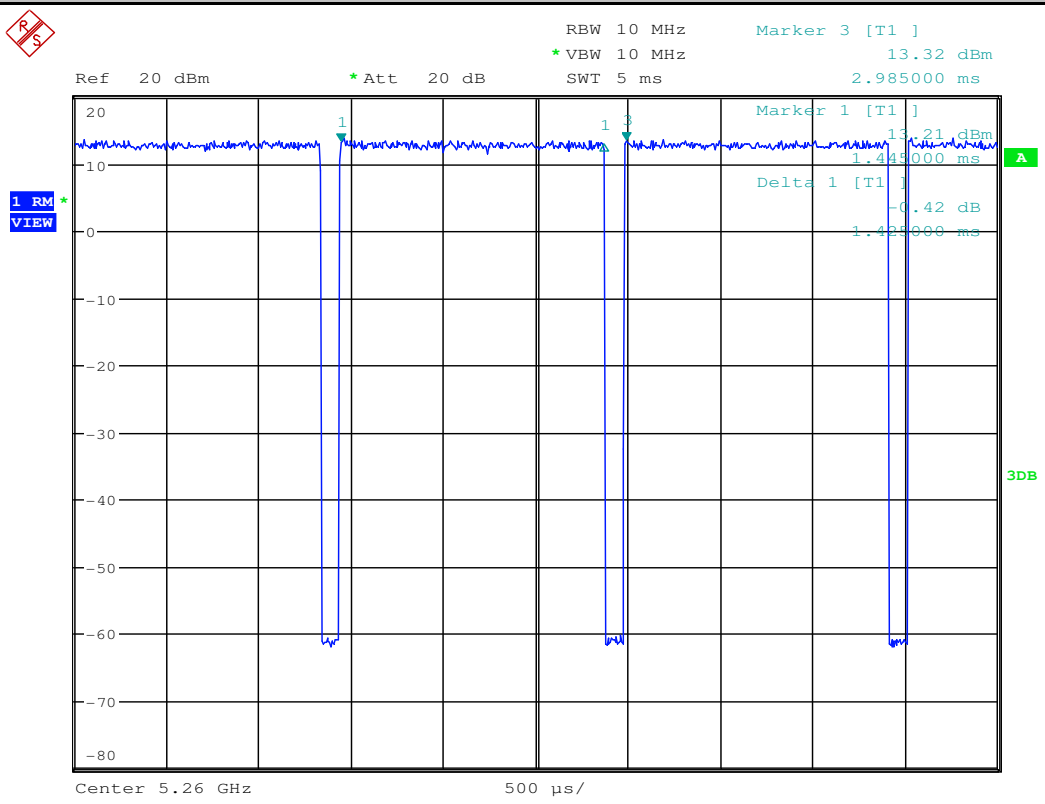
Duty Cycle_11A_5240_Ant2



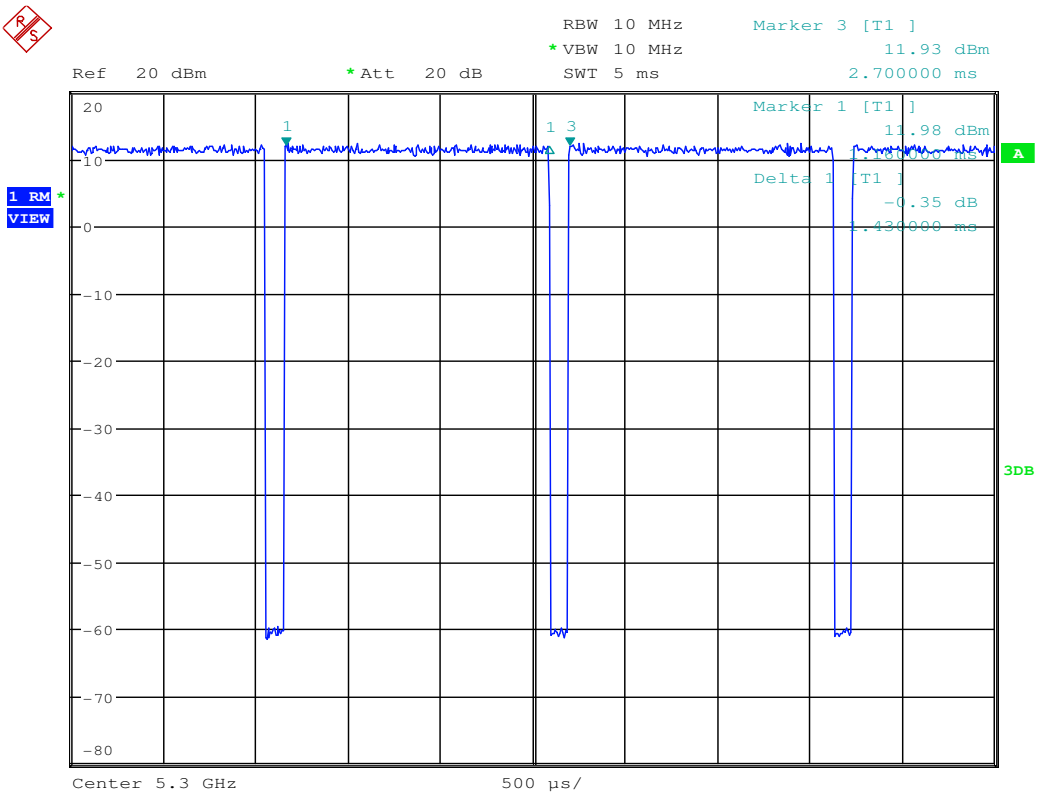
Duty Cycle_11A_5260_Ant1



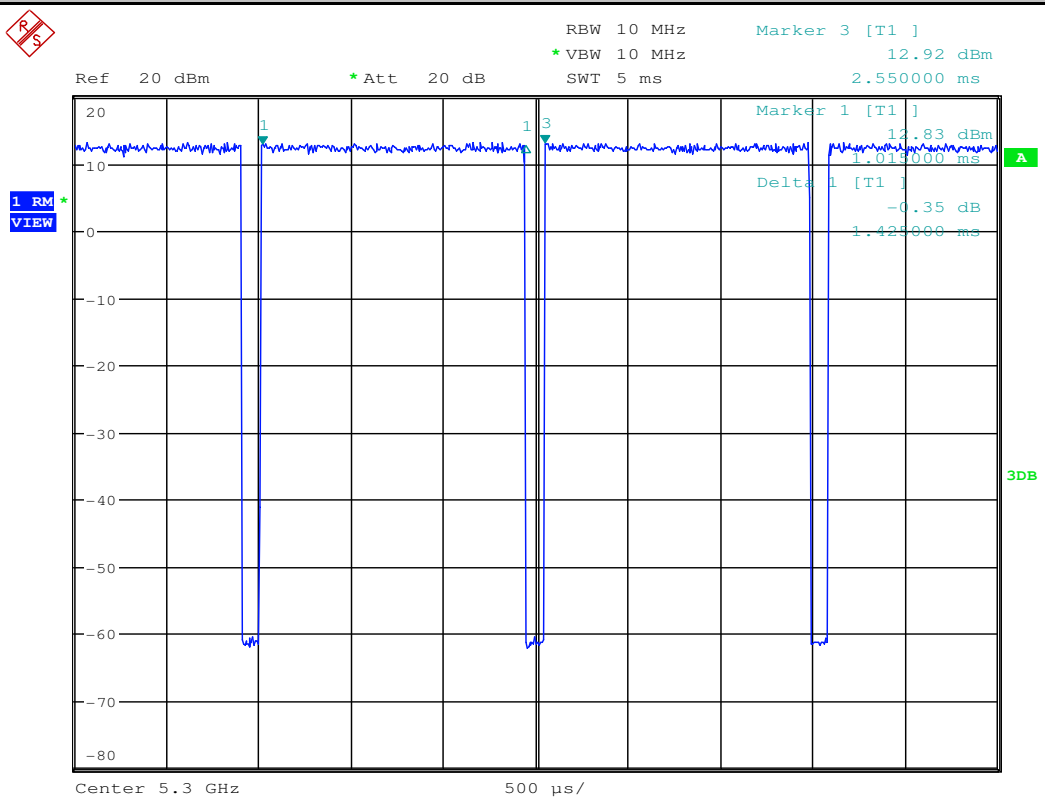
Duty Cycle_11A_5260_Ant2



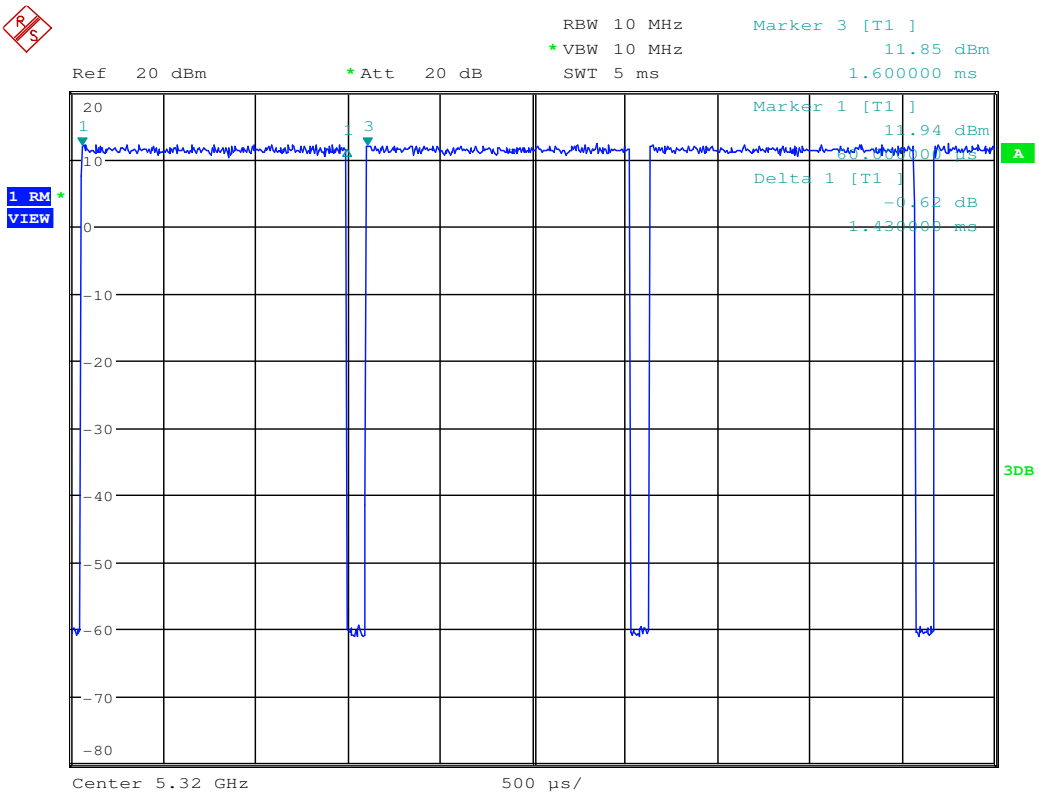
Duty Cycle_11A_5300_Ant1



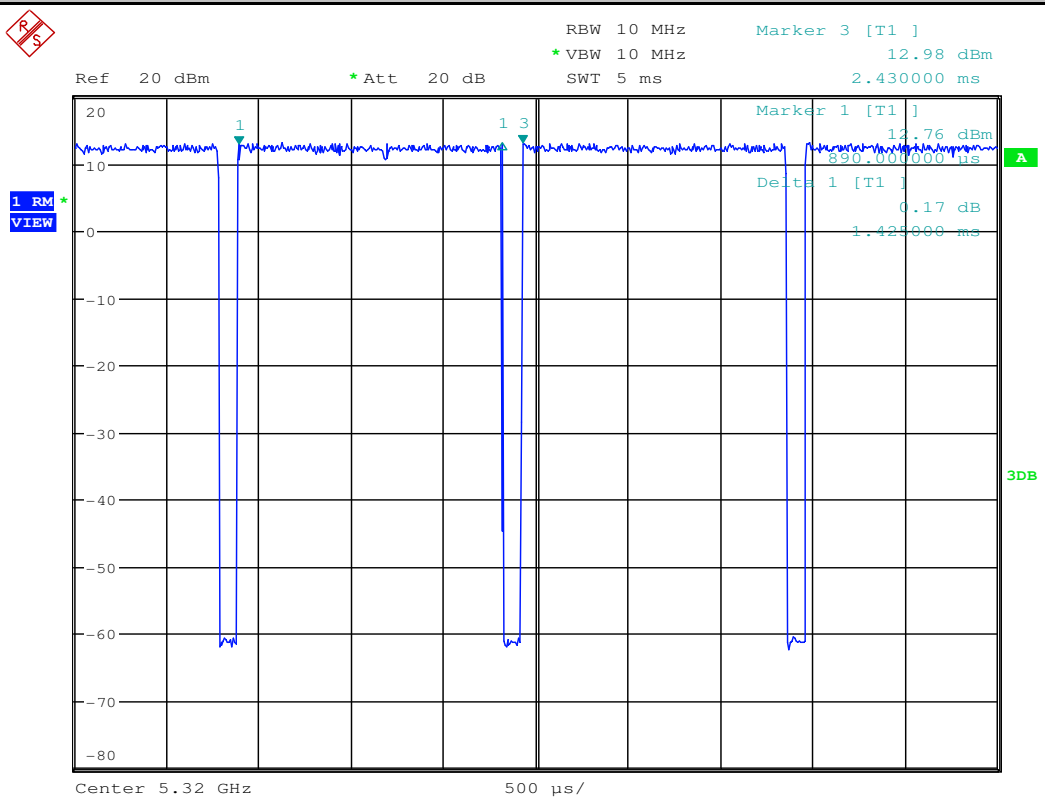
Duty Cycle_11A_5300_Ant2



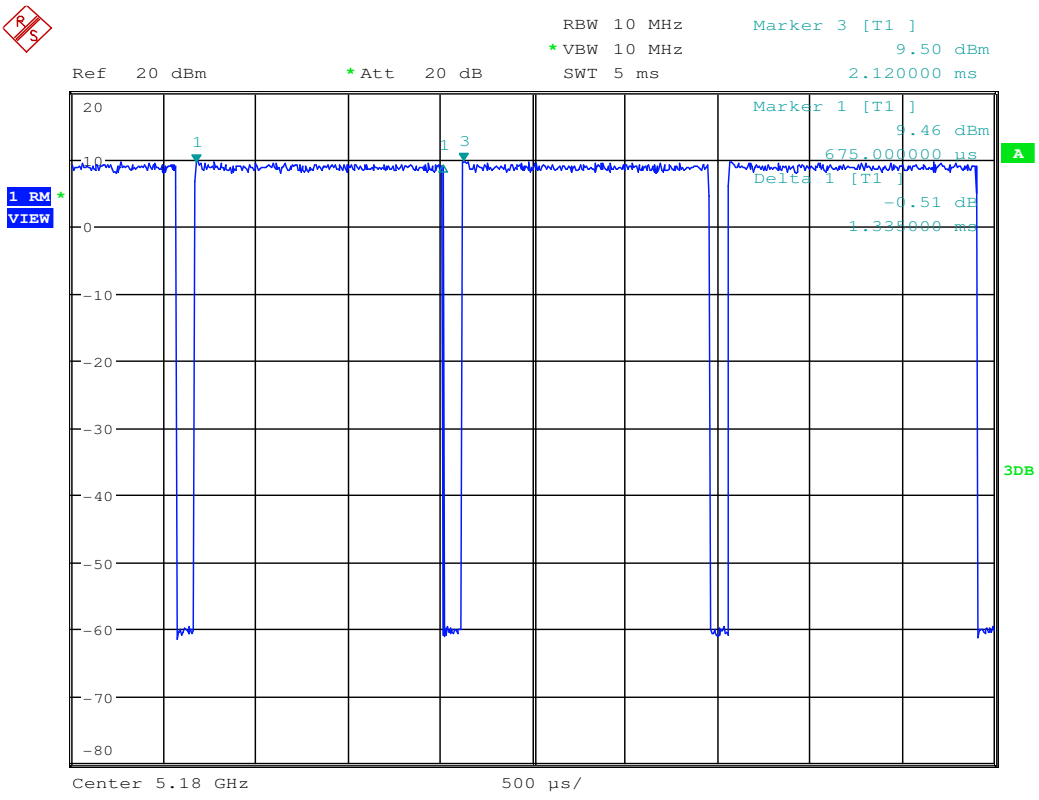
Duty Cycle_11A_5320_Ant1



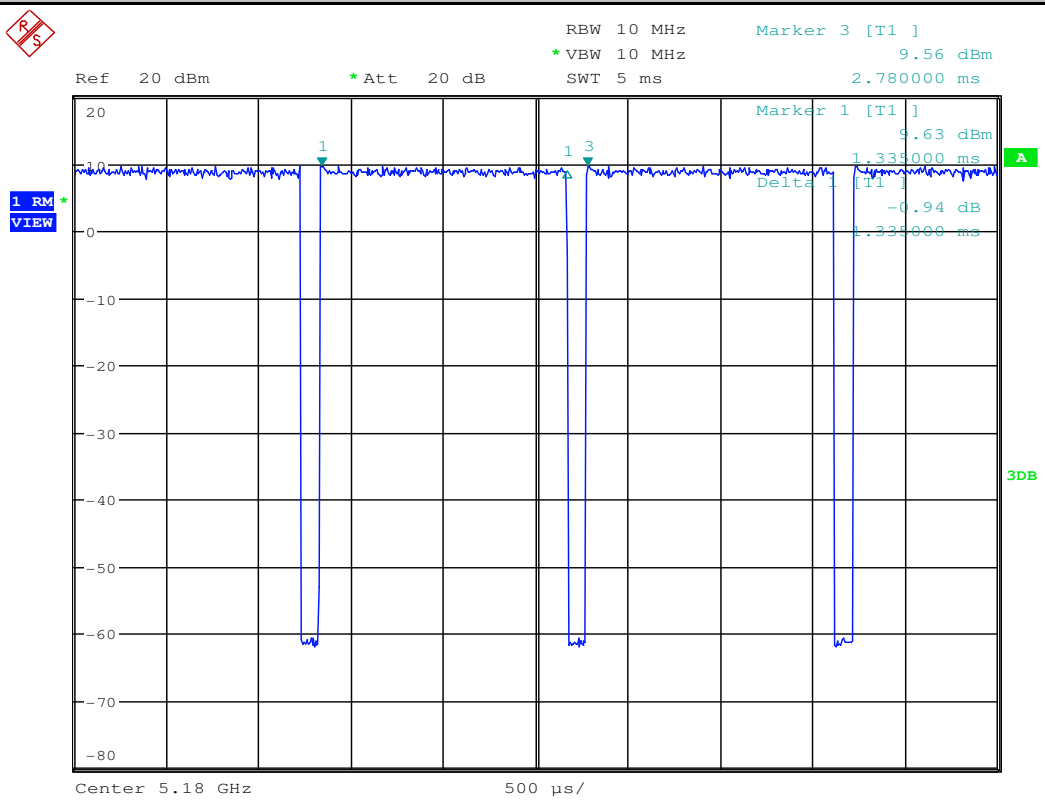
Duty Cycle_11A_5320_Ant2



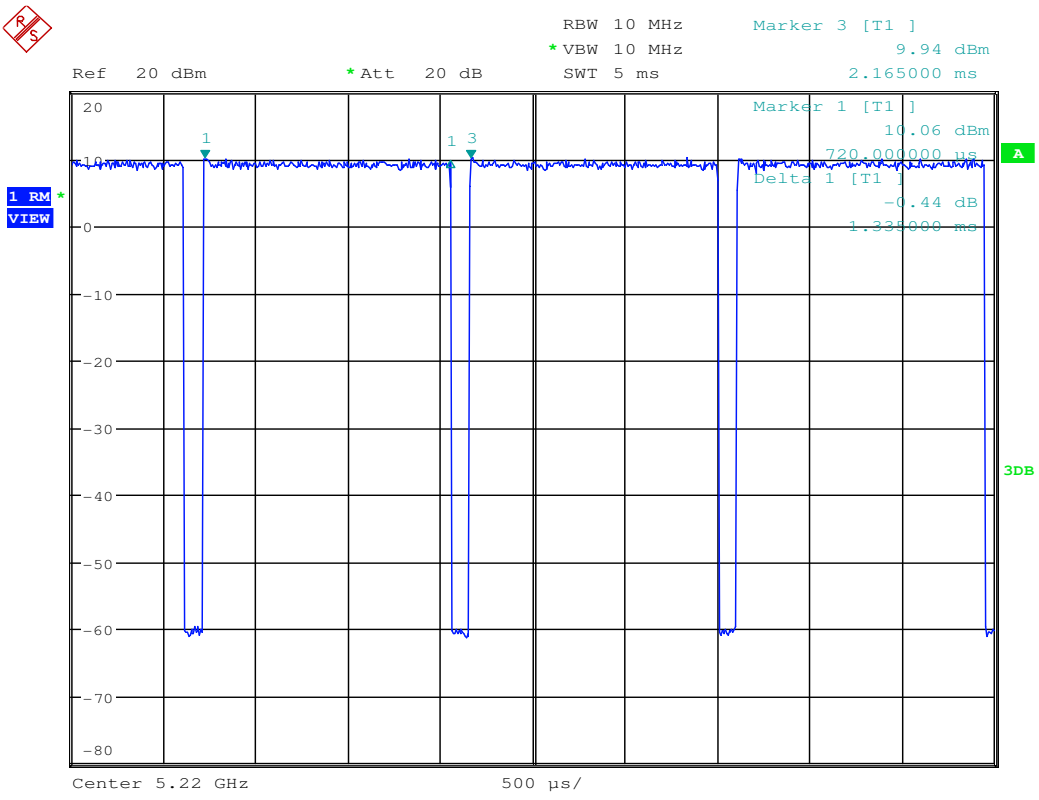
Duty Cycle_11N20_5180_Ant1



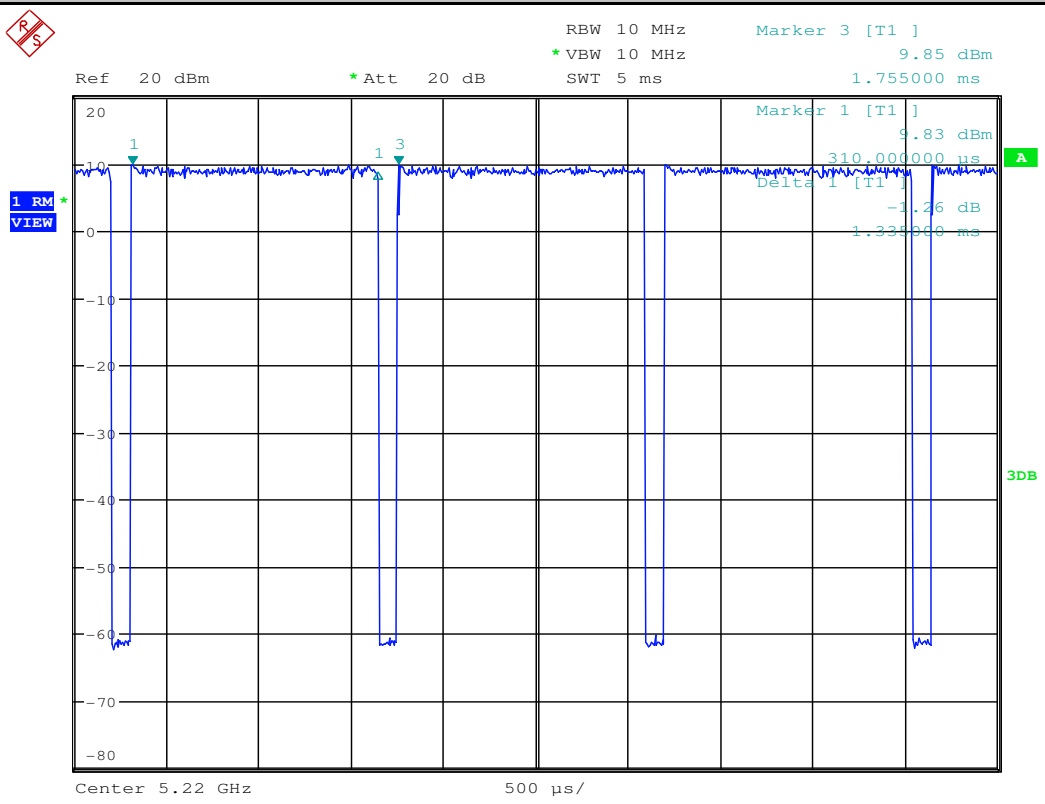
Duty Cycle_11N20_5180_Ant2



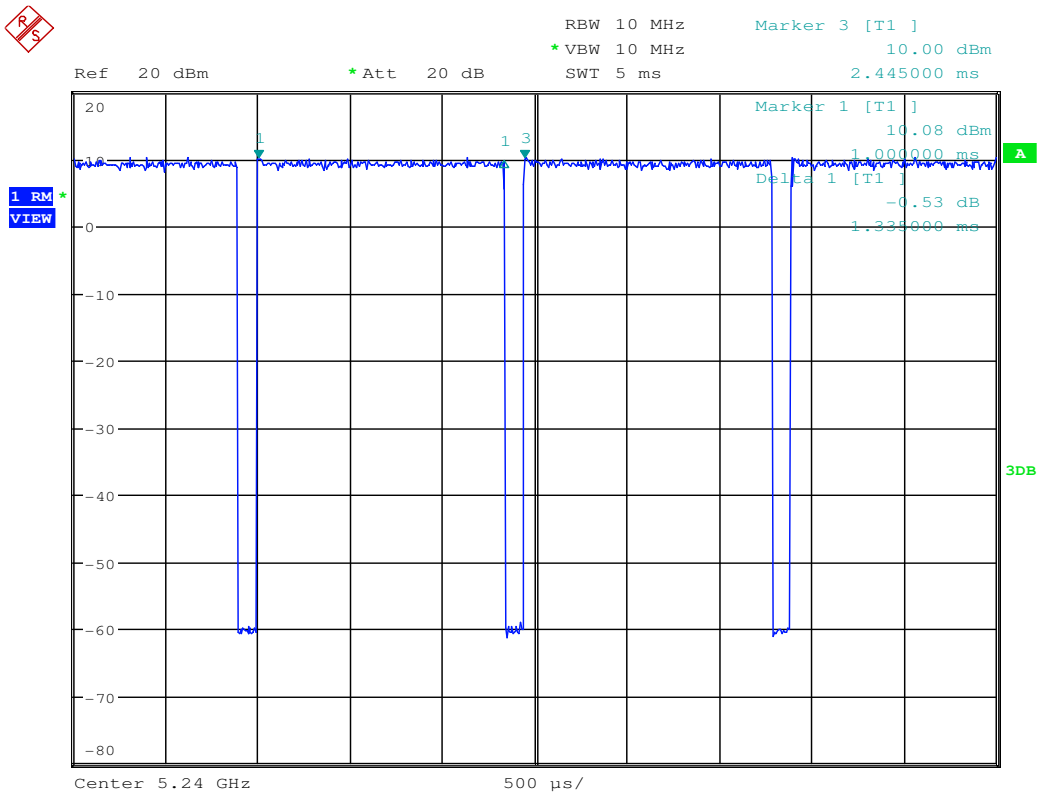
Duty Cycle_11N20_5220_Ant1



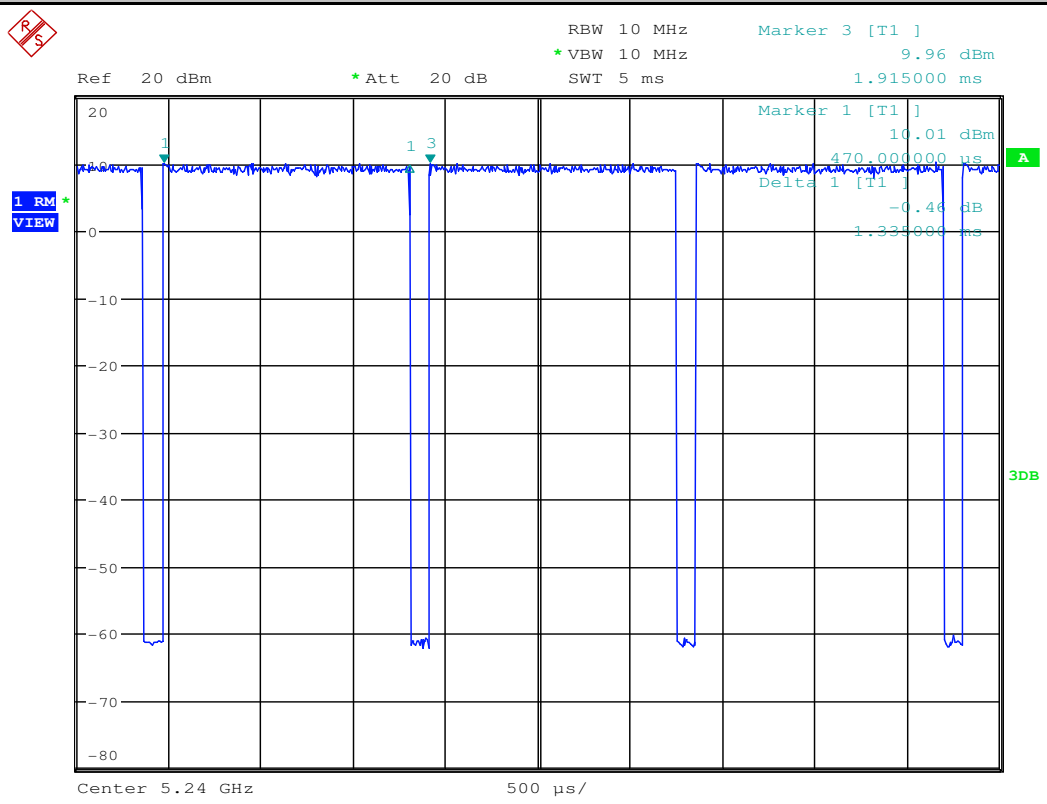
Duty Cycle_11N20_5220_Ant2



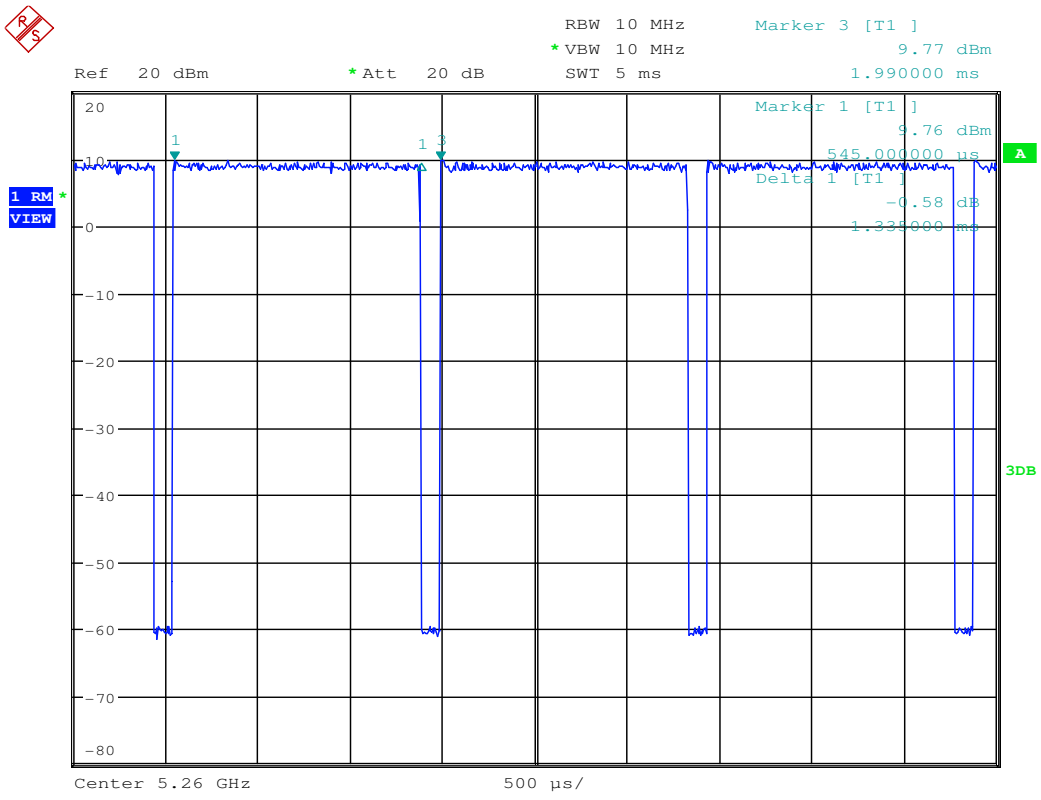
Duty Cycle_11N20_5240_Ant1



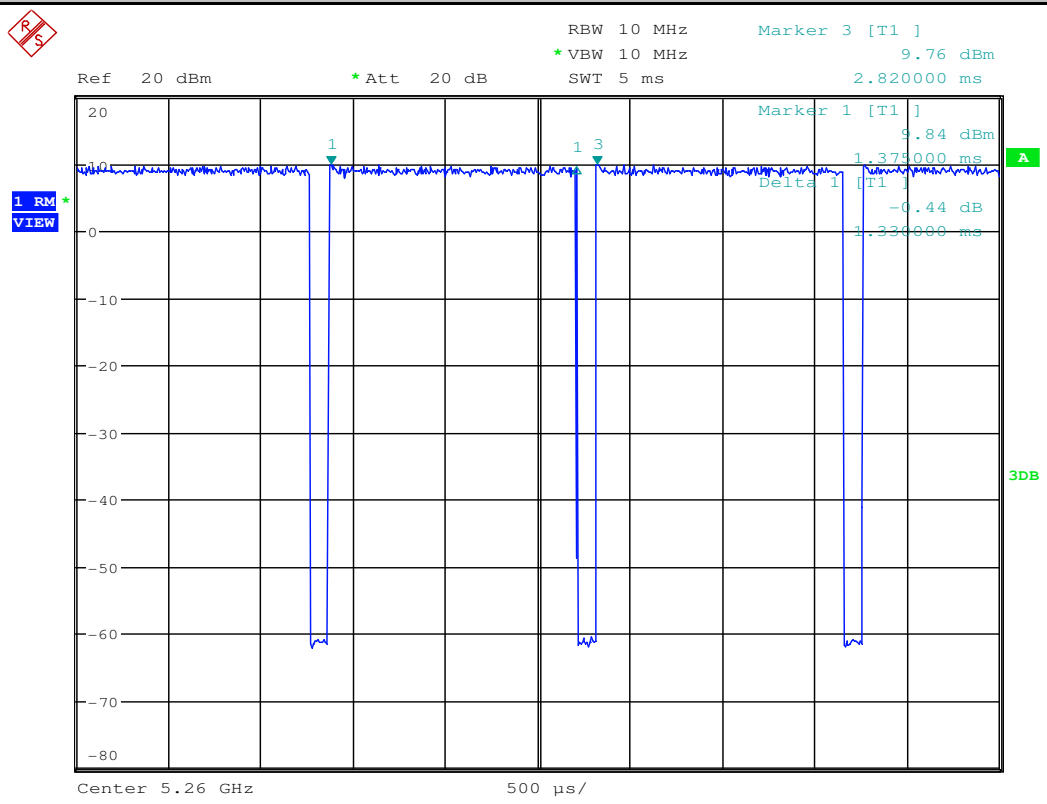
Duty Cycle_11N20_5240_Ant2



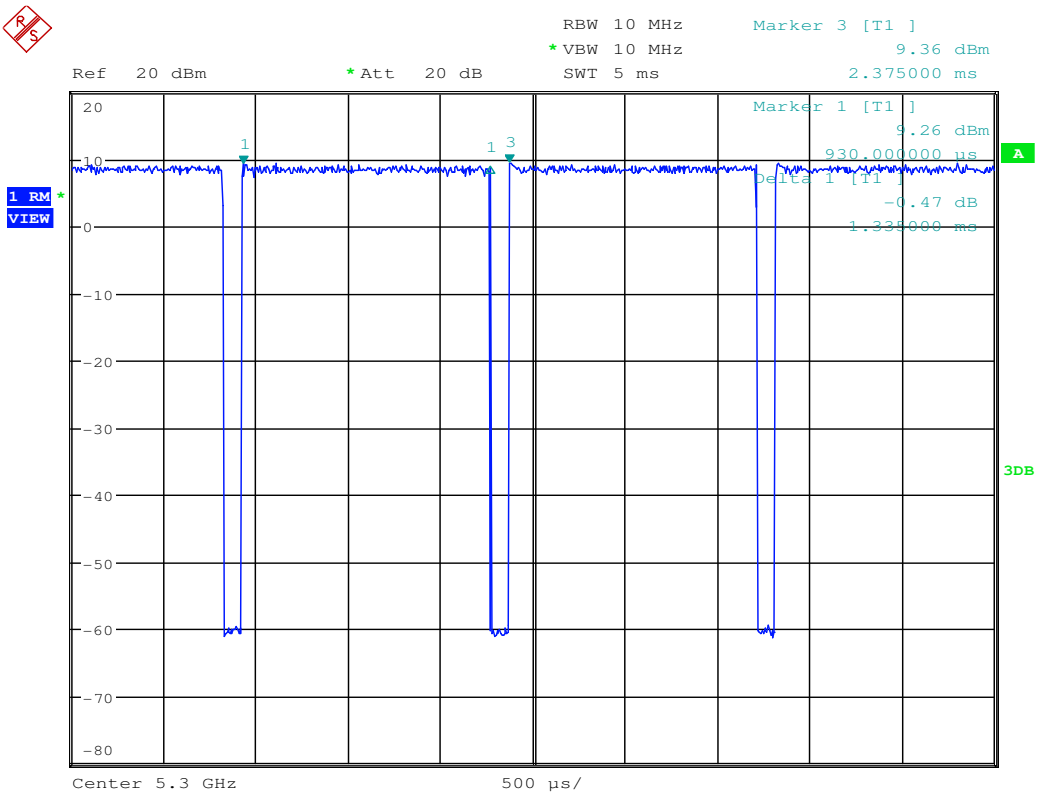
Duty Cycle_11N20_5260_Ant1



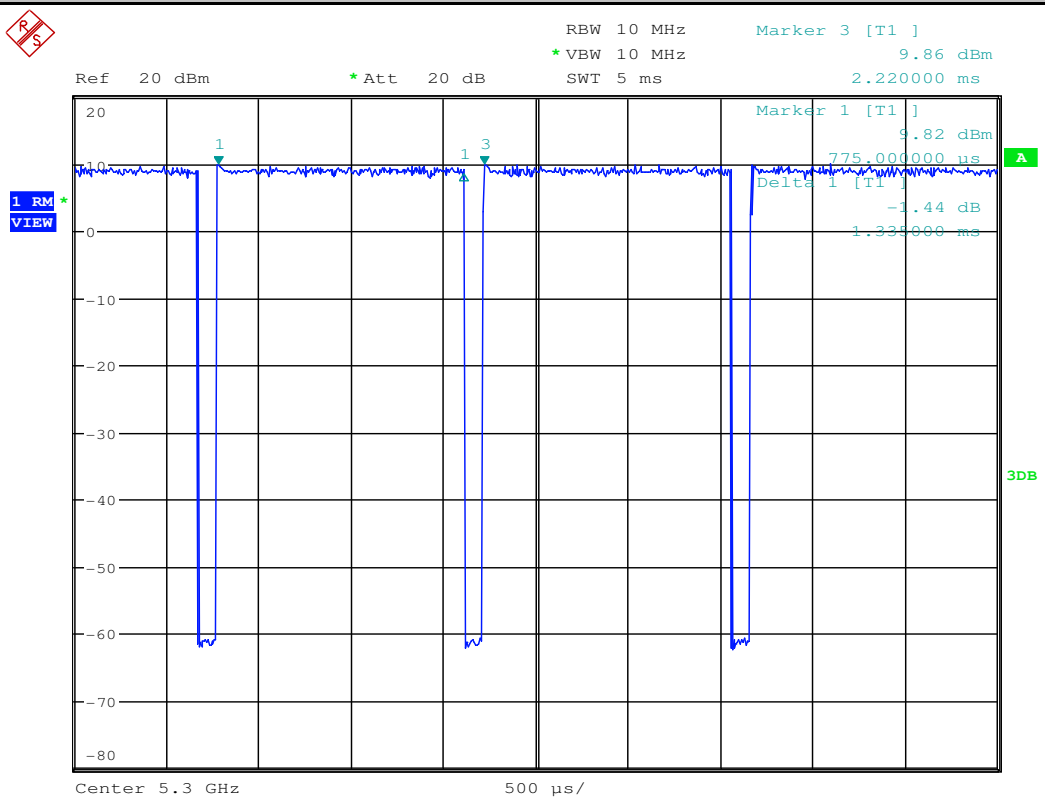
Duty Cycle_11N20_5260_Ant2



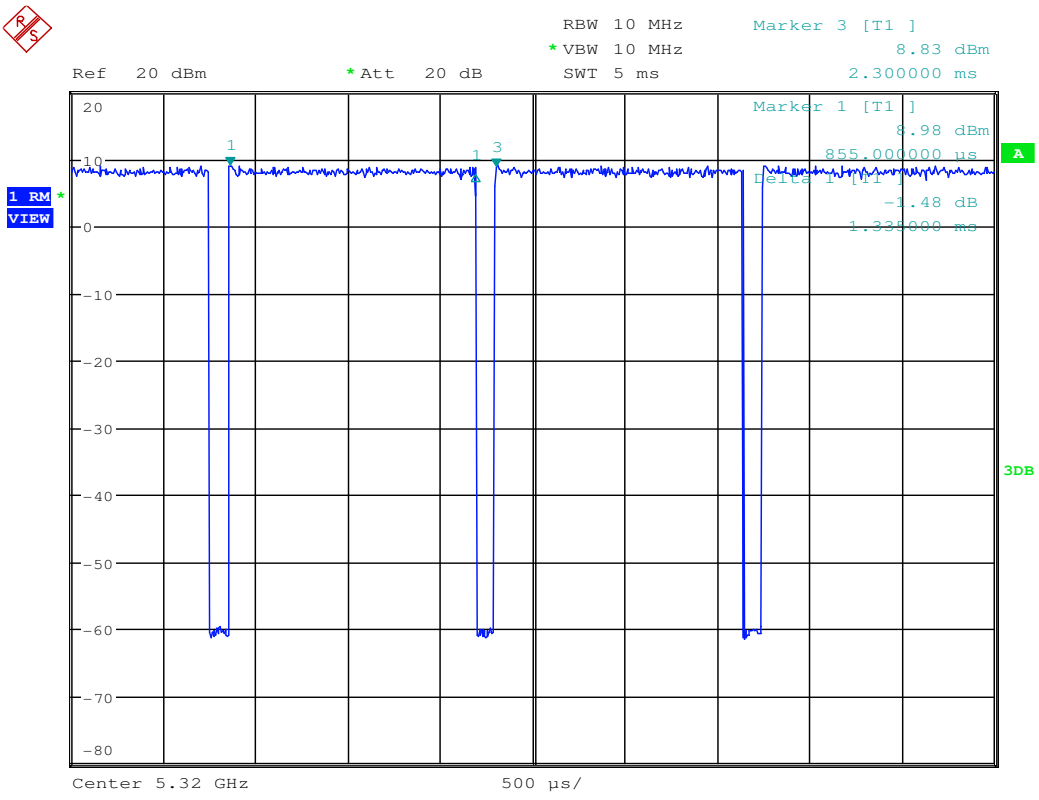
Duty Cycle_11N20_5300_Ant1



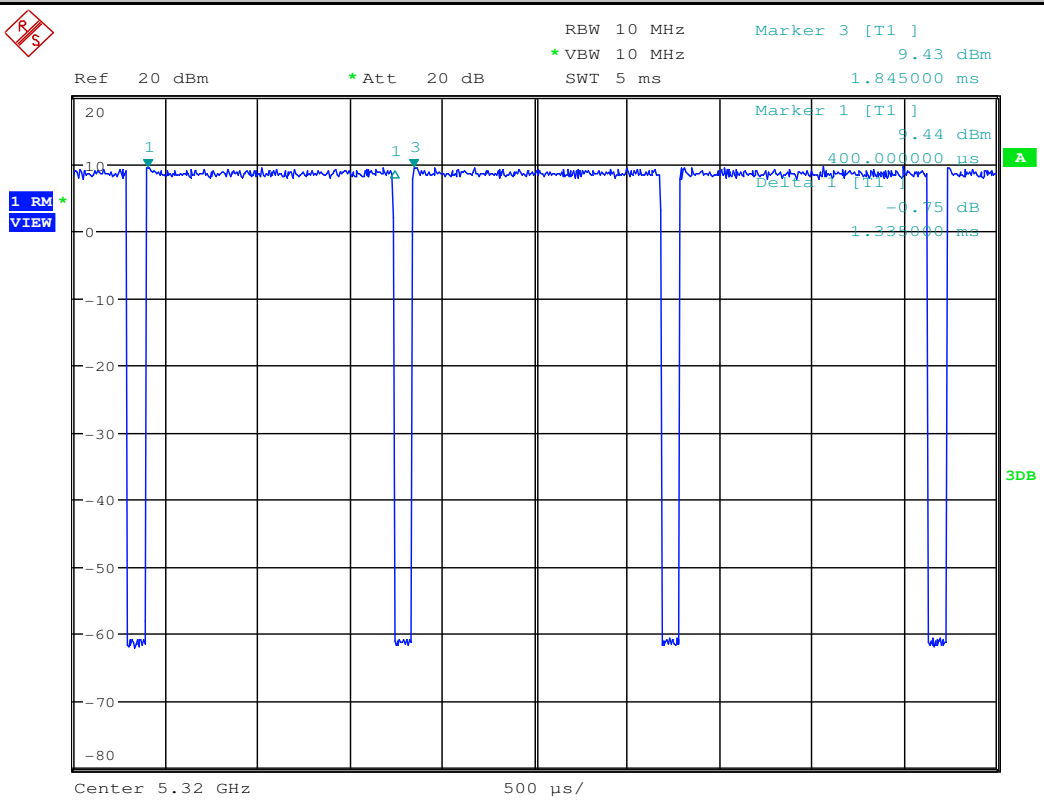
Duty Cycle_11N20_5300_Ant2



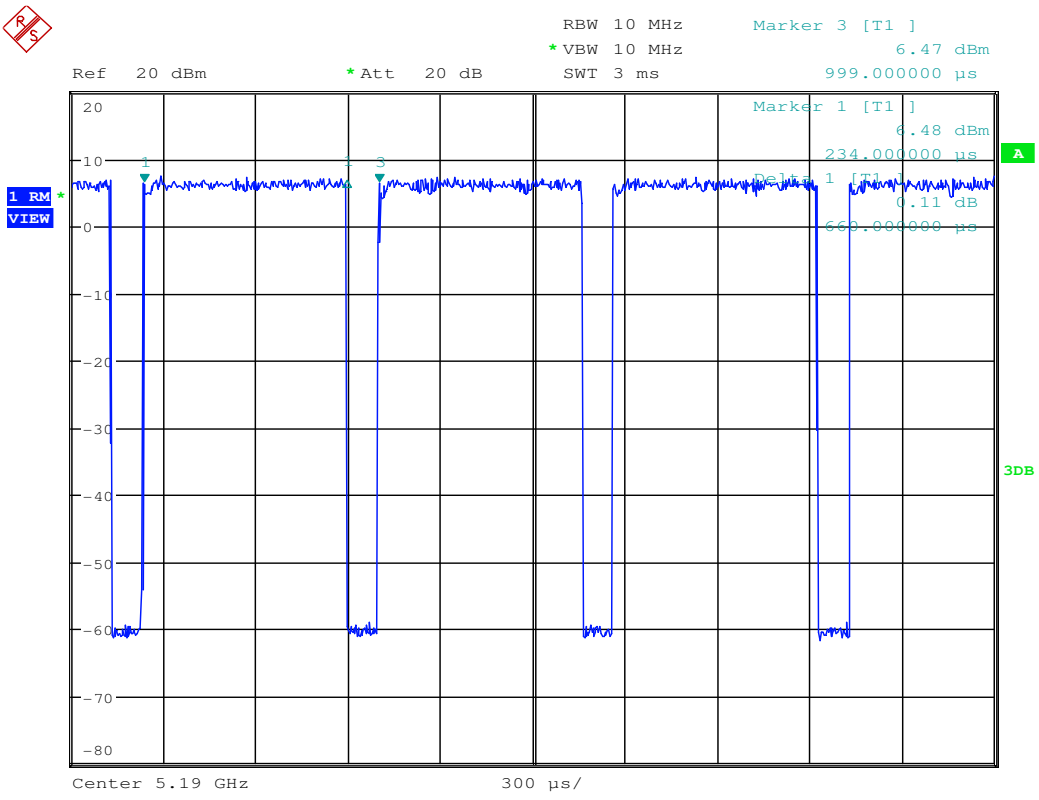
Duty Cycle_11N20_5320_Ant1



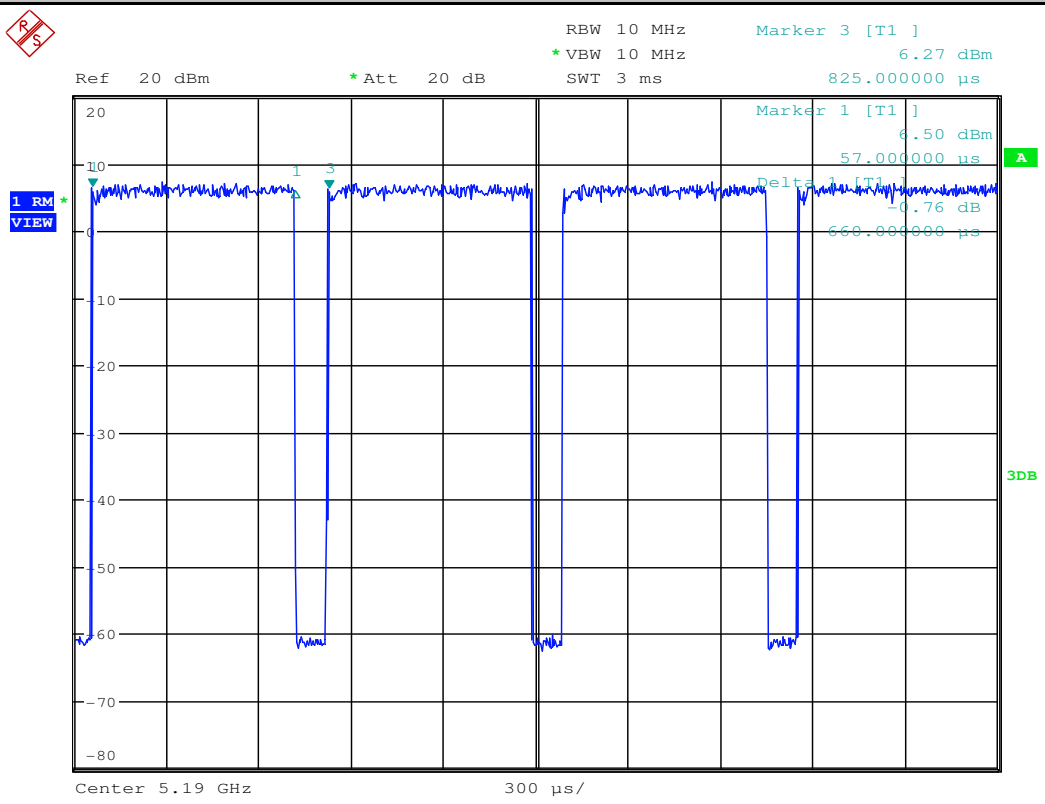
Duty Cycle_11N20_5320_Ant2



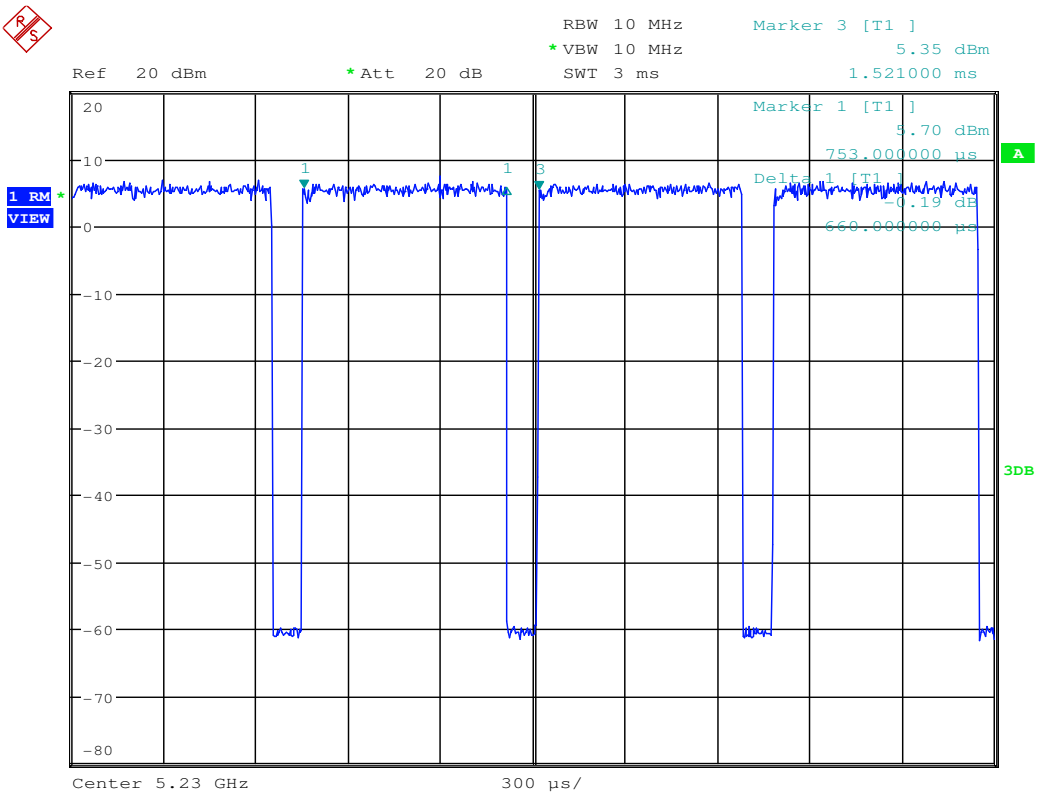
Duty Cycle_11N40_5190_Ant1



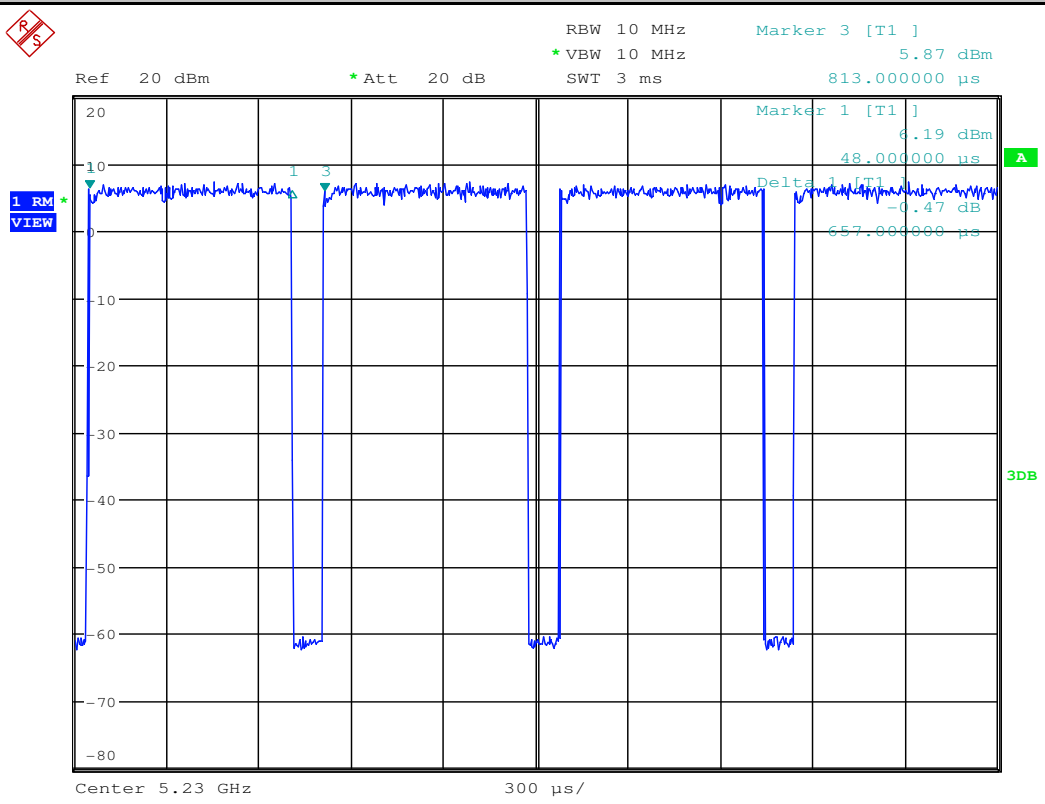
Duty Cycle_11N40_5190_Ant2



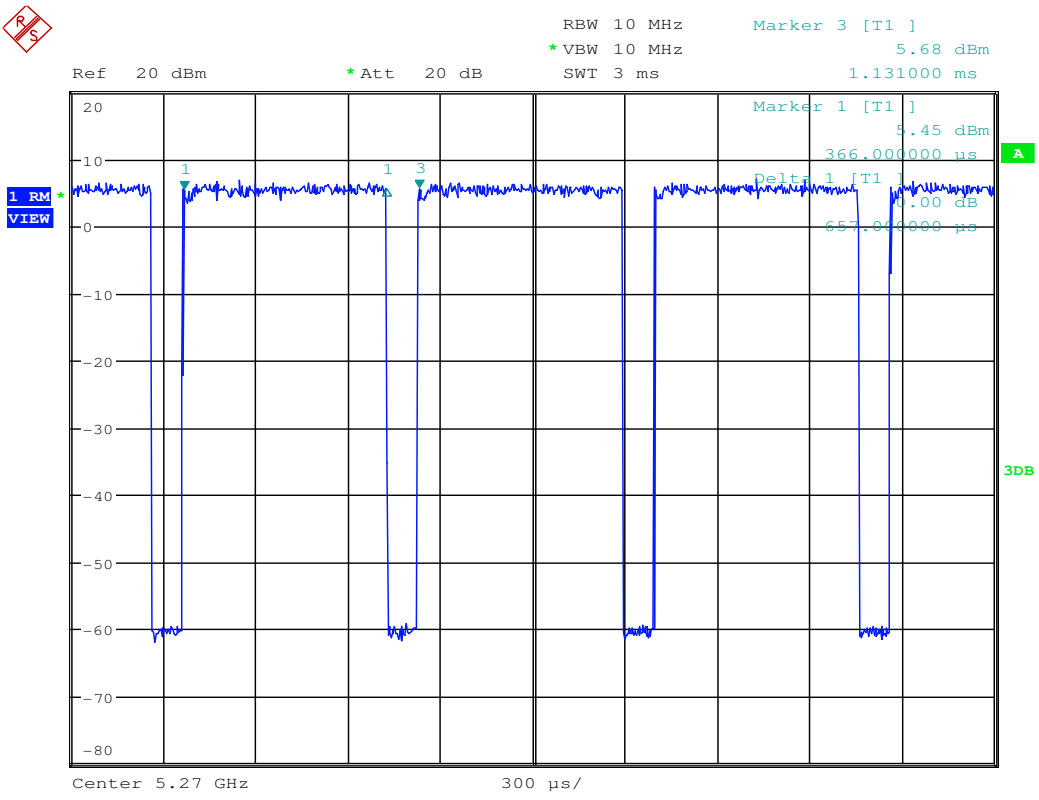
Duty Cycle_11N40_5230_Ant1



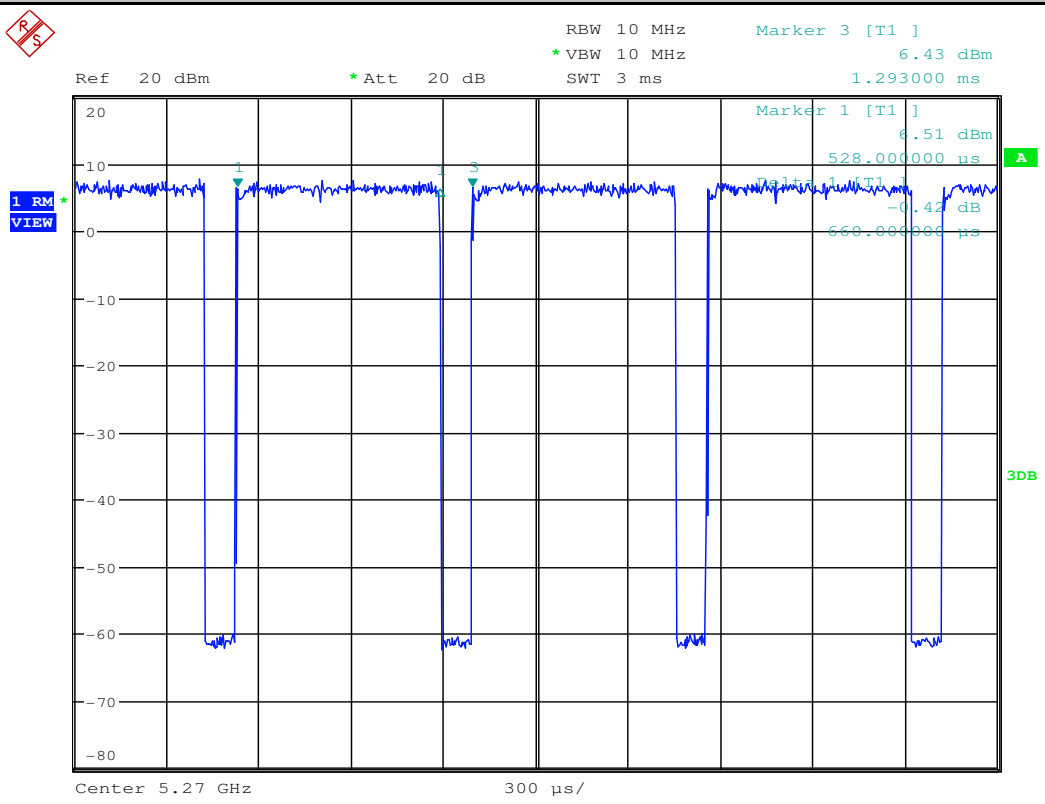
Duty Cycle_11N40_5230_Ant2



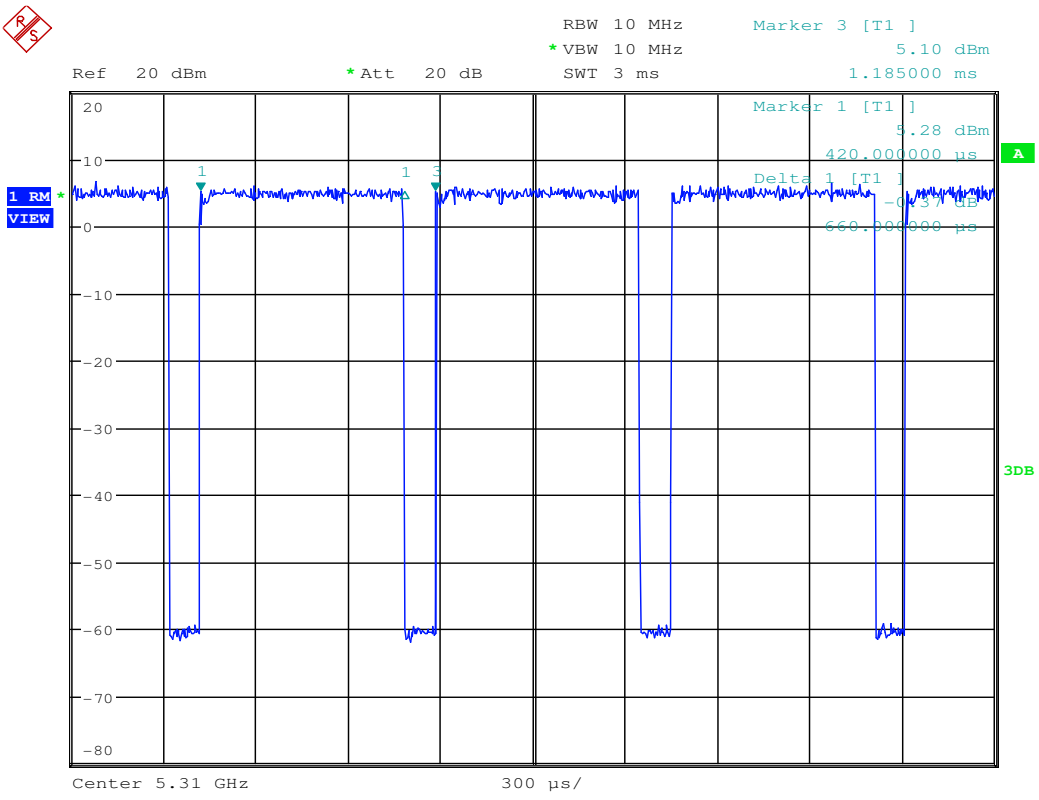
Duty Cycle_11N40_5270_Ant1



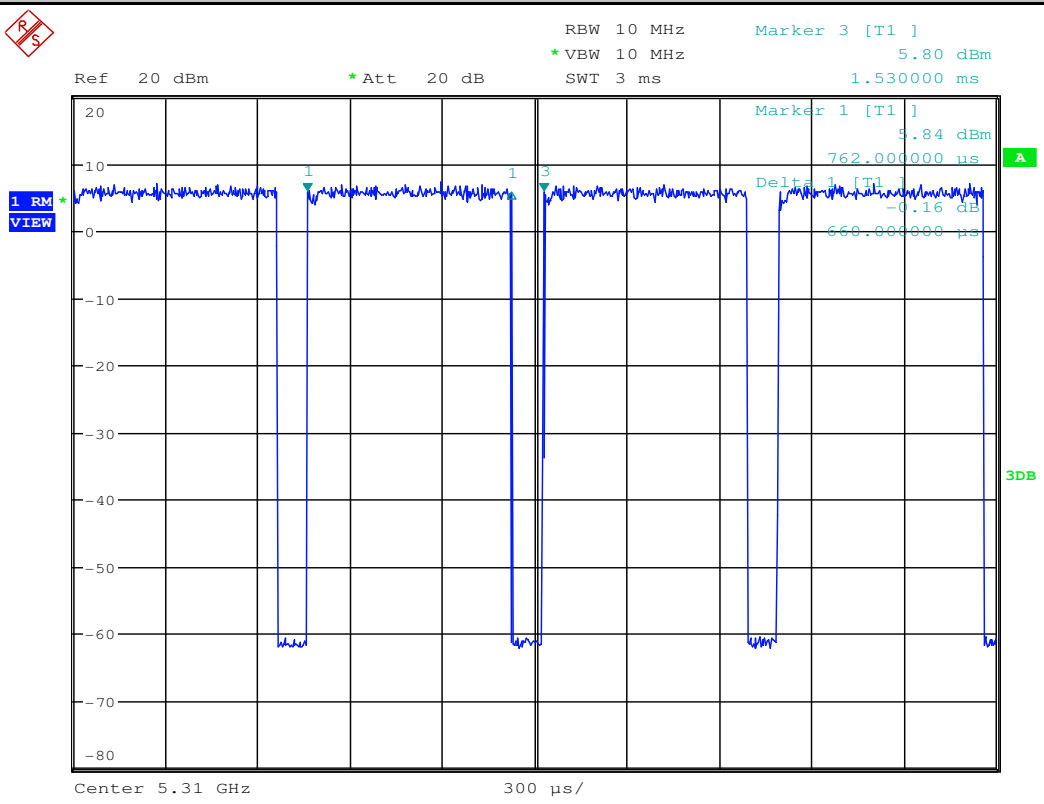
Duty Cycle_11N40_5270_Ant2



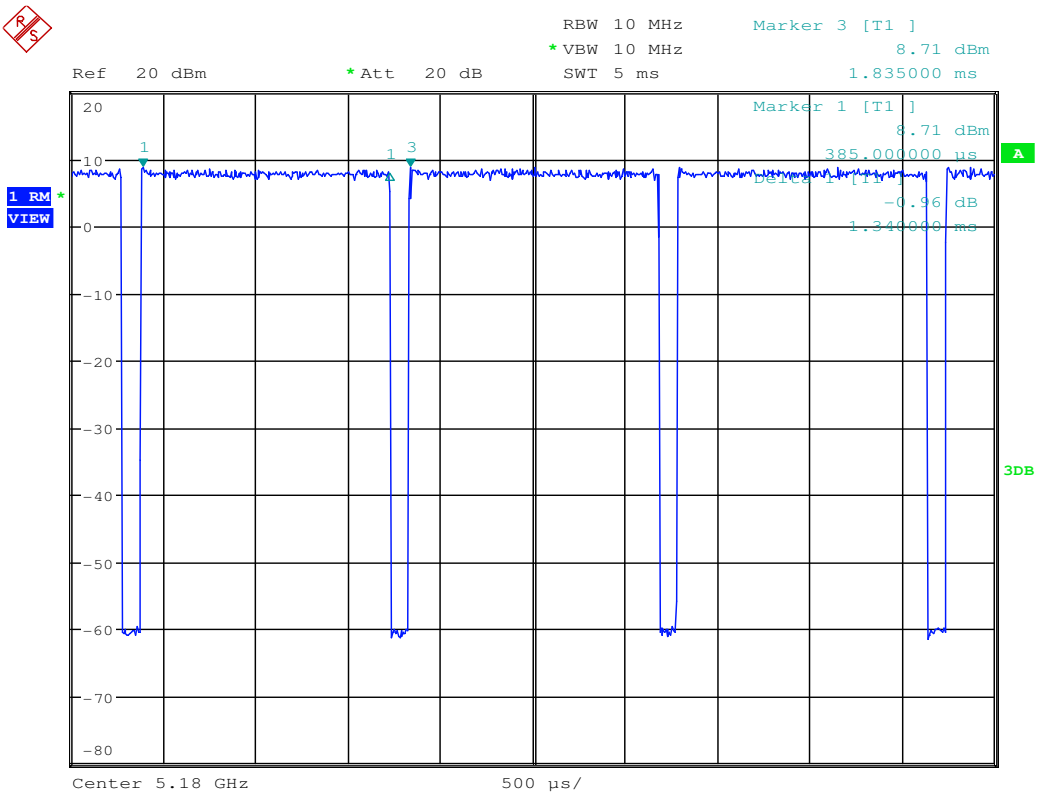
Duty Cycle_11N40_5310_Ant1



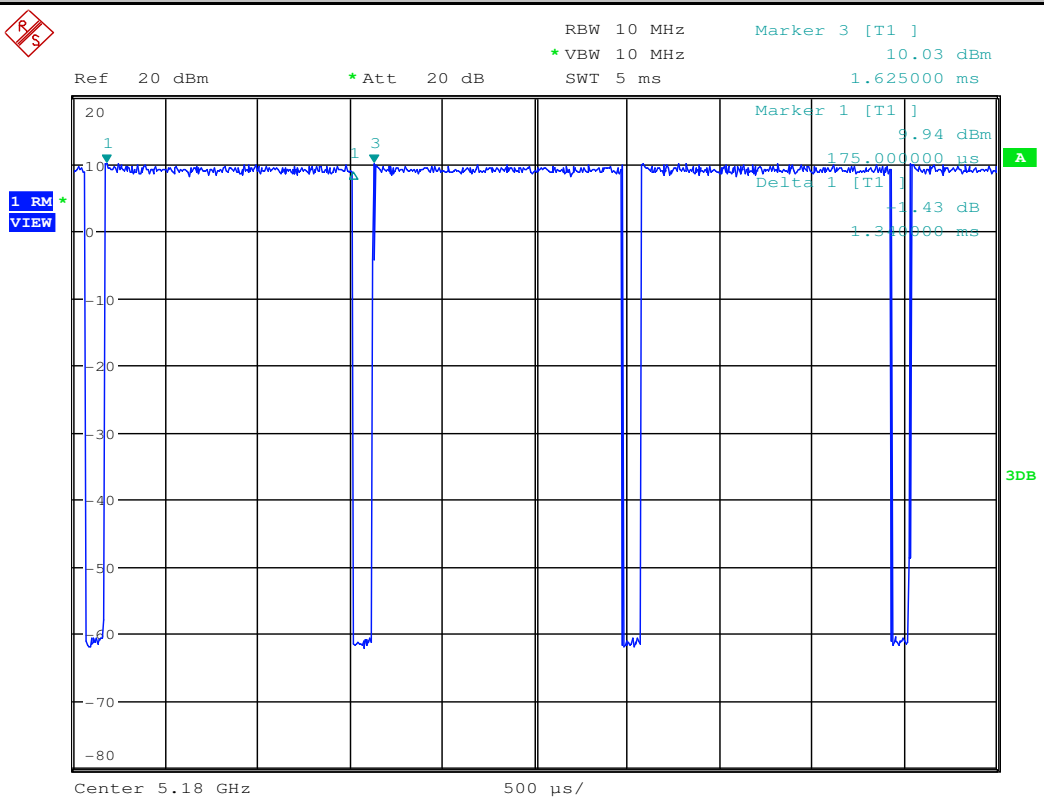
Duty Cycle_11N40_5310_Ant2



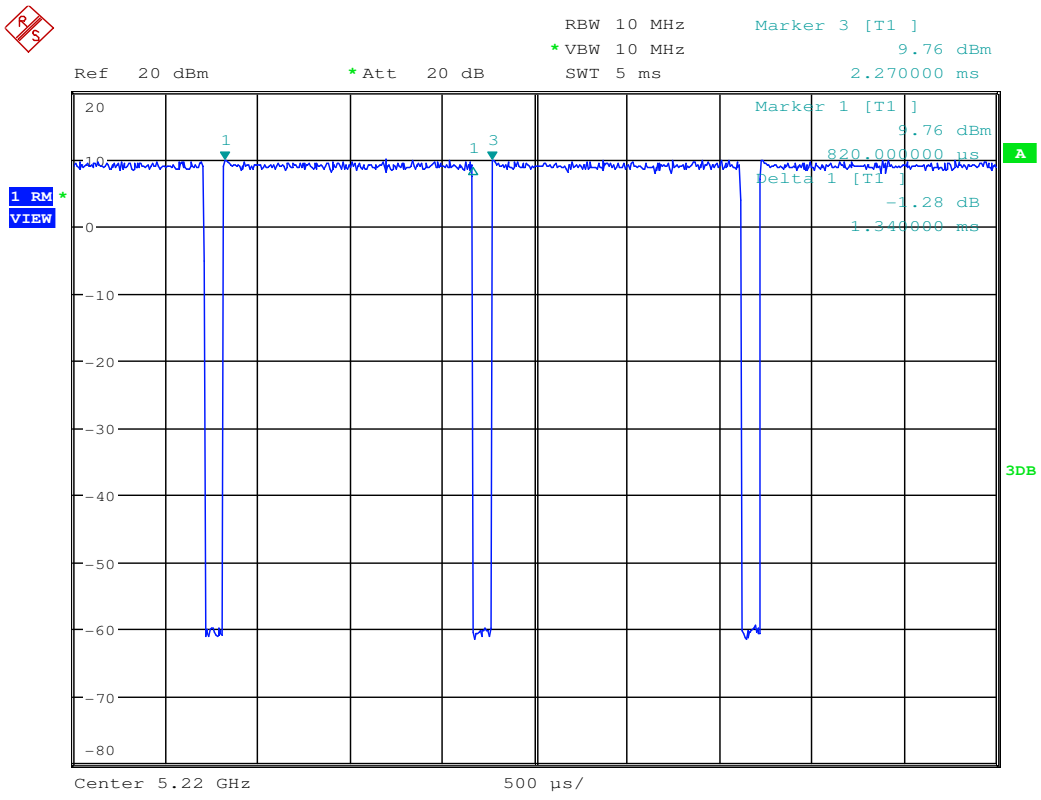
Duty Cycle_11AC20_5180_Ant1



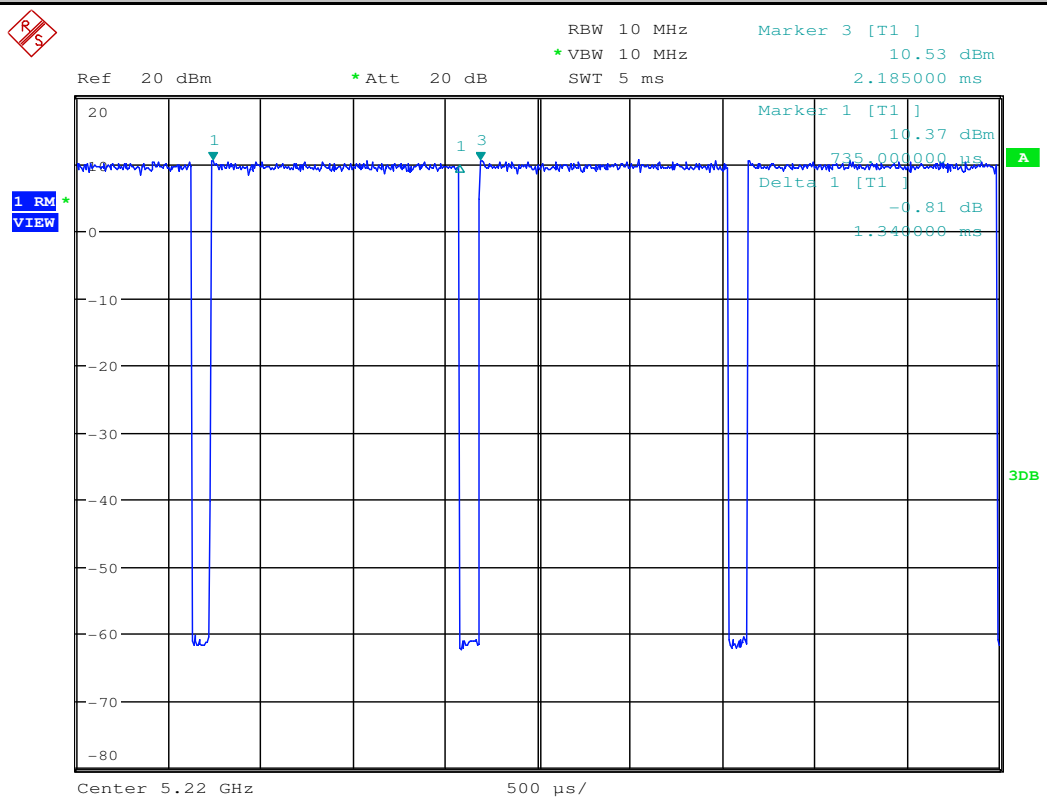
Duty Cycle_11AC20_5180_Ant2



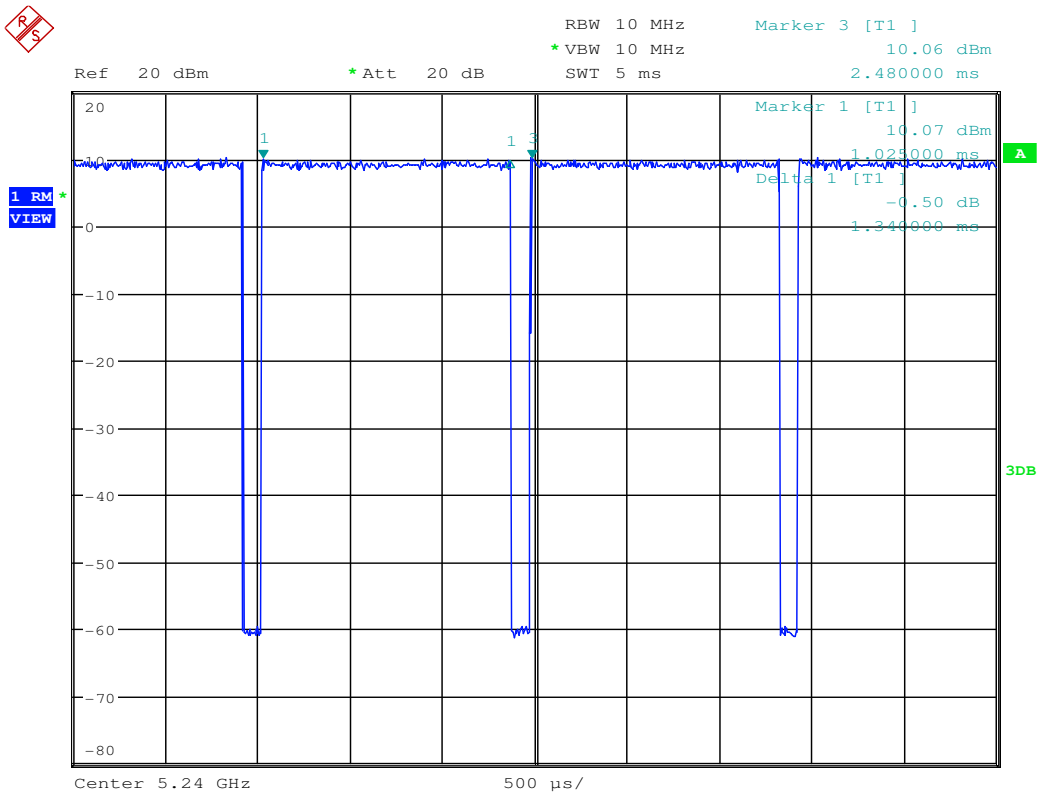
Duty Cycle_11AC20_5220_Ant1



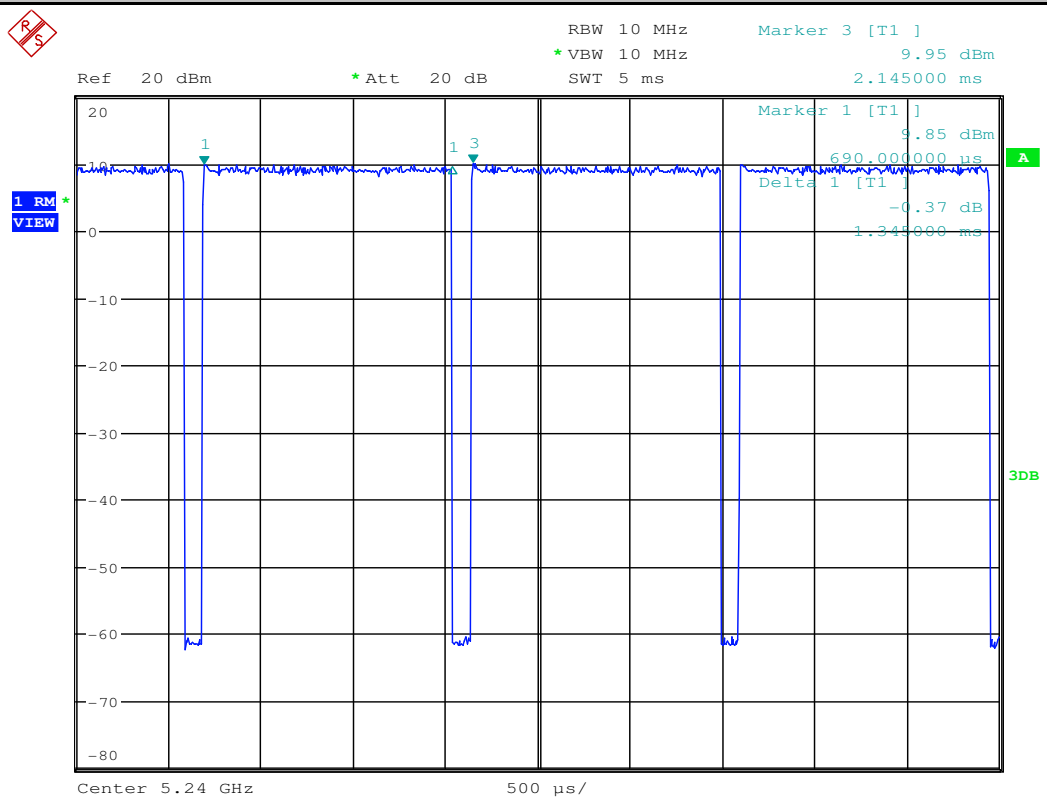
Duty Cycle_11AC20_5220_Ant2



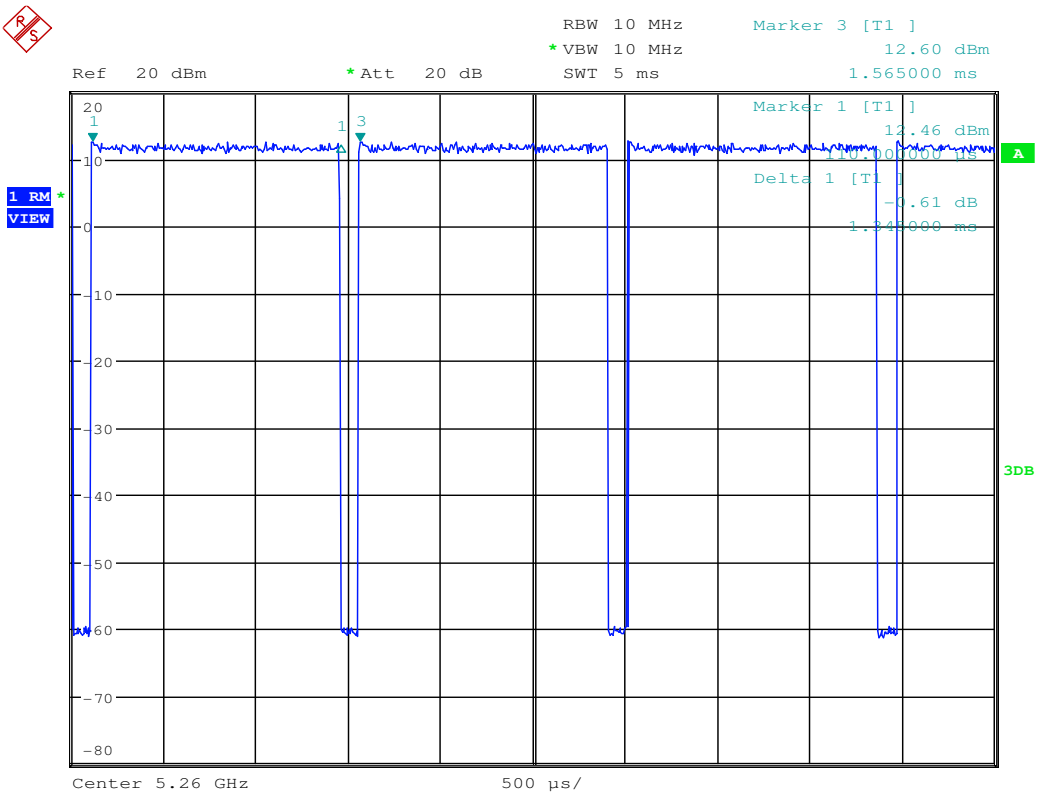
Duty Cycle_11AC20_5240_Ant1



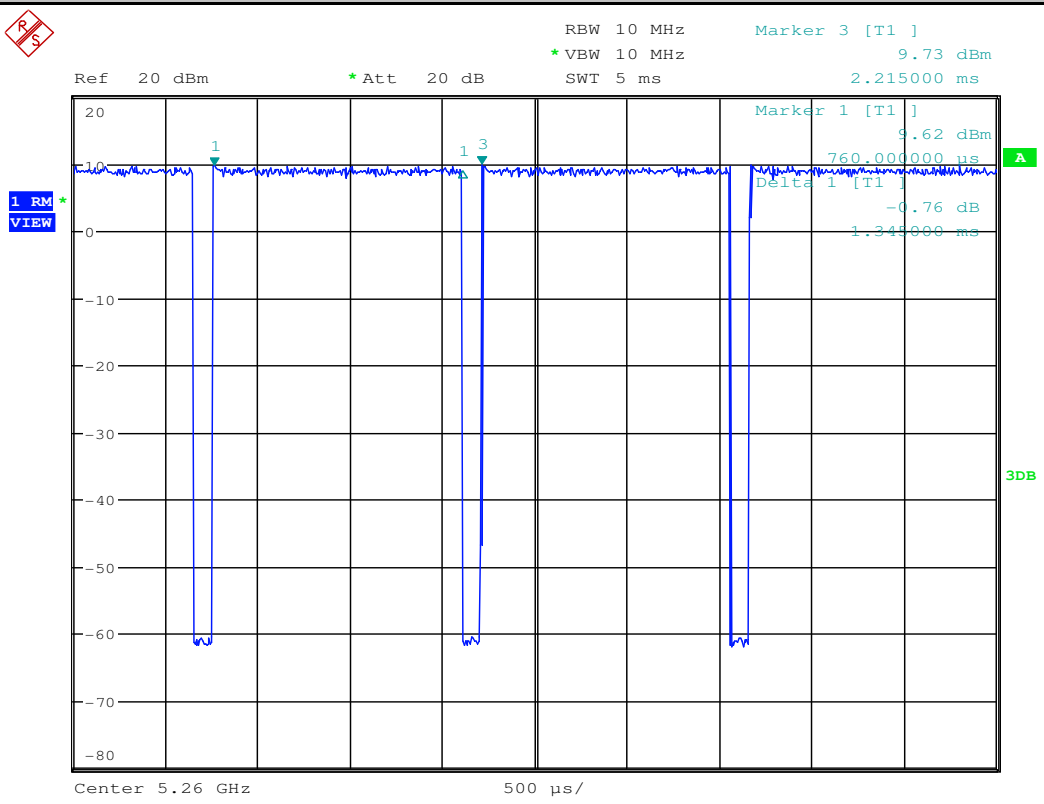
Duty Cycle_11AC20_5240_Ant2



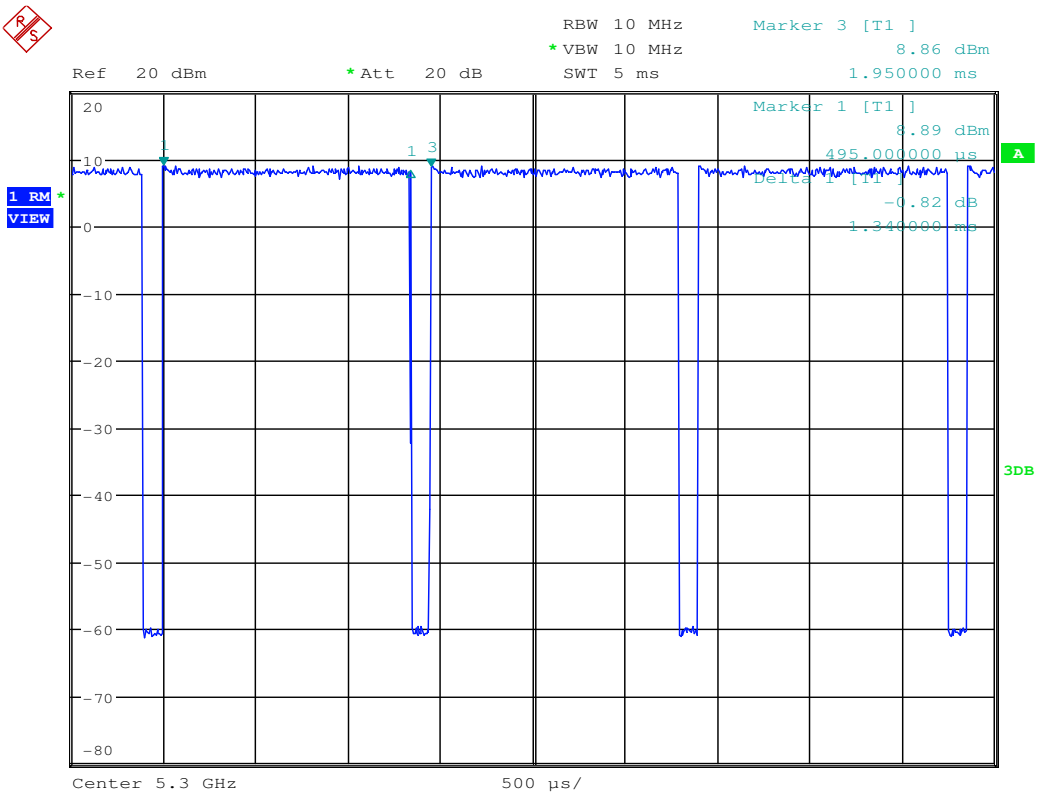
Duty Cycle_11AC20_5260_Ant1



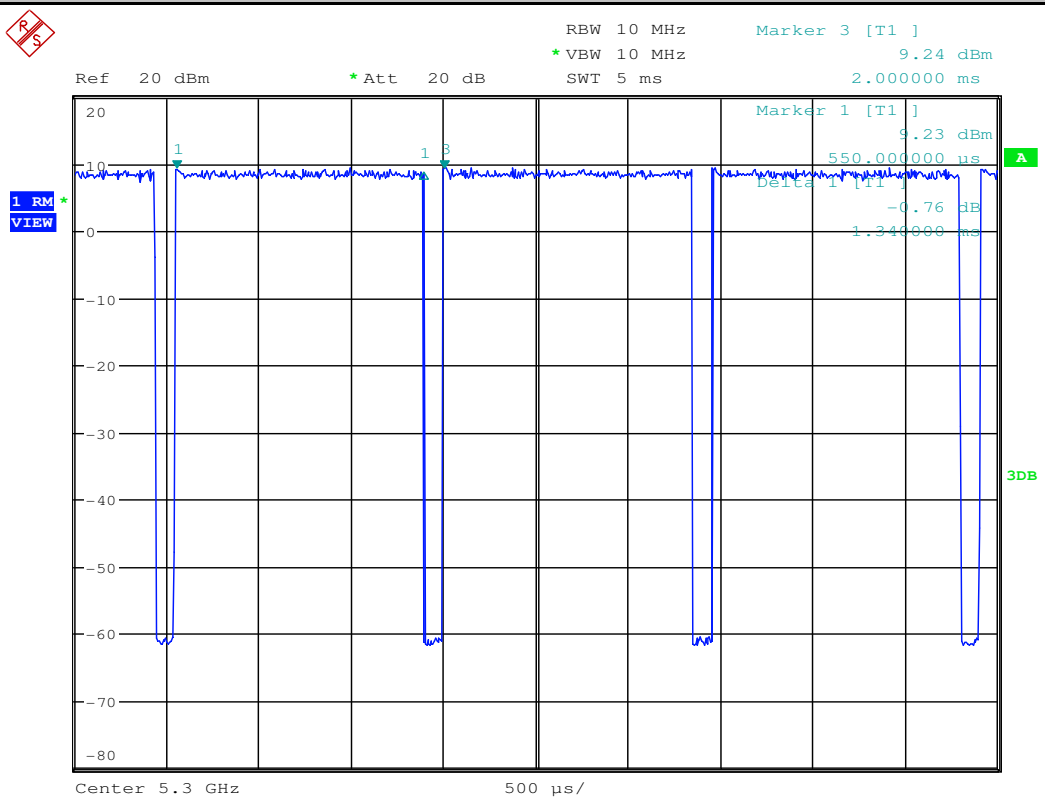
Duty Cycle_11AC20_5260_Ant2



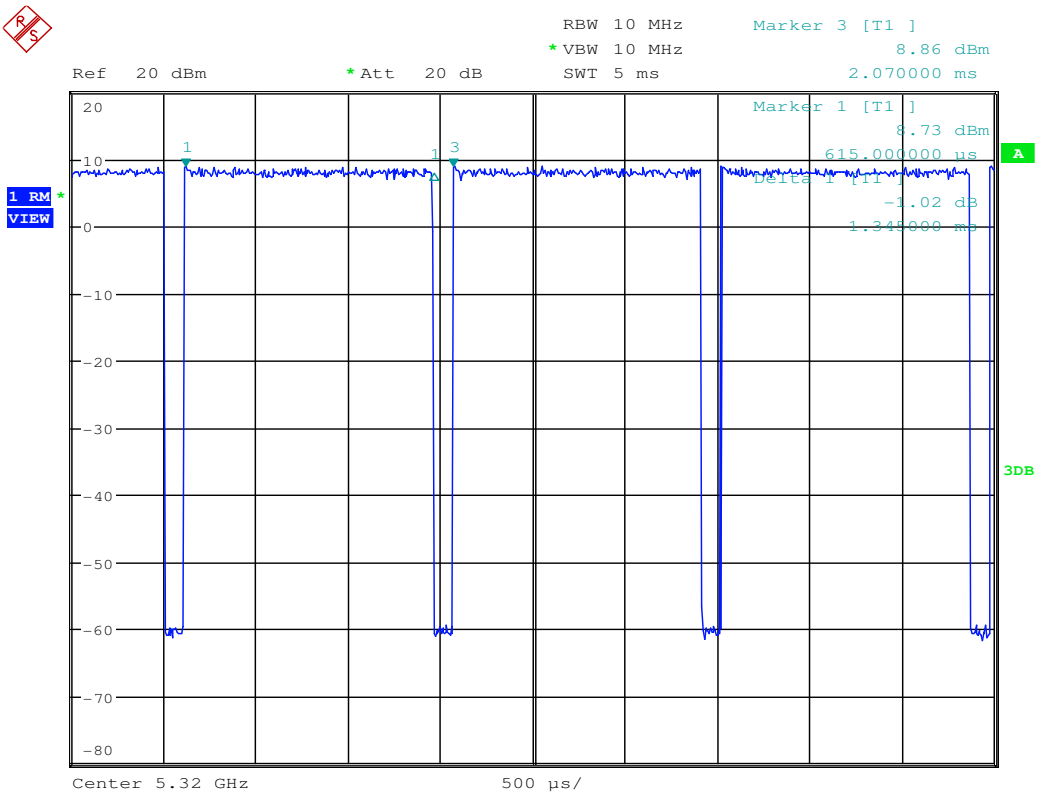
Duty Cycle_11AC20_5300_Ant1



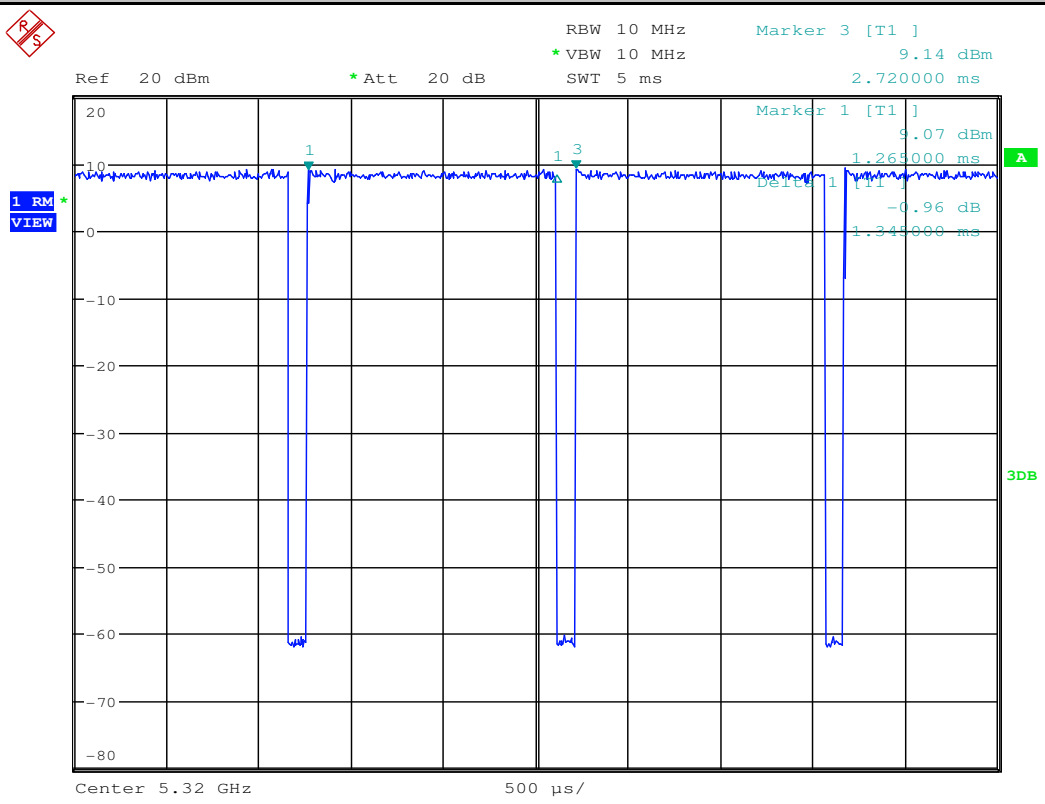
Duty Cycle_11AC20_5300_Ant2



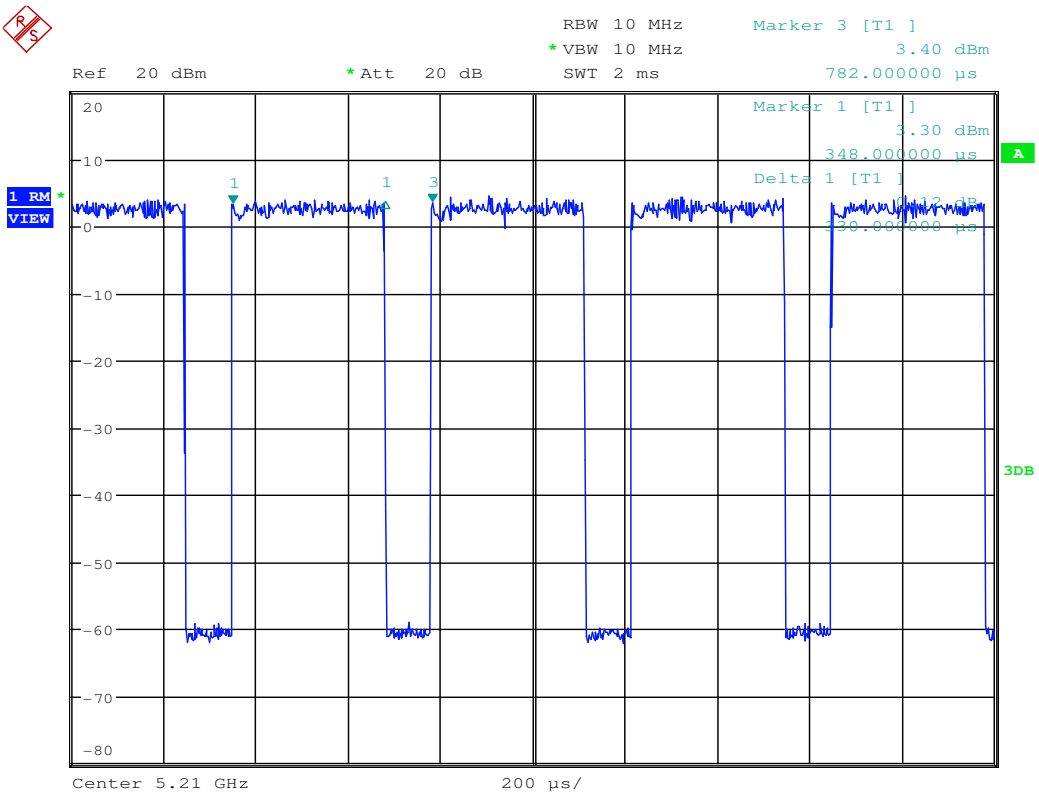
Duty Cycle_11AC20_5320_Ant1



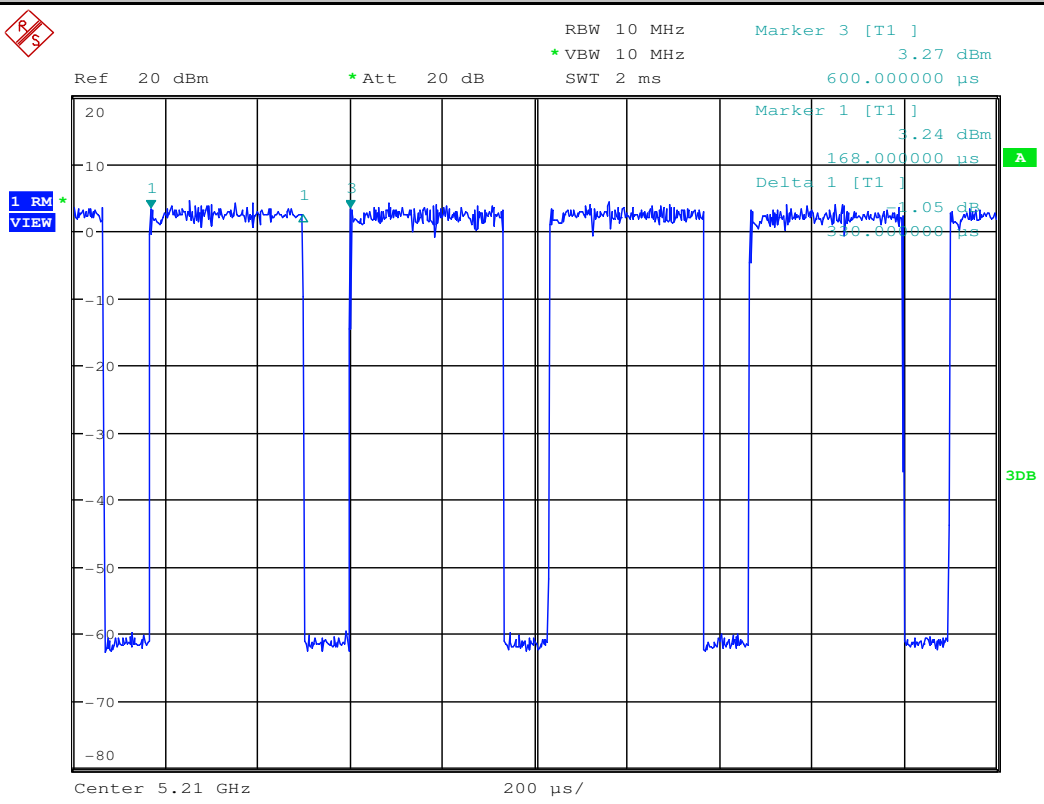
Duty Cycle_11AC20_5320_Ant2



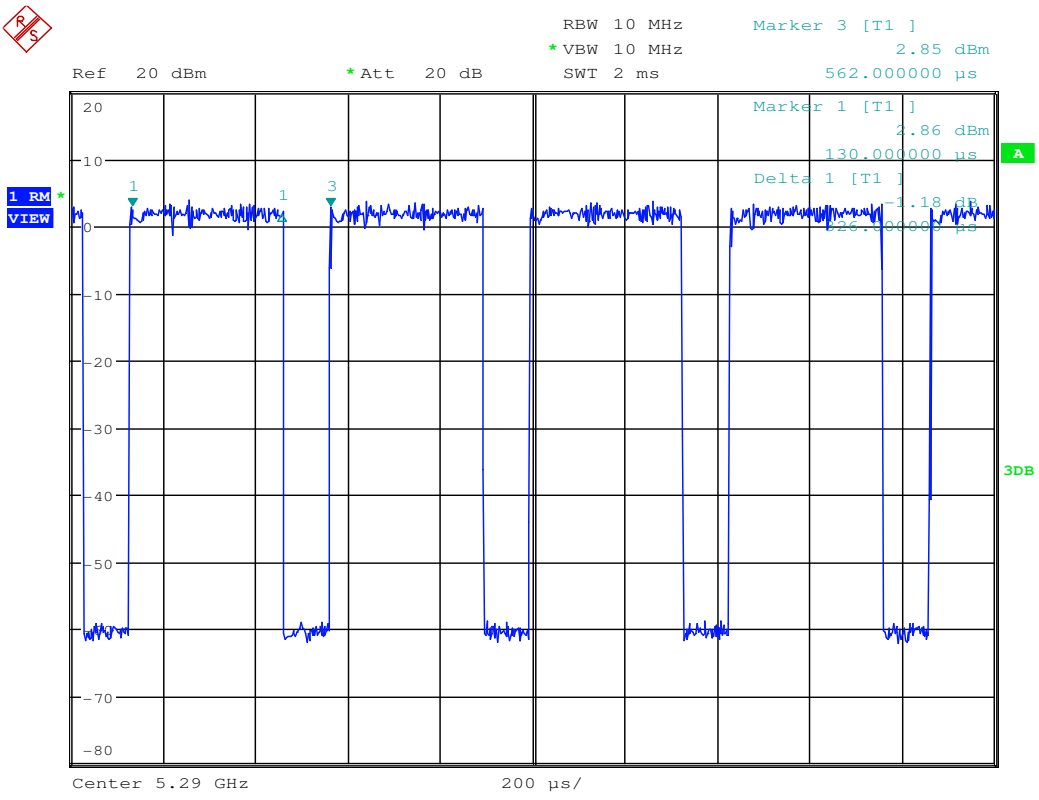
Duty Cycle_11AC80_5210_Ant1



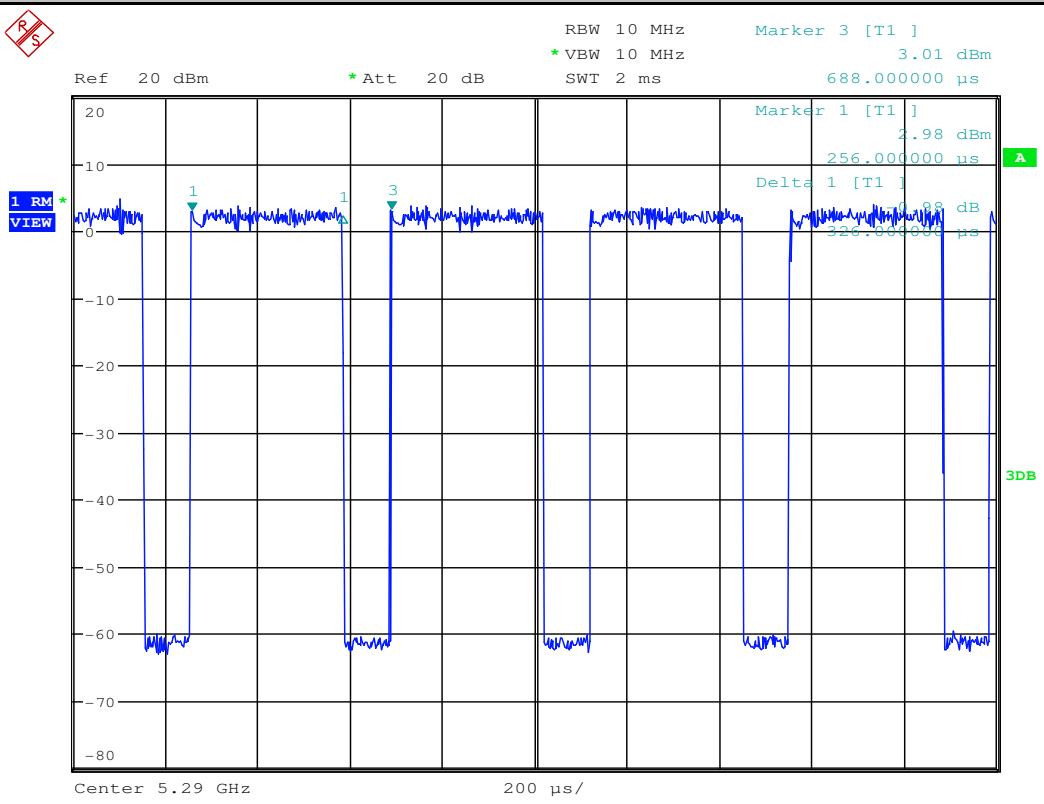
Duty Cycle_11AC80_5210_Ant2



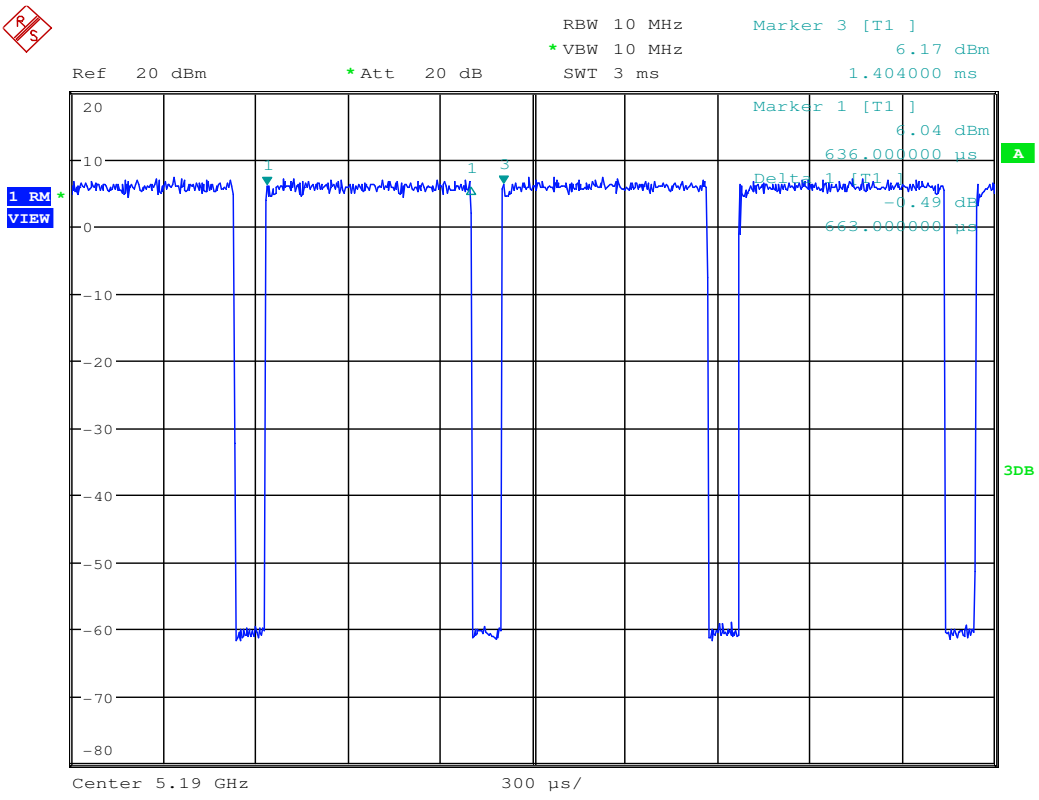
Duty Cycle_11AC80_5290_Ant1



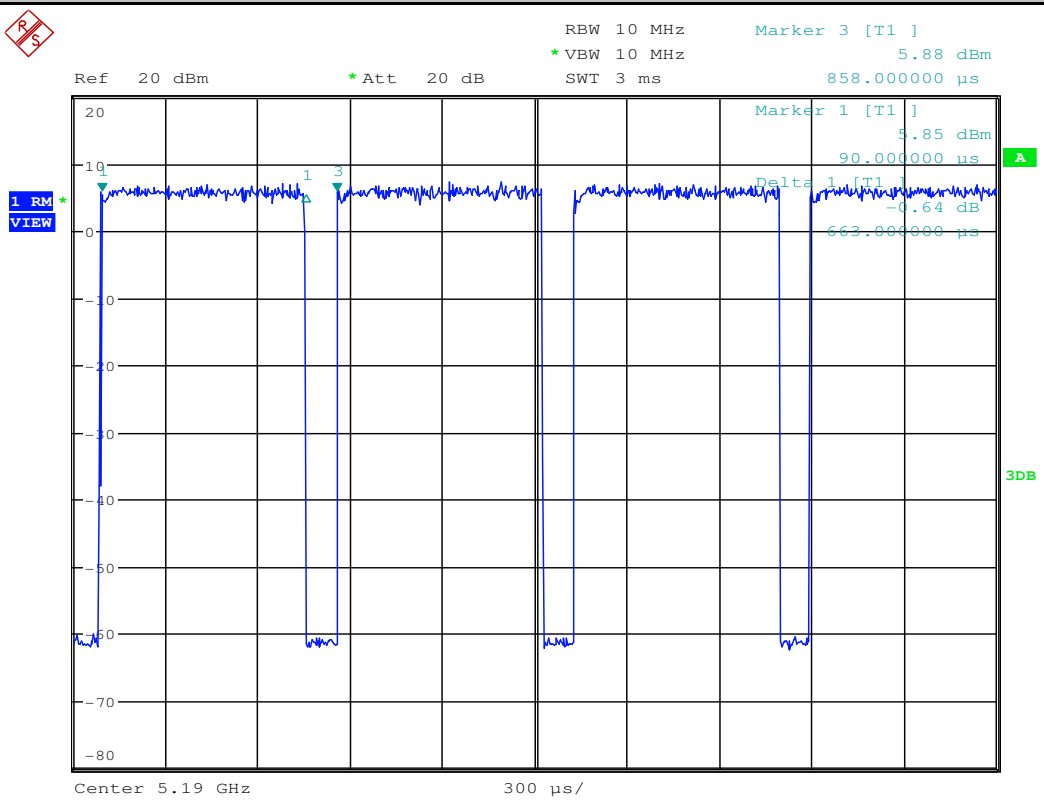
Duty Cycle_11AC80_5290_Ant2



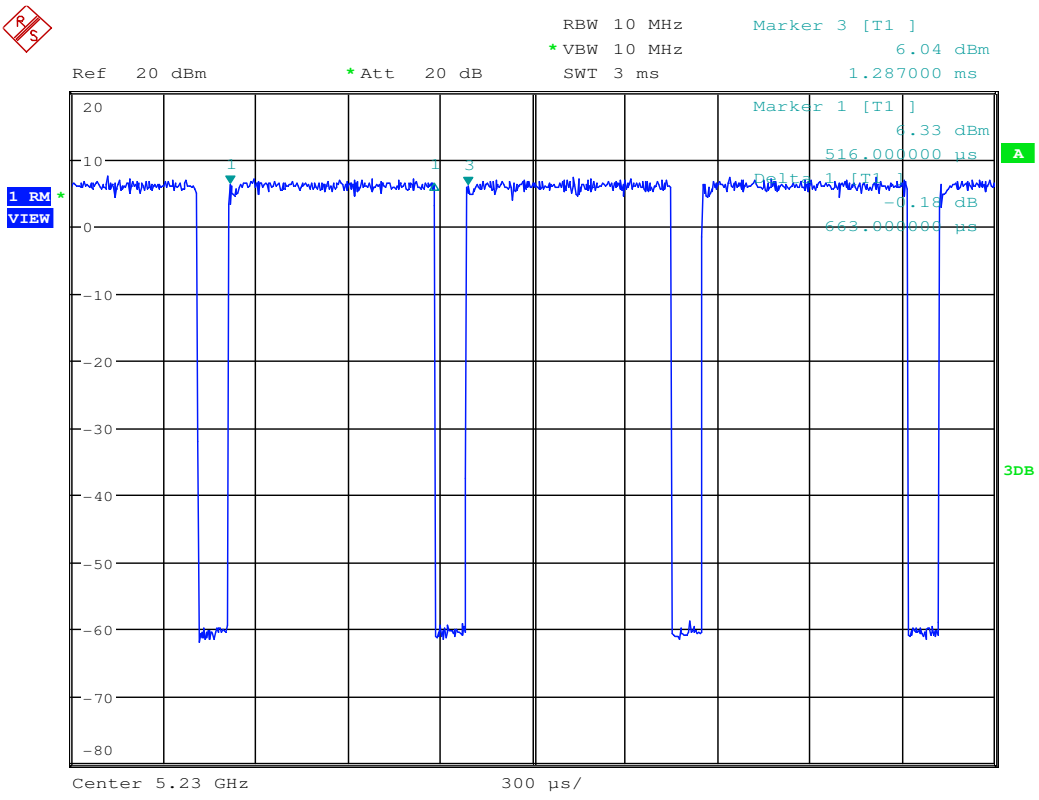
Duty Cycle_11AC40_5190_Ant1



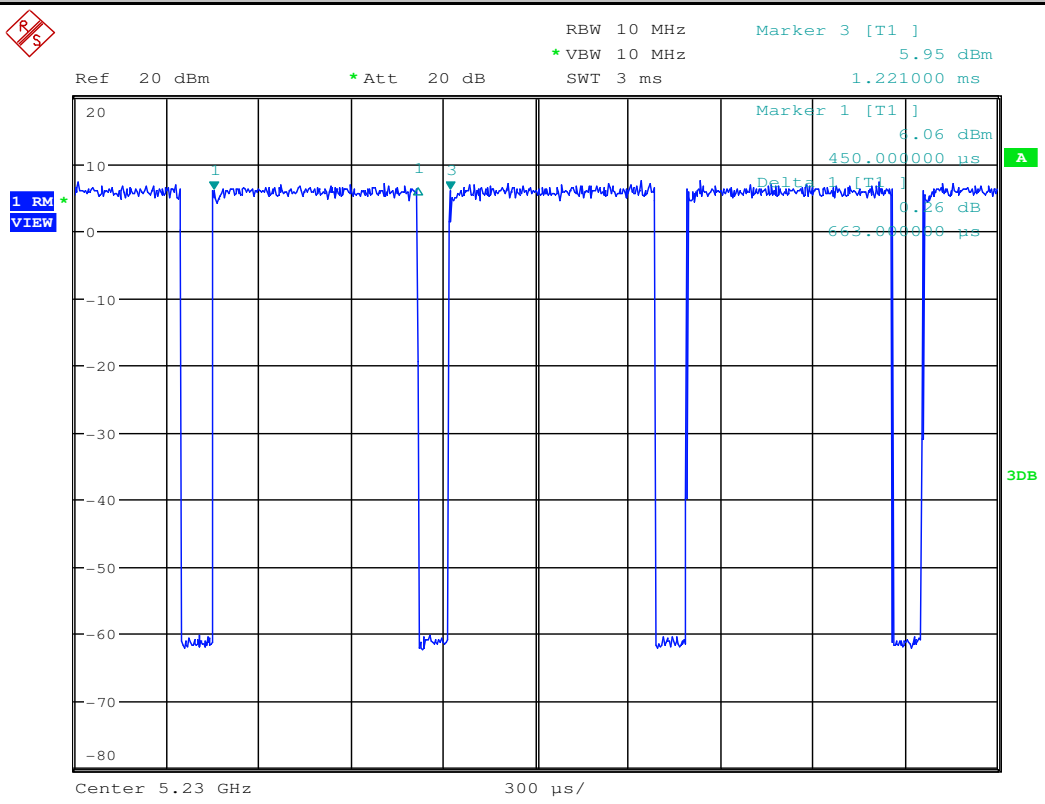
Duty Cycle_11AC40_5190_Ant2



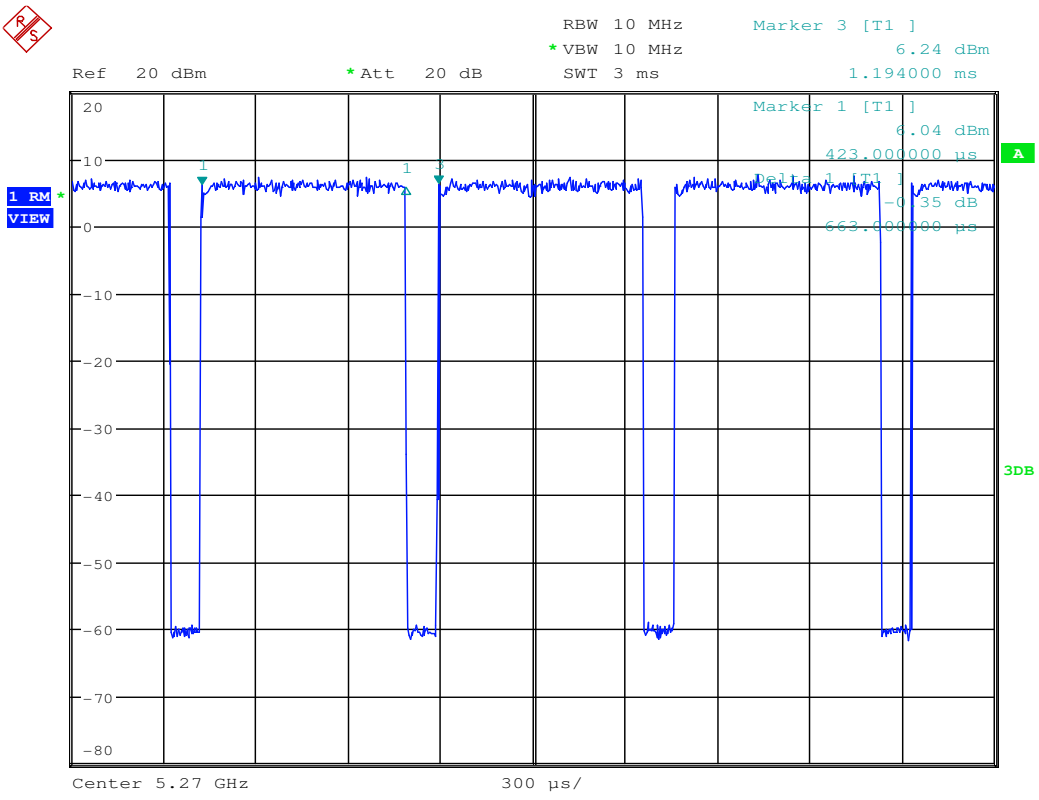
Duty Cycle_11AC40_5230_Ant1



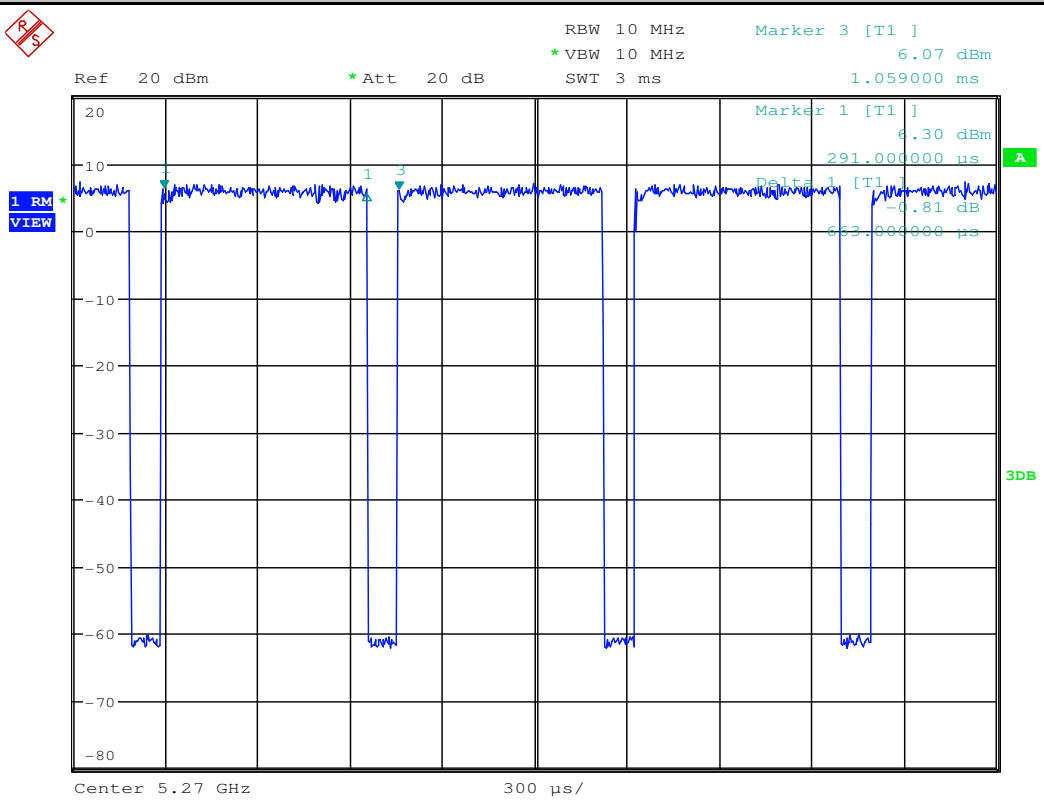
Duty Cycle_11AC40_5230_Ant2



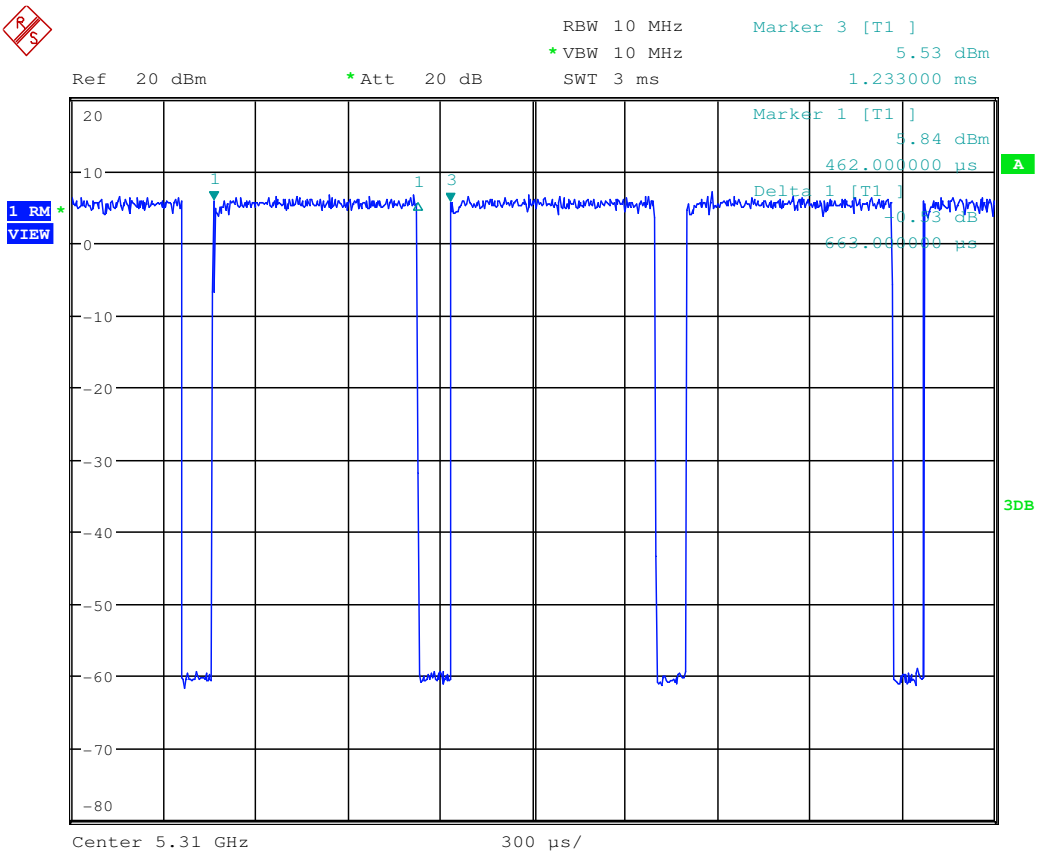
Duty Cycle_11AC40_5270_Ant1



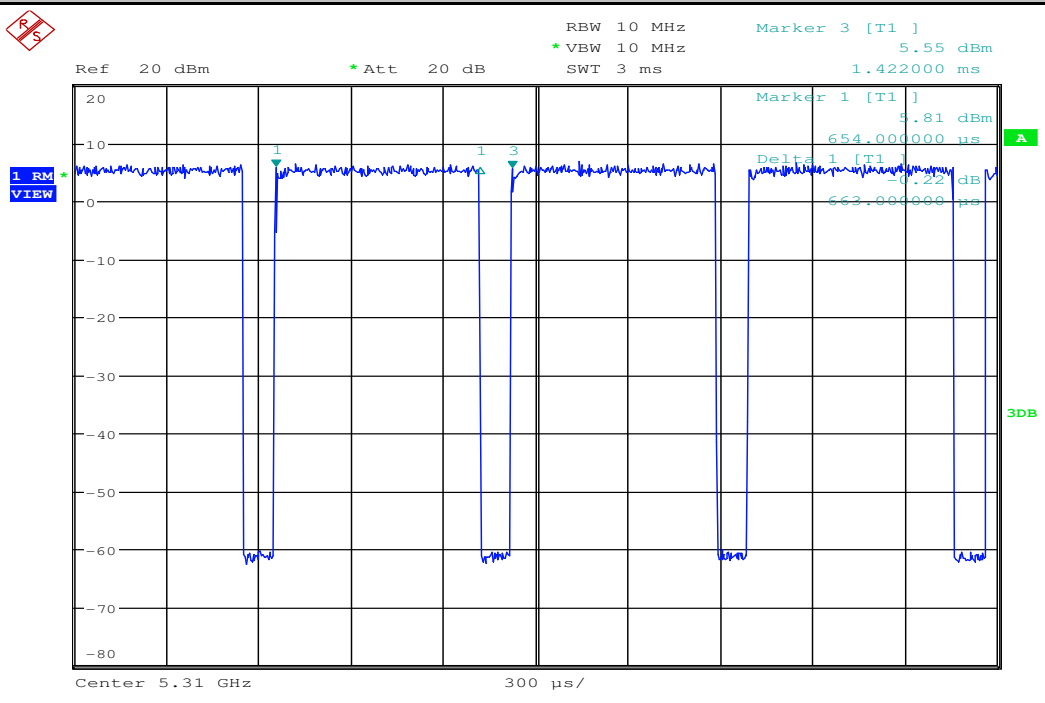
Duty Cycle_11AC40_5270_Ant2



Duty Cycle_11AC40_5310_Ant1



Duty Cycle_11AC40_5310_Ant2

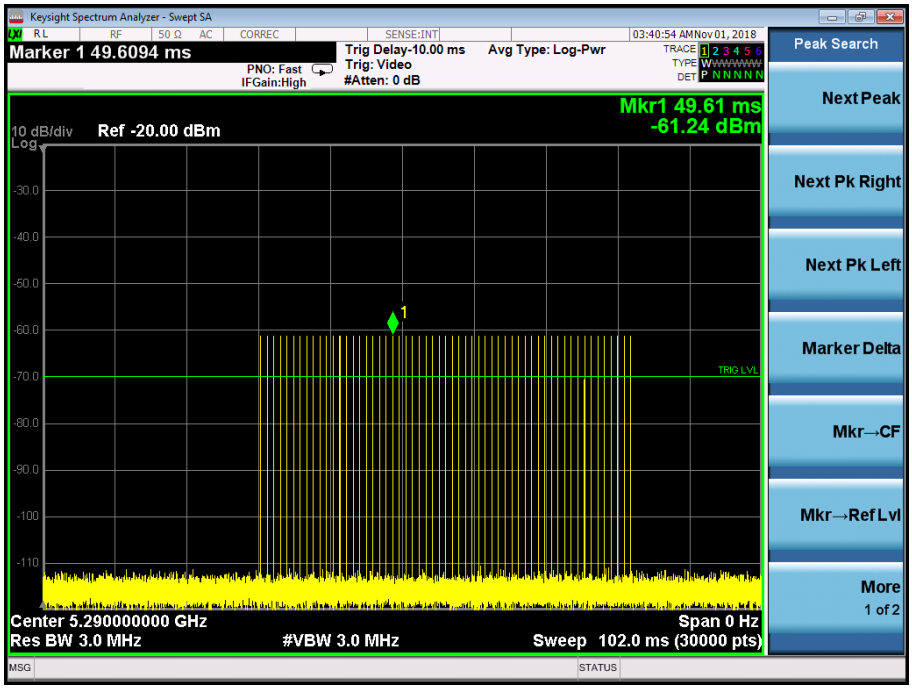


6. (DFS: Non-occupancy period; DFS: Channel Move Time; DFS: Channel Closing Transmission Time)

Test plots as follows:

Radar Waveform Calibration Result

Radar Type 0 (80MHz / 5290MHz)

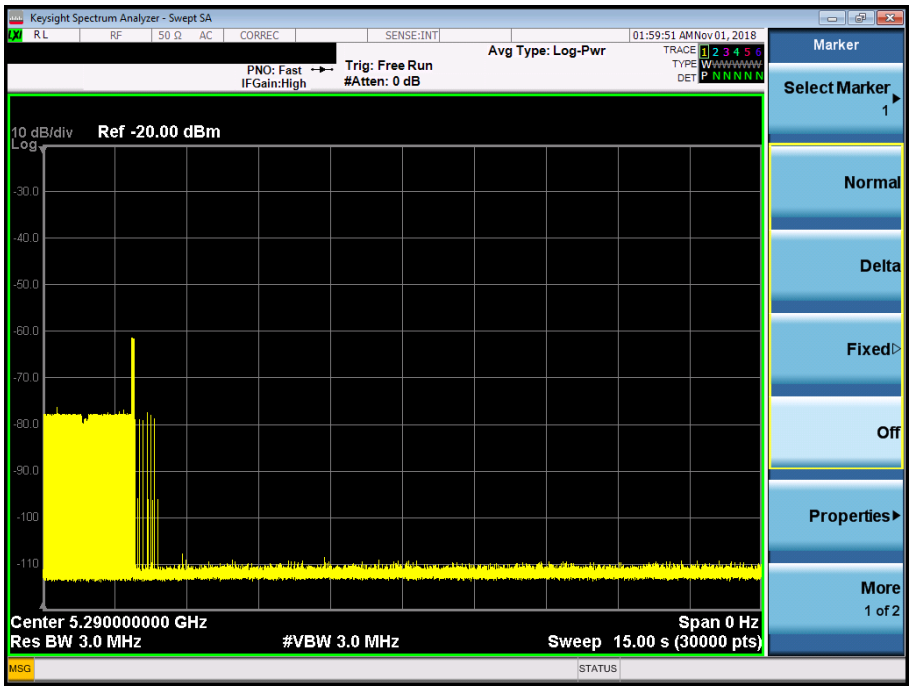


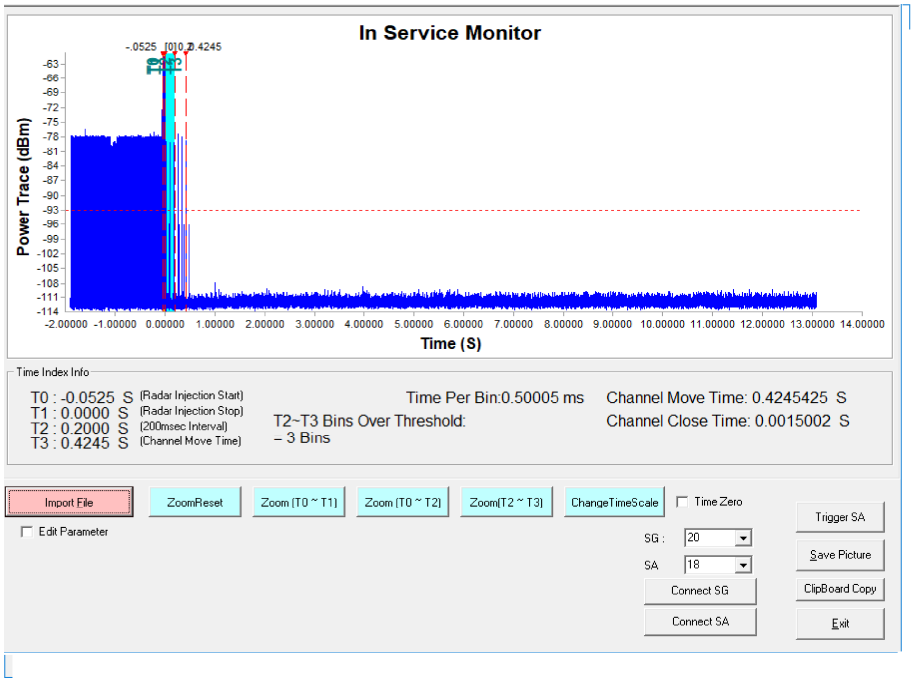
Test Data:

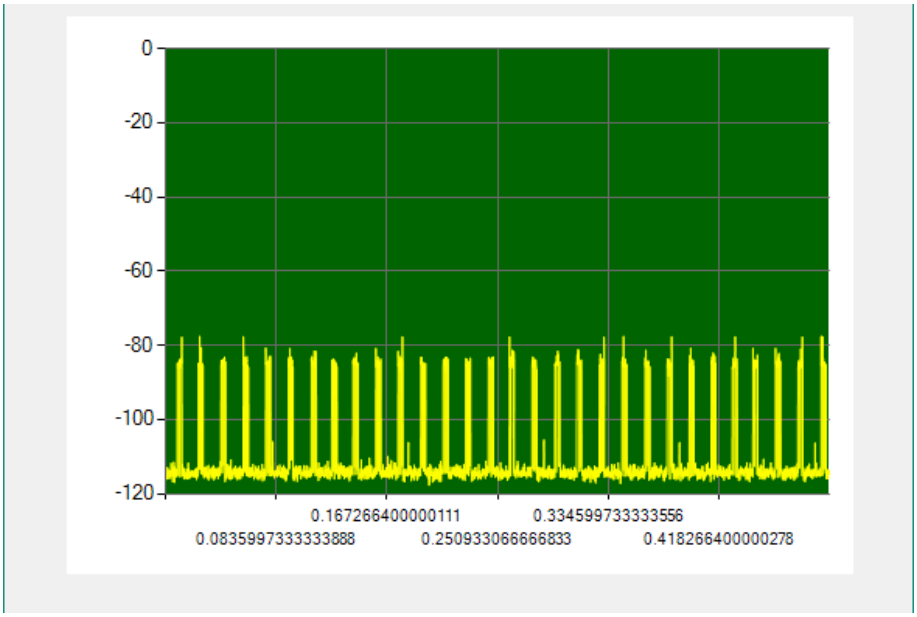
BW/Channel	Test Item	Test data	Limit	Results
80MHz 5290MHz	Non-occupancy period	Refer to test point	>30 min	pass
	Channel Move Time	0.42s	＜10 s	Pass
	Channel Closing Transmission Time	0.0015ms	＜60ms	Pass

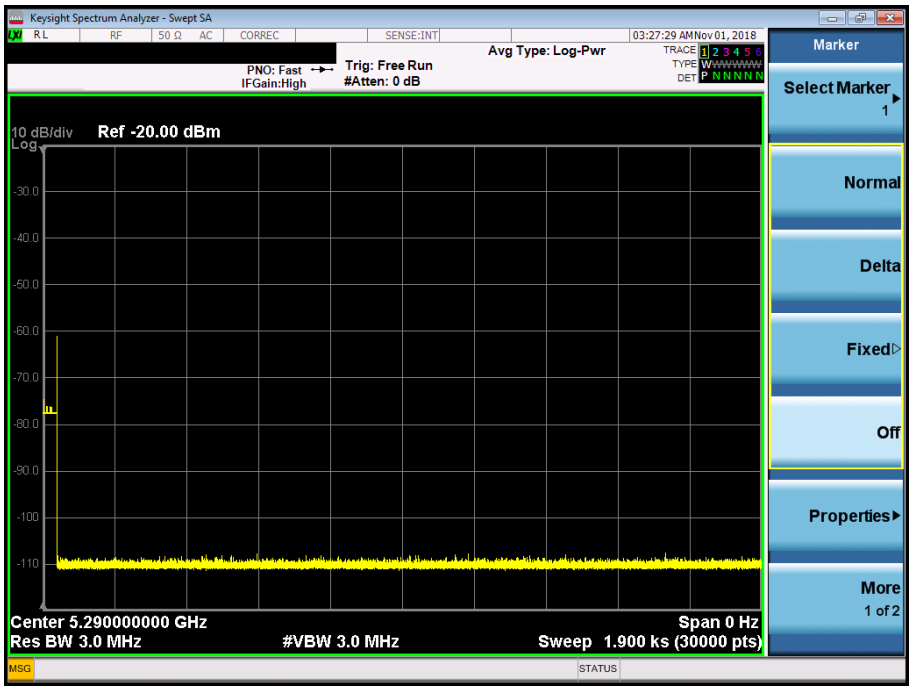
Test plots as follows:

80MHz/5290MHz









- End of the Report -