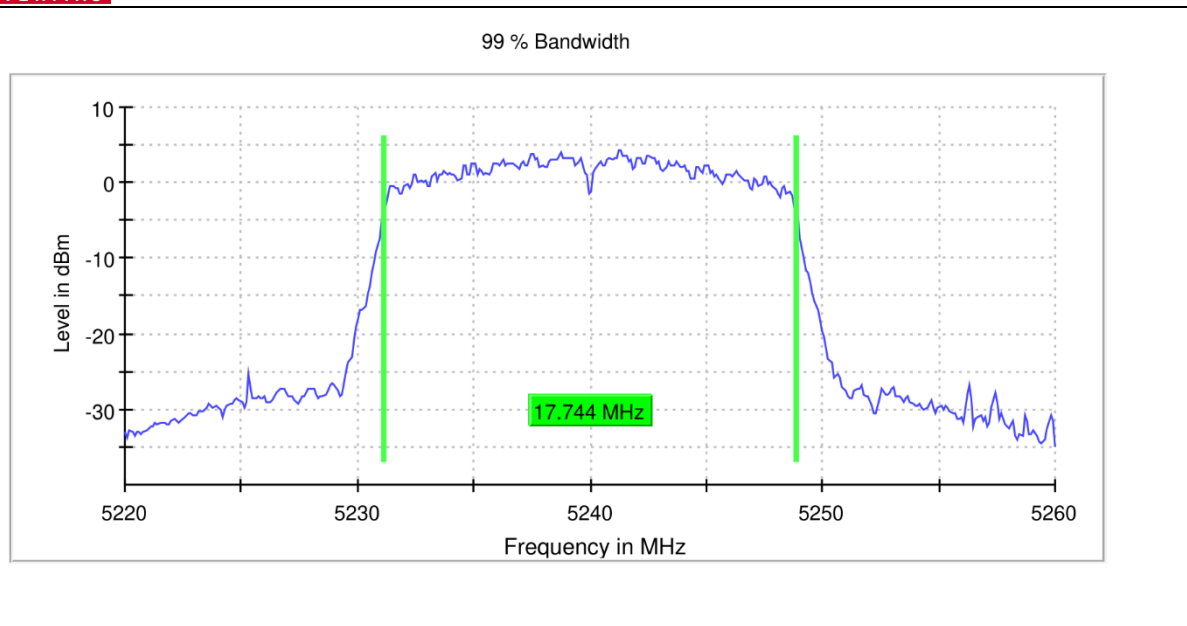
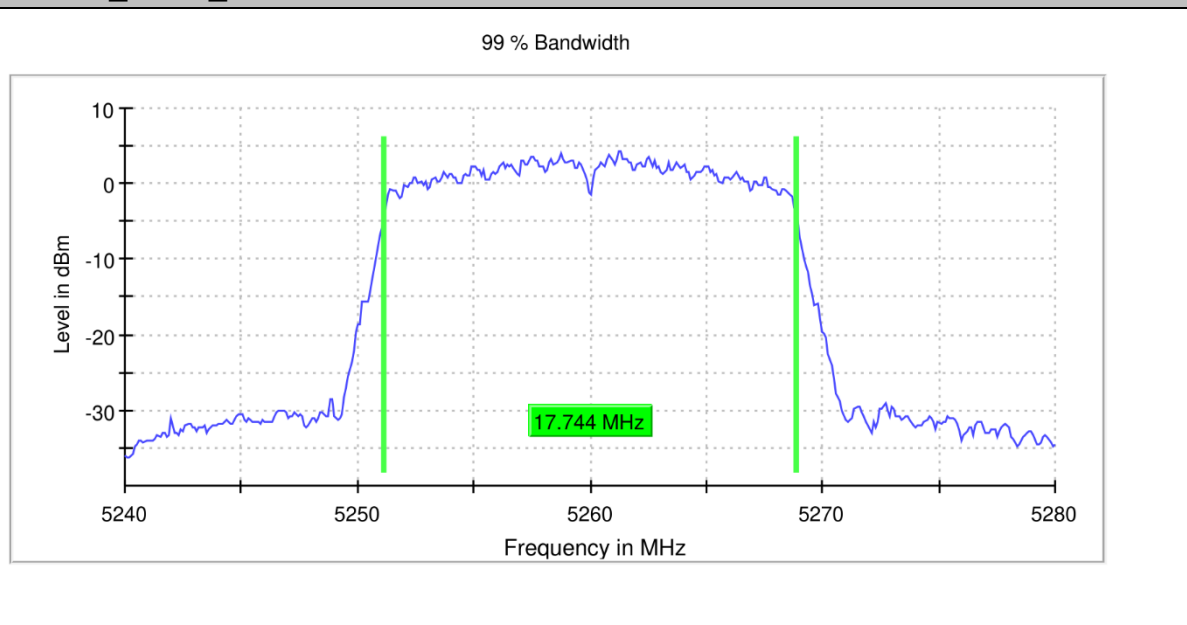




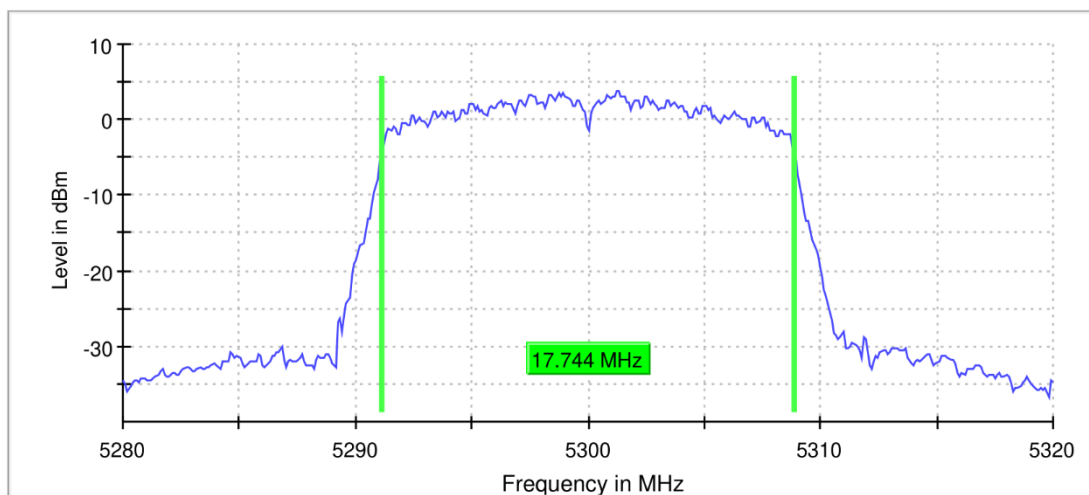
11N20_ANT4_5260



11N20_ANT4_5300

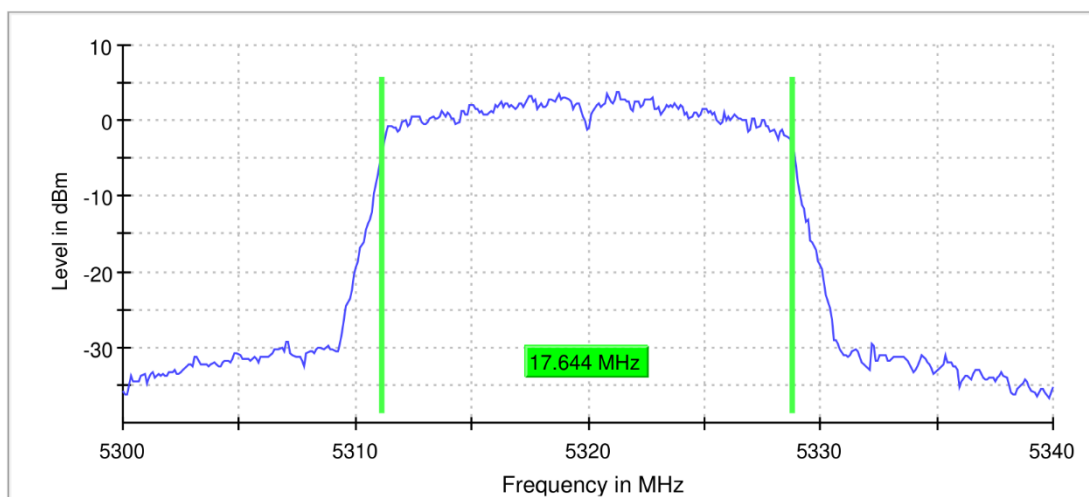


99 % Bandwidth



11N20_ANT4_5320

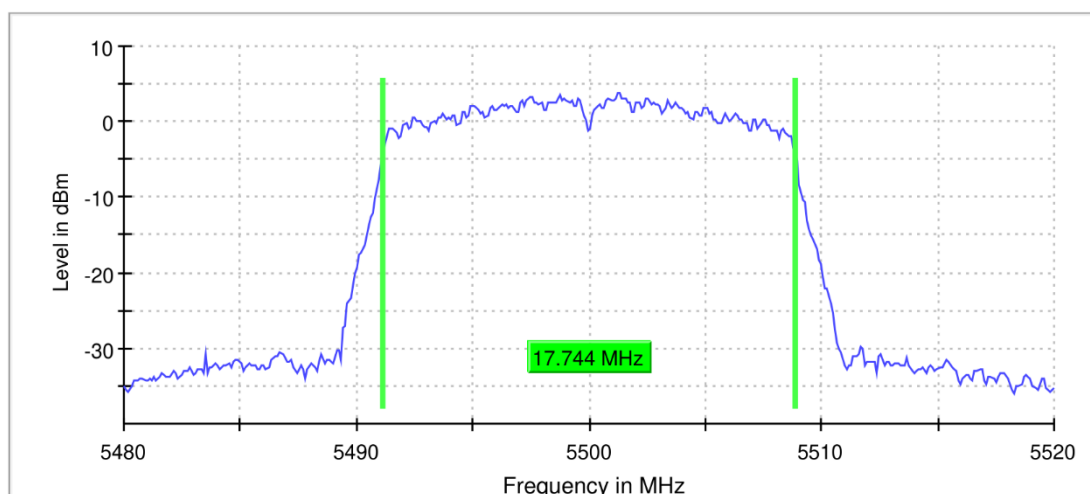
99 % Bandwidth



11N20_ANT4_5500

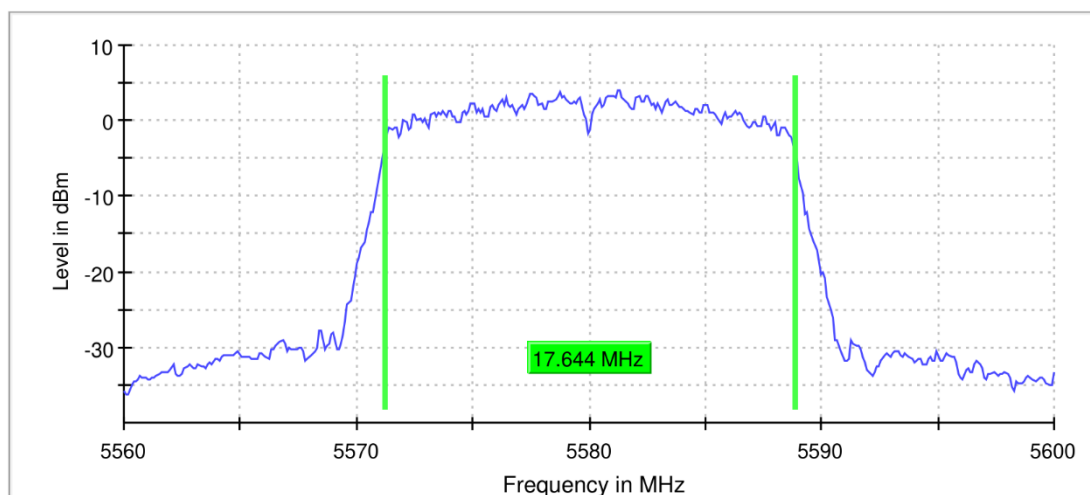


99 % Bandwidth



11N20_ANT4_5580

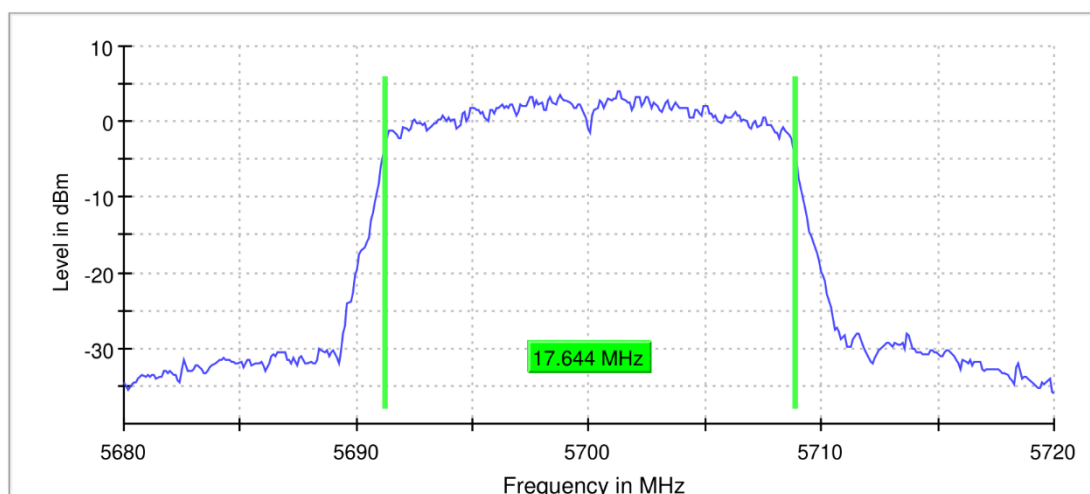
99 % Bandwidth



11N20_ANT4_5700

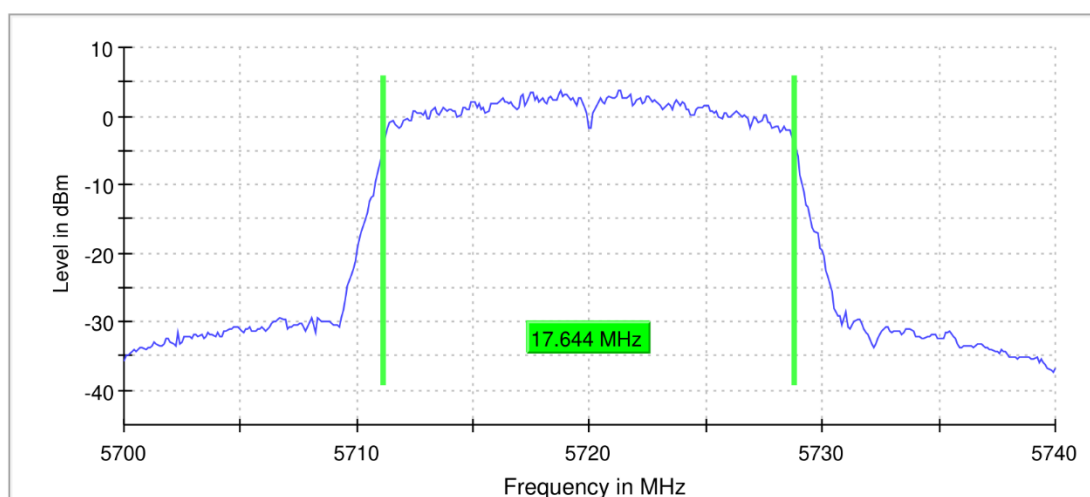


99 % Bandwidth



11N20_ANT4_5720

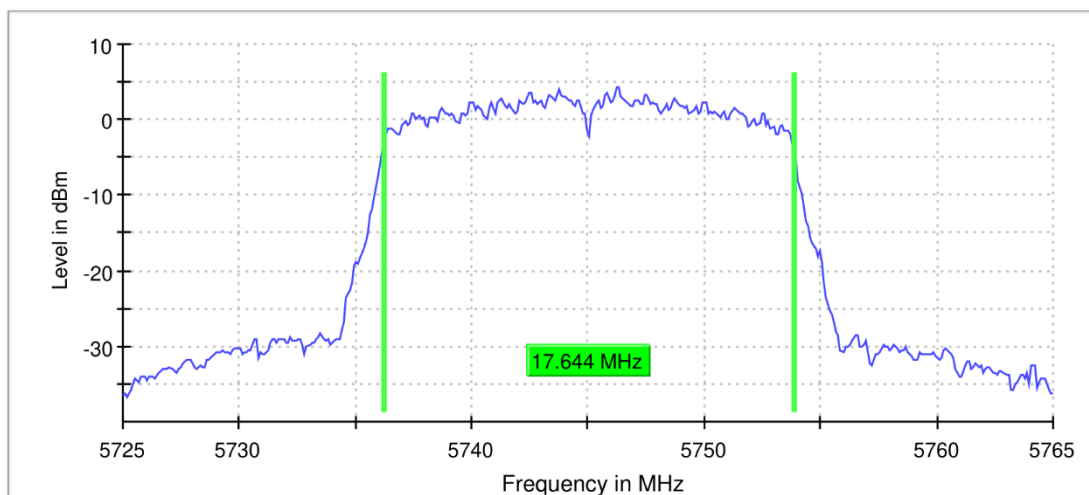
99 % Bandwidth



11N20_ANT4_5745

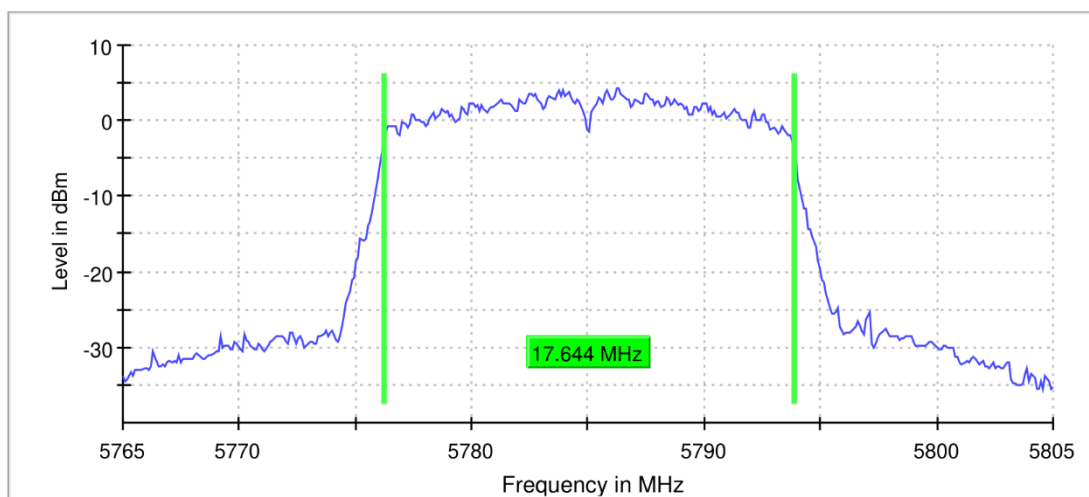


99 % Bandwidth

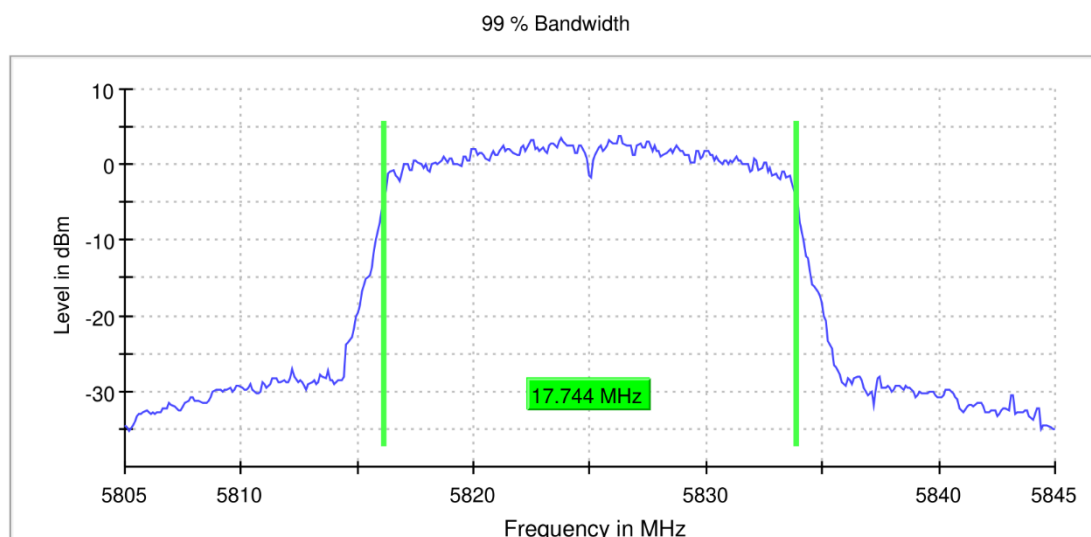


11N20_ANT4_5785

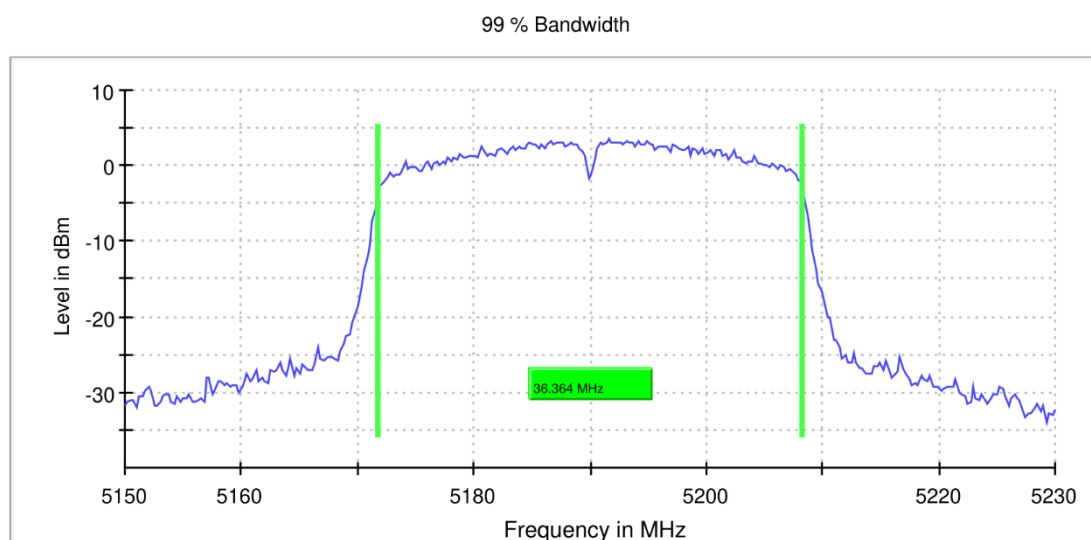
99 % Bandwidth



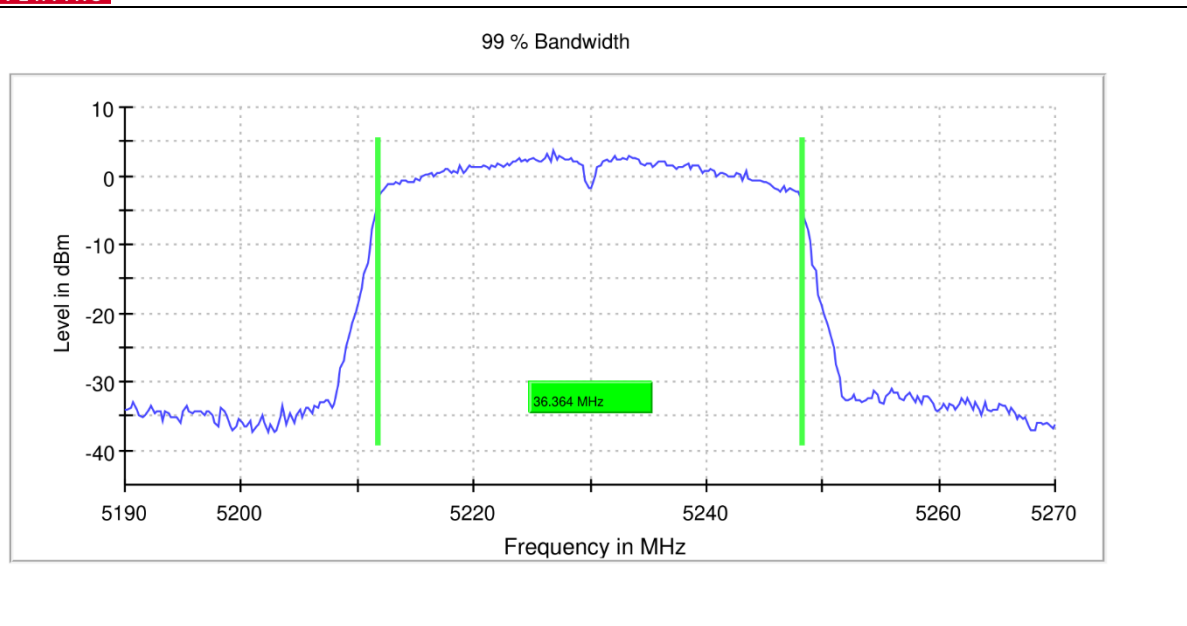
11N20_ANT4_5825



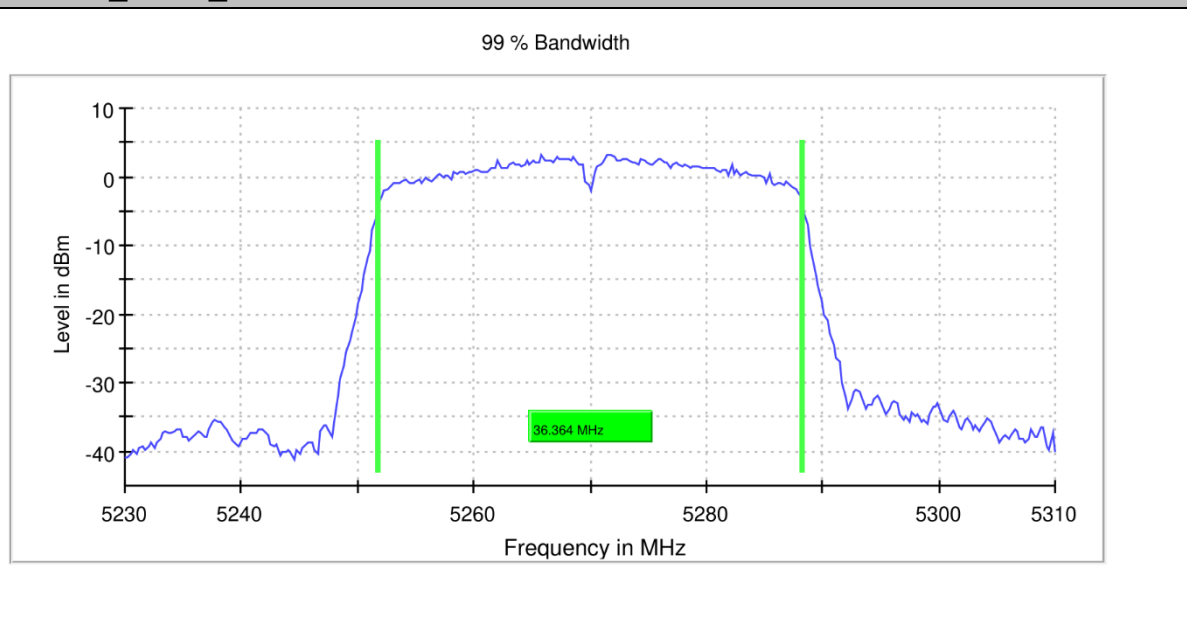
11N40_ANT4_5190



11N40_ANT4_5230



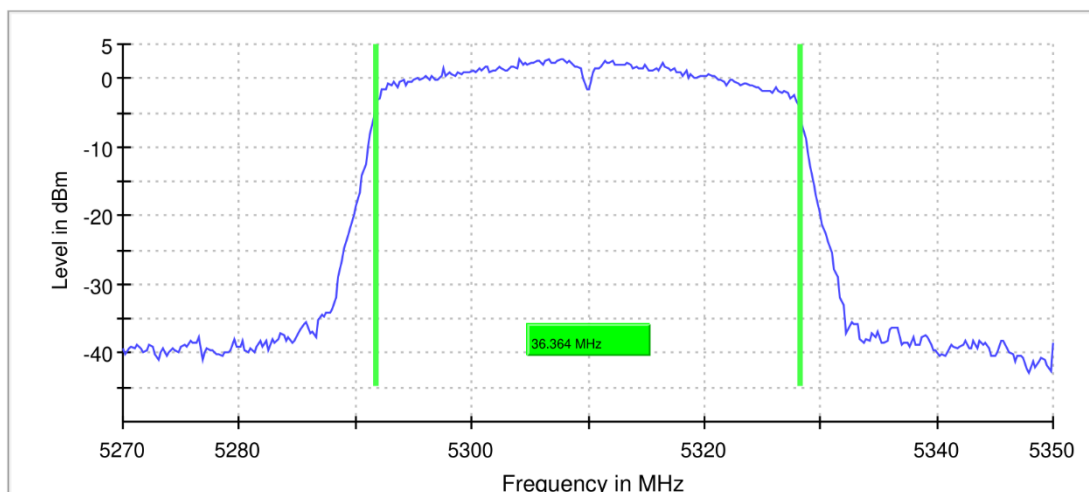
11N40_ANT4_5270



11N40_ANT4_5310

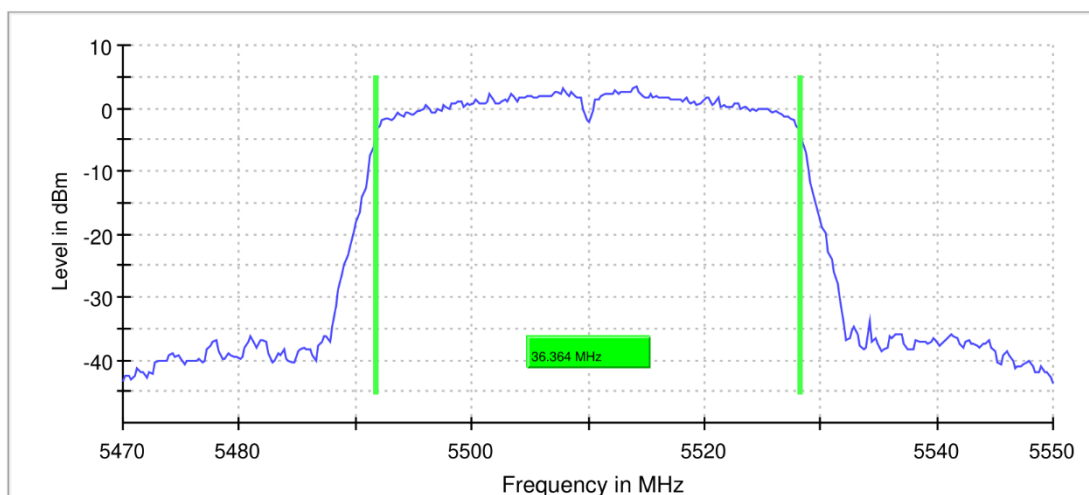


99 % Bandwidth



11N40_ANT4_5510

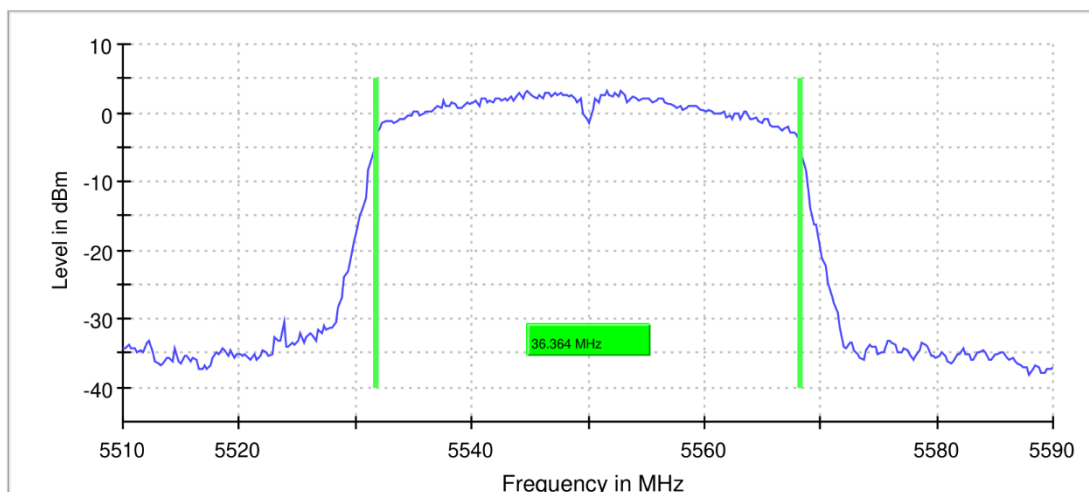
99 % Bandwidth



11N40_ANT4_5550

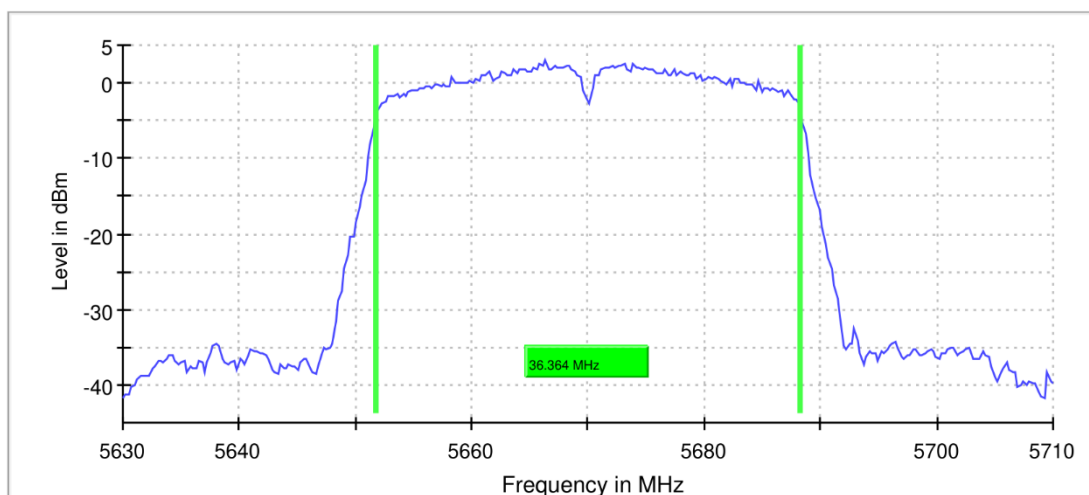


99 % Bandwidth



11N40 _ANT4_5670

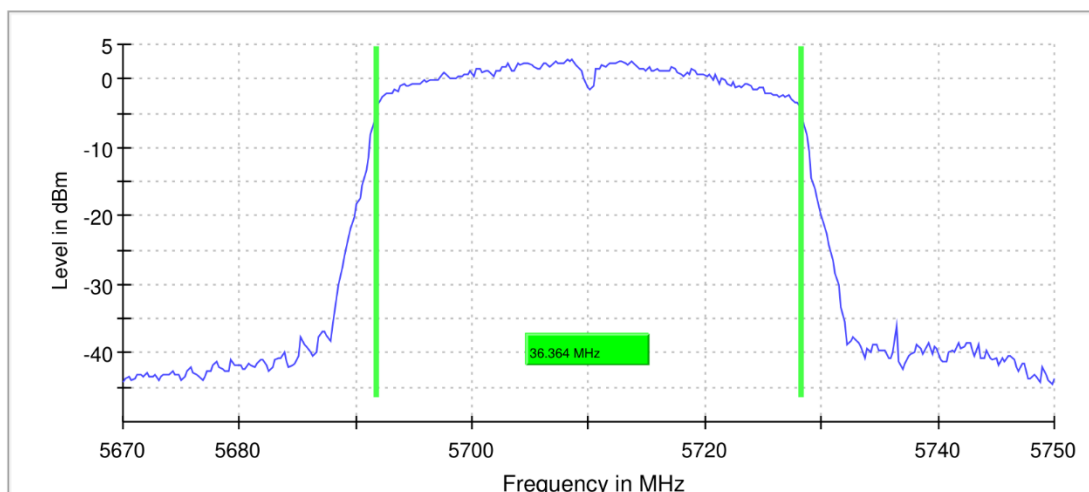
99 % Bandwidth



11N40 _ANT4_5710

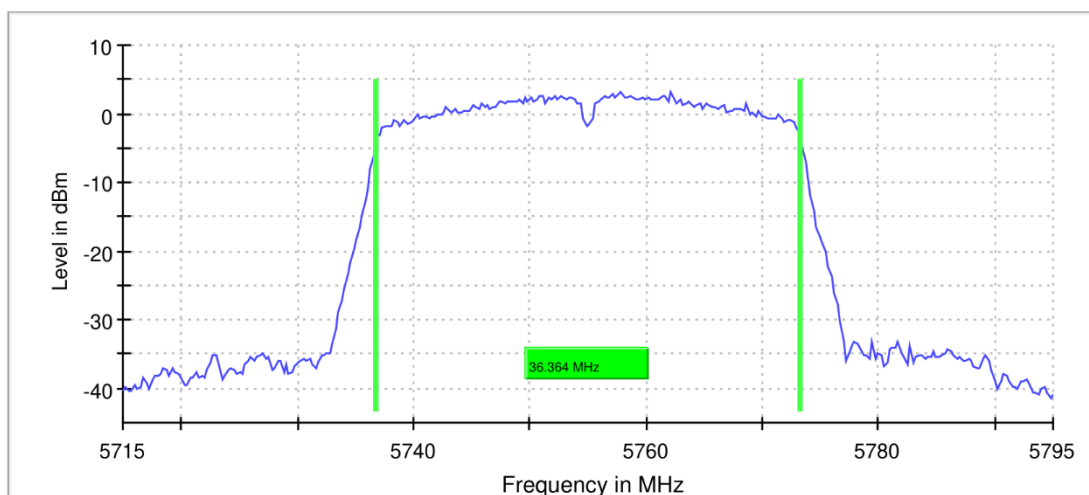


99 % Bandwidth



11N40_ANT4_5755

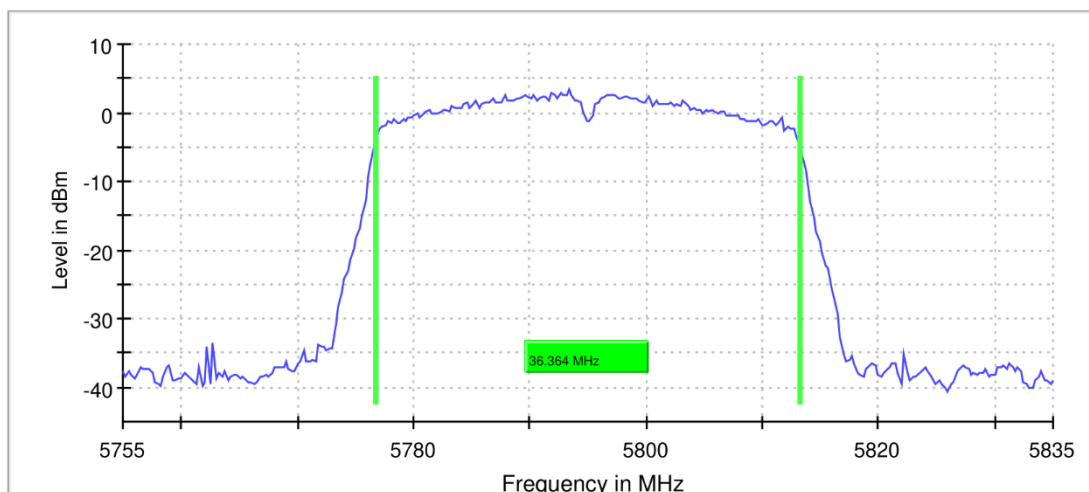
99 % Bandwidth



11N40_ANT4_5795

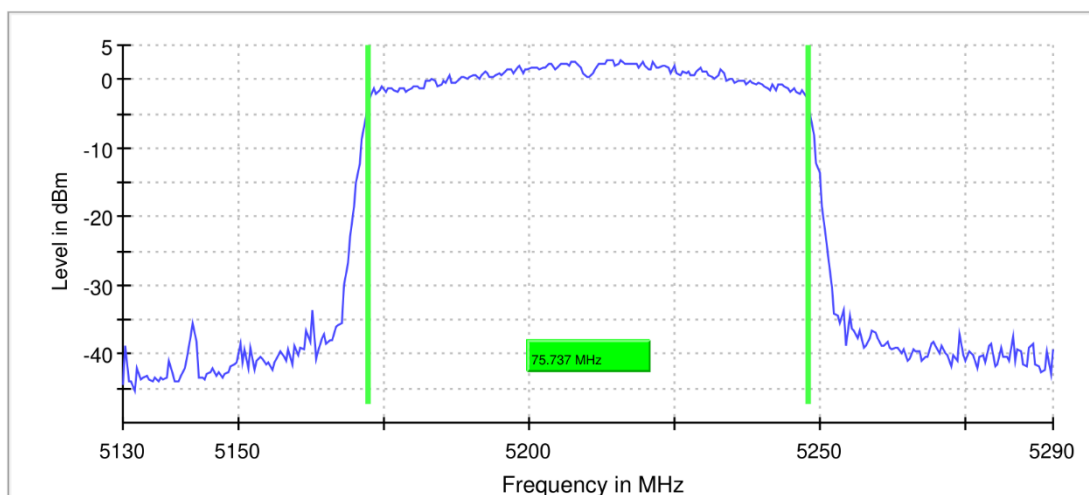


99 % Bandwidth



11AC80_ANT4_5210

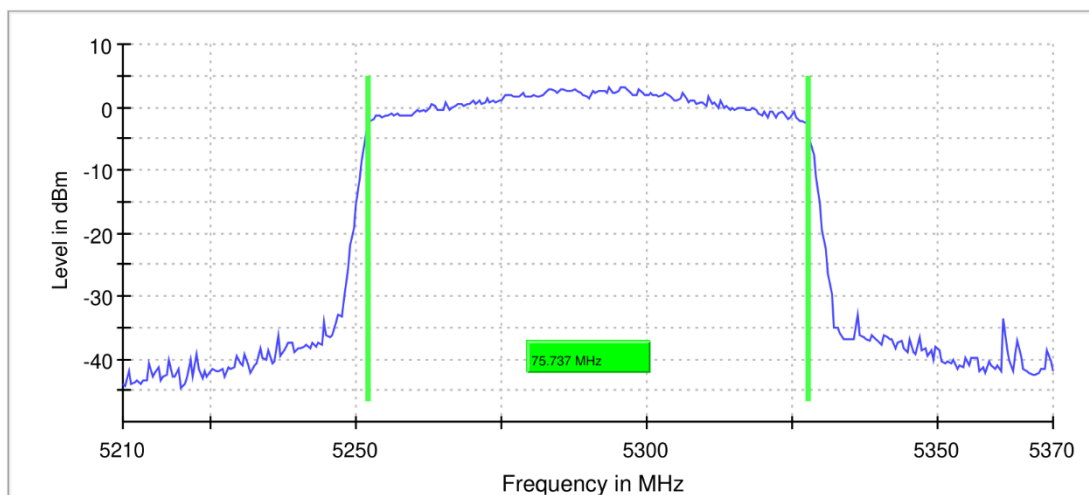
99 % Bandwidth



11AC80_ANT4_5290

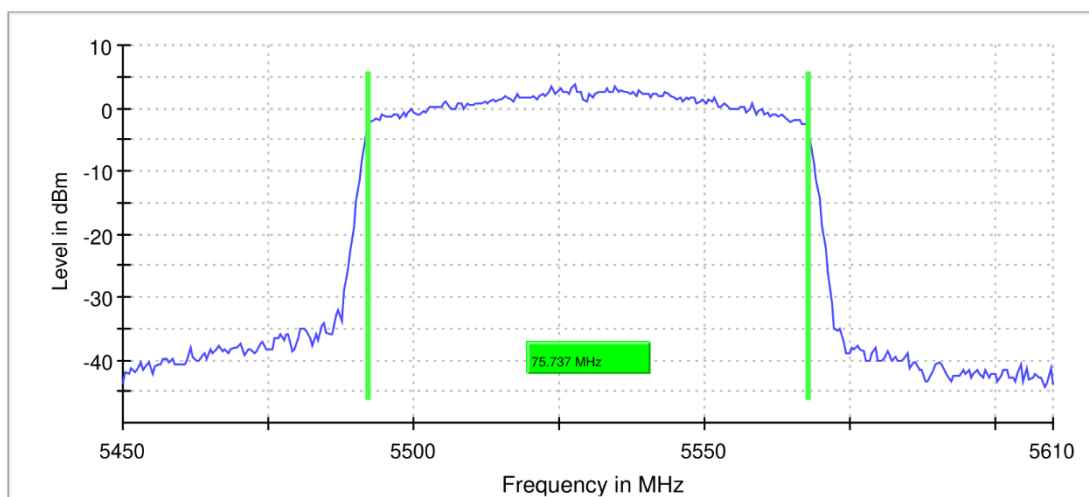


99 % Bandwidth



11AC80_ANT4_5530

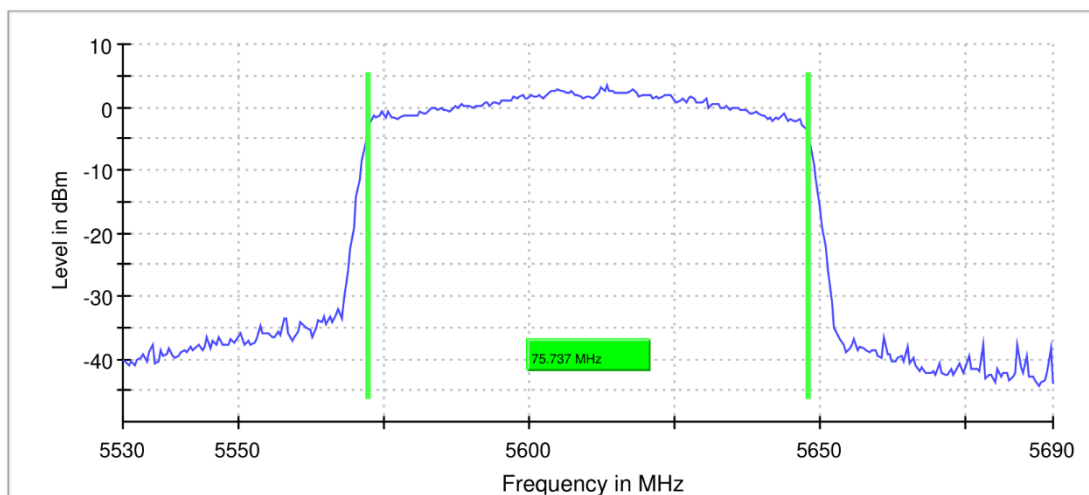
99 % Bandwidth



11AC80_ANT4_5610

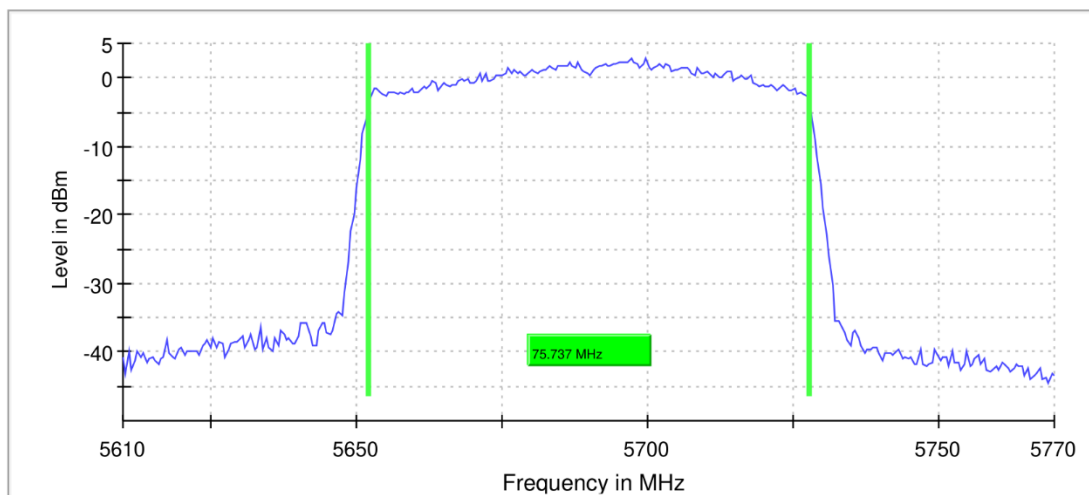


99 % Bandwidth

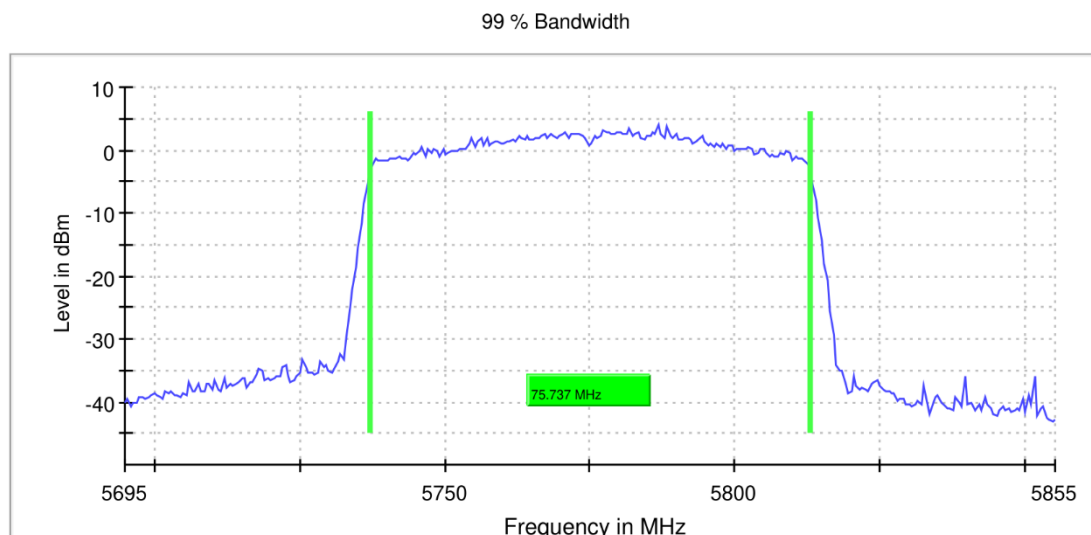


11AC80_ANT4_5690

99 % Bandwidth



11AC80_ANT4_5775



20M
 RBW 200.000 kHz
 VBW 1.000 MHz
 40M
 RBW 500.000 kHz
 VBW 2.000 MHz
 80M
 RBW 1.000 MHz
 VBW 3.000 MHz

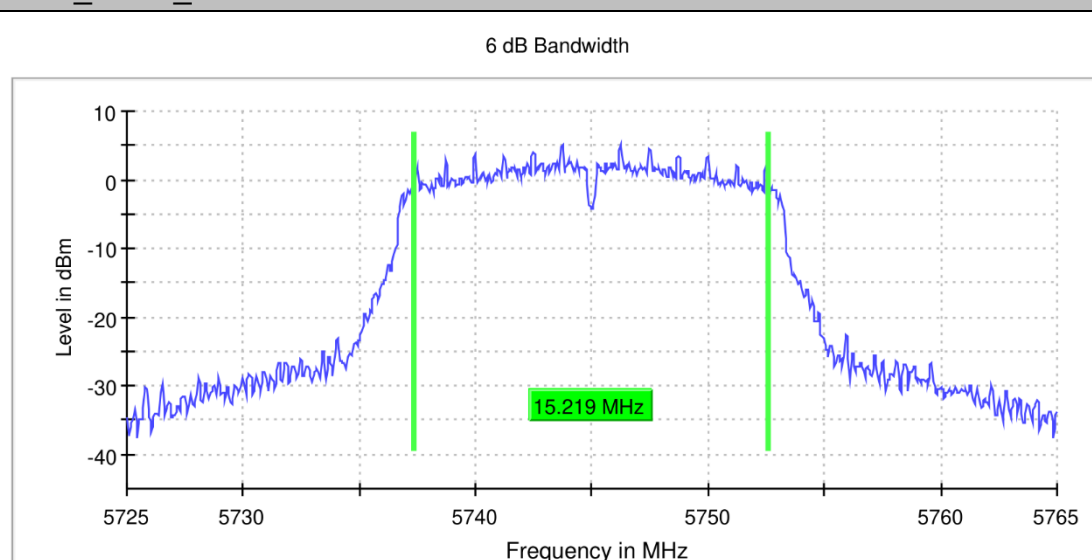
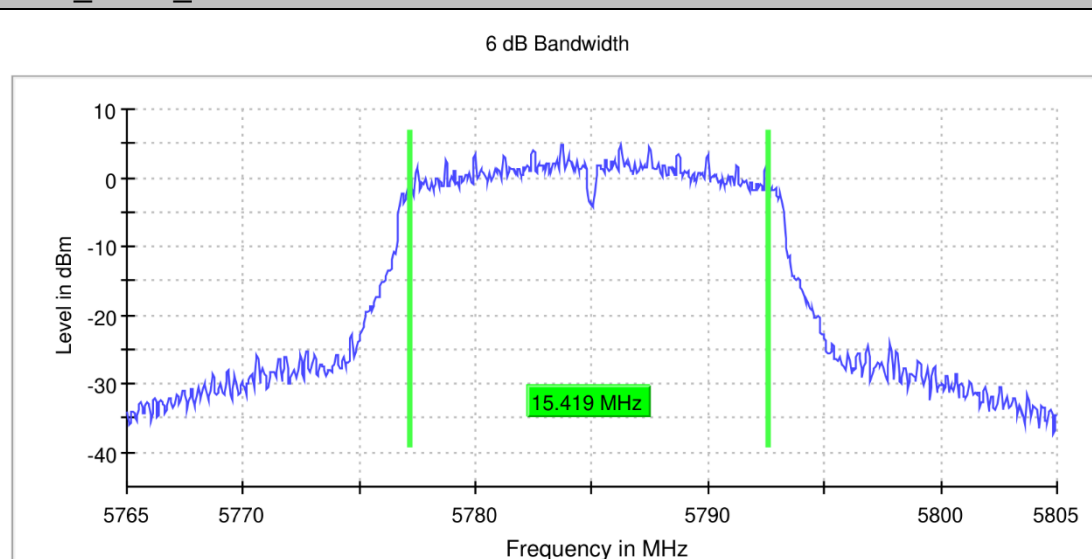
MIN EMISSION BANDWIDTH

TEST RESULT B4

TestMode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	ANT4	5745	15.219	5737.365	5752.584	0.5	PASS
	ANT4	5785	15.419	5777.165	5792.584	0.5	PASS
	ANT4	5825	15.419	5817.165	5832.584	0.5	PASS
11N20	ANT4	5745	15.219	5737.365	5752.584	0.5	PASS
	ANT4	5785	15.219	5777.365	5792.584	0.5	PASS
	ANT4	5825	15.219	5817.365	5832.584	0.5	PASS

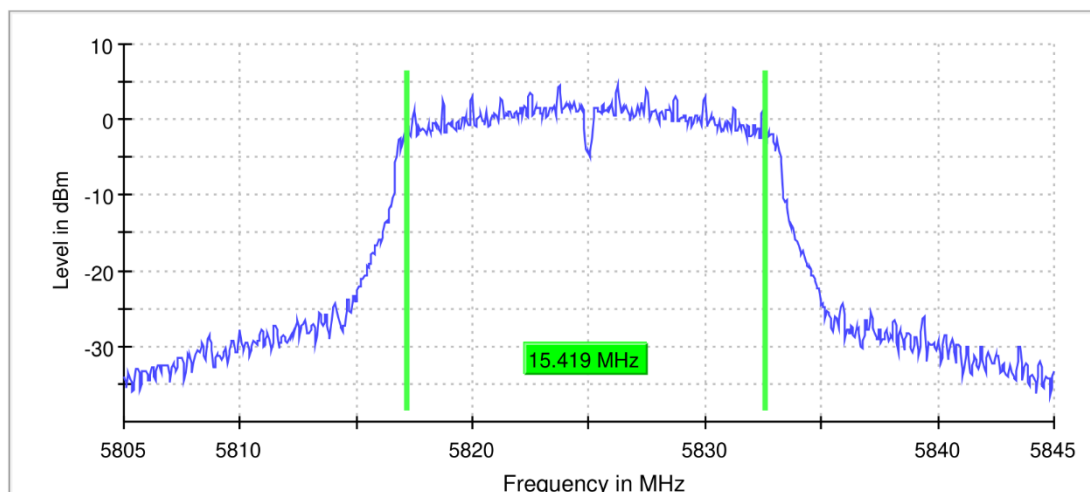


11N40	ANT4	5755	35.222	5737.414	5772.636	0.5	PASS
	ANT4	5795	35.172	5777.414	5812.586	0.5	PASS
11AC80	ANT4	5775	75.224	5737.413	5812.637	0.5	PASS

TEST GRAPHS B4**11A_ANT4_5745****11A_ANT4_5785****11A_ANT4_5825**

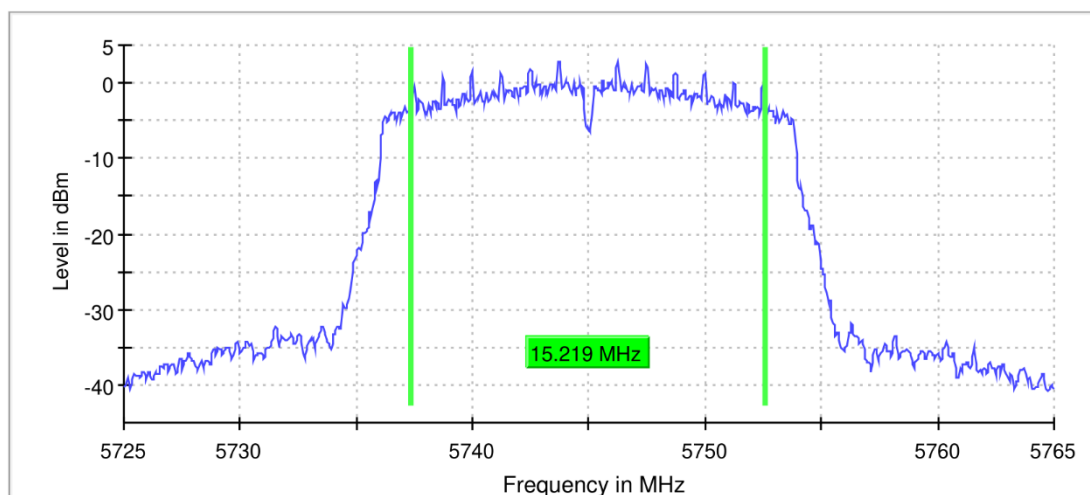


6 dB Bandwidth



11N20_ANT4_5745

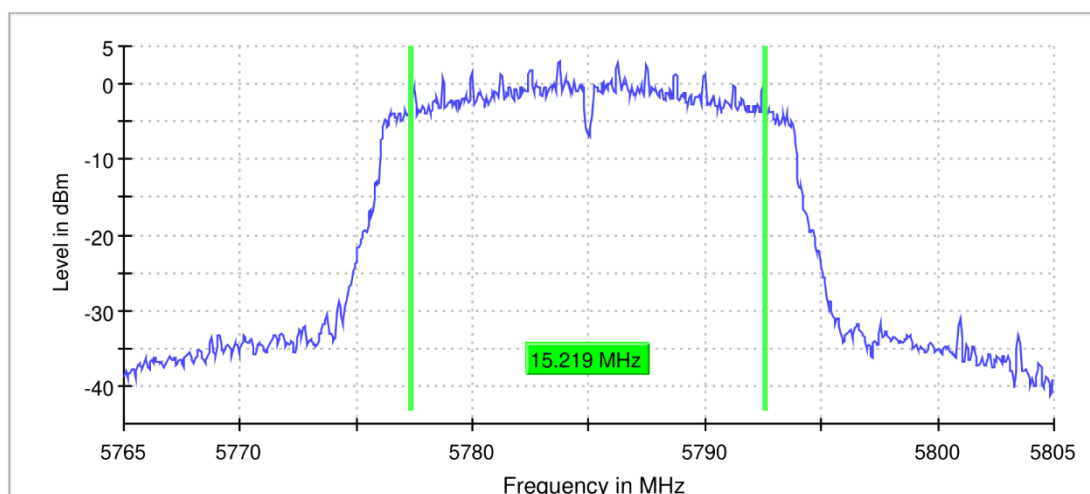
6 dB Bandwidth



11N20_ANT4_5785

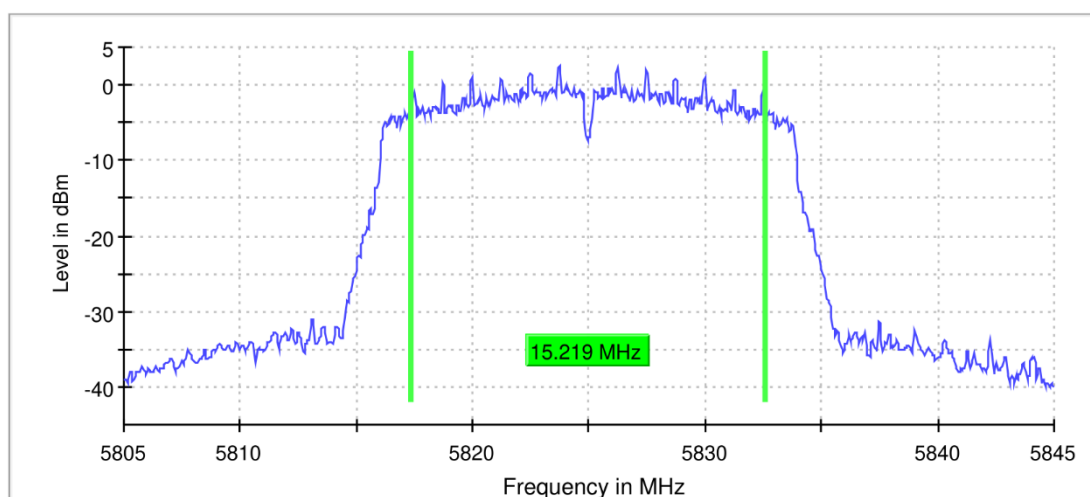


6 dB Bandwidth



11N20_Ant1_5825

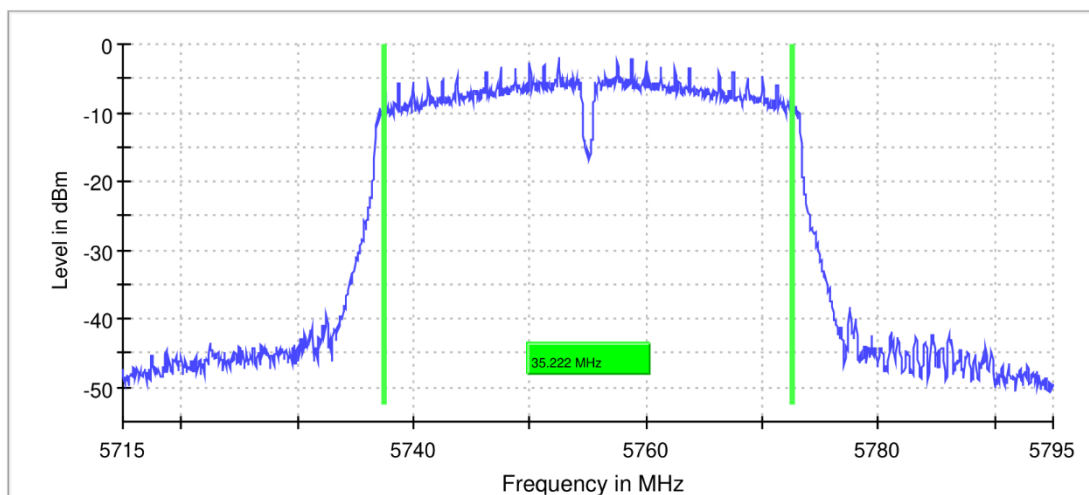
6 dB Bandwidth



11N40_ANT4_5755

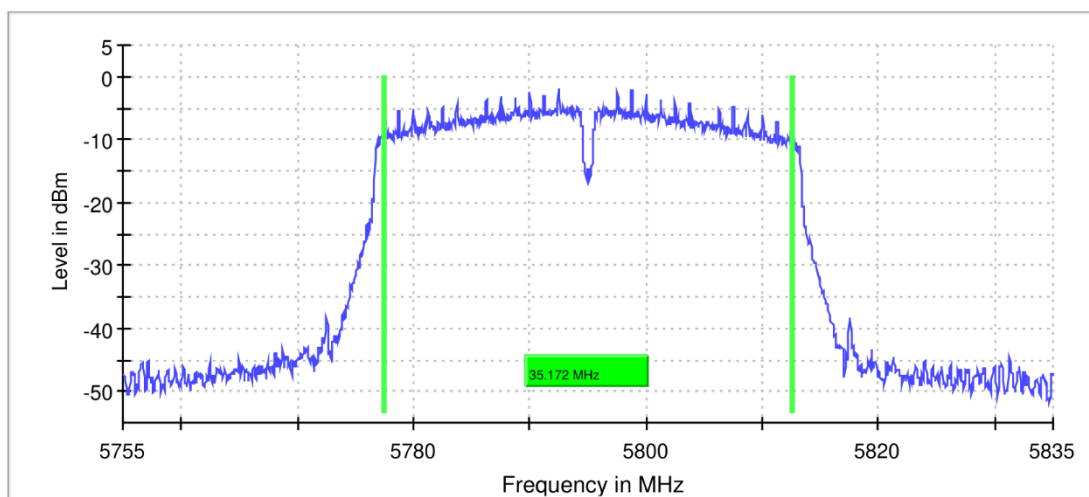


6 dB Bandwidth

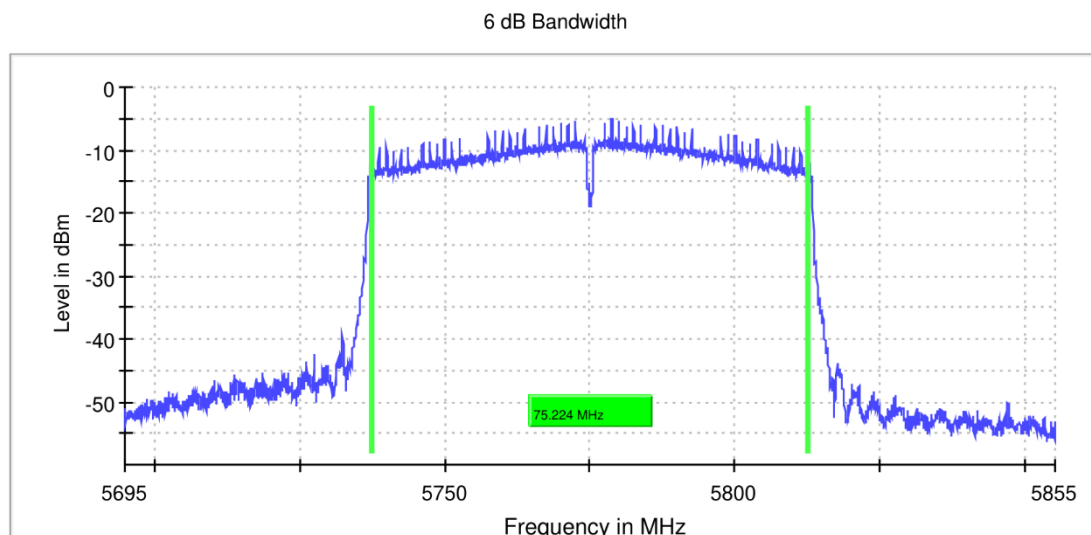


11N40_ANT4_5795

6 dB Bandwidth



11AC80_ANT4_5775



20M

RBW 100.000 kHz

VBW 300.000 kHz

40M

RBW 100.000 kHz

VBW 300.000 kHz

80M

RBW 100.000 kHz

VBW 300.000 kHz

DUTY CYCLE

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	dutycycle factor
11A	ANT4	5180	1.3900	1.4400	96.53%	0.15
	ANT4	5745	1.3815	1.4355	96.24%	0.17
11N20SISO	ANT4	5180	1.3000	1.3450	96.65%	0.15
	ANT4	5745	1.2945	1.3470	96.10%	0.17
11AC20SISO	ANT4	5180	1.3080	1.3560	96.46%	0.16
	ANT4	5745	1.3125	1.3590	96.58%	0.15

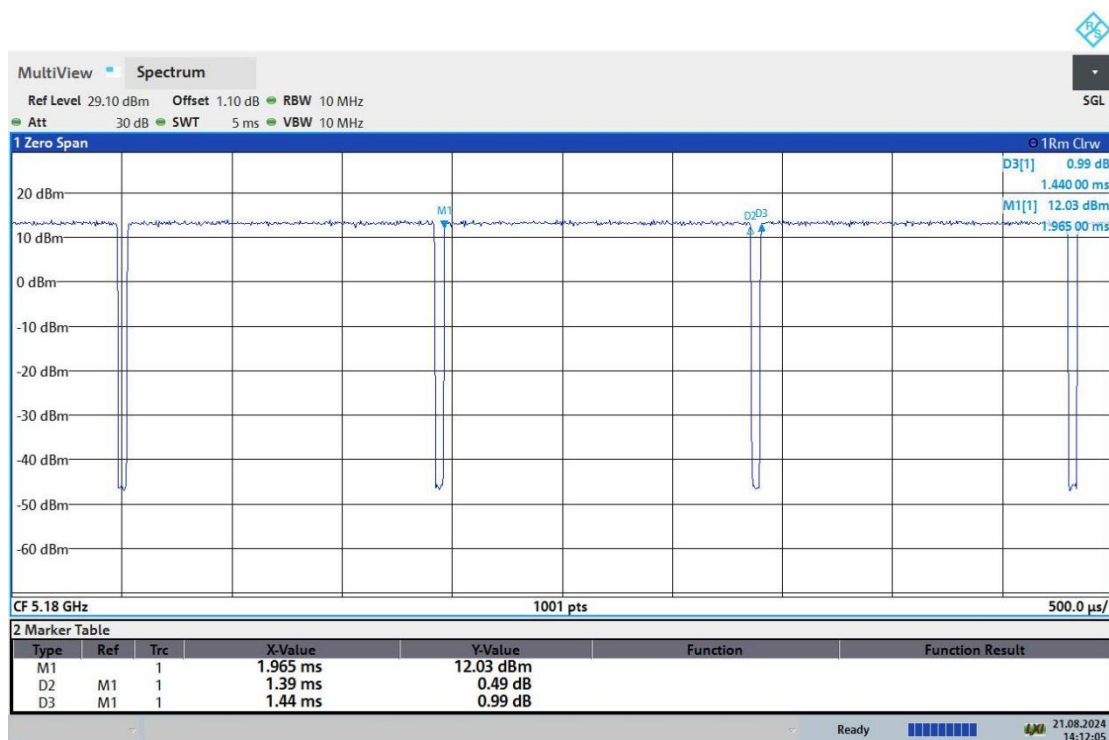


BUREAU VERITAS Test Report No.: PSU-NQN2407300216RF10

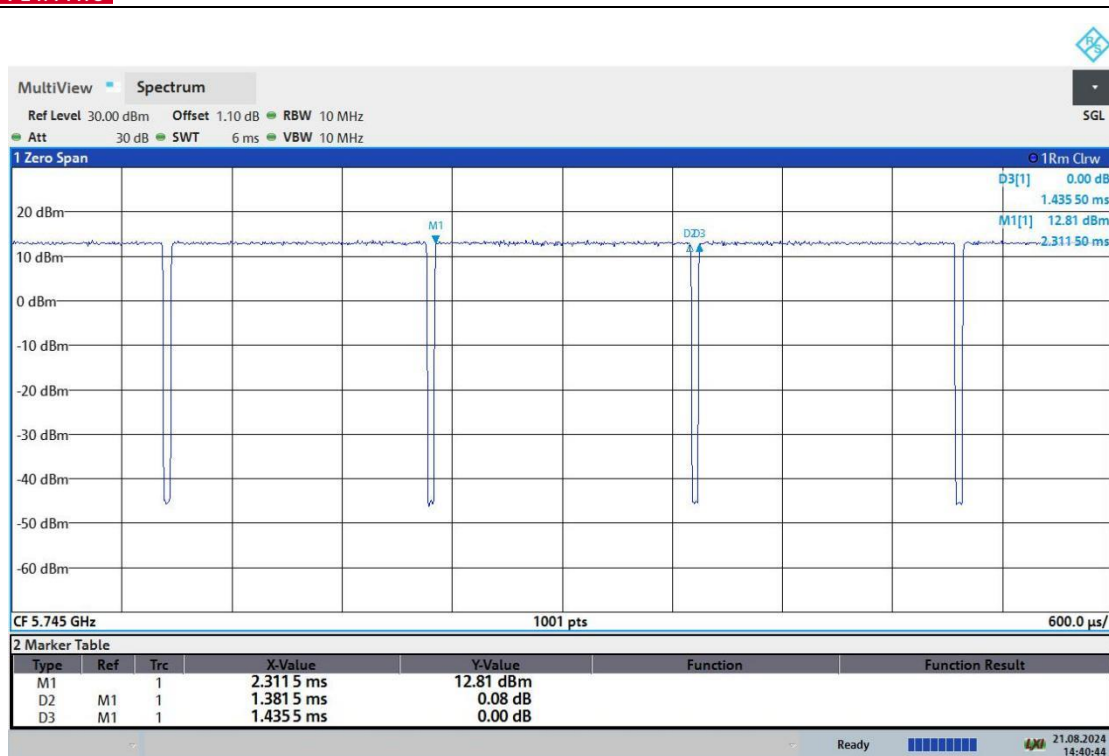
11N40SISO	ANT4	5190	0.6480	0.6930	93.51%	0.29
	ANT4	5755	0.6435	0.6915	93.06%	0.31
11AC40SISO	ANT4	5190	0.6480	0.6960	93.10%	0.31
	ANT4	5755	0.6465	0.6930	93.29%	0.3
11AC80SISO	ANT4	5210	0.3225	0.3690	87.40%	0.58
	ANT4	5775	0.3225	0.3690	87.40%	0.58

TEST GRAPHS

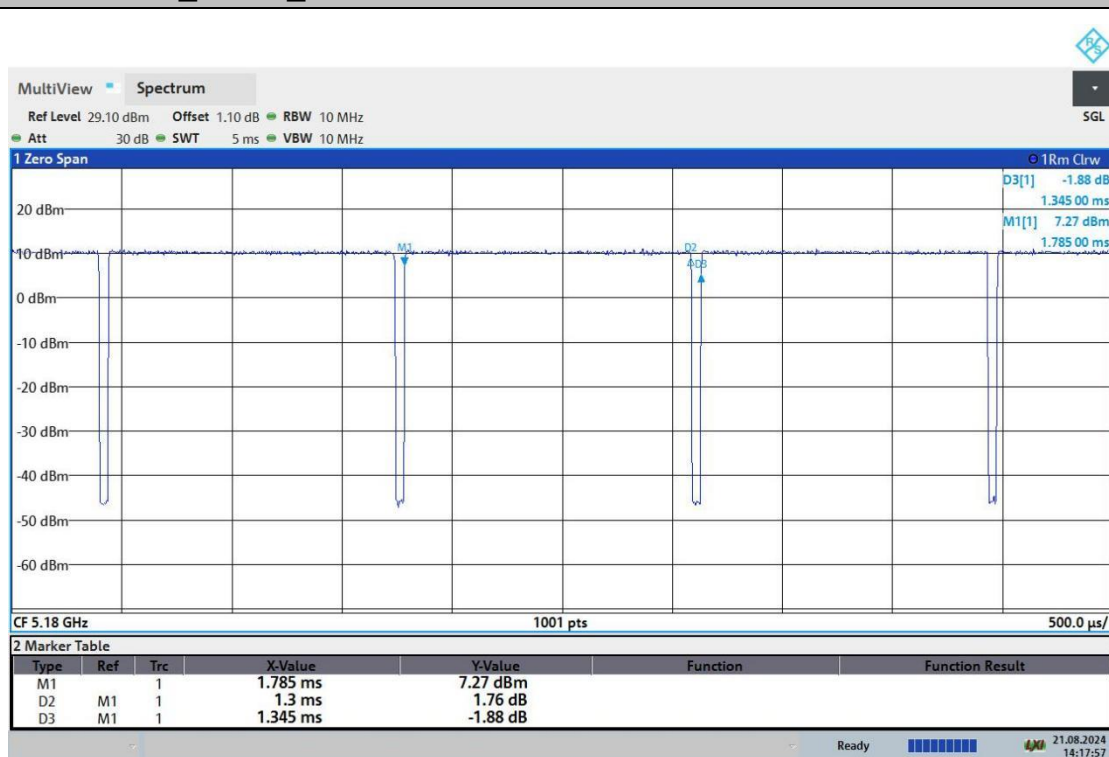
11A_ANT4_5180



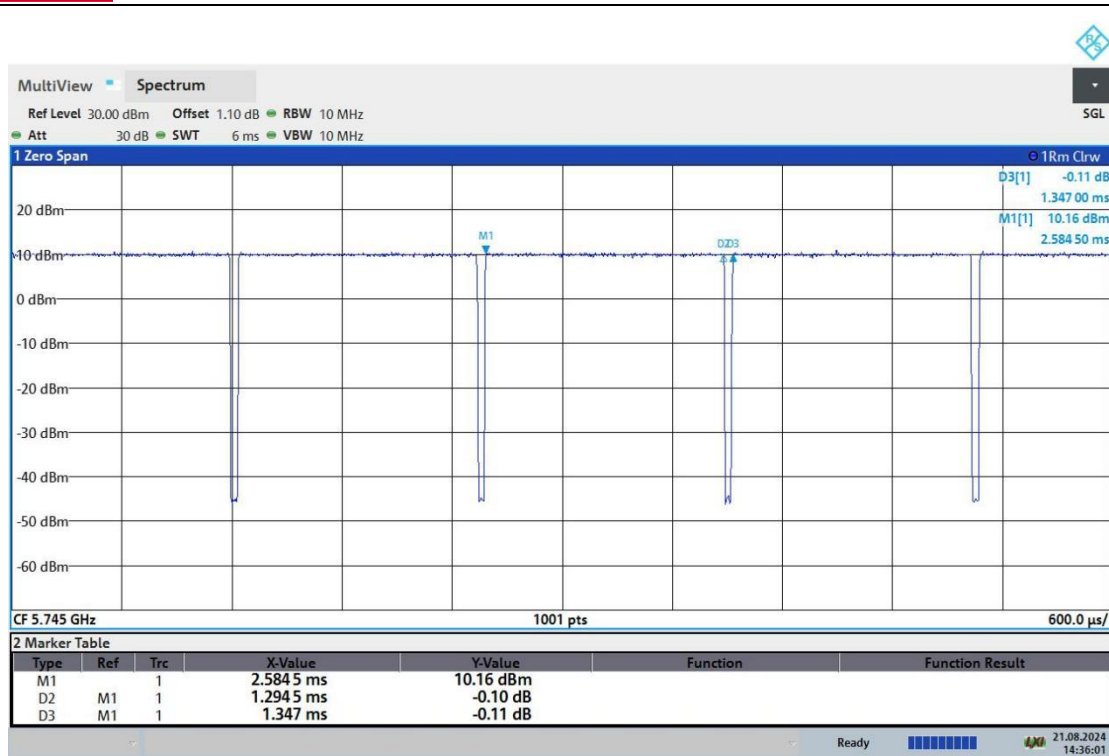
Band4-11A_ANT4_5745



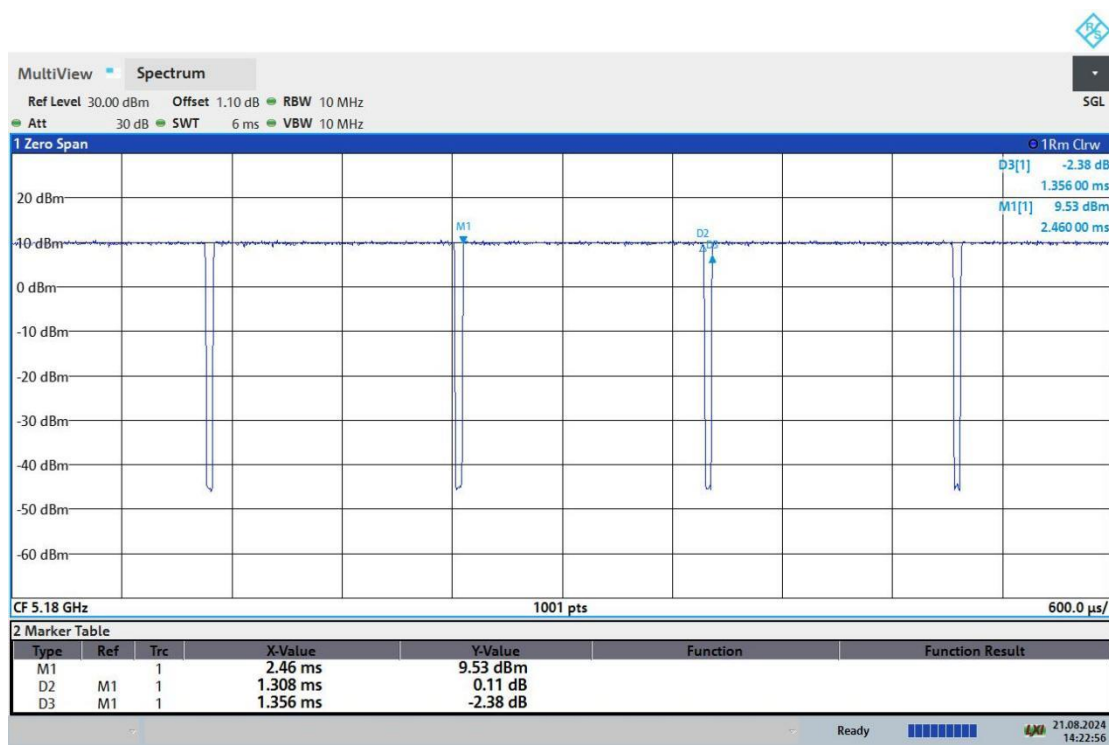
11N20SISO_ANT4_5180



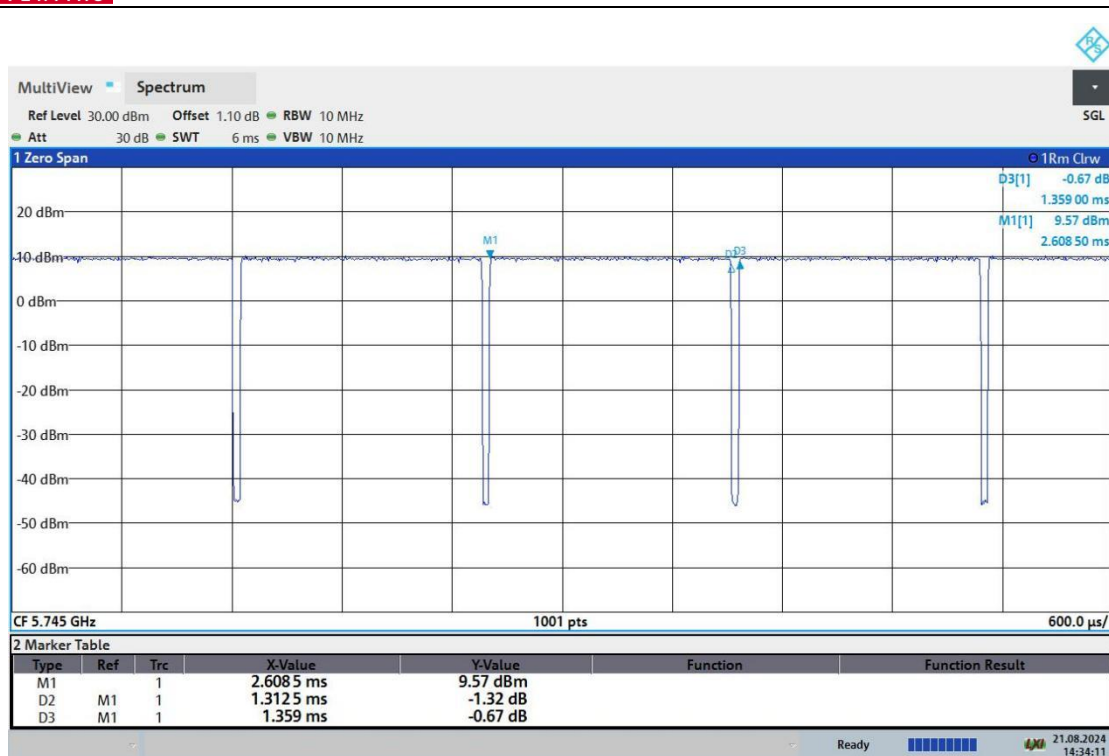
Band4-11N20SISO_ANT4_5745



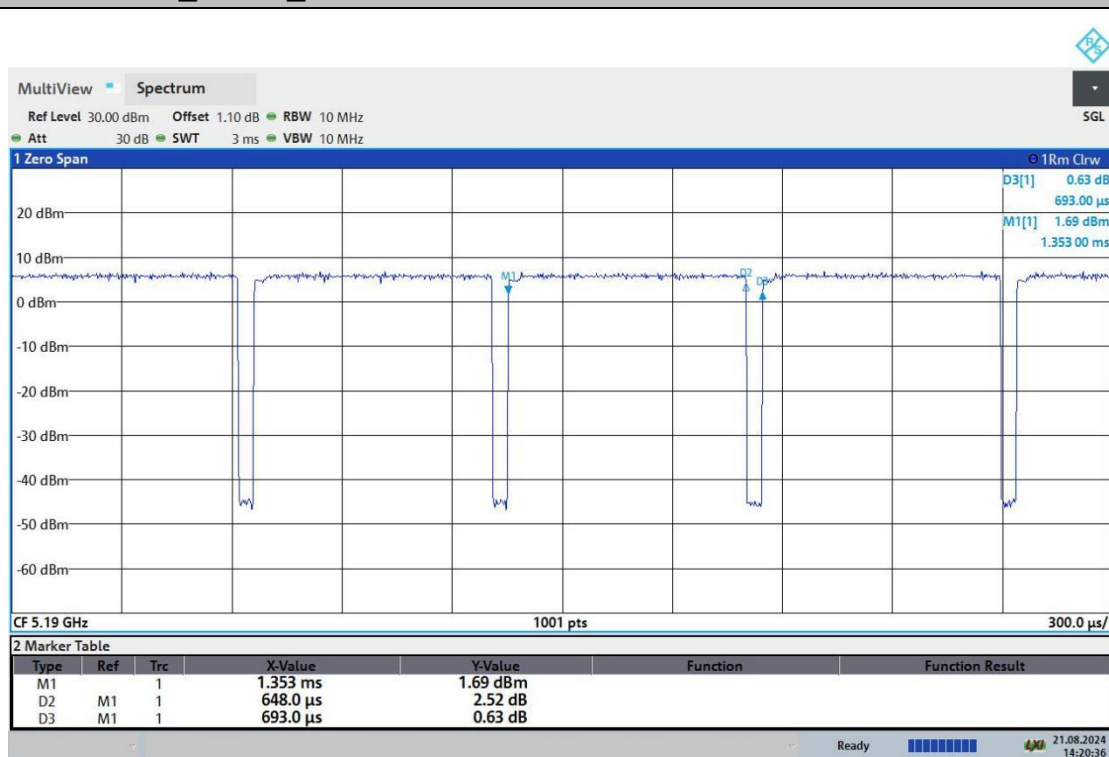
11AC20SISO_ANT4_5180



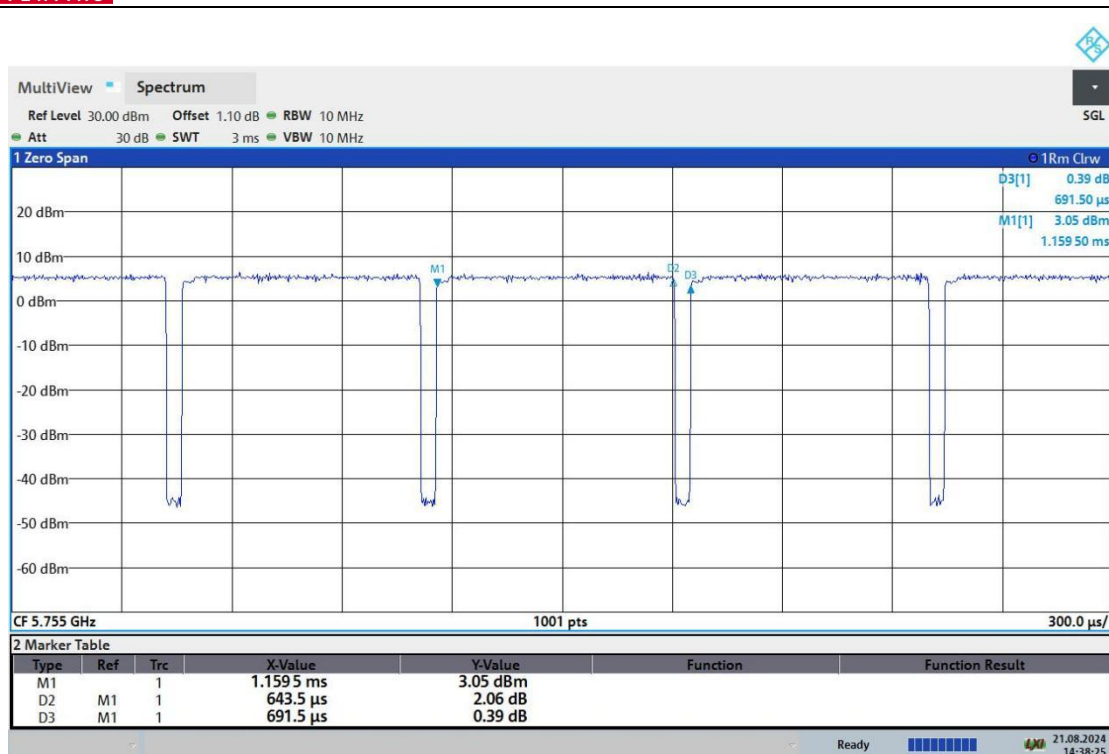
Band4-11AC20SISO_ANT4_5745



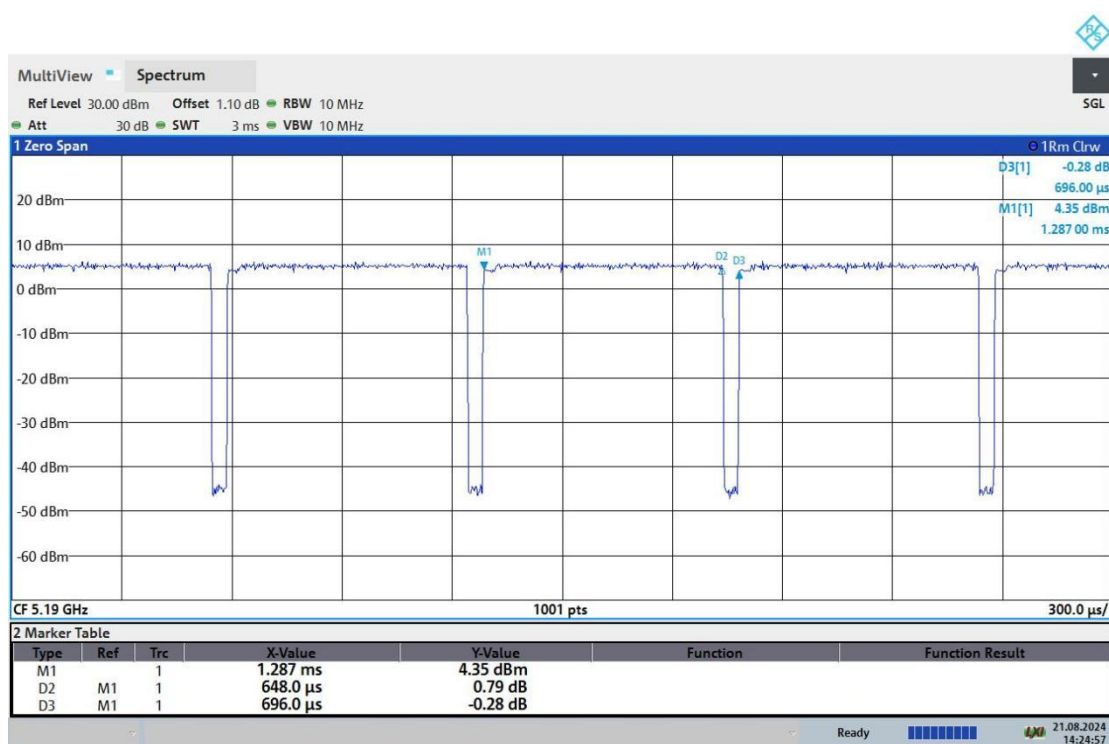
11N40SISO_ANT4_5190



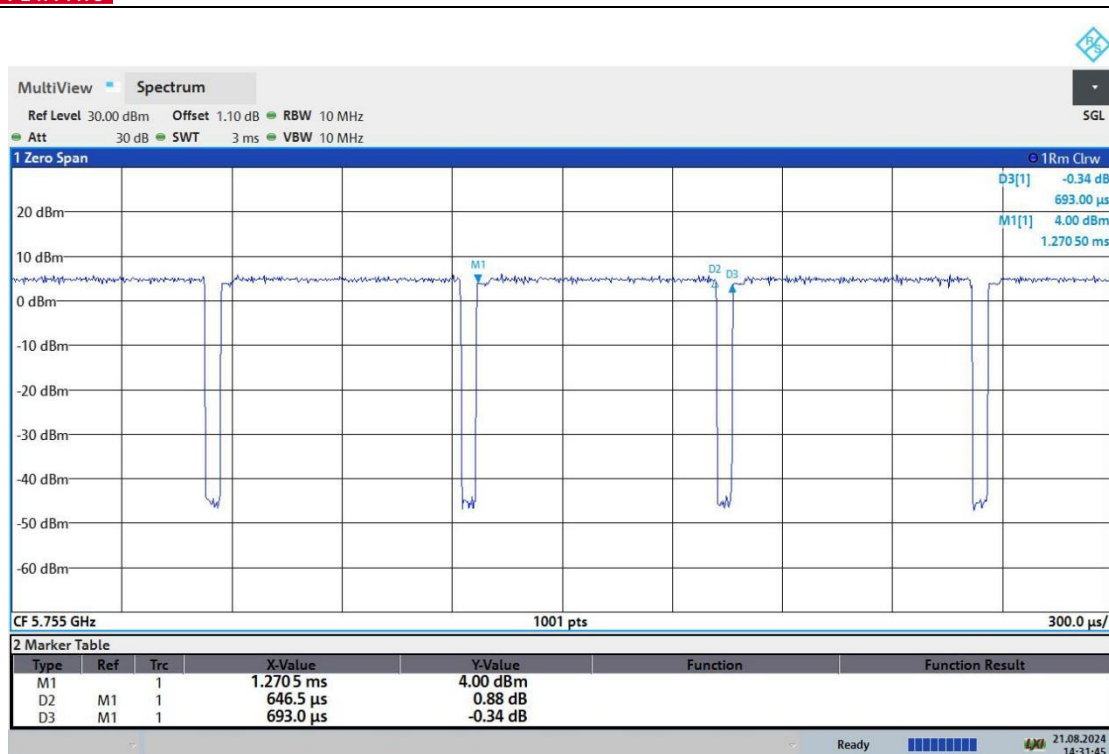
Band4-11N40SISO_ANT4_5755



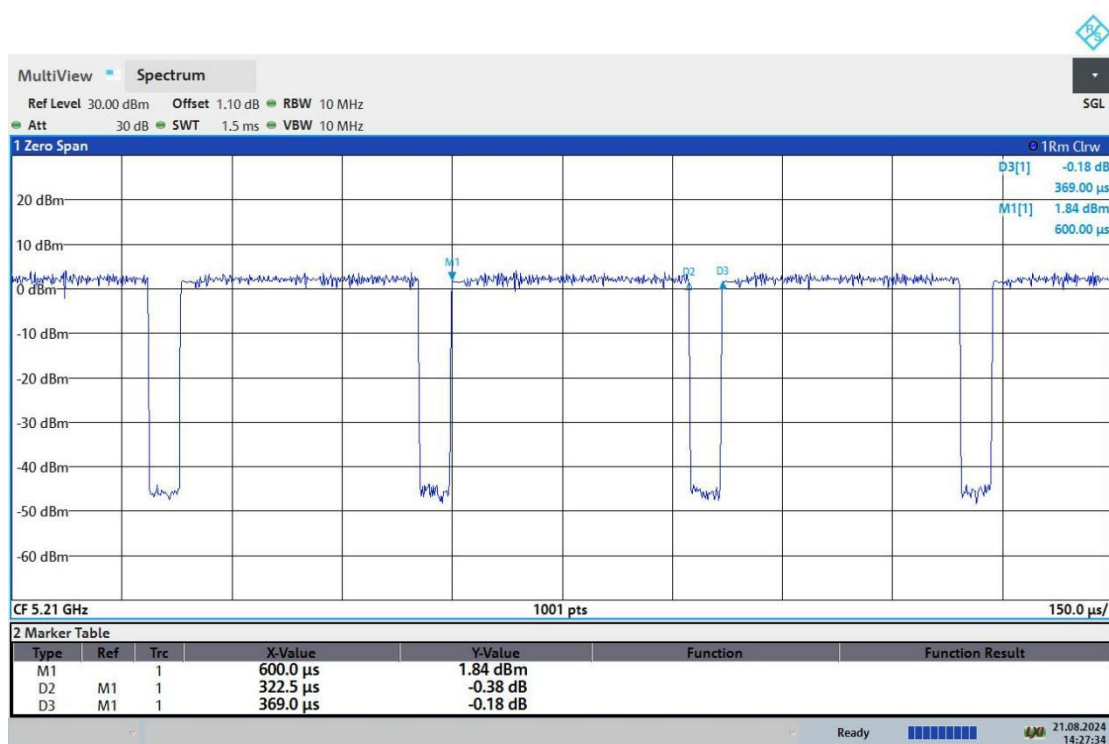
11AC40SISO_ANT4_5190



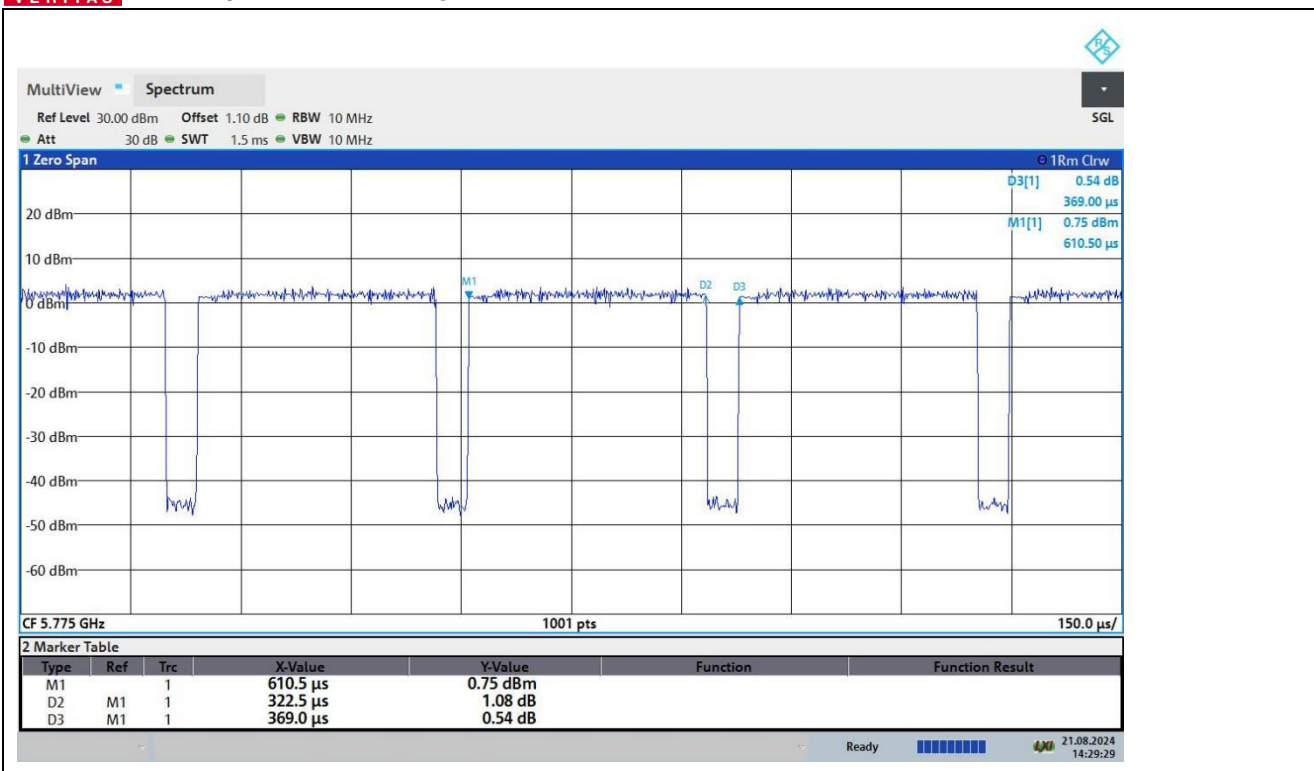
Band4-11AC40SISO_ANT4_5755



11AC80SISO_ANT4_5210



Band4-11AC80SISO_ANT4_5775





MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

BV Power Table For_U-NII-1									
Test Mode	TX Mod.	Freq. (MHz)	Ant.	Maximum Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	EIRP (dBm)	FCC EIRP Limit	Verdict	Power Setting
11A	SISO	5180	Ant1	17.29	≤24.00	18.54	≤36.00	Pass	17.5
		5200	Ant1	17.20	≤24.00	18.45	≤36.00	Pass	17.5
		5240	Ant1	17.02	≤24.00	18.27	≤36.00	Pass	17.5
11N20	SISO	5180	Ant1	15.58	≤24.00	16.83	≤36.00	Pass	15
		5200	Ant1	14.35	≤24.00	15.60	≤36.00	Pass	15
		5240	Ant1	14.14	≤24.00	15.39	≤36.00	Pass	15
11N40	SISO	5190	Ant1	11.61	≤24.00	12.86	≤36.00	Pass	13
		5230	Ant1	11.44	≤24.00	12.69	≤36.00	Pass	13
11AC20	SISO	5180	Ant1	13.19	≤24.00	14.44	≤36.00	Pass	14.5
		5200	Ant1	13.38	≤24.00	14.63	≤36.00	Pass	14.5
		5240	Ant1	13.14	≤24.00	14.39	≤36.00	Pass	14.5
11AC40	SISO	5190	Ant1	11.14	≤24.00	12.39	≤36.00	Pass	12.5
		5230	Ant2	14.94	≤24.00	19.44	≤36.00	Pass	12.5
11AC80	SISO	5210	Ant1	11.58	≤24.00	12.83	≤36.00	Pass	12.5

Note: The Maximum Conducted Power with duty cycle factor.

BV Power Table For_U-NII-2A									
Test Mode	TX Mod.	Freq. (MHz)	Ant.	Maximum Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	EIRP (dBm)	FCC EIRP Limit	Verdict	Power Setting
11A	SISO	5260	Ant1	17.22	≤24.00	18.47	≤30.00	Pass	17.5
		5300	Ant1	17.35	≤24.00	18.60	≤30.00	Pass	17.5
		5320	Ant1	17.24	≤24.00	18.49	≤30.00	Pass	17.5
11N20	SISO	5260	Ant1	14.32	≤24.00	15.57	≤30.00	Pass	15
		5300	Ant1	14.52	≤24.00	15.77	≤30.00	Pass	15
		5320	Ant1	14.25	≤24.00	15.50	≤30.00	Pass	15
11N40	SISO	5270	Ant1	11.79	≤24.00	13.04	≤30.00	Pass	13



		5310	Ant1	11.64	≤24.00	12.89	≤30.00	Pass	13
11AC20	SISO	5260	Ant1	13.30	≤24.00	14.55	≤30.00	Pass	14.5
		5300	Ant1	13.39	≤24.00	14.64	≤30.00	Pass	14.5
		5320	Ant1	13.28	≤24.00	14.53	≤30.00	Pass	14.5
11AC40	SISO	5270	Ant1	11.31	≤24.00	12.56	≤30.00	Pass	12.5
		5310	Ant1	11.22	≤24.00	12.47	≤30.00	Pass	12.5
11AC80	SISO	5290	Ant1	11.44	≤24.00	12.69	≤30.00	Pass	12.5

Note: The Maximum Conducted Power with duty cycle factor.

BV Power Table For_U-NII-2C

Test Mode	TX Mod.	Freq. (MHz)	Ant.	Maximum Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	EIRP (dBm)	FCC EIRP Limit	Verdict	Power Setting
11A	SISO	5500	Ant1	16.80	≤24.00	18.05	≤30.00	Pass	17.5
		5580	Ant1	16.66	≤24.00	17.91	≤30.00	Pass	17.5
		5700	Ant1	17.27	≤24.00	18.52	≤30.00	Pass	17.5
		5720	Ant1	17.18	≤24.00	18.43	≤30.00	Pass	17.5
11N20	SISO	5500	Ant1	13.70	≤24.00	14.95	≤30.00	Pass	15
		5580	Ant1	13.70	≤24.00	14.95	≤30.00	Pass	15
		5700	Ant1	14.30	≤24.00	15.55	≤30.00	Pass	15
		5720	Ant1	14.27	≤24.00	15.52	≤30.00	Pass	15
11N40	SISO	5510	Ant1	11.41	≤24.00	12.66	≤30.00	Pass	13
		5550	Ant1	11.44	≤24.00	12.69	≤30.00	Pass	13
		5670	Ant1	12.04	≤24.00	13.29	≤30.00	Pass	13
		5710	Ant1	11.67	≤24.00	12.92	≤30.00	Pass	13
11AC20	SISO	5500	Ant1	12.73	≤24.00	13.98	≤30.00	Pass	14.5
		5580	Ant1	12.75	≤24.00	14.00	≤30.00	Pass	14.5
		5700	Ant1	13.29	≤24.00	14.54	≤30.00	Pass	14.5
		5720	Ant1	13.29	≤24.00	14.54	≤30.00	Pass	14.5
11AC40	SISO	5510	Ant1	10.99	≤24.00	12.24	≤30.00	Pass	12.5
		5550	Ant1	10.97	≤24.00	12.22	≤30.00	Pass	12.5
		5670	Ant1	11.64	≤24.00	12.89	≤30.00	Pass	12.5
		5710	Ant1	11.21	≤24.00	12.46	≤30.00	Pass	12.5
11AC80	SISO	5530	Ant1	10.87	≤24.00	12.12	≤30.00	Pass	12.5
		5610	Ant1	11.08	≤24.00	12.33	≤30.00	Pass	12.5



		5690	Ant1	11.05	≤24.00	12.30	≤30.00	Pass	12.5
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Note: The Maximum Conducted Power with duty cycle factor.

BV Power Table For_U-NII-3									
Test Mode	TX Mod.	Freq. (MHz)	Ant.	Maximum Conducted Power (dBm)	Conducted Power Limit (dBm)	EIRP (dBm)	IC EIRP Limit	Verdict	Power Setting
11A	SISO	5745	Ant1	17.58	≤30.00	18.83	≤36.00	Pass	17.5
		5785	Ant1	17.79	≤30.00	19.04	≤36.00	Pass	17.5
		5825	Ant1	17.70	≤30.00	18.95	≤36.00	Pass	17.5
11N20	SISO	5745	Ant1	14.68	≤30.00	15.93	≤36.00	Pass	15
		5785	Ant1	14.97	≤30.00	16.22	≤36.00	Pass	15
11N40	SISO	5755	Ant1	12.00	≤30.00	13.25	≤36.00	Pass	15
		5795	Ant1	12.32	≤30.00	13.57	≤36.00	Pass	13
11AC20	SISO	5745	Ant1	13.71	≤30.00	14.96	≤36.00	Pass	13
		5785	Ant1	13.87	≤30.00	15.12	≤36.00	Pass	14.5
		5825	Ant1	13.70	≤30.00	14.95	≤36.00	Pass	14.5
11AC40	SISO	5755	Ant1	11.52	≤30.00	12.77	≤36.00	Pass	14.5
		5795	Ant1	11.76	≤30.00	13.01	≤36.00	Pass	12.5
11AC80	SISO	5775	Ant1	12.05	≤30.00	13.30	≤36.00	Pass	12.5
Note: The Maximum Conducted Power with duty cycle factor.									



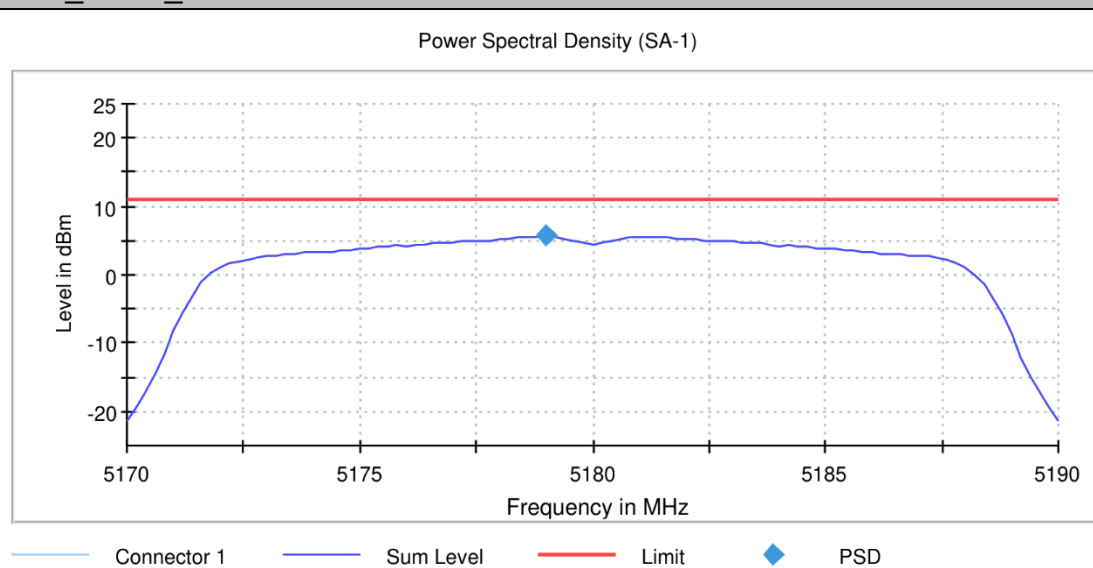
MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

Test Model	Antenna	Frequency [MHz]	Result [dBm/MHz]	PSD Limit [dBm/MHz]	Verdict
11A	ANT4	5180	5.644	≤11.00	Pass
	ANT4	5200	5.549	≤11.00	Pass
	ANT4	5240	4.775	≤11.00	Pass
	ANT4	5260	5.046	≤11.00	Pass
	ANT4	5300	4.899	≤11.00	Pass
	ANT4	5320	4.885	≤11.00	Pass
	ANT4	5500	4.866	≤11.00	Pass
	ANT4	5580	4.339	≤11.00	Pass
	ANT4	5700	4.528	≤11.00	Pass
	ANT4	5720	4.609	≤11.00	Pass
	ANT4	5745	1.933	≤30.00	Pass
	ANT4	5785	1.835	≤30.00	Pass
11N20	ANT4	5825	1.552	≤30.00	Pass
	ANT4	5180	2.644	≤11.00	Pass
	ANT4	5200	2.778	≤11.00	Pass
	ANT4	5240	2.445	≤11.00	Pass
	ANT4	5260	2.388	≤11.00	Pass
	ANT4	5300	2.197	≤11.00	Pass
	ANT4	5320	1.866	≤11.00	Pass
	ANT4	5500	1.835	≤11.00	Pass
	ANT4	5580	2.212	≤11.00	Pass
	ANT4	5700	2.065	≤11.00	Pass
	ANT4	5720	1.972	≤11.00	Pass
	ANT4	5745	-0.485	≤30.00	Pass
11N40	ANT4	5785	-0.255	≤30.00	Pass
	ANT4	5825	-0.738	≤30.00	Pass
	ANT4	5190	-2.34	≤11.00	Pass
	ANT4	5230	-2.368	≤11.00	Pass
	ANT4	5270	-2.601	≤11.00	Pass
	ANT4	5310	-2.911	≤11.00	Pass

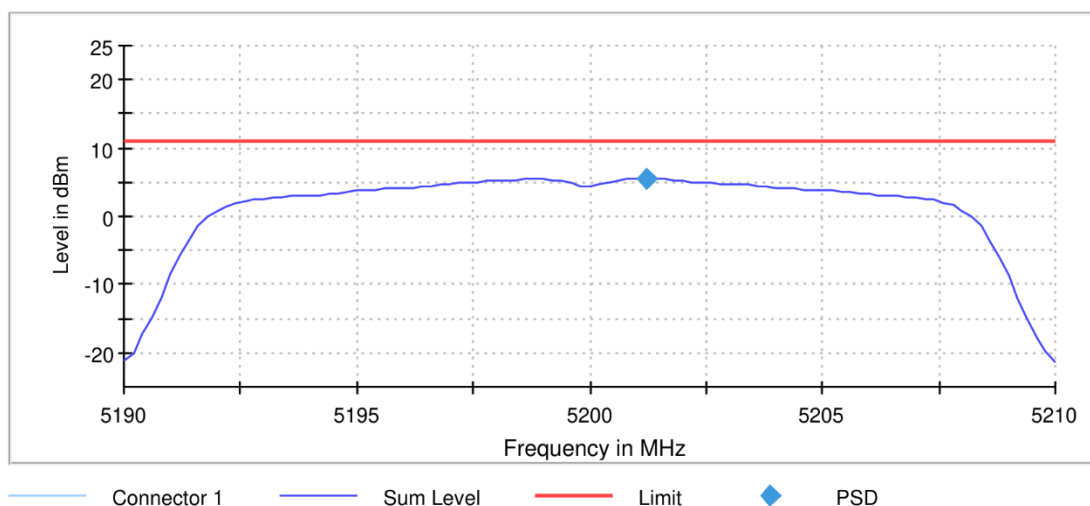


	ANT4	5510	-3.087	≤11.00	Pass
	ANT4	5550	-2.575	≤11.00	Pass
	ANT4	5670	-3.465	≤11.00	Pass
	ANT4	5710	-2.467	≤11.00	Pass
	ANT4	5755	-5.911	≤30.00	Pass
	ANT4	5795	-5.795	≤30.00	Pass
11AC8 0	ANT4	5210	-6.936	≤11.00	Pass
	ANT4	5290	-6.241	≤11.00	Pass
	ANT4	5530	-6.693	≤11.00	Pass
	ANT4	5610	-6.782	≤11.00	Pass
	ANT4	5690	-7.346	≤11.00	Pass
	ANT4	5775	-9.423	≤30.00	Pass

TEST GRAPHS**11A_ANT4_5180****11A_ANT4_5200**

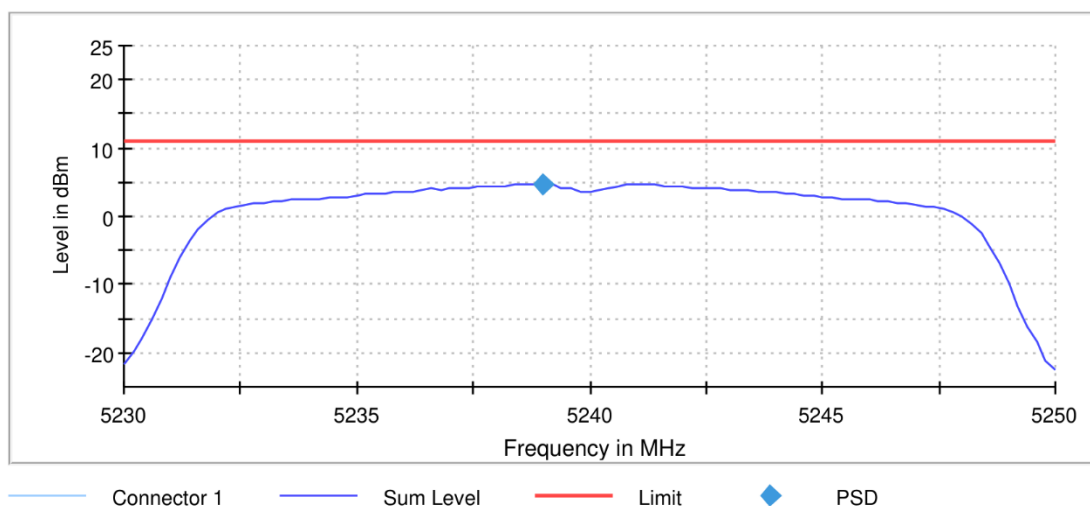


Power Spectral Density (SA-1)



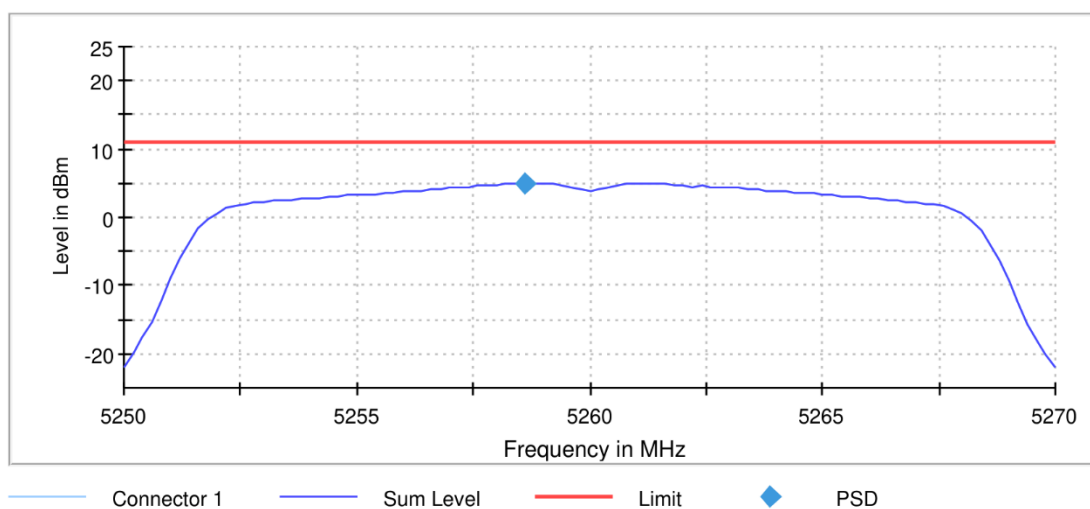
11A_ANT4_5240

Power Spectral Density (SA-1)



11A_ANT4_5260

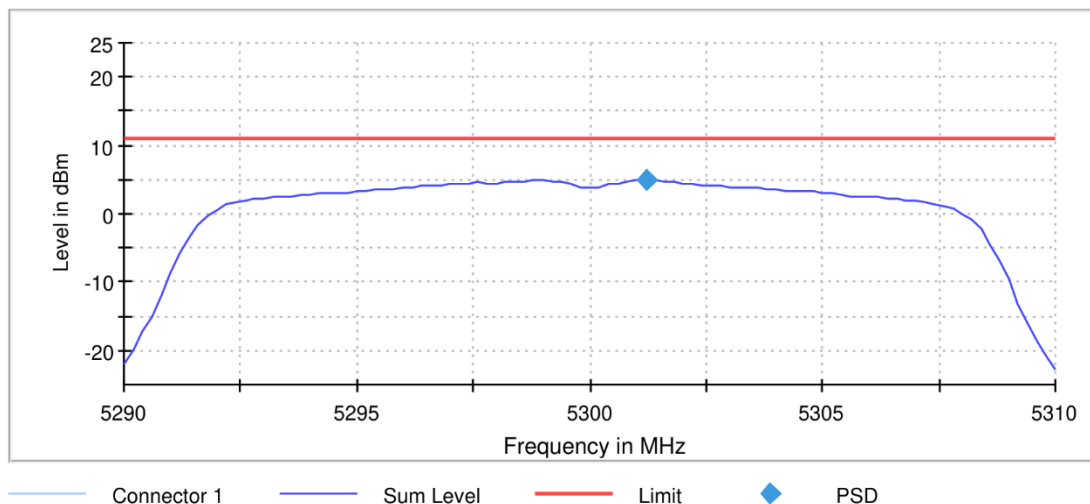
Power Spectral Density (SA-1)





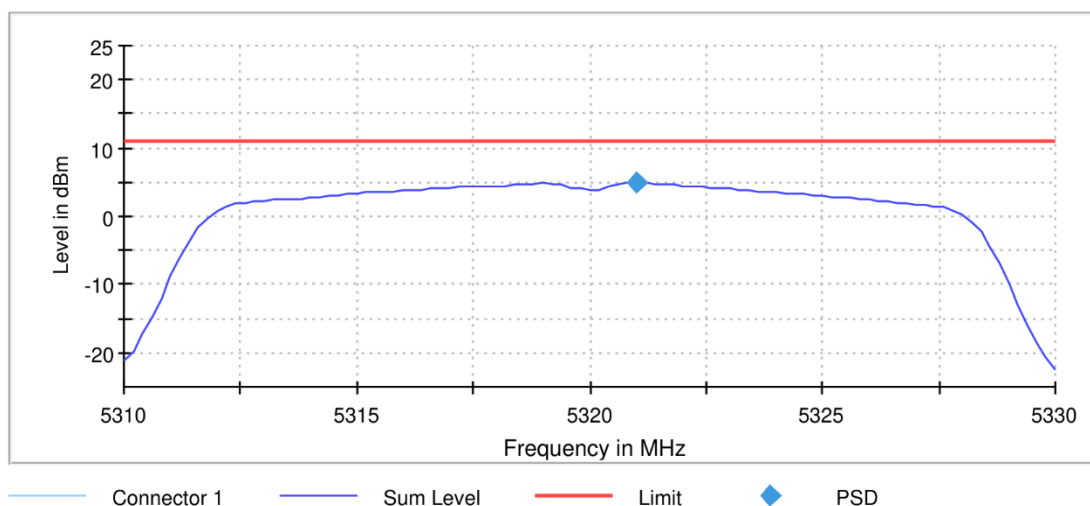
11A_ANT4_5300

Power Spectral Density (SA-1)



11A_ANT4_5320

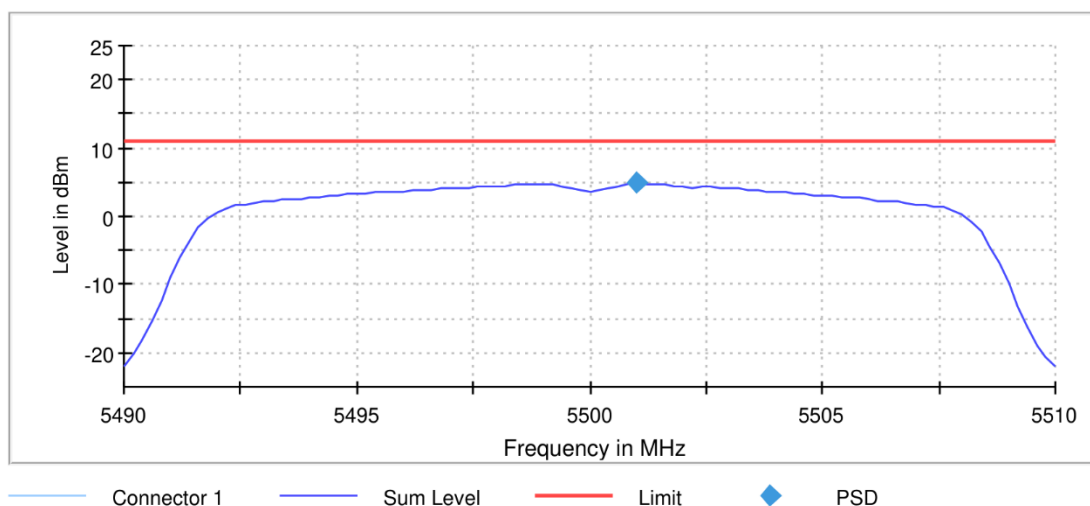
Power Spectral Density (SA-1)



11A_ANT4_5500

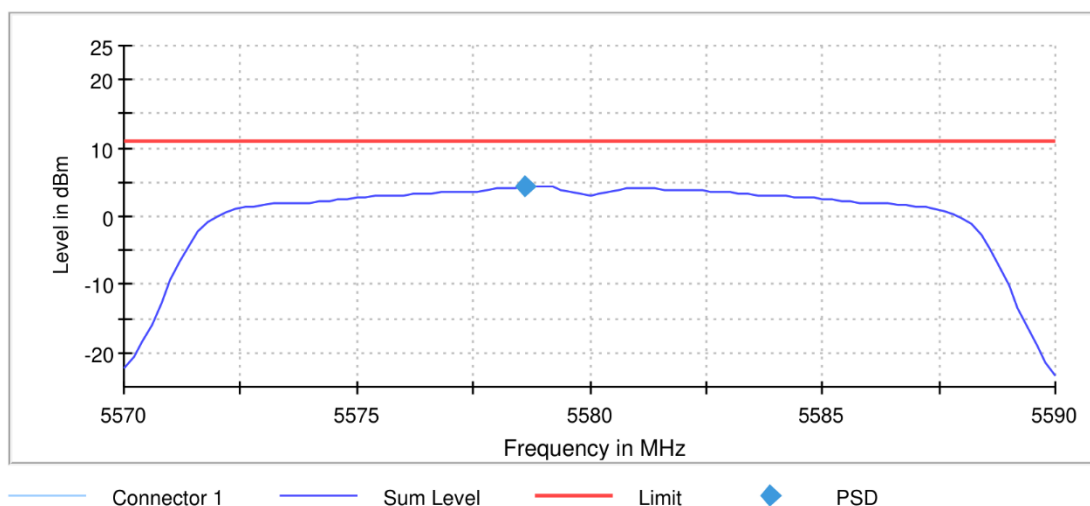


Power Spectral Density (SA-1)



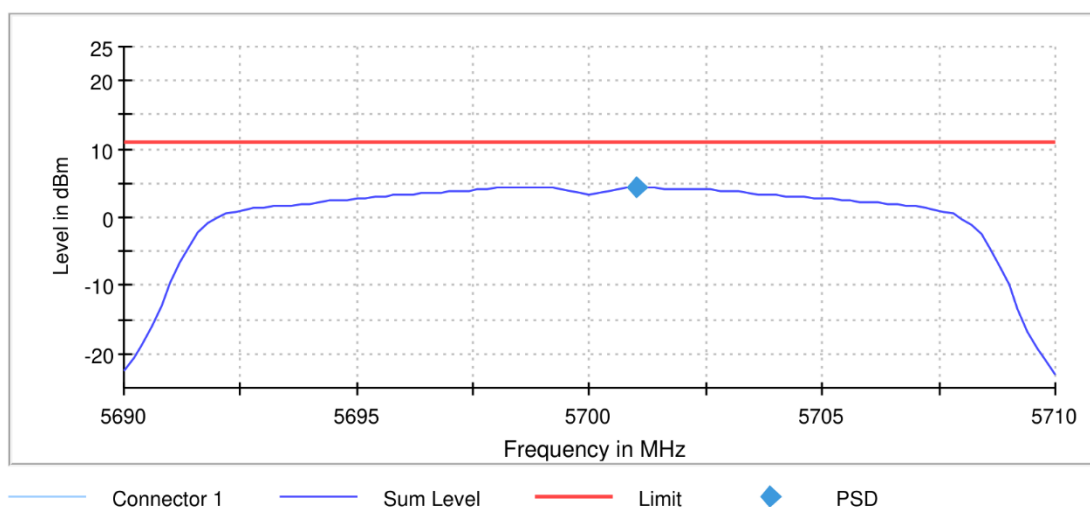
11A_ANT4_5580

Power Spectral Density (SA-1)



11A_ANT4_5700

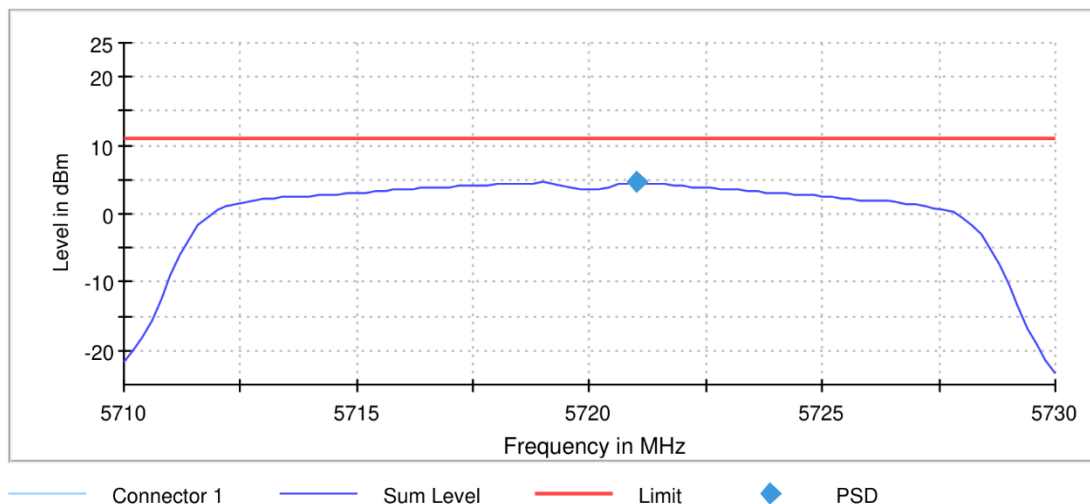
Power Spectral Density (SA-1)





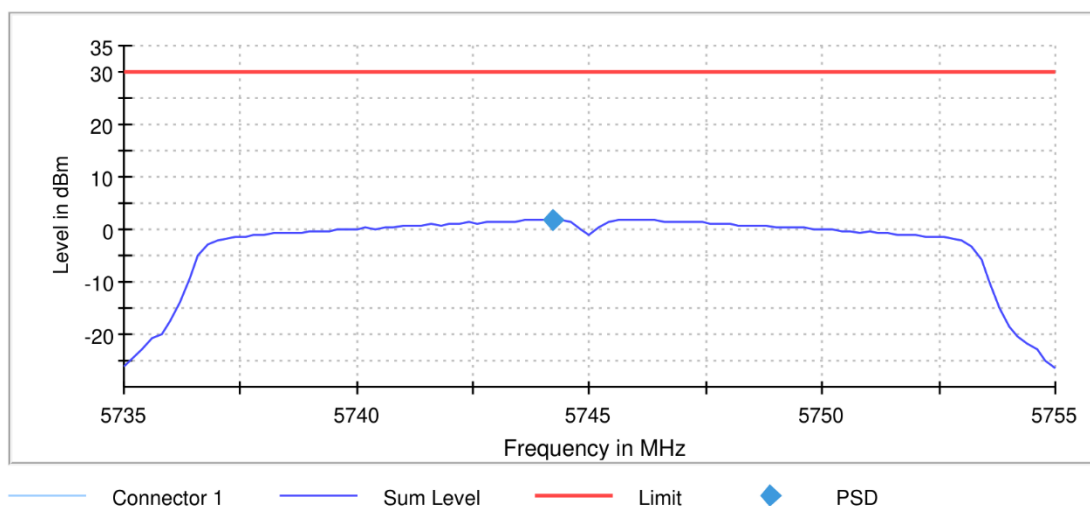
11A_ANT4_5720

Power Spectral Density (SA-1)



11A_ANT4_5745

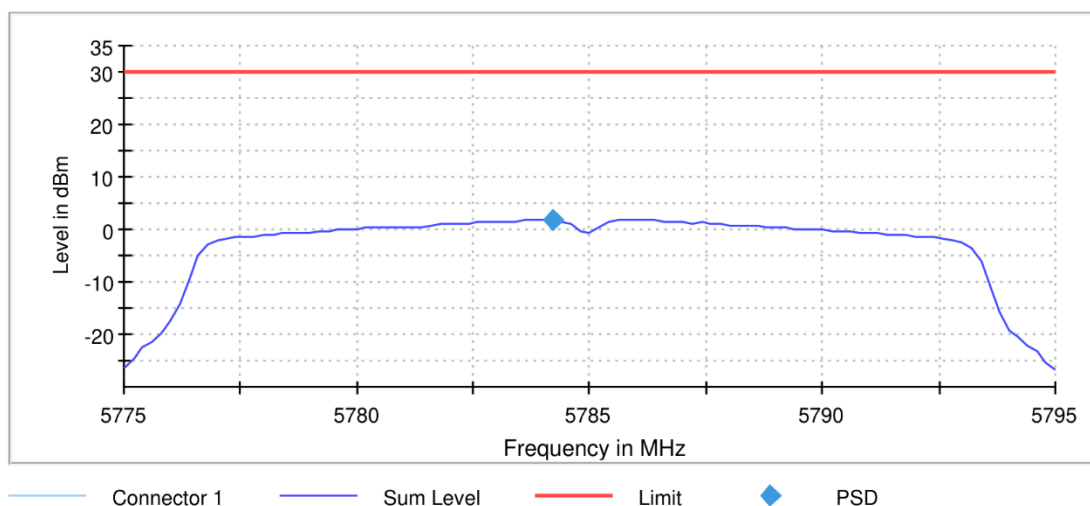
Power Spectral Density (SA-1)



11A_ANT4_5785

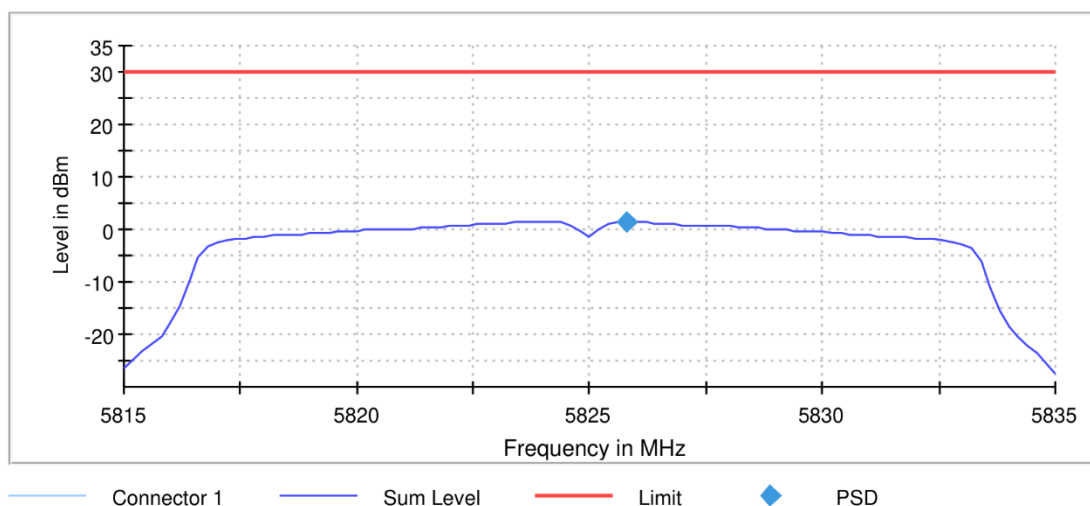


Power Spectral Density (SA-1)



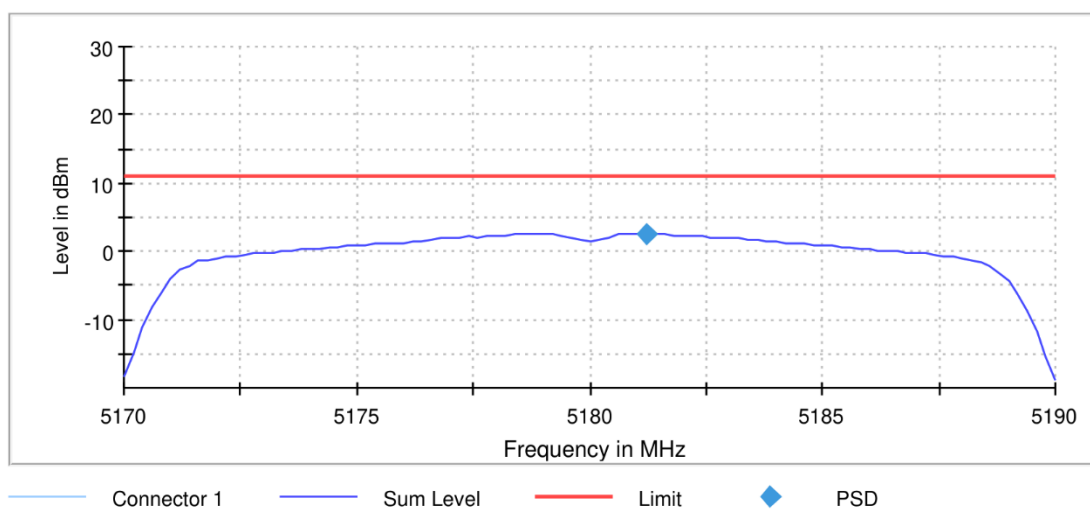
11A_ANT4_5825

Power Spectral Density (SA-1)



11N20_ANT4_5180

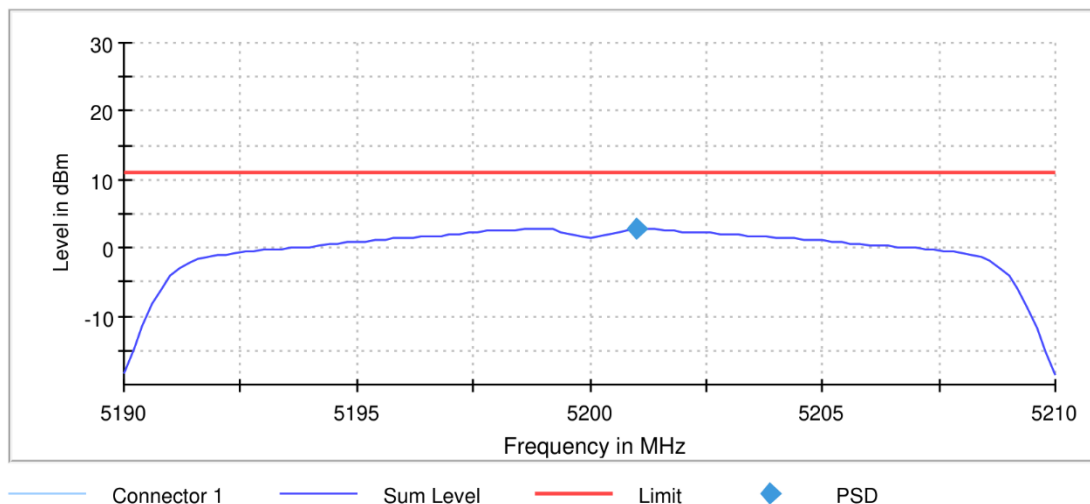
Power Spectral Density (SA-1)





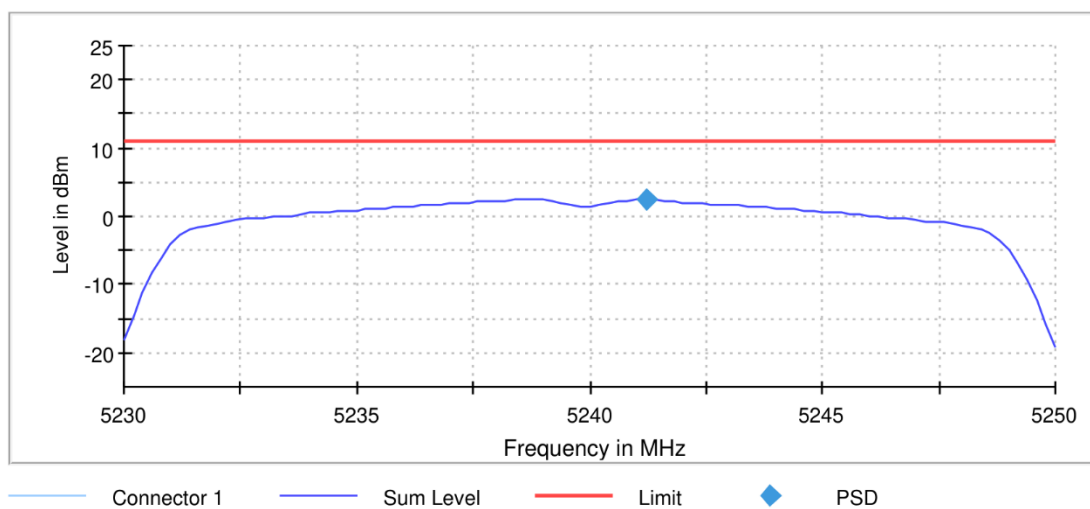
11N20_ANT4_5200

Power Spectral Density (SA-1)



11N20_ANT4_5240

Power Spectral Density (SA-1)



11N20_ANT4_5260