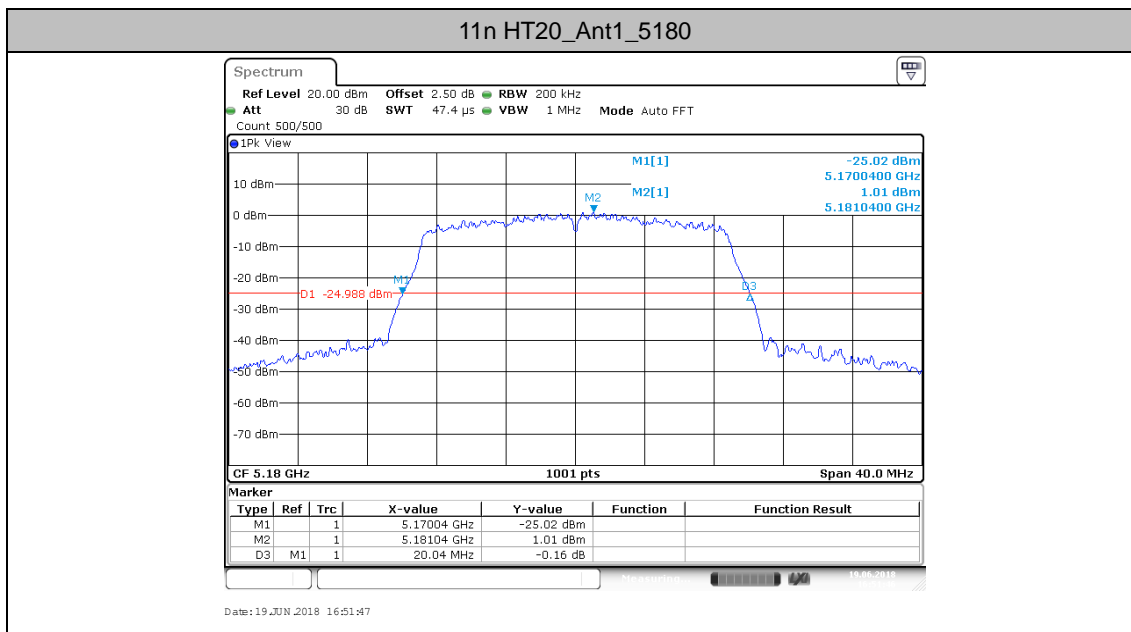


Appendix E1: Emission Bandwidth

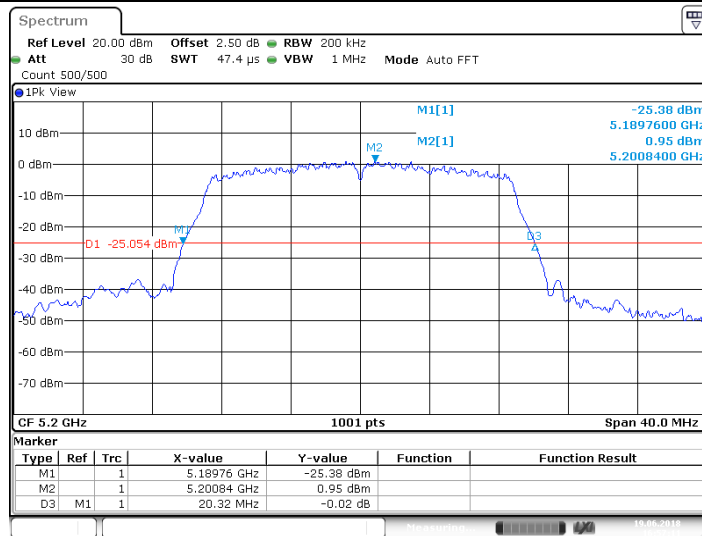
Test Result

TestMode	Antenna	Channel (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11n HT20	Ant1	5180	20.040	5170.040	5190.080	---	PASS
		5200	20.320	5189.760	5210.080	---	PASS
		5240	20.320	5229.880	5250.200	---	PASS
		5260	20.280	5249.880	5270.160	---	PASS
		5280	20.360	5269.800	5290.160	---	PASS
		5320	20.280	5309.880	5330.160	---	PASS
		5500	20.320	5489.880	5510.200	---	PASS
		5580	20.200	5569.920	5590.120	---	PASS
		5700	20.360	5689.640	5710.000	---	PASS
		5720	20.560	5709.480	5730.040	---	PASS
		5745	19.960	5735.040	5755.000	---	PASS
		5785	19.880	5775.080	5794.960	---	PASS
5825	19.800	5815.080	5834.880	---	PASS		

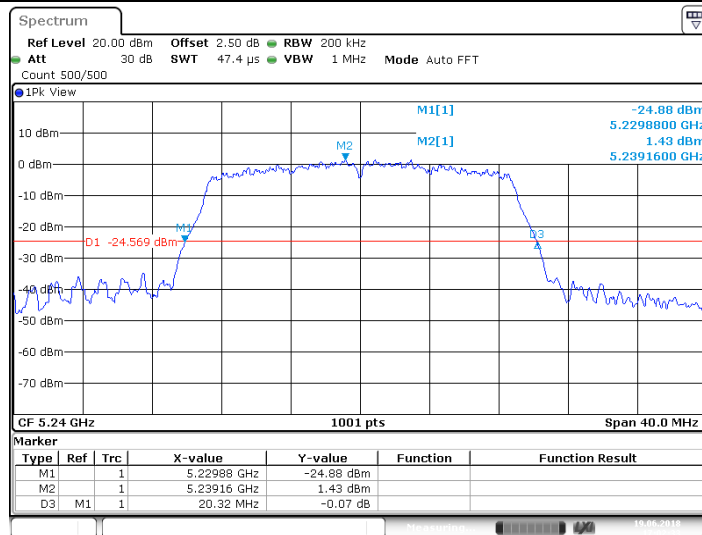
Test Graphs



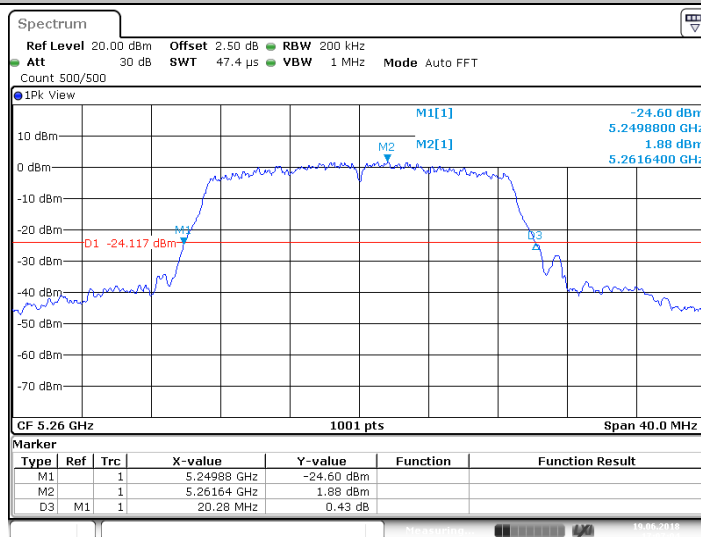
11n HT20_Ant1_5200



11n HT20_Ant1_5240

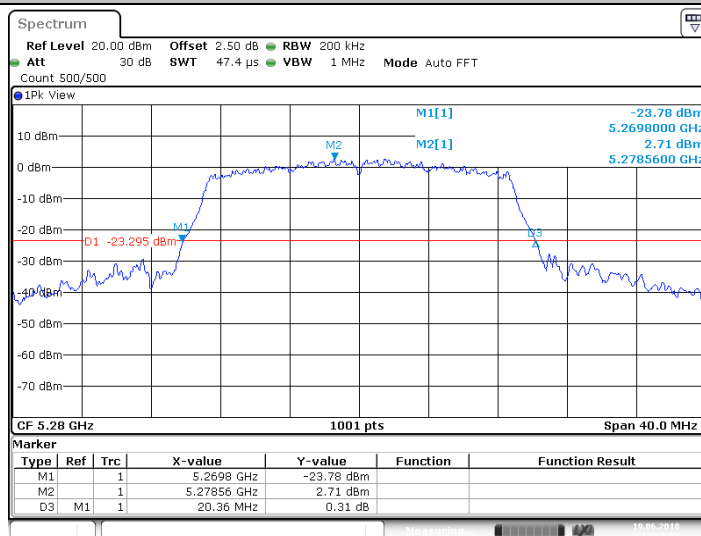


11n HT20_Ant1_5260



Date: 19 JUN 2018 17:07:04

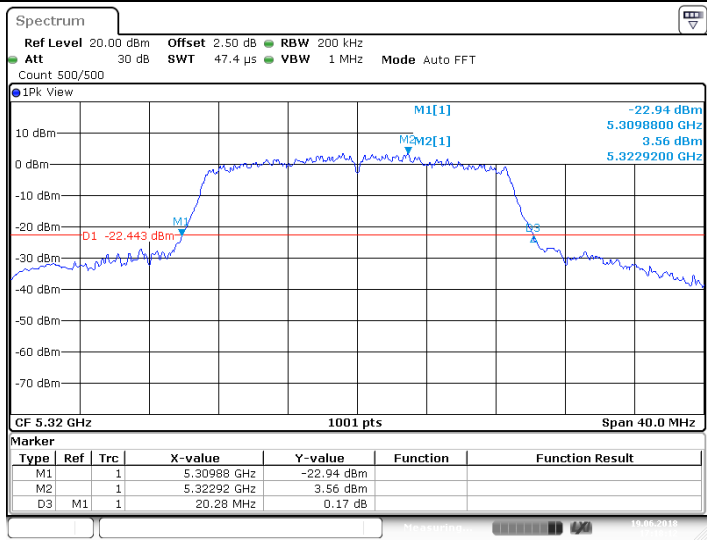
11n HT20_Ant1_5280



Date: 19 JUN 2018 17:10:58

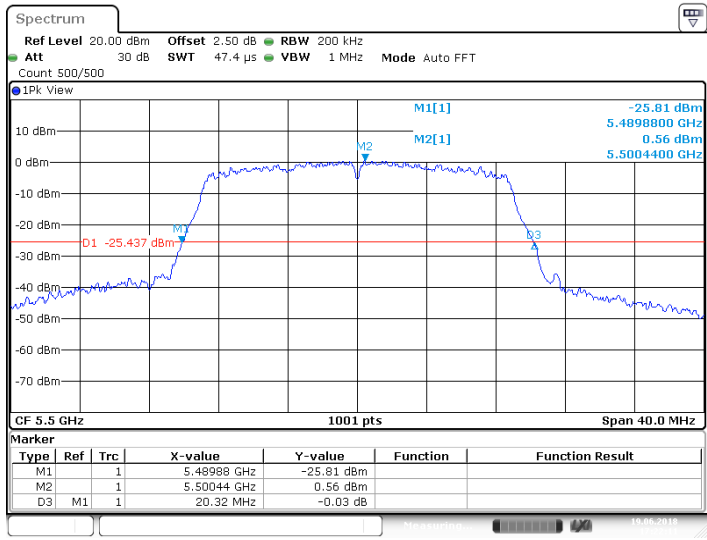


11n HT20_Ant1_5320



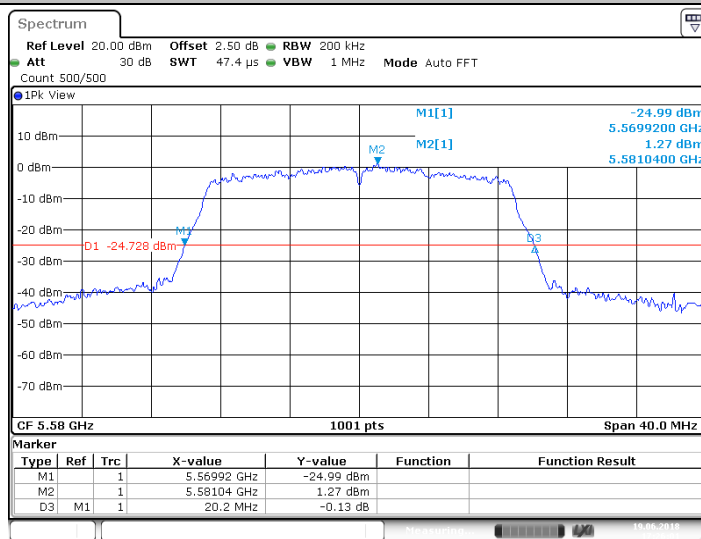
Date: 19 JUN 2018 17:18:12

11n HT20_Ant1_5500

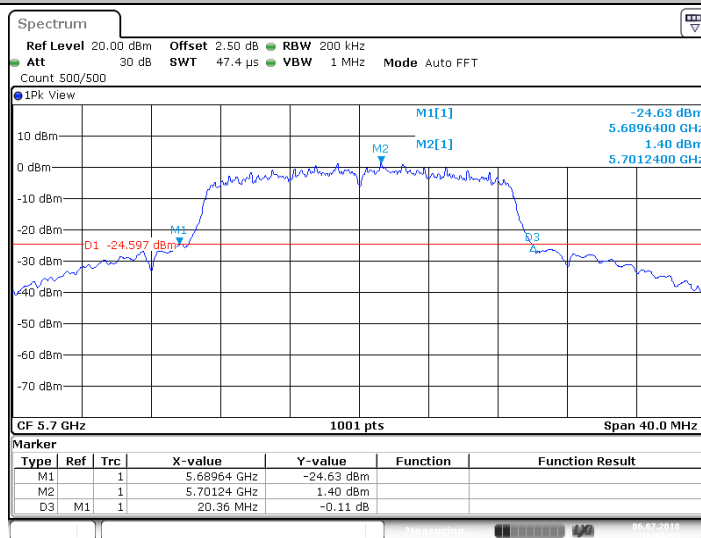


Date: 19 JUN 2018 17:22:11

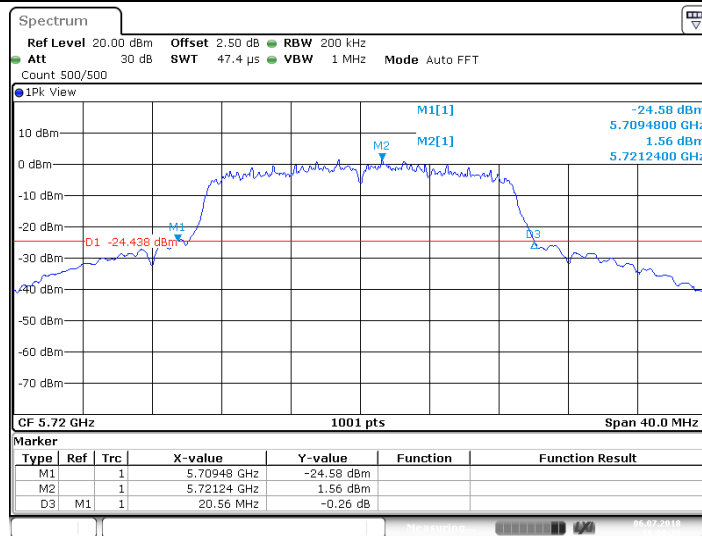
11n HT20_Ant1_5580



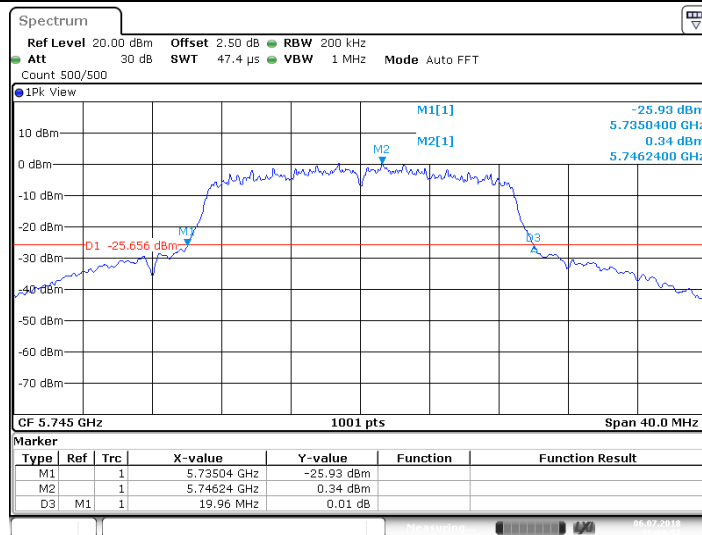
11n HT20_Ant1_5700



11n HT20_Ant1_5720

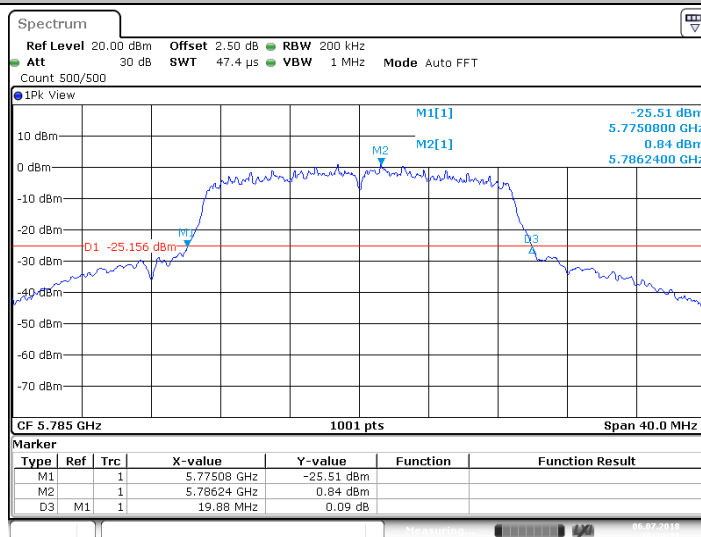


11n HT20_Ant1_5745



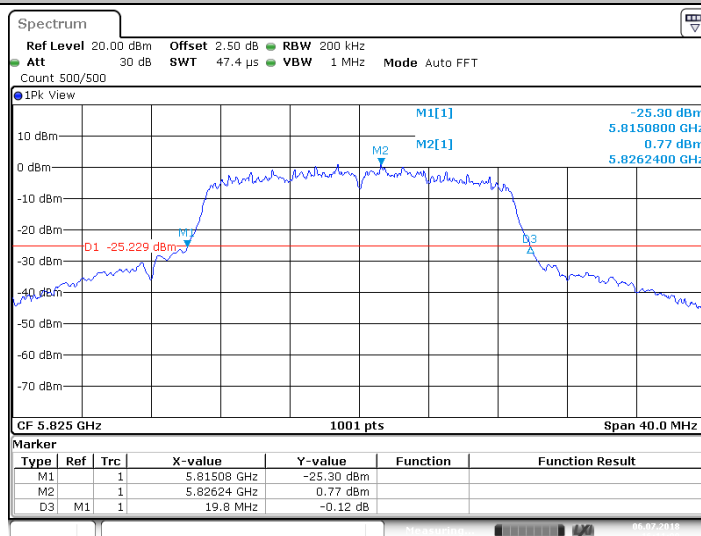


11n HT20_Ant1_5785



Date: 6.JUL.2018 16:10:22

11n HT20_Ant1_5825



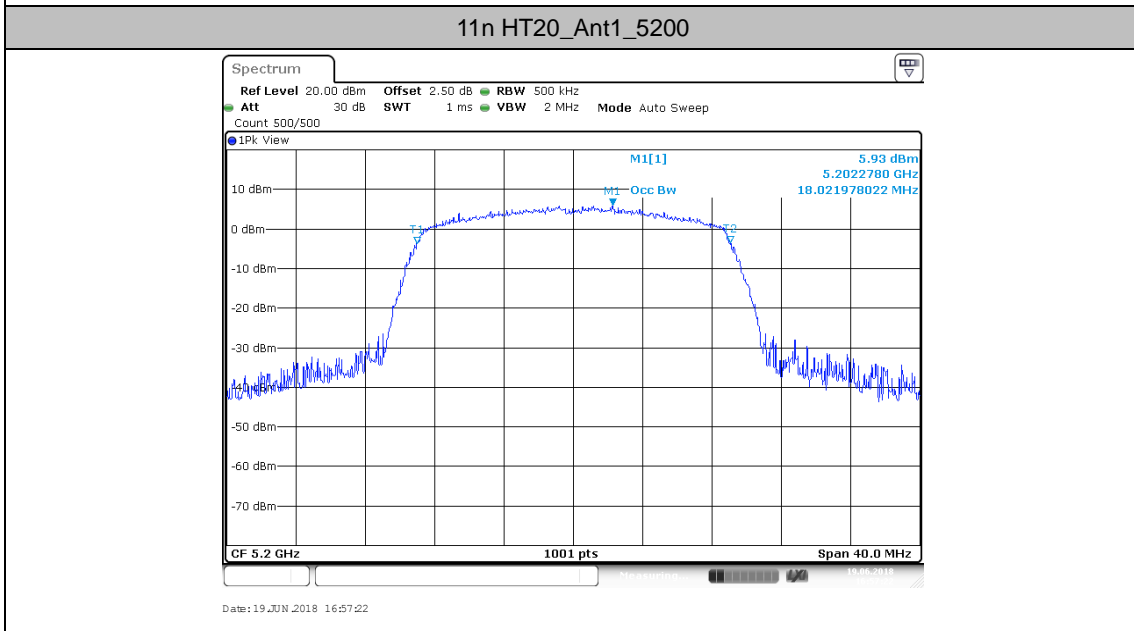
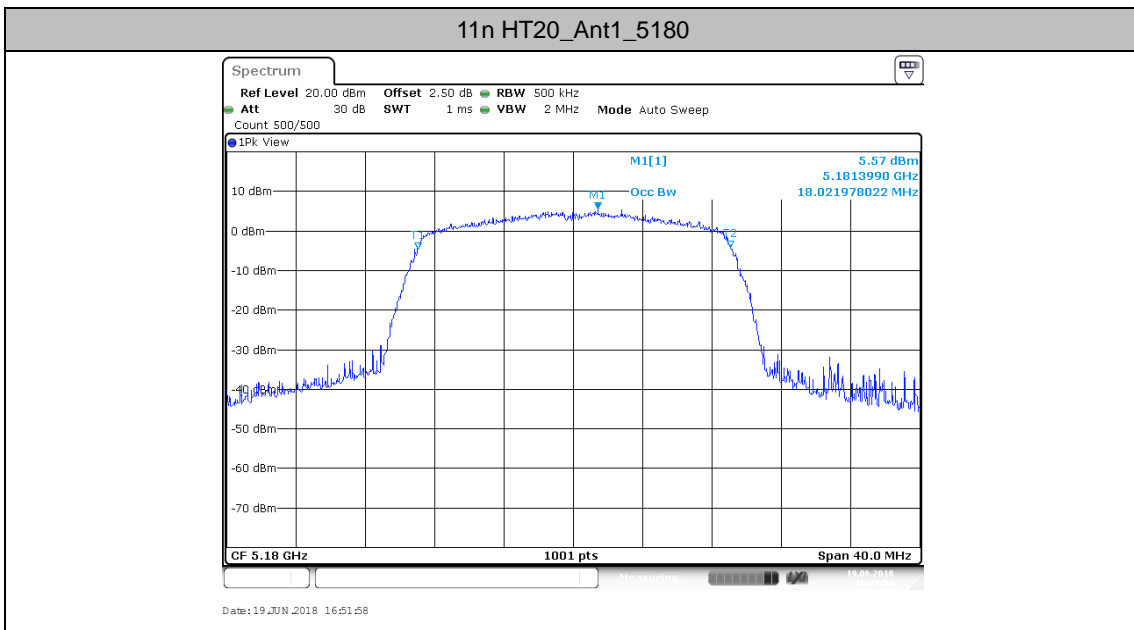
Date: 6.JUL.2018 16:11:10

AppendixE2: Occupied Channel (MHz) bandwidth

Test Result

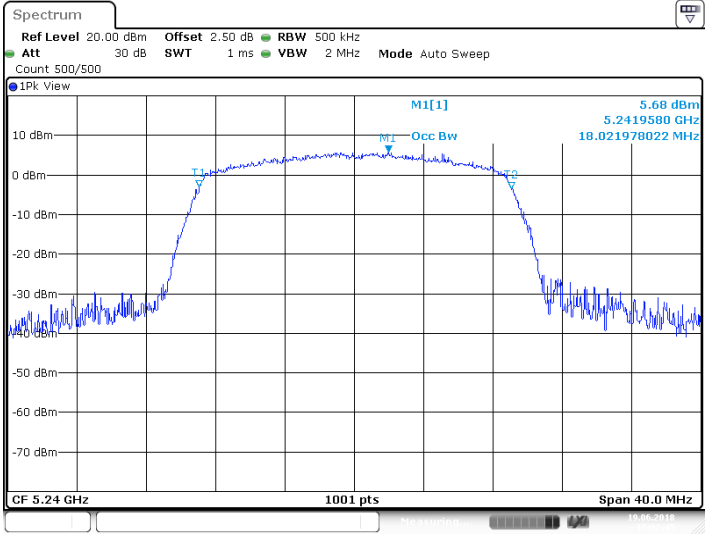
TestMode	Antenna	Channel (MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11n HT20	Ant1	5180	18.022	0.000	0.000	---	PASS
		5200	18.022	0.000	0.000	---	PASS
		5240	18.022	0.000	0.000	---	PASS
		5260	18.022	0.000	0.000	---	PASS
		5280	18.102	0.000	0.000	---	PASS
		5320	18.142	0.000	0.000	---	PASS
		5500	18.062	0.000	0.000	---	PASS
		5580	18.022	0.000	0.000	---	PASS
		5700	19.66	0.000	0.000	---	PASS
		5720	20.42	0.000	0.000	---	PASS
		5745	21.499	0.000	0.000	---	PASS
		5785	20.979	0.000	0.000	---	PASS
		5825	18.821	0.000	0.000	---	PASS

Test Graphs

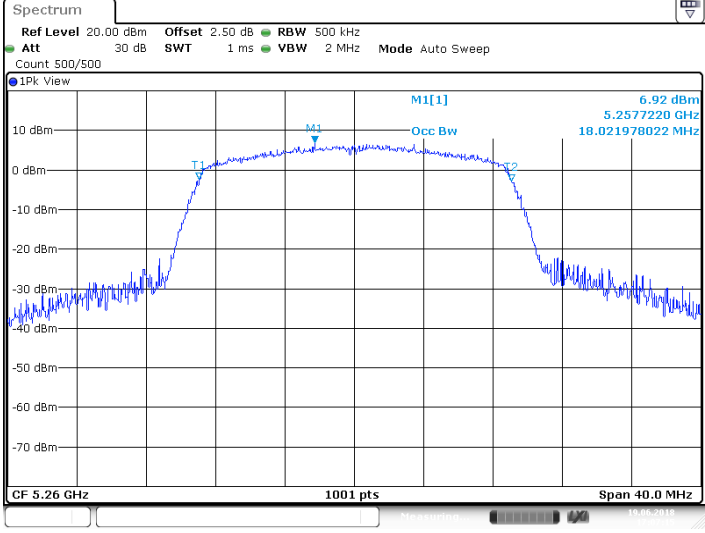




11n HT20_Ant1_5240

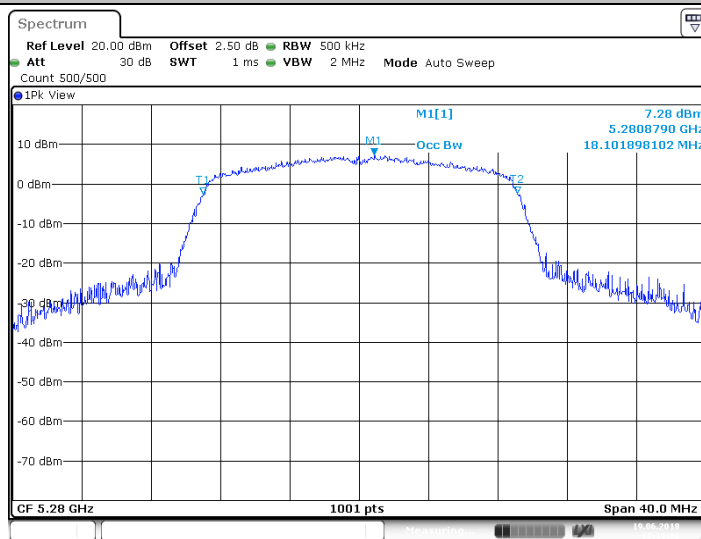


11n HT20_Ant1_5260



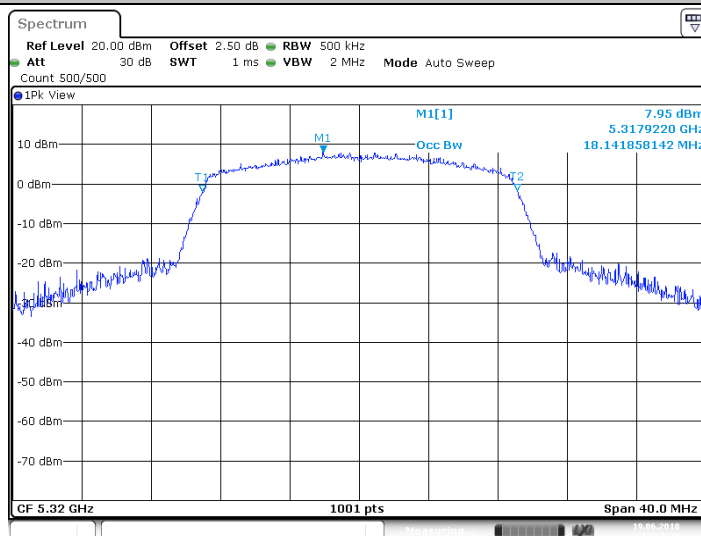


11n HT20_Ant1_5280



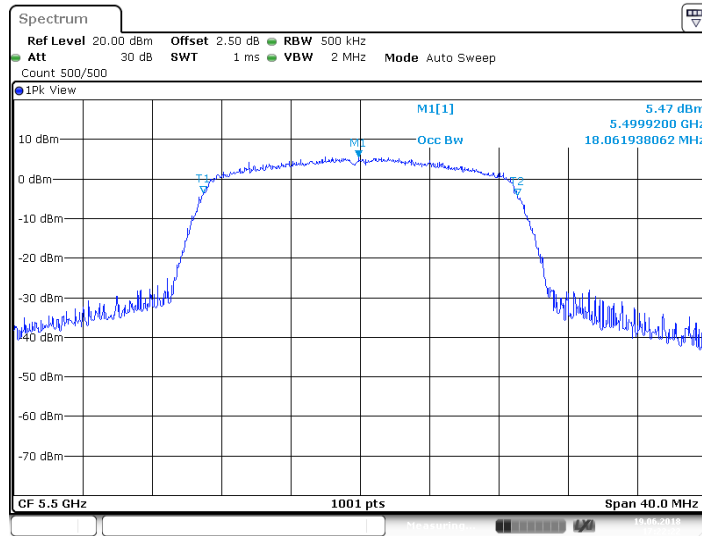
Date: 19 JUN 2018 17:11:09

11n HT20_Ant1_5320



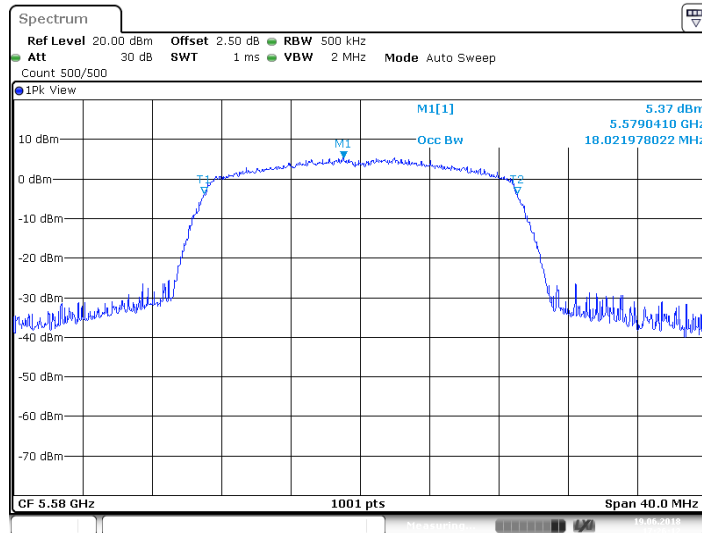
Date: 19 JUN 2018 17:18:24

11n HT20_Ant1_5500



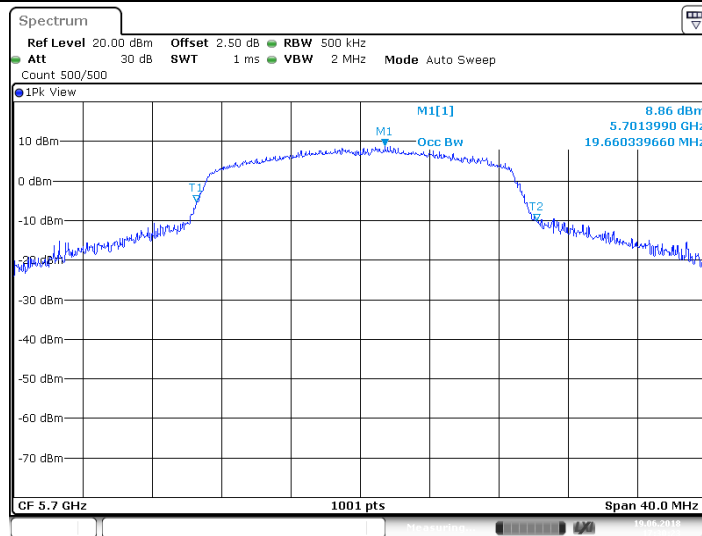
Date: 19 JUN 2018 17:22:22

11n HT20_Ant1_5580



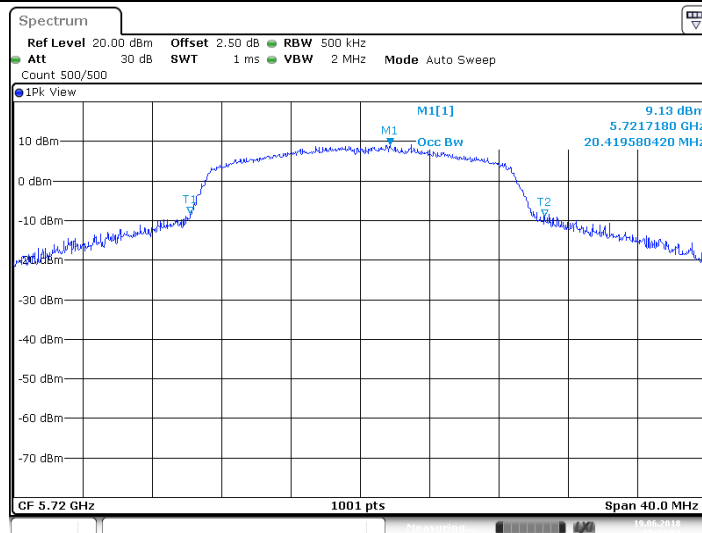
Date: 19 JUN 2018 17:26:13

11n HT20_Ant1_5700



Date: 19 JUN 2018 17:30:24

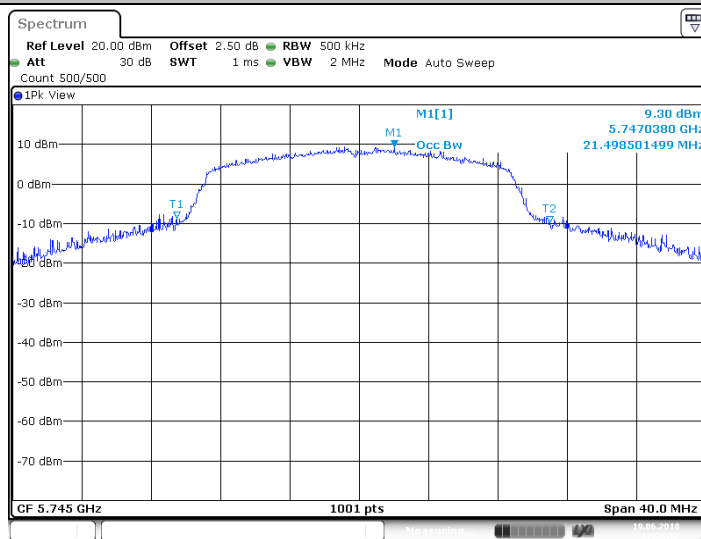
11n HT20_Ant1_5720



Date: 19 JUN 2018 17:33:52

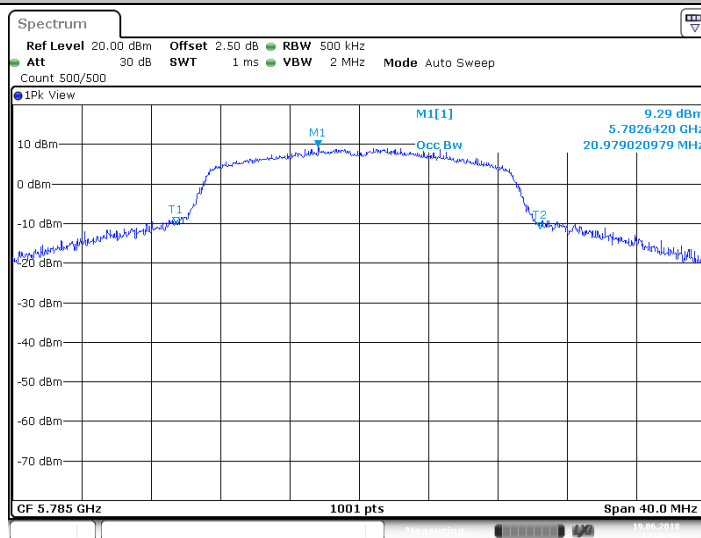


11n HT20_Ant1_5745



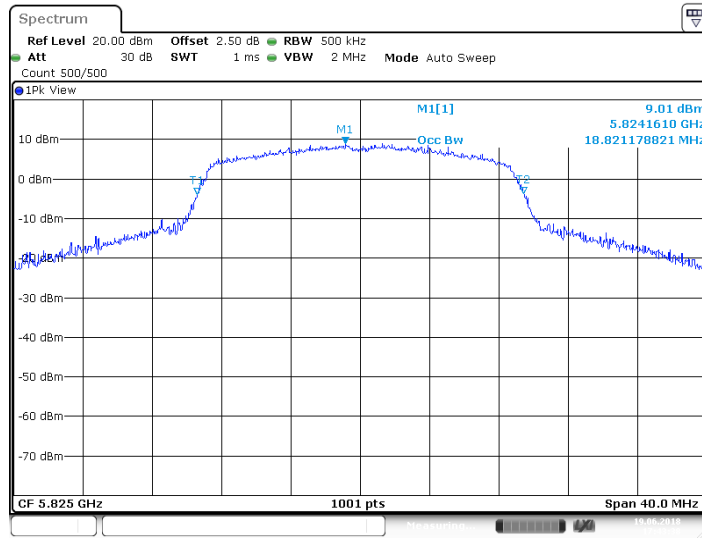
Date: 19 JUN 2018 17:35:53

11n HT20_Ant1_5785



Date: 19 JUN 2018 17:40:07

11n HT20_Ant1_5825

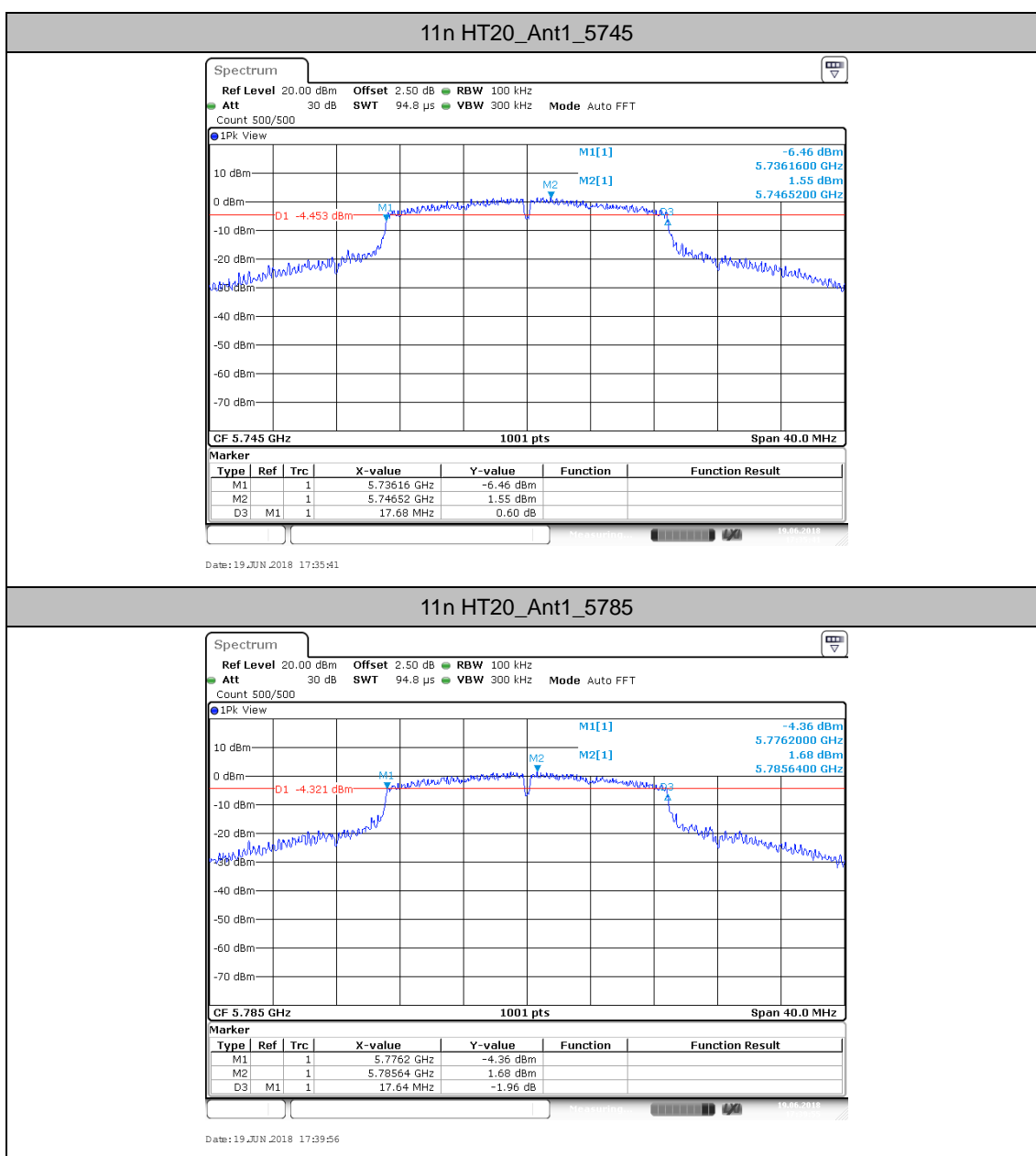


AppendixE3: Min emission bandwidth

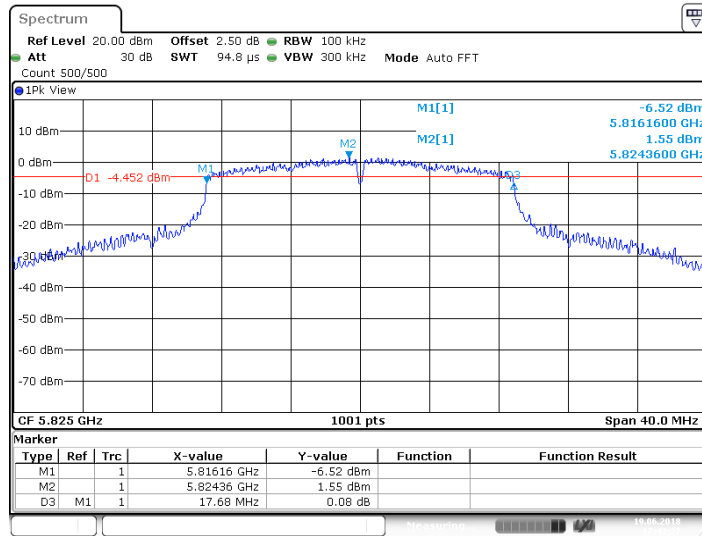
Test Result

TestMode	Antenna	Channel (MHz)	6db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11n HT20	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS

Test Graphs



11n HT20_Ant1_5825



Date: 19 JUN 2018 17:43:28

AppendixE4: Maximum conducted output power

Test Result

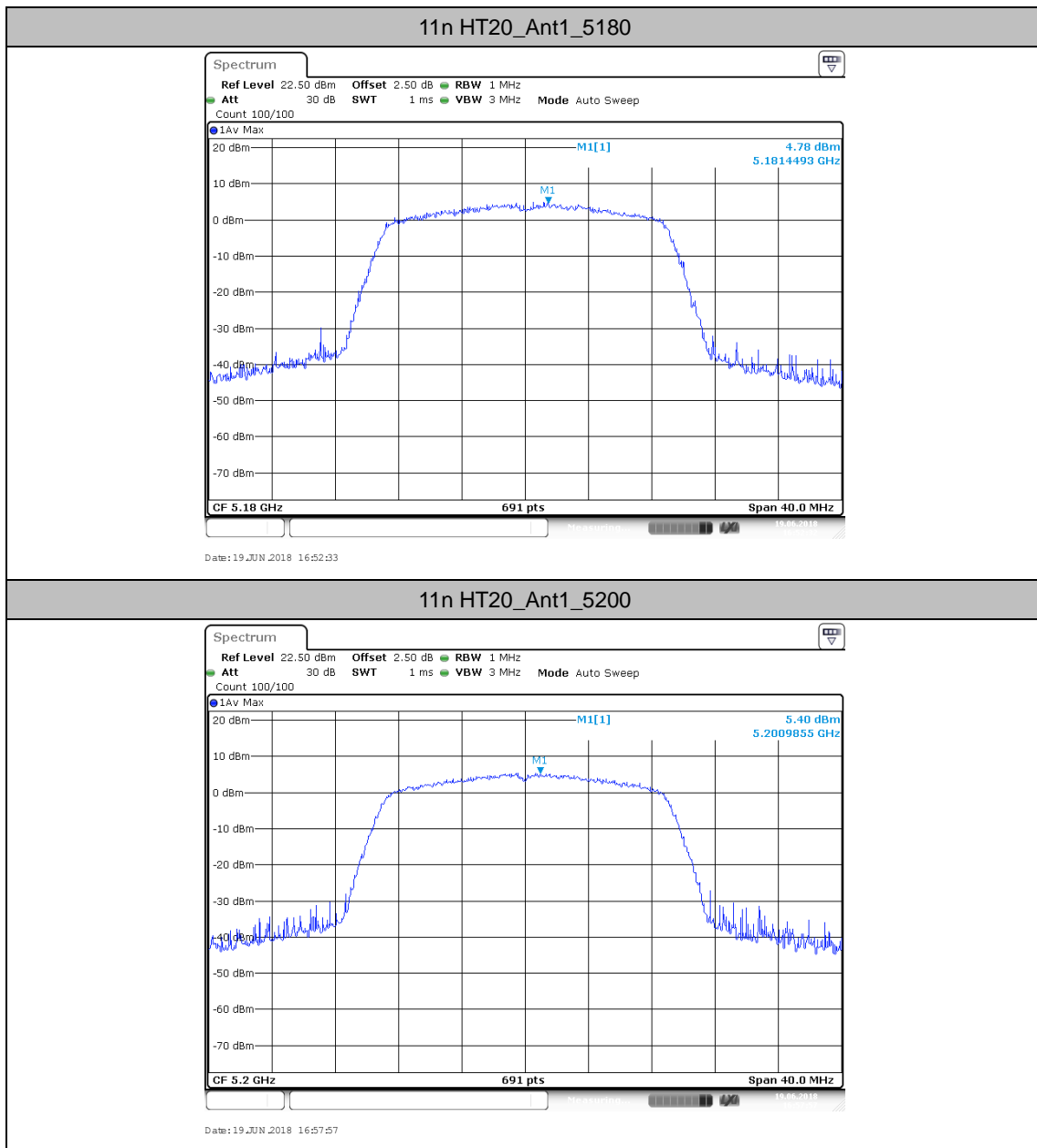
TestMode	Antenna	Channel (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	5180	13.80	23.98	PASS
		5200	13.97	23.98	PASS
		5240	13.90	23.98	PASS
		5260	14.18	23.98	PASS
		5280	14.15	23.98	PASS
		5320	13.90	23.98	PASS
		5500	13.93	23.98	PASS
		5580	13.21	23.98	PASS
		5700	13.95	23.98	PASS
		5720	14.20	23.98	PASS
		5745	13.91	30	PASS
		5785	13.85	30	PASS
		5825	13.16	30	PASS

AppendixE5: Maximum power spectral density

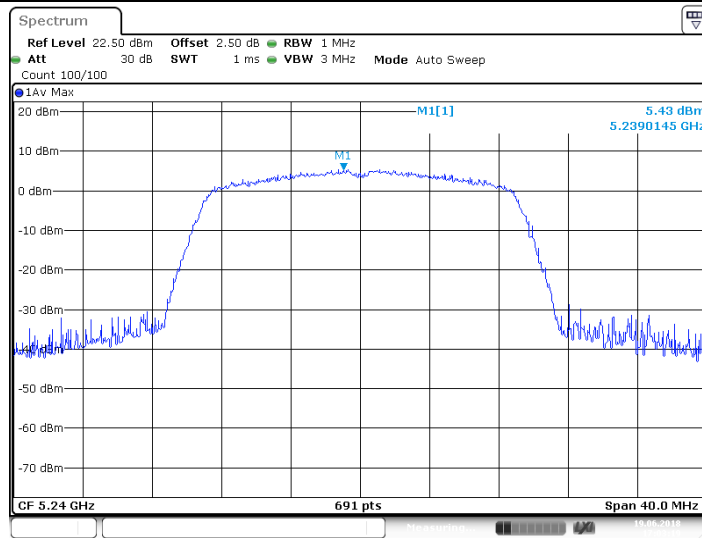
Test Result

TestMode	Antenna	Channel (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	5180	4.78	11	PASS
		5200	5.4	11	PASS
		5240	5.43	11	PASS
		5260	6.26	11	PASS
		5280	7.23	11	PASS
		5320	7.75	11	PASS
		5500	5.15	11	PASS
		5580	5.01	11	PASS
		5700	8.48	11	PASS
		5745	7.73	30	PASS
		5785	7.74	30	PASS
		5825	7.61	30	PASS

Test Graphs

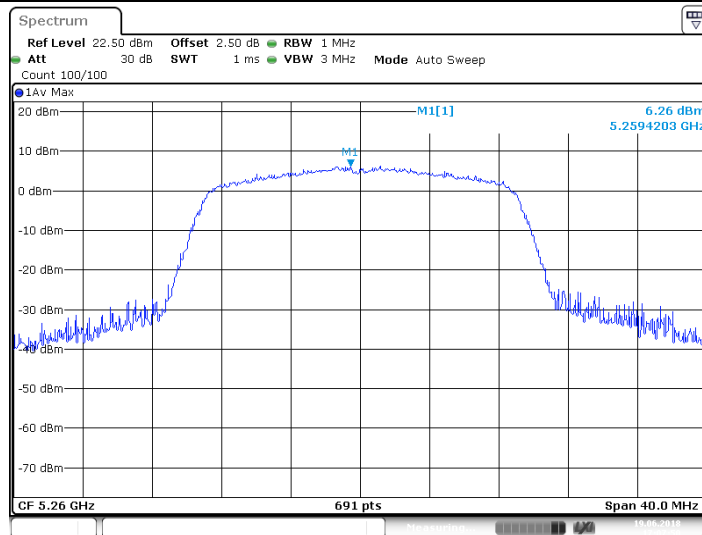


11n HT20_Ant1_5240



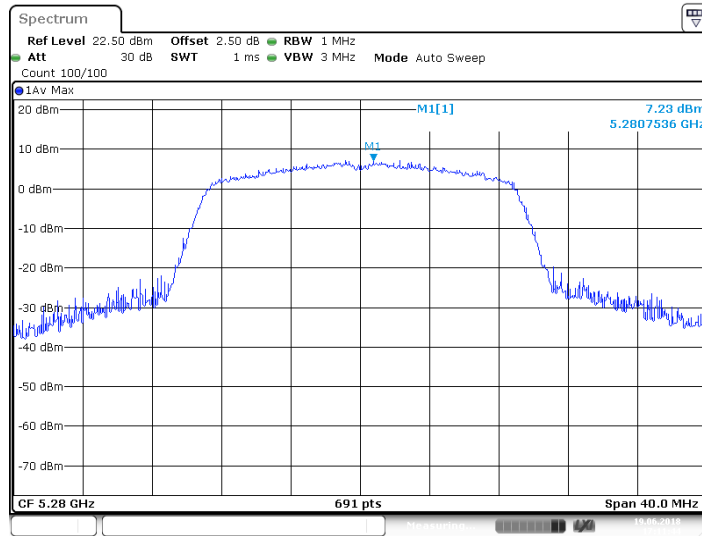
Date: 19 JUN 2018 17:03:20

11n HT20_Ant1_5260



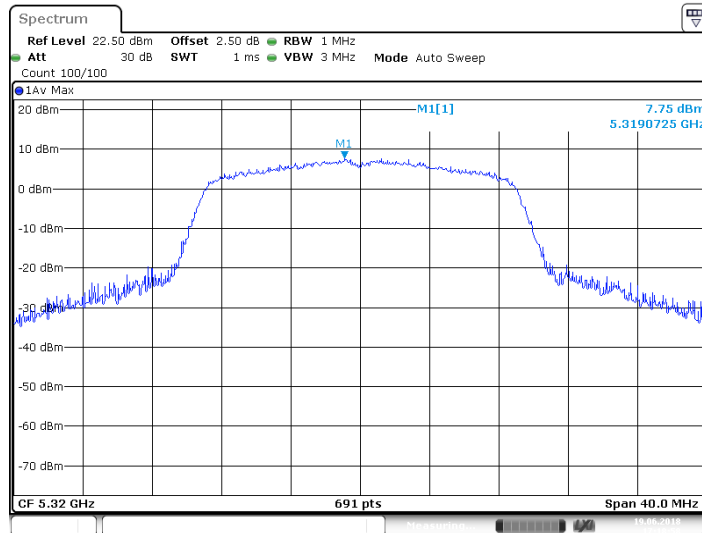
Date: 19 JUN 2018 17:07:50

11n HT20_Ant1_5280



Date: 19 JUN 2018 17:11:44

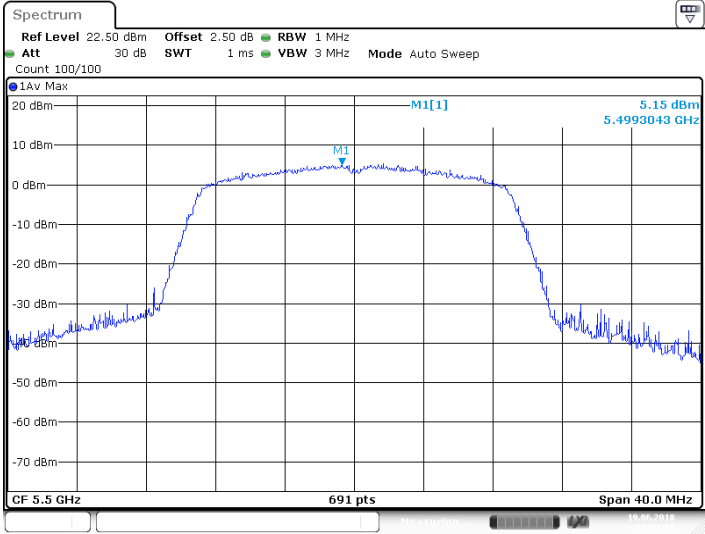
11n HT20_Ant1_5320



Date: 19 JUN 2018 17:18:58

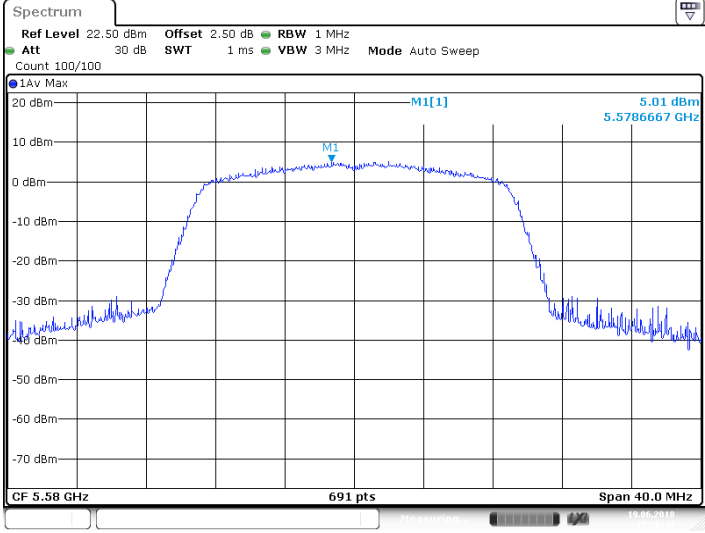


11n HT20_Ant1_5500



Date: 19 JUN 2018 17:22:57

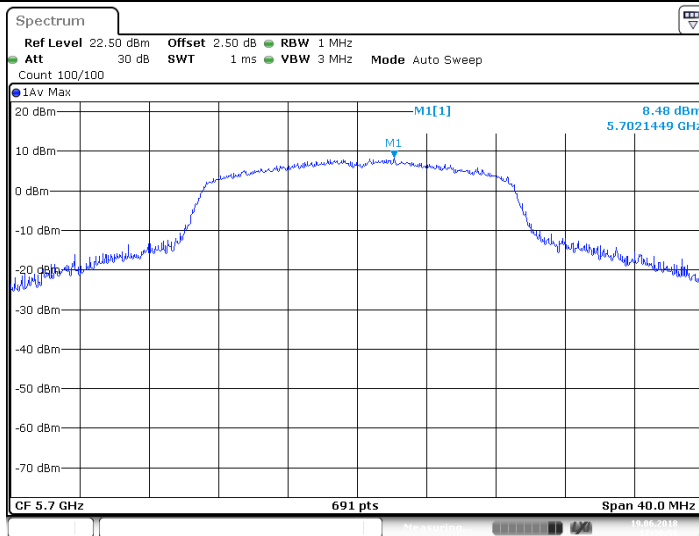
11n HT20_Ant1_5580



Date: 19 JUN 2018 17:26:47

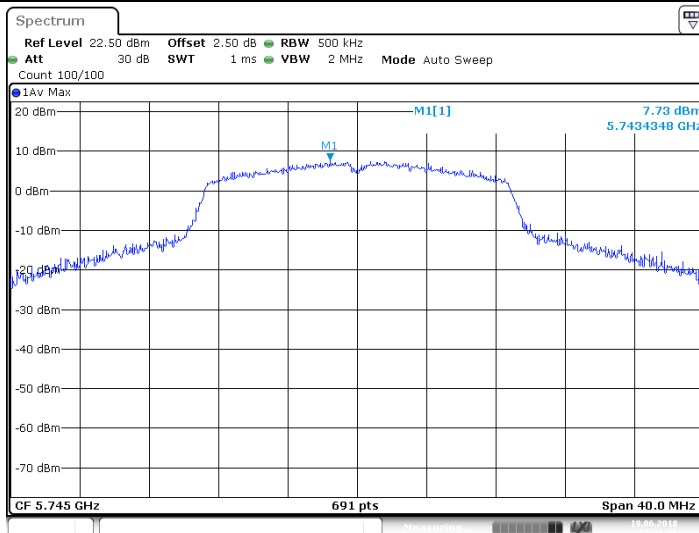


11n HT20_Ant1_5700



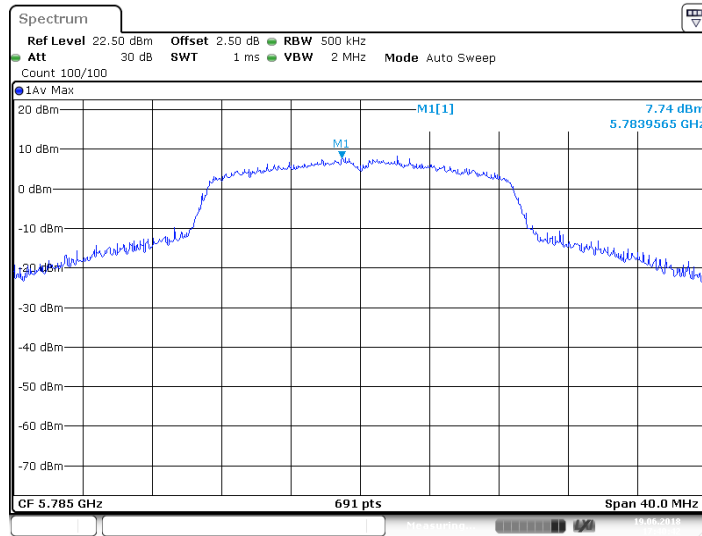
Date: 19 JUN 2018 17:30:59

11n HT20_Ant1_5745



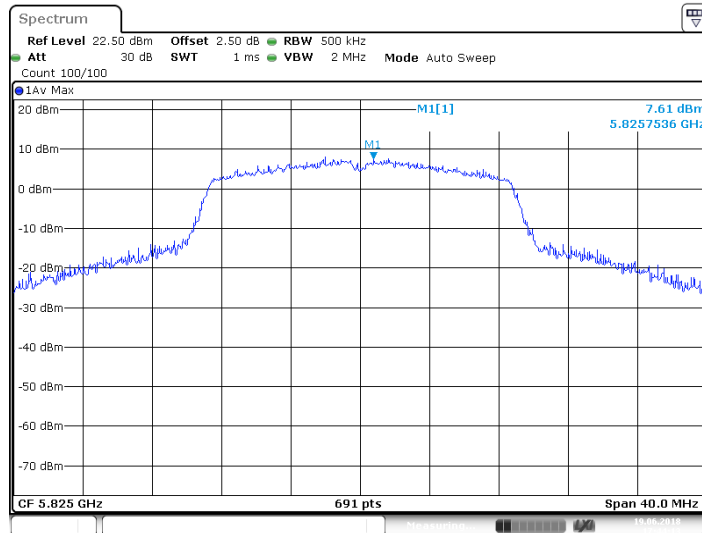
Date: 19 JUN 2018 17:36:27

11n HT20_Ant1_5785



Date: 19 JUN 2018 17:40:42

11n HT20_Ant1_5825



Date: 19 JUN 2018 17:44:14

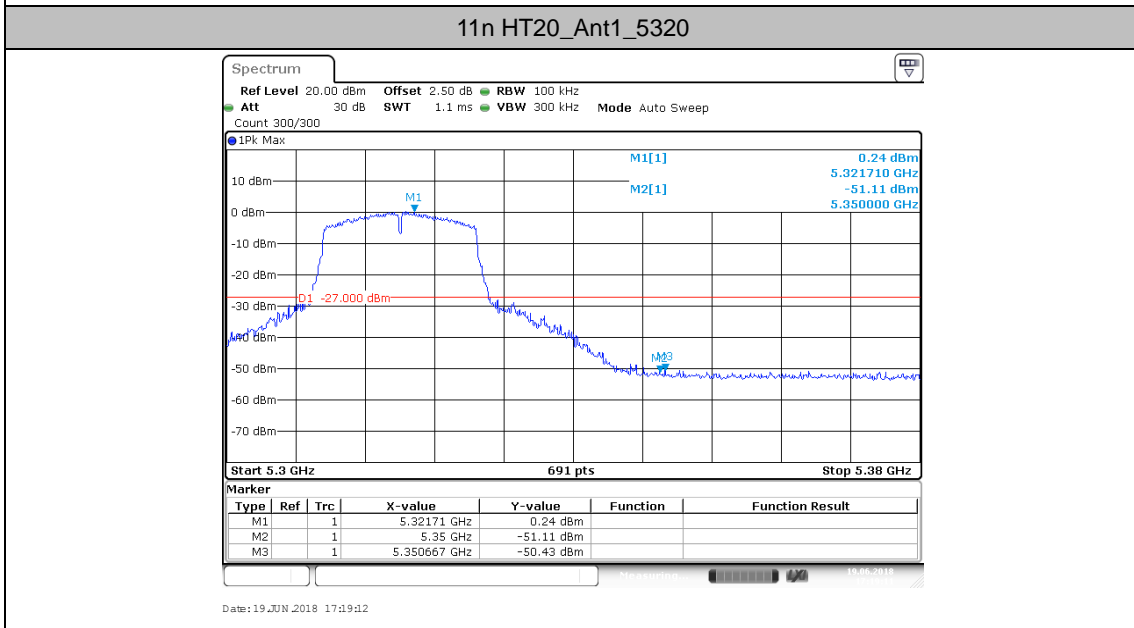
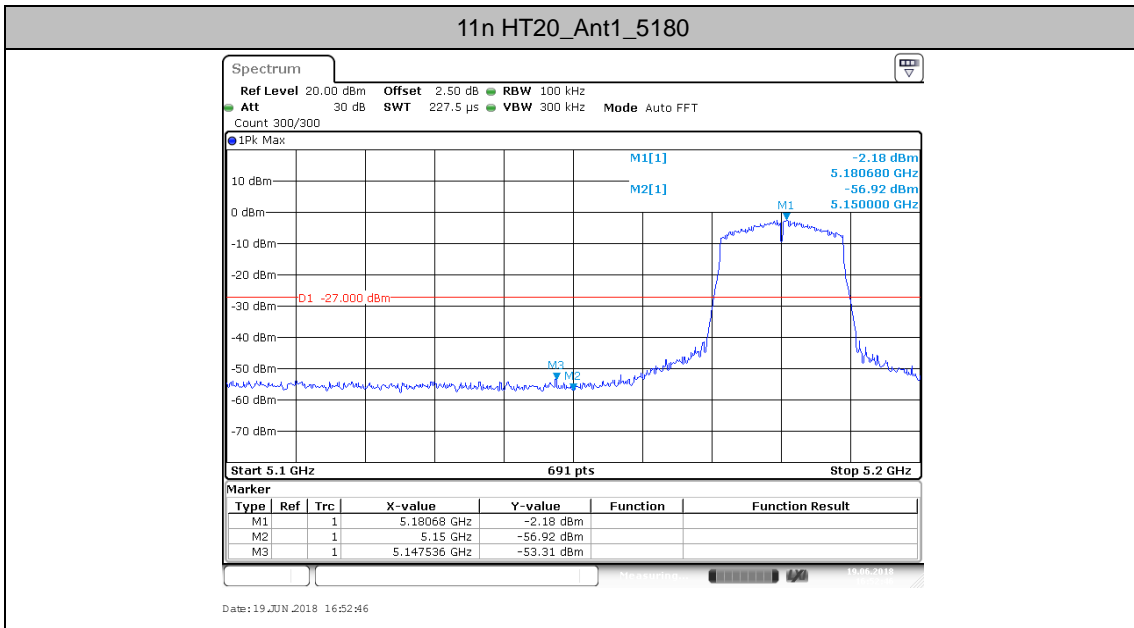
AppendixE6: Band edge measurements

Test Result

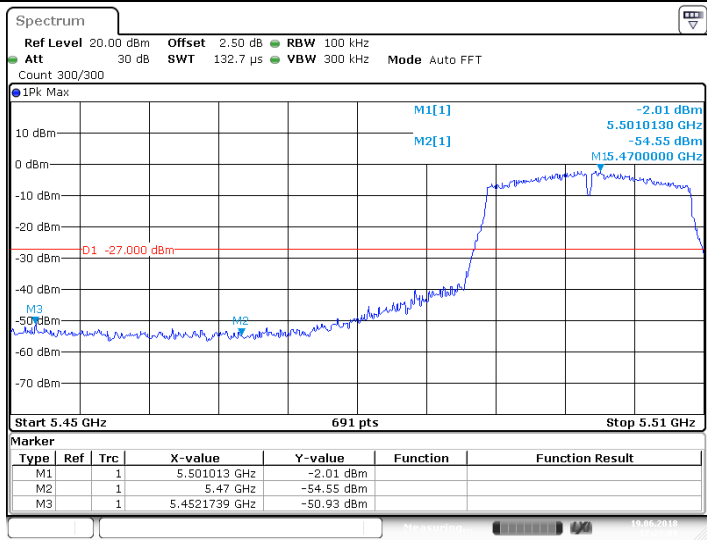
TestMode	Antenna	ChName	Channel (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	Low	5180	-53.31	-27	PASS
		High	5320	-50.43	-27	PASS
		Low	5500	-50.93	-27	PASS
		High	5700	-38.58	-27	PASS

TestMode	Antenna	ChName	Channel (MHz)	FreqRange (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	Low	5745	5650~5700	-51.64	9.38	PASS
		Low	5745	5700~5720	-38.21	15.60	PASS
		Low	5745	5720~5725	-30.08	27.00	PASS
		Low	5745	5760~5650	-54.14	-27	PASS
		High	5825	5850~5855	-45.26	15.80	PASS
		High	5825	5855~5875	-49.69	10.27	PASS
		High	5825	5875~5925	-51.49	9.58	PASS
		High	5825	5925~5935	-52.81	-27	PASS

Test Graphs

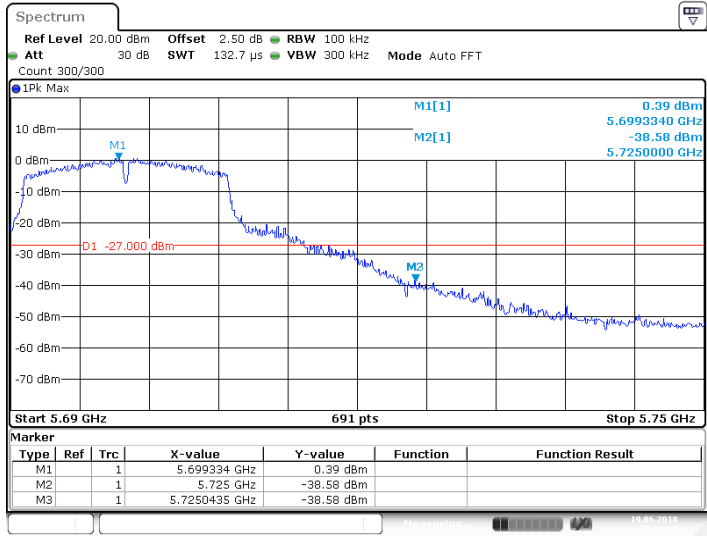


11n HT20_Ant1_5500



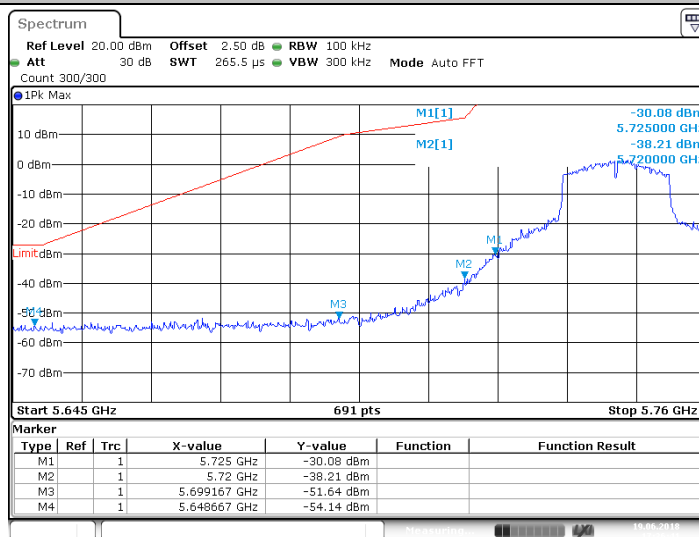
Date: 19 JUN 2018 17:23:10

11n HT20_Ant1_5700



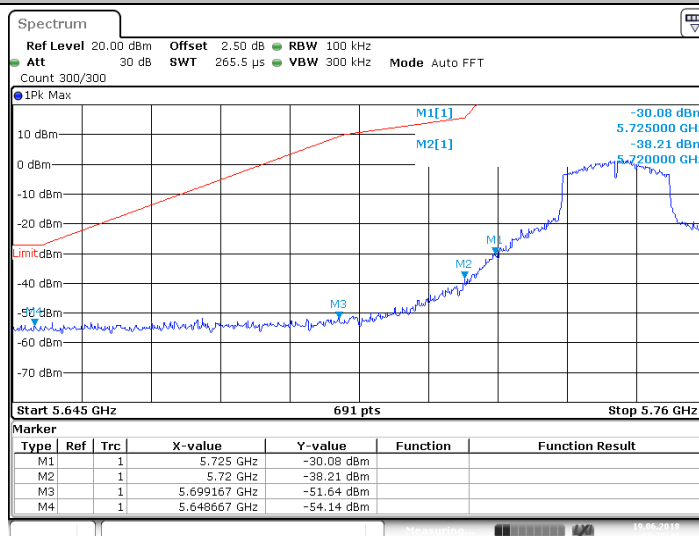
Date: 19 JUN 2018 17:31:12

11n HT20_Ant1_5745



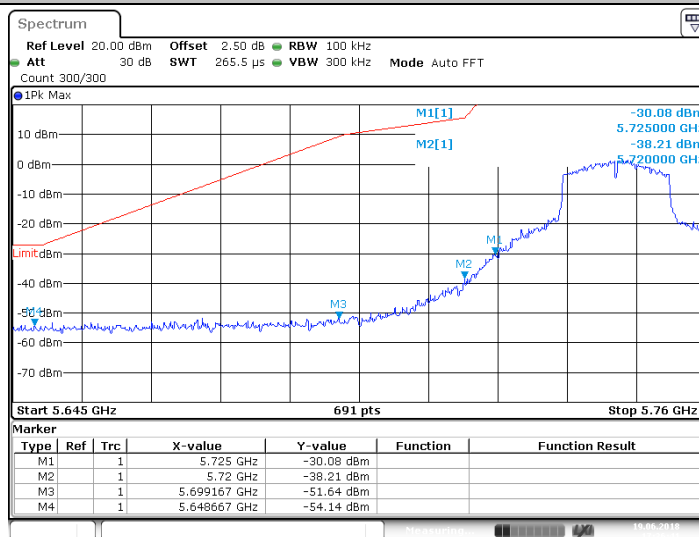
Date: 19 JUN 2018 17:36:41

11n HT20_Ant1_5745



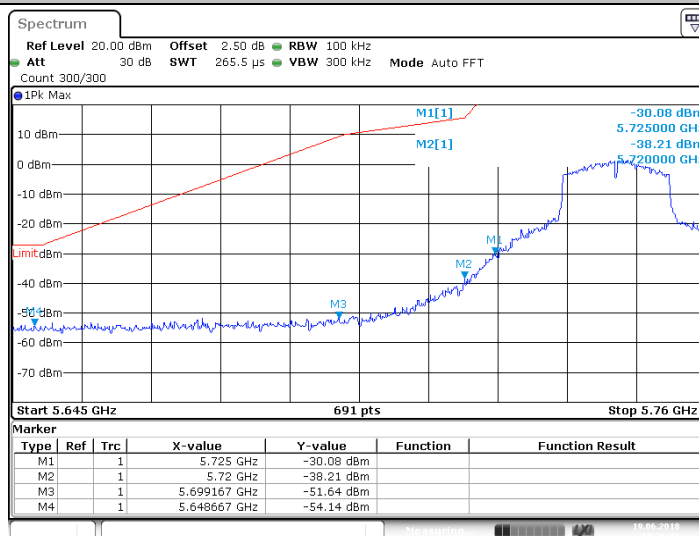
Date: 19 JUN 2018 17:36:41

11n HT20_Ant1_5745



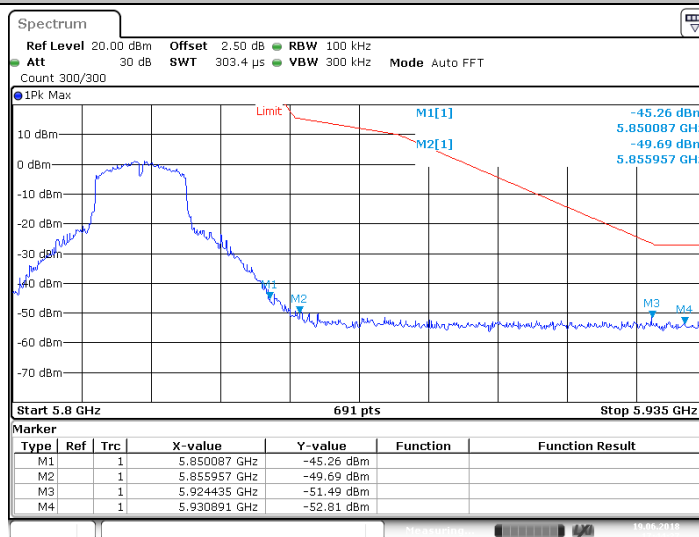
Date: 19 JUN 2018 17:36:41

11n HT20_Ant1_5745



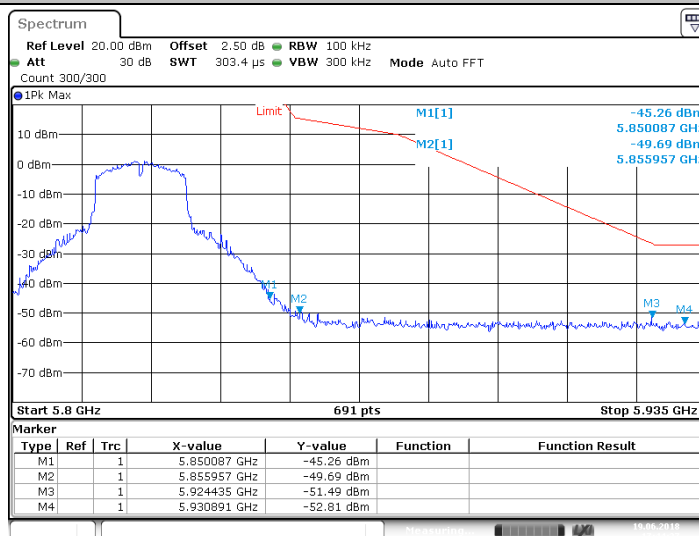
Date: 19 JUN 2018 17:36:41

11n HT20_Ant1_5825



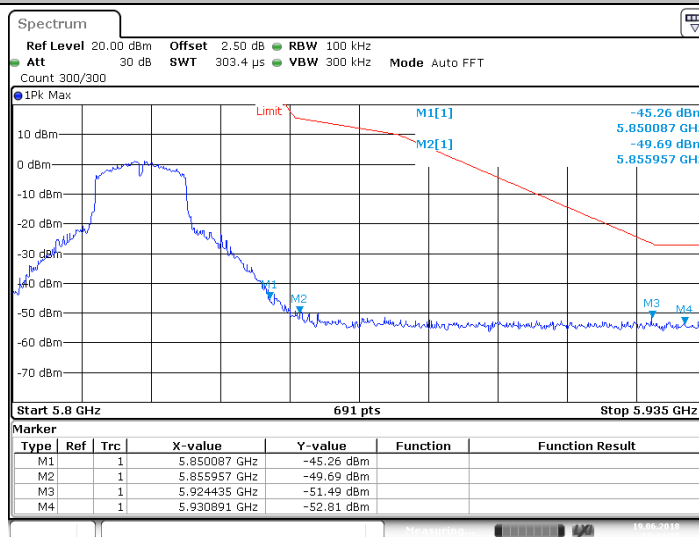
Date: 19 JUN 2018 17:44:27

11n HT20_Ant1_5825



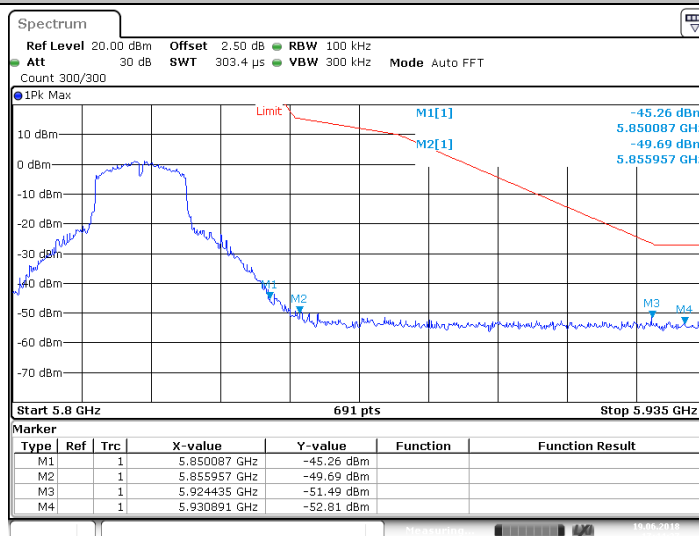
Date: 19 JUN 2018 17:44:27

11n HT20_Ant1_5825



Date: 19 JUN 2018 17:44:27

11n HT20_Ant1_5825



Date: 19 JUN 2018 17:44:27

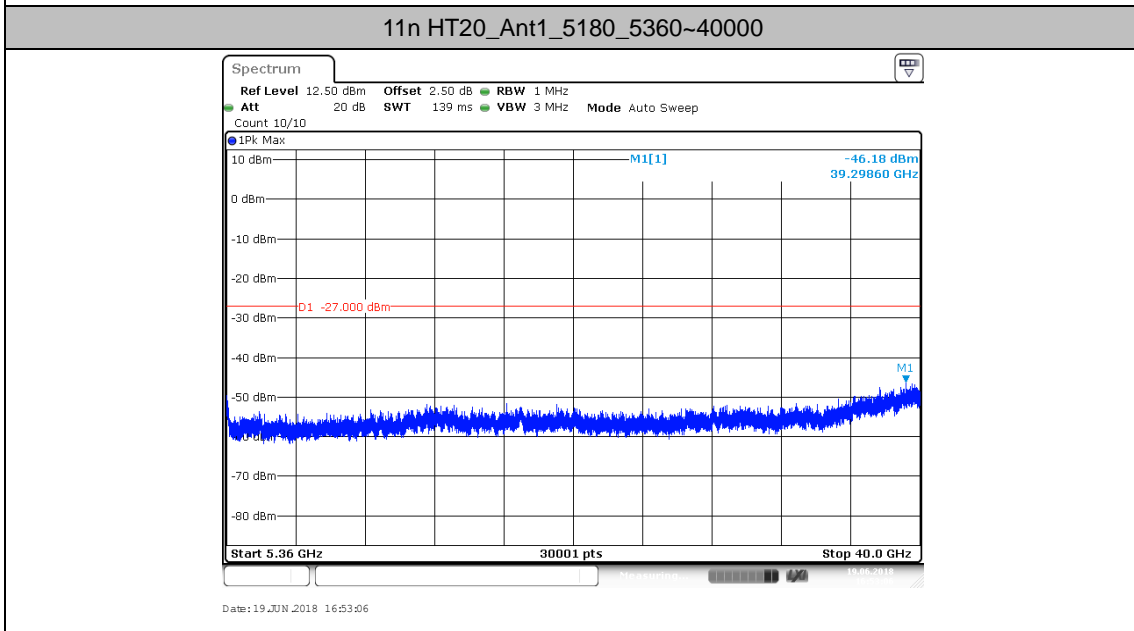
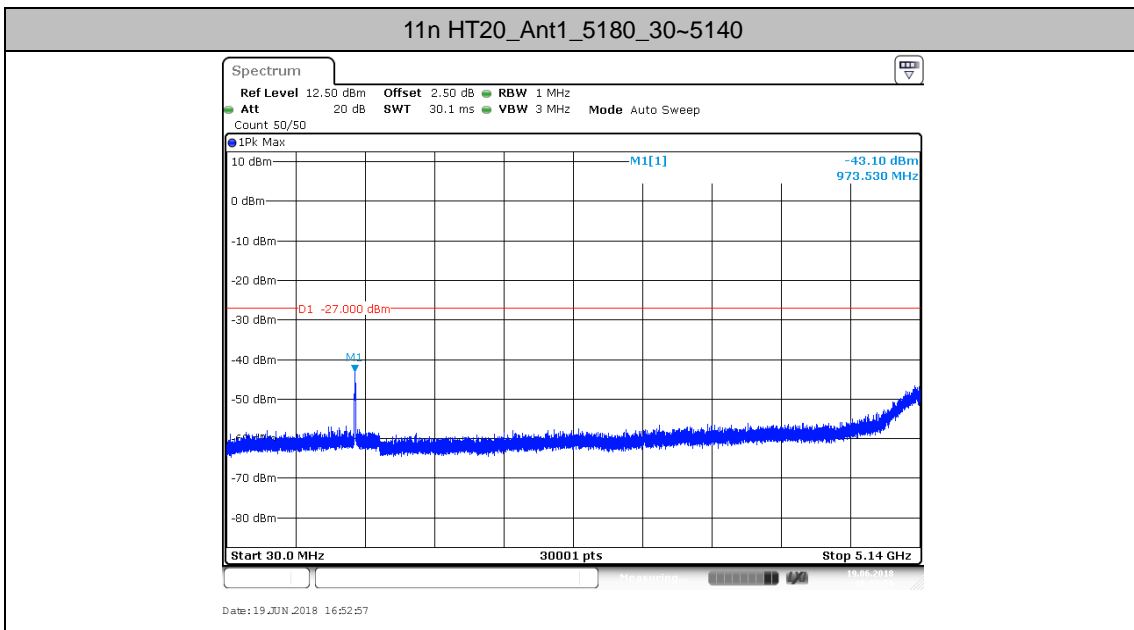


AppendixE7: Conducted SpuriousEmission

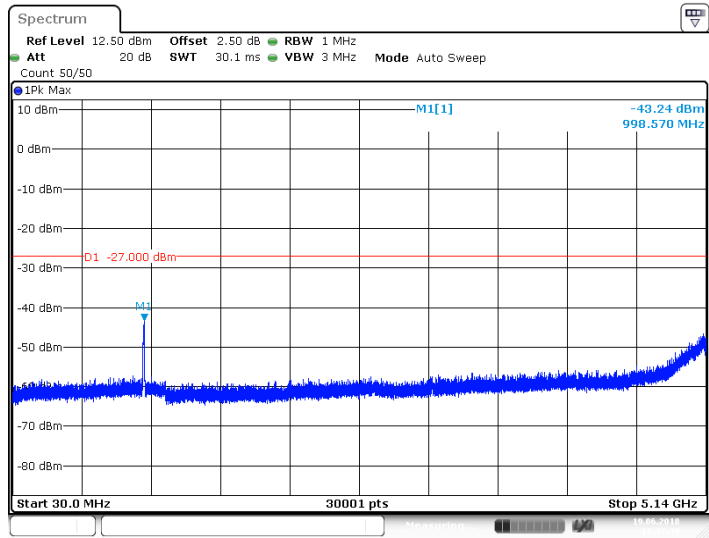
Test Result

TestMode	Antenna	Channel (MHz)	FreqRange (MHz)	Max. Fre (MHz)	Max. Level (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	5180	30~5140	973.53	-43.1	-27	PASS
		5180	5360~40000	39298.60	-46.18	-27	PASS
		5200	30~5140	998.57	-43.24	-27	PASS
		5200	5360~40000	39745.40	-46.59	-27	PASS
		5240	30~5140	1033.83	-42.7	-27	PASS
		5240	5360~40000	39784.70	-47.21	-27	PASS
		5260	30~5140	1054.78	-43.52	-27	PASS
		5260	5360~40000	5379.10	-46.74	-27	PASS
		5280	30~5140	1075.22	-44.1	-27	PASS
		5280	5360~40000	5365.20	-45.96	-27	PASS
		5320	30~5140	1113.03	-45.84	-27	PASS
		5320	5360~40000	39655.30	-45.75	-27	PASS
		5500	30~5460	5448.87	-44.41	-27	PASS
		5500	5735~40000	39511.70	-46.93	-27	PASS
		5580	30~5460	5451.22	-47.67	-27	PASS
		5580	5735~40000	11155.00	-44.79	-27	PASS
		5700	30~5460	1496.68	-50.66	-27	PASS
		5700	5735~40000	5735.60	-38.26	-27	PASS
		5745	30~5650	5646.53	-46.59	-27	PASS
		5745	5925~40000	17233.50	-35.87	-27	PASS
5785	30~5650	5648.78	-48.09	-27	PASS		
5785	5925~40000	17358.50	-35.54	-27	PASS		
5825	30~5650	1619.56	-50.19	-27	PASS		
5825	5925~40000	17473.20	-35.57	-27	PASS		

Test Graphs

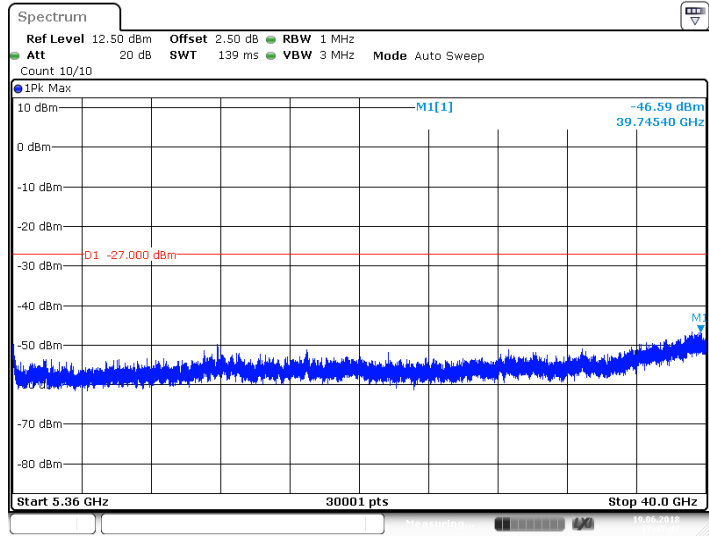


11n HT20_Ant1_5200_30~5140



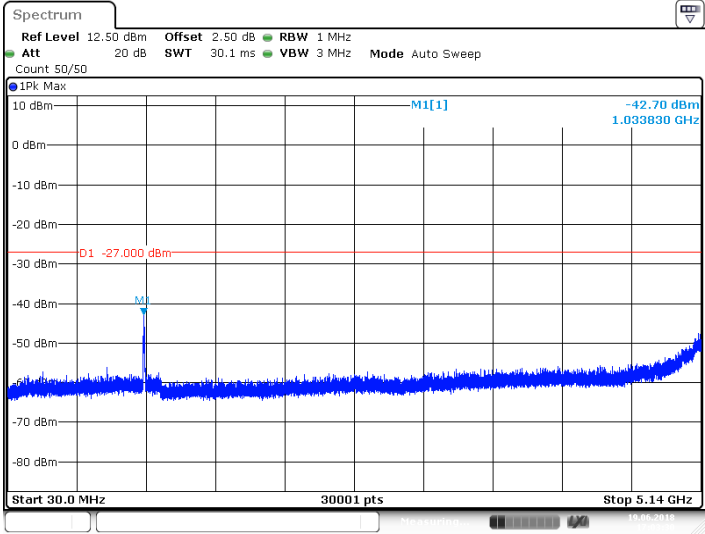
Date: 19 JUN 2018 17:47:39

11n HT20_Ant1_5200_5360~40000



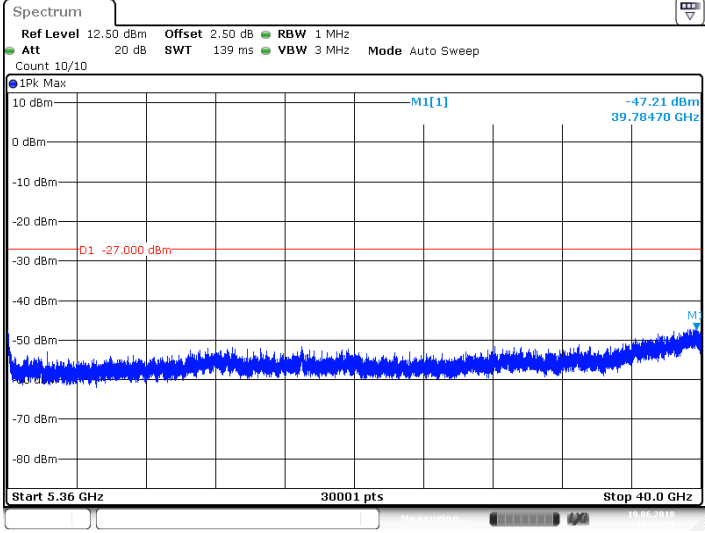
Date: 19 JUN 2018 17:47:47

11n HT20_Ant1_5240_30~5140



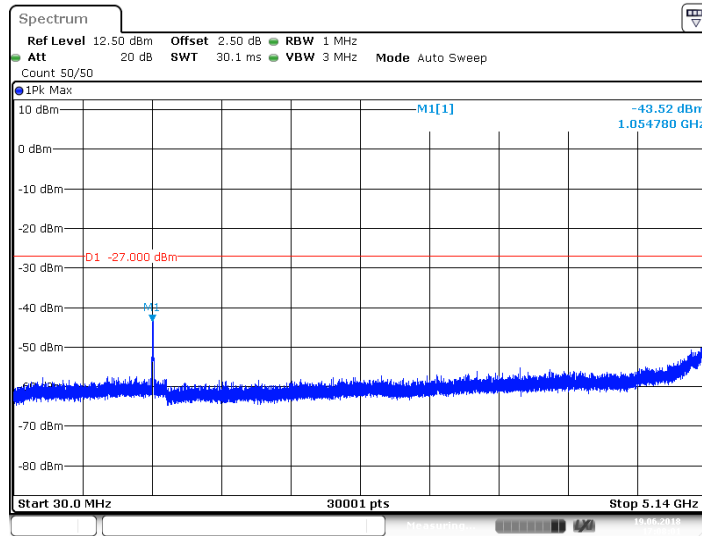
Date: 19 JUN 2018 17:03:30

11n HT20_Ant1_5240_5360~40000



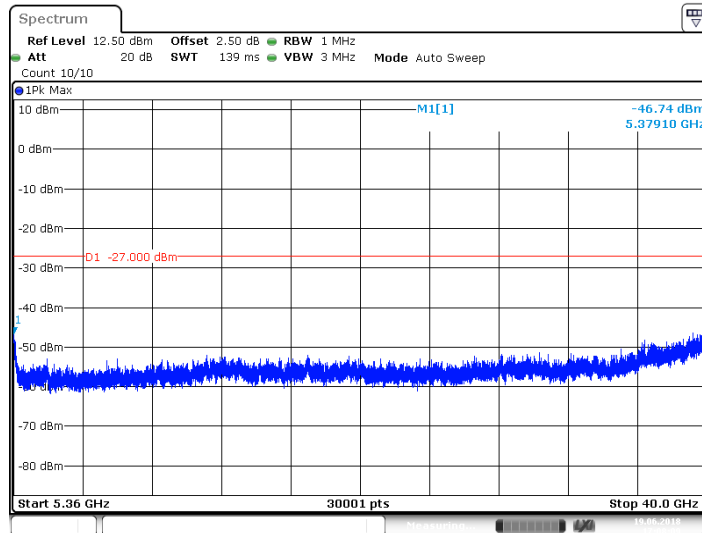
Date: 19 JUN 2018 17:03:39

11n HT20_Ant1_5260_30~5140



Date: 19 JUN 2018 17:08:01

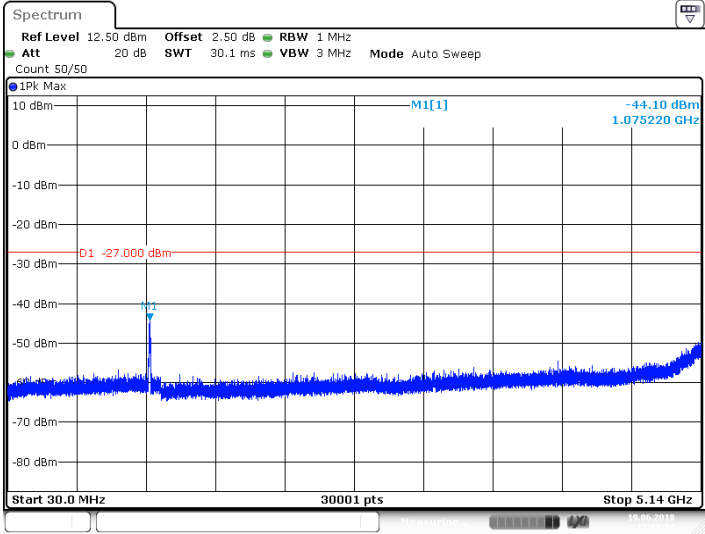
11n HT20_Ant1_5260_5360~40000



Date: 19 JUN 2018 17:08:10

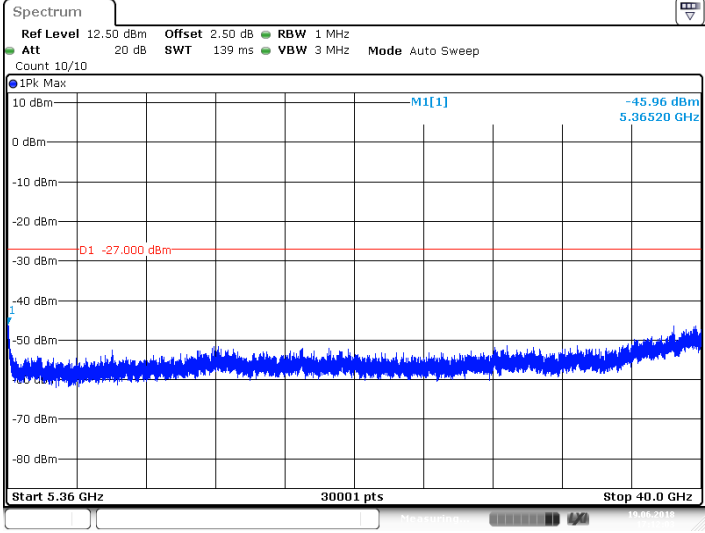


11n HT20_Ant1_5280_30~5140



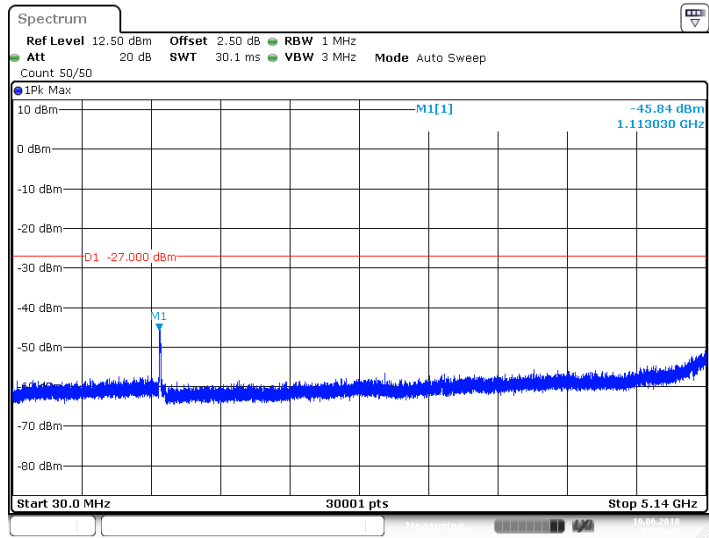
Date: 19 JUN 2018 17:11:55

11n HT20_Ant1_5280_5360~40000



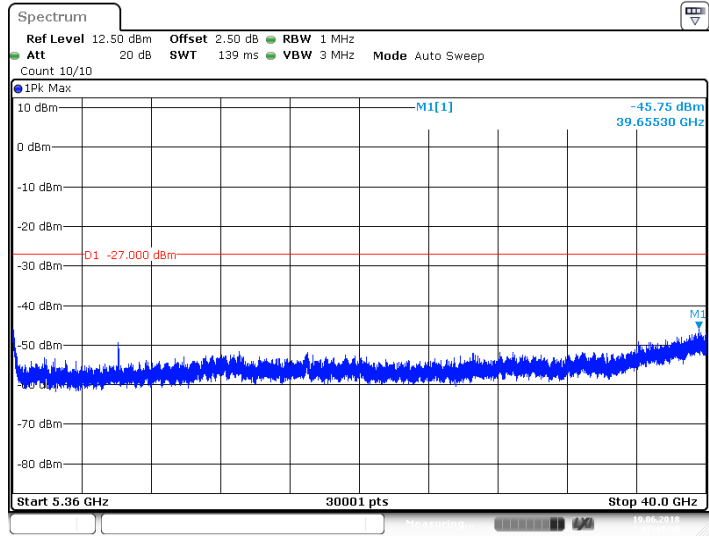
Date: 19 JUN 2018 17:12:03

11n HT20_Ant1_5320_30~5140



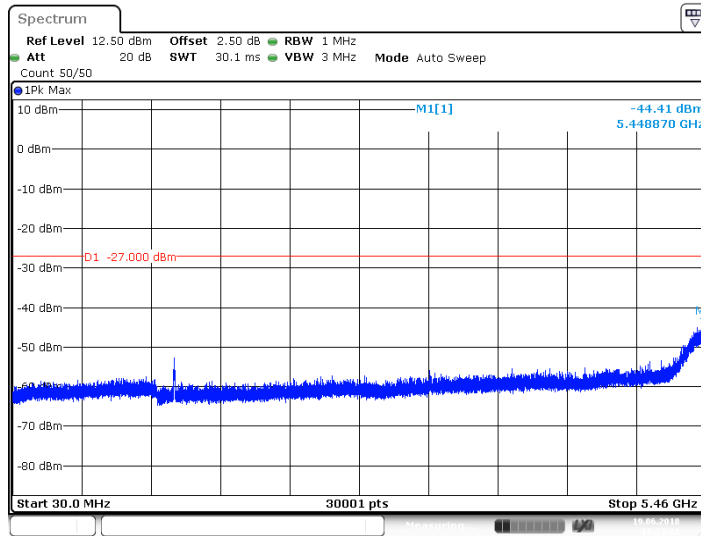
Date: 19 JUN 2018 17:19:23

11n HT20_Ant1_5320_5360~40000



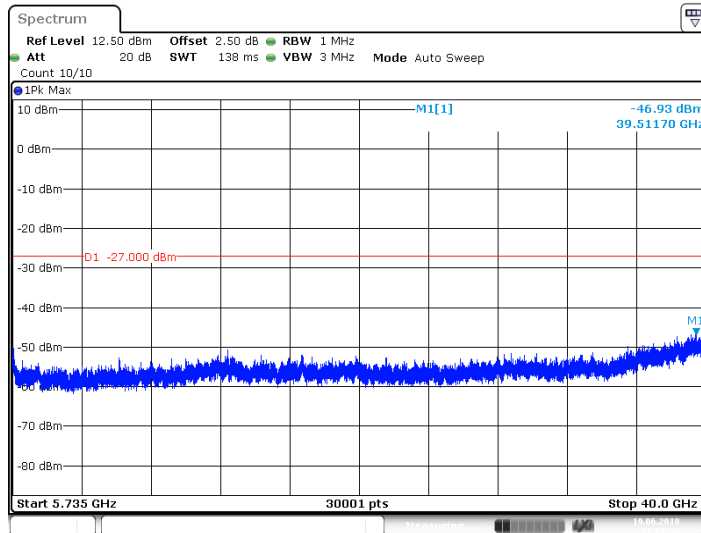
Date: 19 JUN 2018 17:19:31

11n HT20_Ant1_5500_30~5460



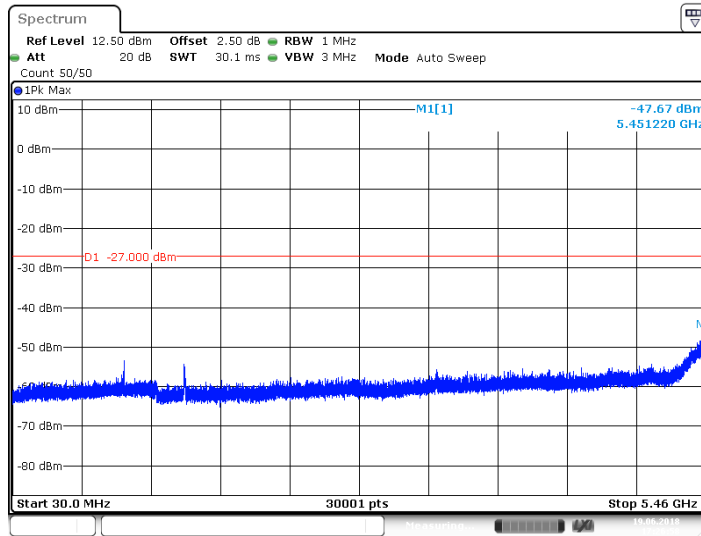
Date: 19 JUN 2018 17:23:21

11n HT20_Ant1_5500_5735~40000



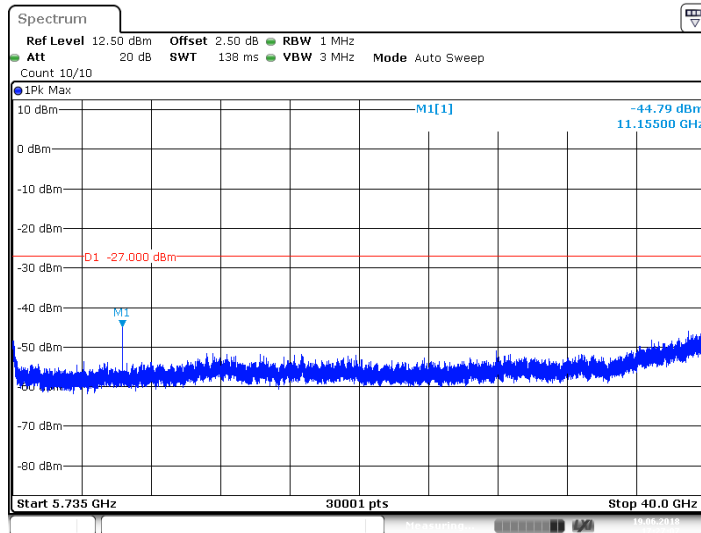
Date: 19 JUN 2018 17:23:30

11n HT20_Ant1_5580_30~5460



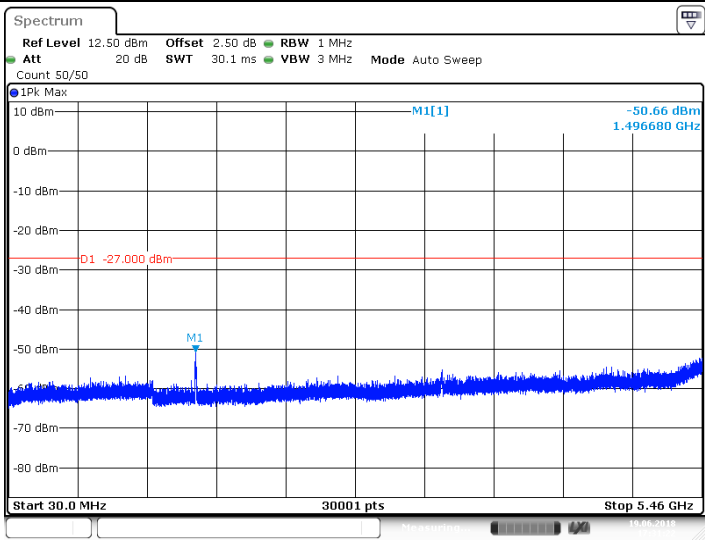
Date: 19 JUN 2018 17:26:58

11n HT20_Ant1_5580_5735~40000

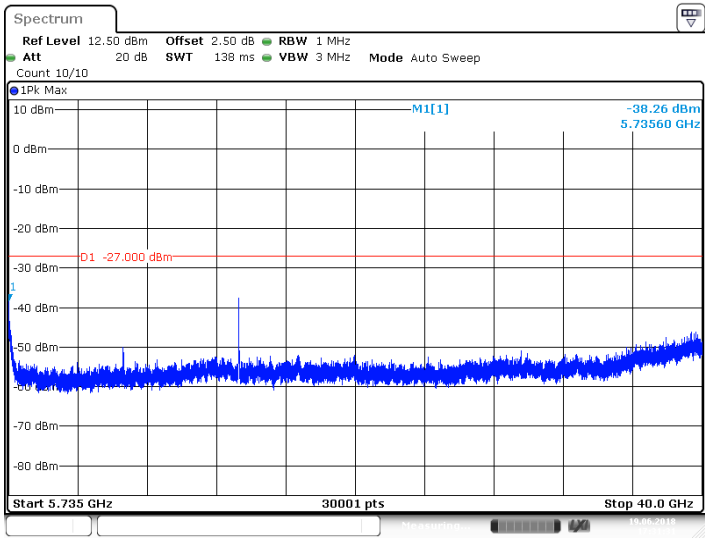


Date: 19 JUN 2018 17:27:07

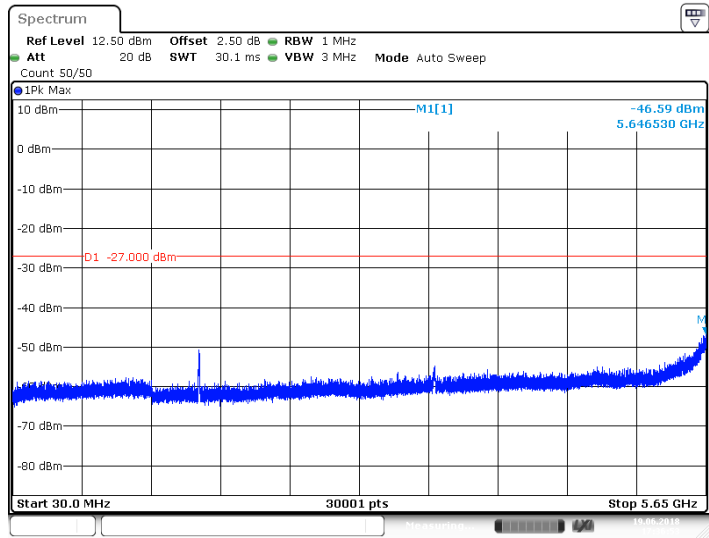
11n HT20_Ant1_5700_30~5460



11n HT20_Ant1_5700_5735~40000

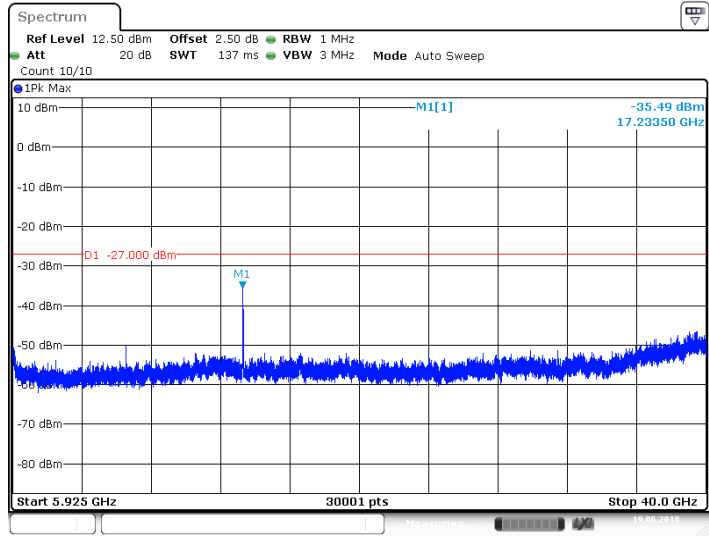


11n HT20_Ant1_5745_30~5650



Date: 19 JUN 2018 17:36:53

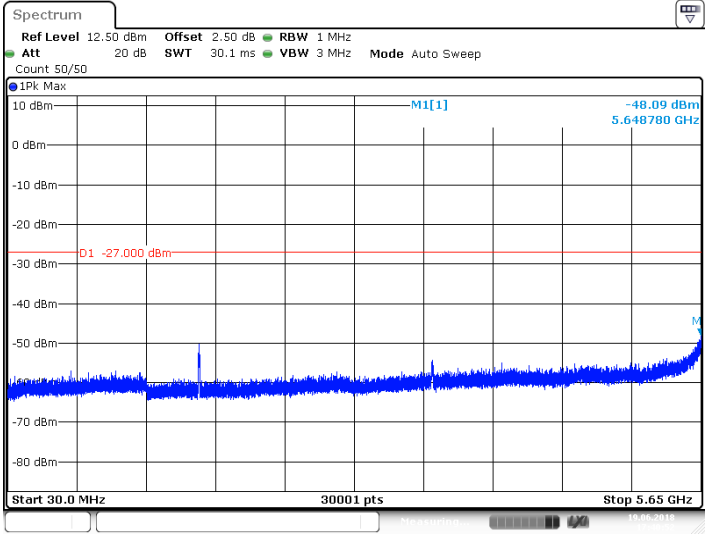
11n HT20_Ant1_5745_5925~40000



Date: 19 JUN 2018 17:37:02

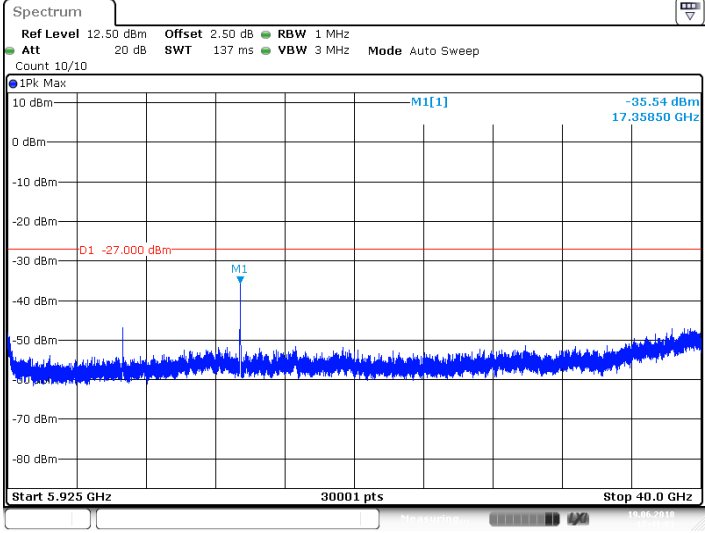


11n HT20_Ant1_5785_30~5650



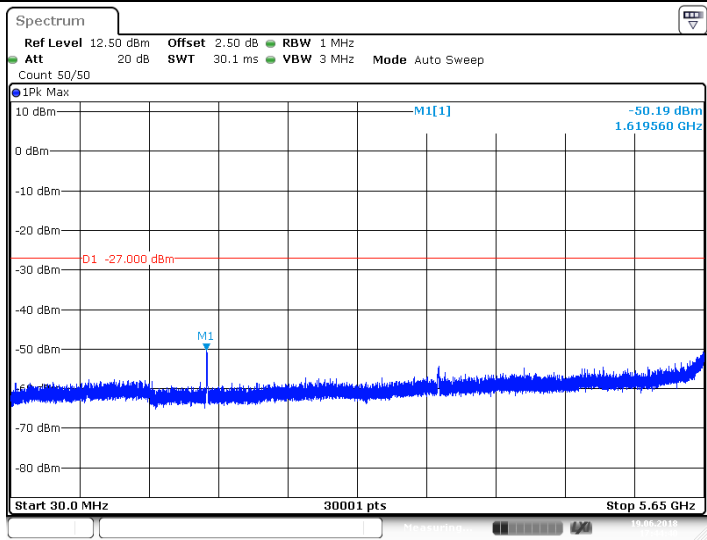
Date: 19 JUN 2018 17:40:53

11n HT20_Ant1_5785_5925~40000



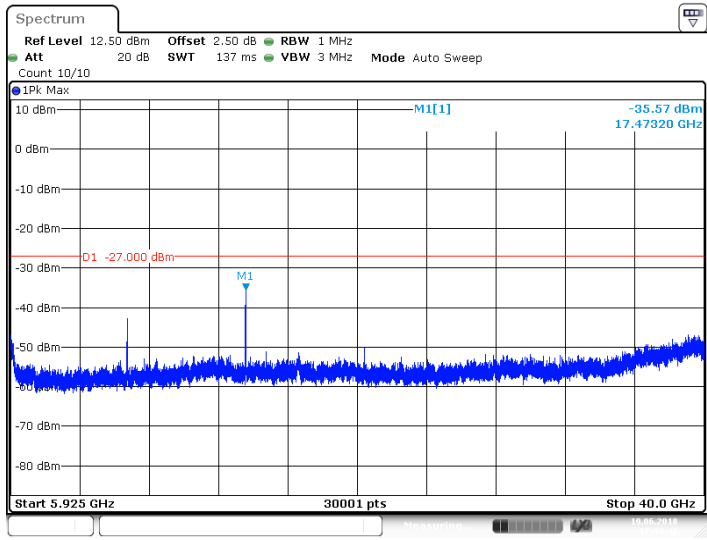
Date: 19 JUN 2018 17:41:01

11n HT20_Ant1_5825_30~5650



Date: 19 JUN 2018 17:44:40

11n HT20_Ant1_5825_5925~40000



Date: 19 JUN 2018 17:44:49



AppendixE8: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11n HT20	Ant1	5180	NV	NT	0	0	20	PASS
		5180	LV	NT	0	0	20	PASS
		5180	HV	NT	0	0	20	PASS
		5200	NV	NT	15000	2.884615	20	PASS
		5200	LV	NT	30000	5.769231	20	PASS
		5200	HV	NT	0	0	20	PASS
		5240	NV	NT	15000	2.862595	20	PASS
		5240	LV	NT	15000	2.862595	20	PASS
		5240	HV	NT	0	0	20	PASS
		5260	NV	NT	0	0	20	PASS
		5260	LV	NT	-15000	-2.851711	20	PASS
		5260	HV	NT	0	0	20	PASS
		5280	NV	NT	15000	2.840909	20	PASS
		5280	LV	NT	0	0	20	PASS
		5280	HV	NT	0	0	20	PASS
		5320	NV	NT	15000	2.819549	20	PASS
		5320	LV	NT	15000	2.819549	20	PASS
		5320	HV	NT	-15000	-2.819549	20	PASS
		5500	NV	NT	0	0	20	PASS
		5500	LV	NT	0	0	20	PASS
		5500	HV	NT	0	0	20	PASS
		5580	NV	NT	0	0	20	PASS
		5580	LV	NT	-15000	-2.688172	20	PASS
		5580	HV	NT	-15000	-2.688172	20	PASS
		5700	NV	NT	0	0	20	PASS
		5700	LV	NT	15000	2.631579	20	PASS
		5700	HV	NT	15000	2.631579	20	PASS
		5745	NV	NT	15000	2.610966	20	PASS
		5745	LV	NT	0	0	20	PASS
		5745	HV	NT	0	0	20	PASS
		5785	NV	NT	0	0	20	PASS
		5785	LV	NT	0	0	20	PASS
5785	HV	NT	0	0	20	PASS		
5825	NV	NT	0	0	20	PASS		
5825	LV	NT	15000	2.575107	20	PASS		
5825	HV	NT	-15000	-2.575107	20	PASS		



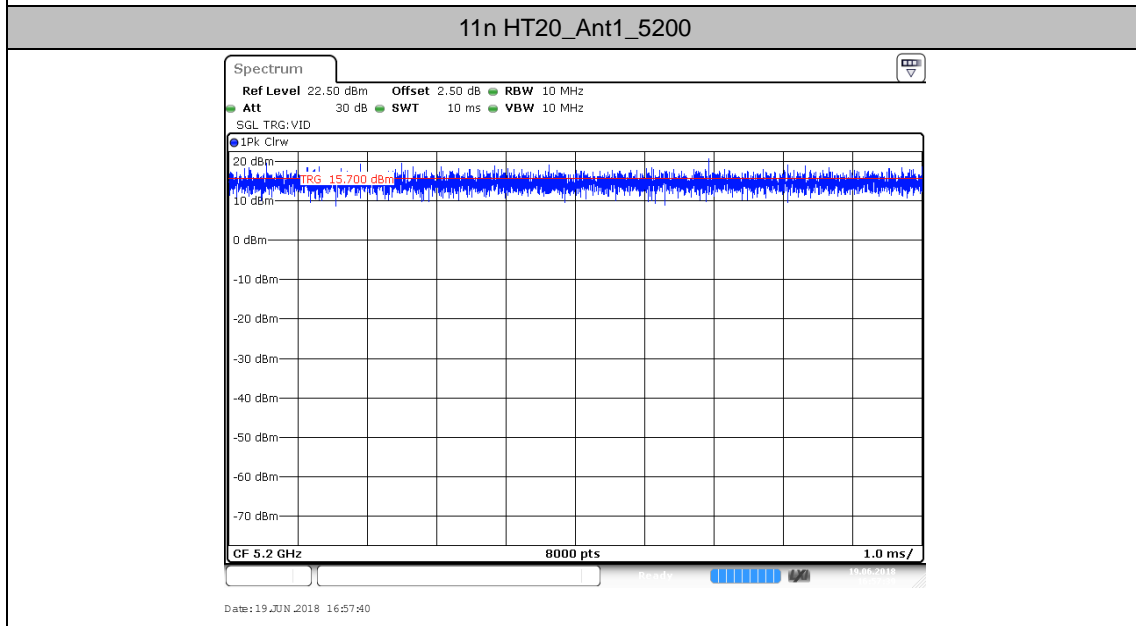
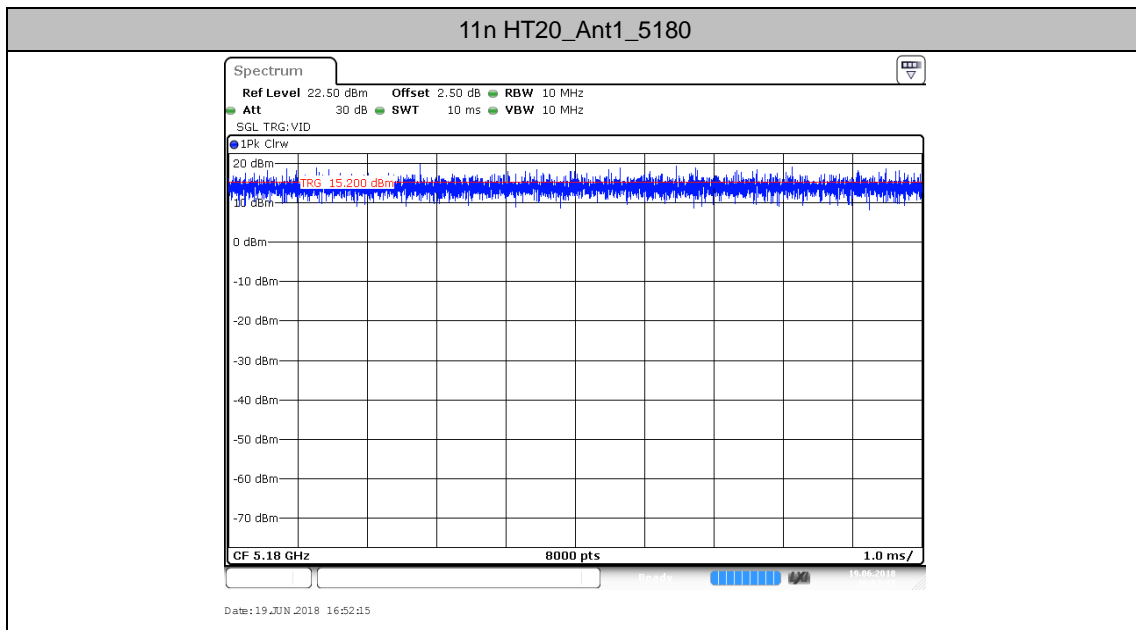
Temperature								
TestMode	Antenna	Channel (MHz)	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11n HT20	Ant1	5180	NV	-5	15000	2.895753	20	PASS
		5180	NV	50	-15000	-2.895753	20	PASS
		5200	NV	-5	0	0	20	PASS
		5200	NV	50	0	0	20	PASS
		5240	NV	-5	0	0	20	PASS
		5240	NV	50	0	0	20	PASS
		5260	NV	-5	0	0	20	PASS
		5260	NV	50	0	0	20	PASS
		5280	NV	-5	15000	2.840909	20	PASS
		5280	NV	50	-15000	-2.840909	20	PASS
		5320	NV	-5	0	0	20	PASS
		5320	NV	50	0	0	20	PASS
		5500	NV	-5	0	0	20	PASS
		5500	NV	50	0	0	20	PASS
		5580	NV	-5	0	0	20	PASS
		5580	NV	50	-15000	-2.688172	20	PASS
		5700	NV	-5	0	0	20	PASS
		5700	NV	50	0	0	20	PASS
		5745	NV	-5	15000	2.610966	20	PASS
		5745	NV	50	-15000	-2.610966	20	PASS
		5785	NV	-5	0	0	20	PASS
		5785	NV	50	0	0	20	PASS
		5825	NV	-5	15000	2.575107	20	PASS
		5825	NV	50	0	0	20	PASS

AppendixE9: DutyCycle

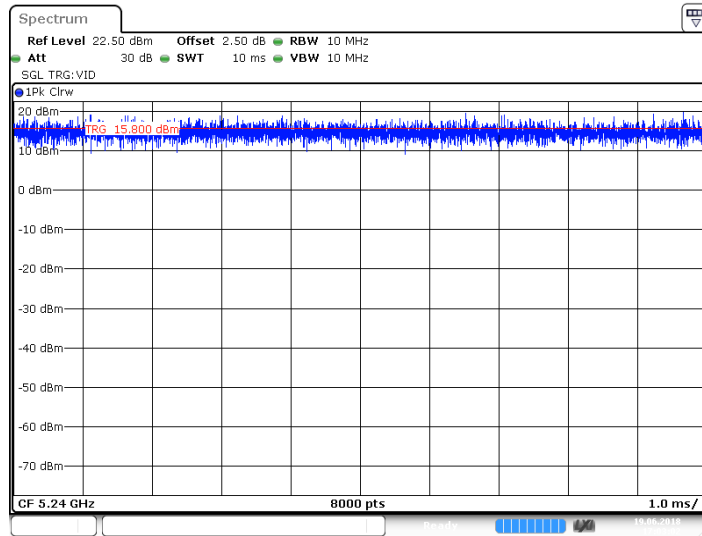
Test Result

TestMode	Antenna	Channel (MHz)	DutyCycle[%]
11n HT20	Ant1	5180	100
		5200	100
		5240	100
		5260	100
		5280	100
		5320	100
		5500	100
		5580	100
		5700	100
		5745	100
		5785	100
		5825	100

Test Graphs

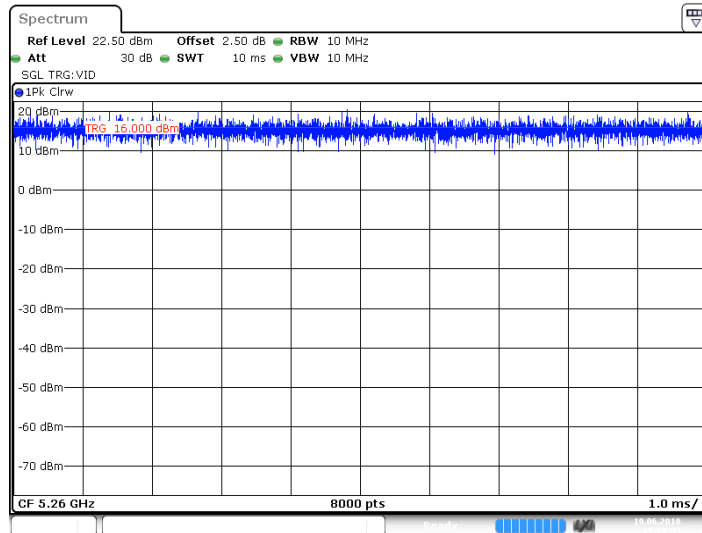


11n HT20_Ant1_5240



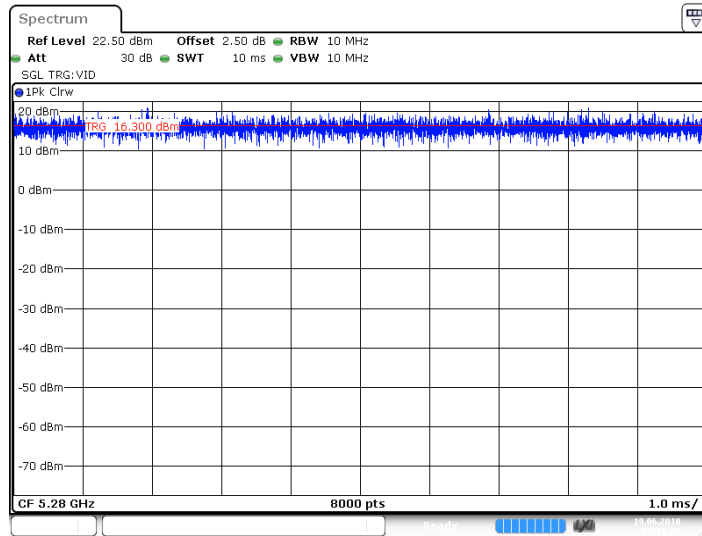
Date: 19 JUN 2018 17:03:02

11n HT20_Ant1_5260



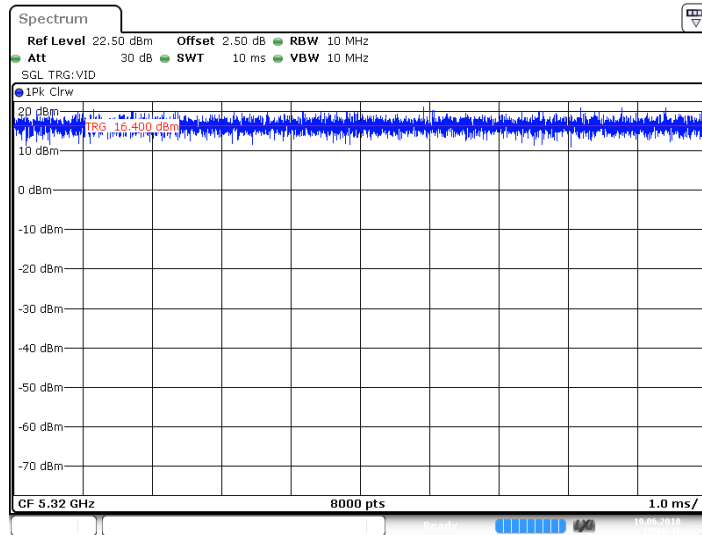
Date: 19 JUN 2018 17:07:33

11n HT20_Ant1_5280



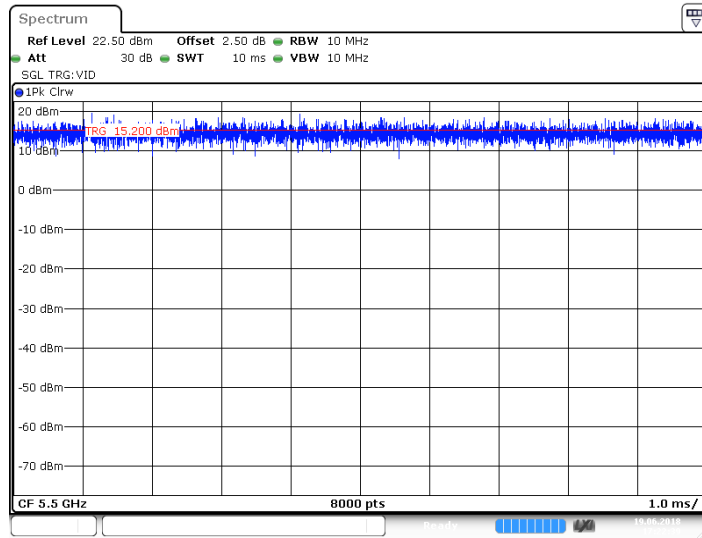
Date: 19 JUN 2018 17:11:26

11n HT20_Ant1_5320



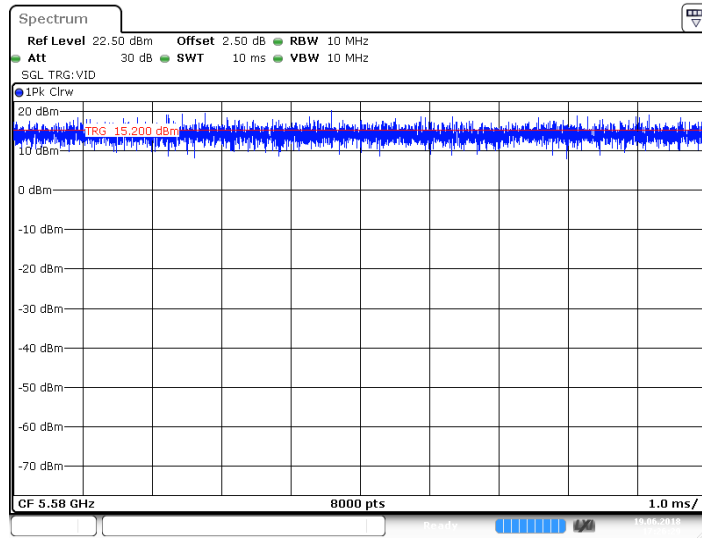
Date: 19 JUN 2018 17:18:41

11n HT20_Ant1_5500



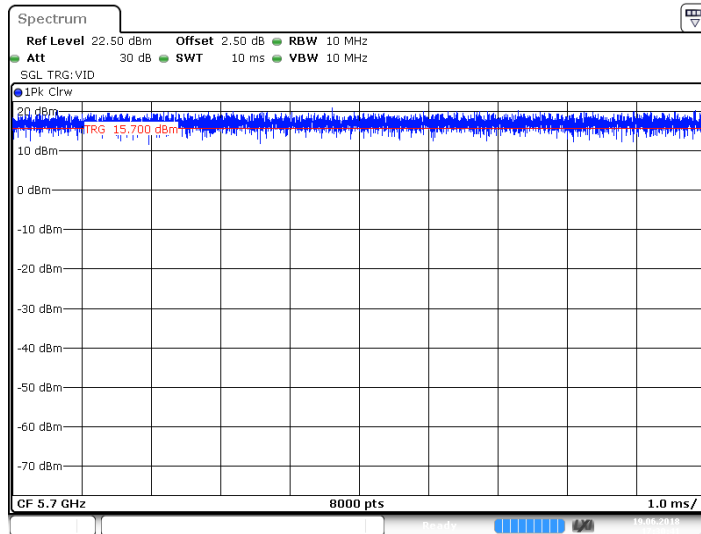
Date: 19 JUN 2018 17:22:39

11n HT20_Ant1_5580



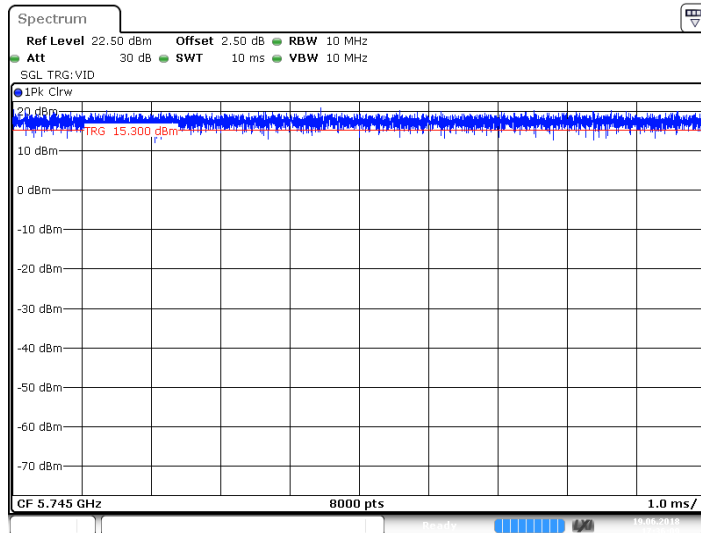
Date: 19 JUN 2018 17:26:30

11n HT20_Ant1_5700



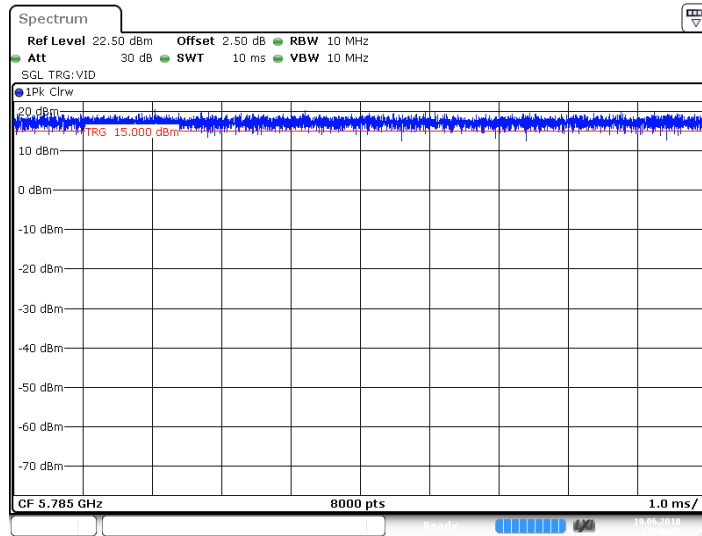
Date: 19 JUN 2018 17:30:41

11n HT20_Ant1_5745



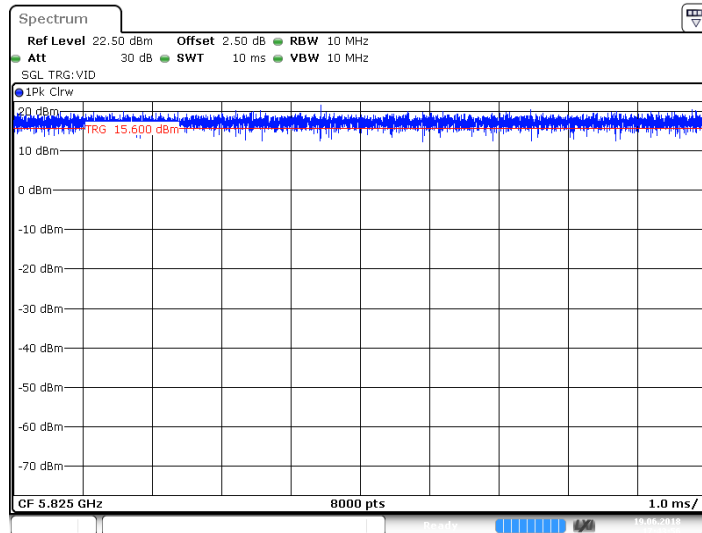
Date: 19 JUN 2018 17:36:10

11n HT20_Ant1_5785



Date: 19 JUN 2018 17:40:25

11n HT20_Ant1_5825



Date: 19 JUN 2018 17:43:56