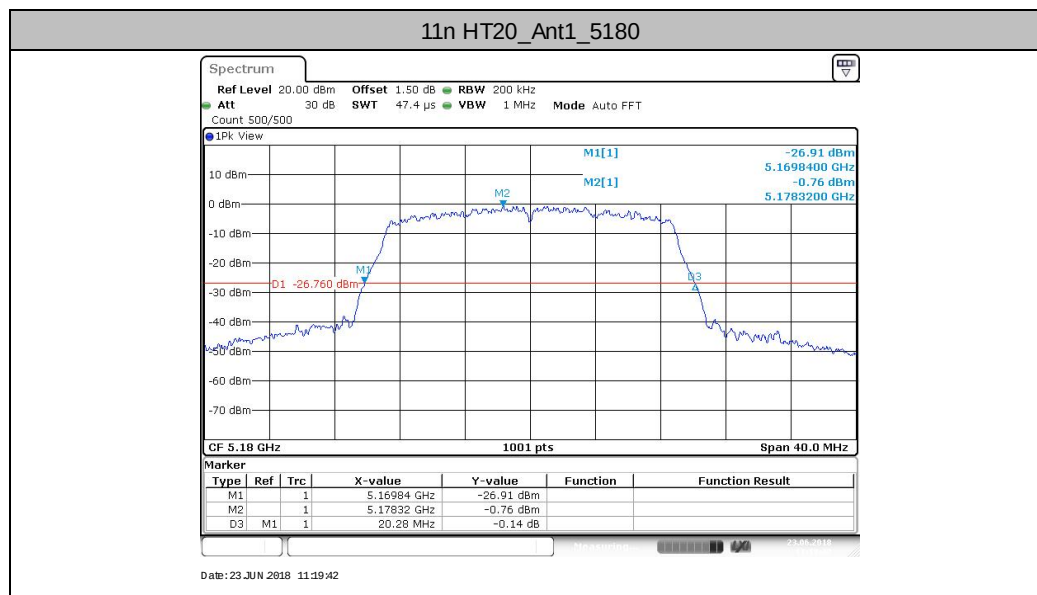


Appendix B1: Emission Bandwidth

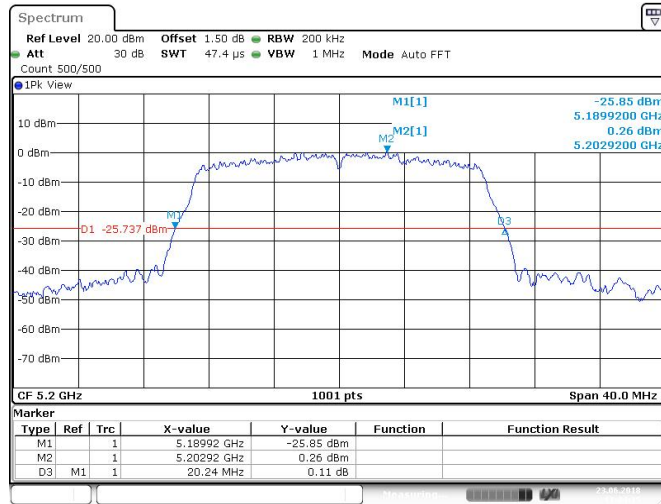
Test Result

TestMode	Antenna	Channel (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11n HT20	Ant1	5180	20.280	5169.840	5190.120	---	PASS
		5200	20.240	5189.920	5210.160	---	PASS
		5240	20.280	5229.840	5250.120	---	PASS
		5260	20.240	5249.880	5270.120	---	PASS
		5280	21.160	5269.840	5291.000	---	PASS
		5320	20.600	5309.680	5330.280	---	PASS
		5500	20.320	5489.840	5510.160	---	PASS
		5580	20.240	5569.920	5590.160	---	PASS
		5700	20.000	5690.000	5710.000	---	PASS
		5720	19.960	5710.000	5729.960	---	PASS
		5745	20.000	5735.000	5755.000	---	PASS
		5785	19.920	5775.080	5795.000	---	PASS
		5825	19.960	5815.080	5835.040	---	PASS

Test Graphs

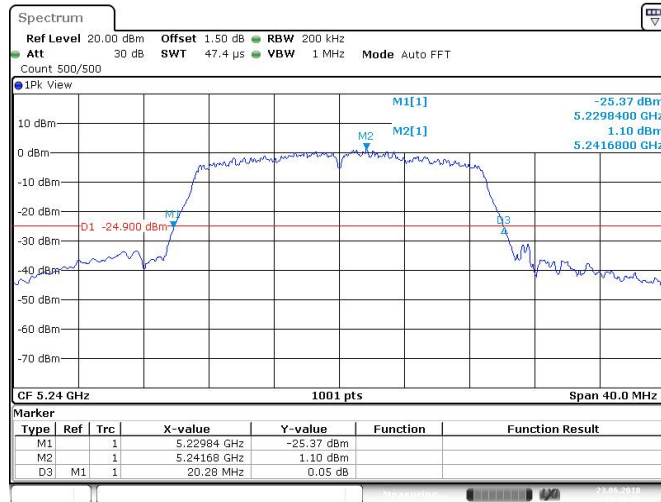


11n HT20_Ant1_5200



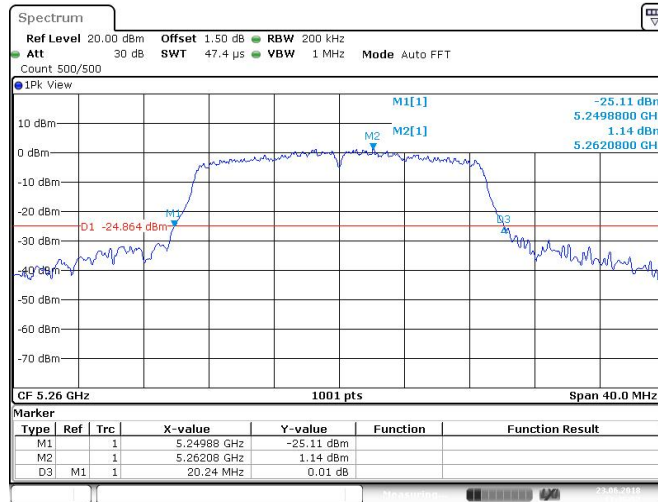
Date: 23 JUN 2018 11:24:15

11n HT20_Ant1_5240



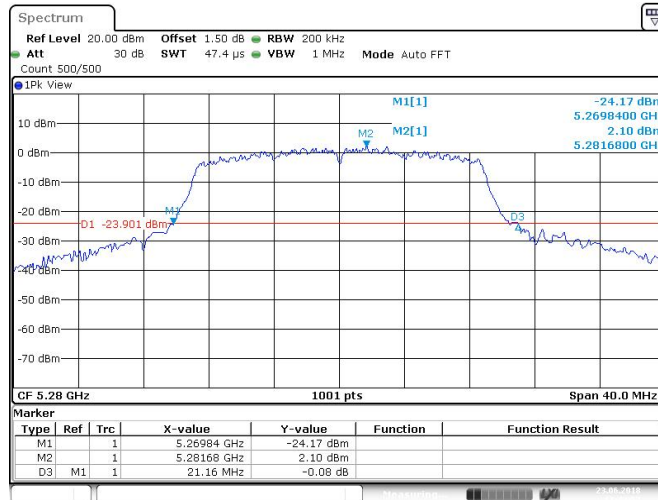
Date: 23 JUN 2018 11:28:48

11n HT20_Ant1_5260



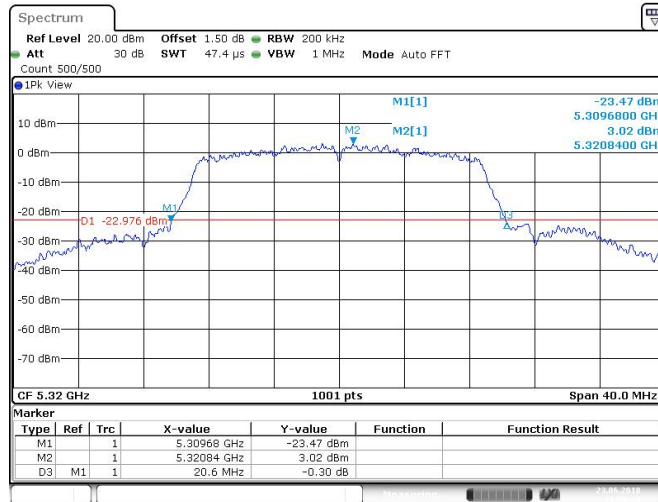
Date: 23 JUN 2018 11:35:58

11n HT20_Ant1_5280



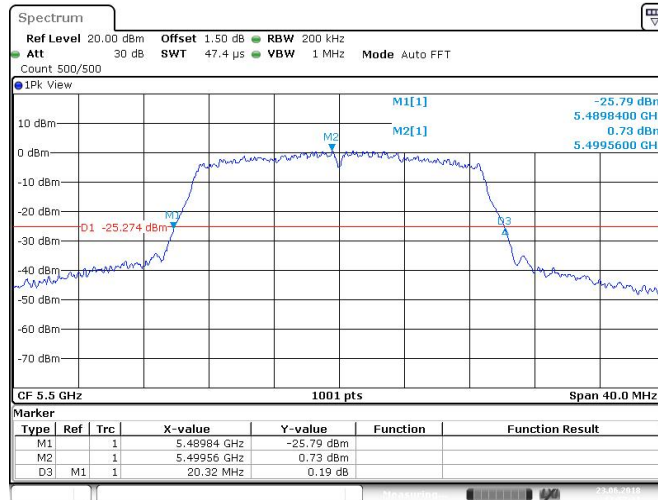
Date: 23 JUN 2018 11:43:57

11n HT20_Ant1_5320



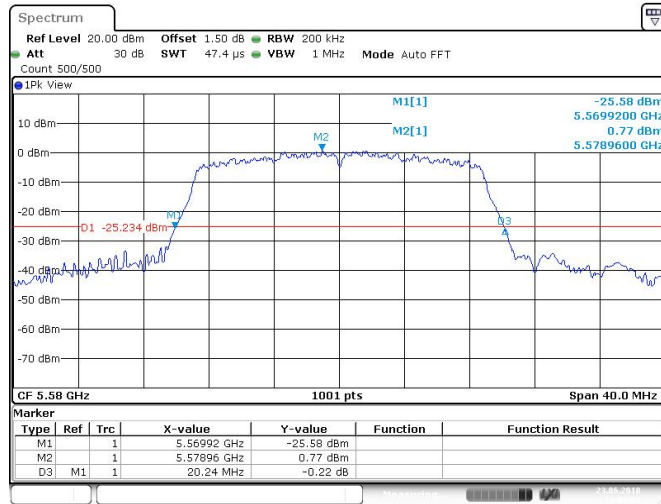
Date: 23 JUN 2018 11:58:38

11n HT20_Ant1_5500



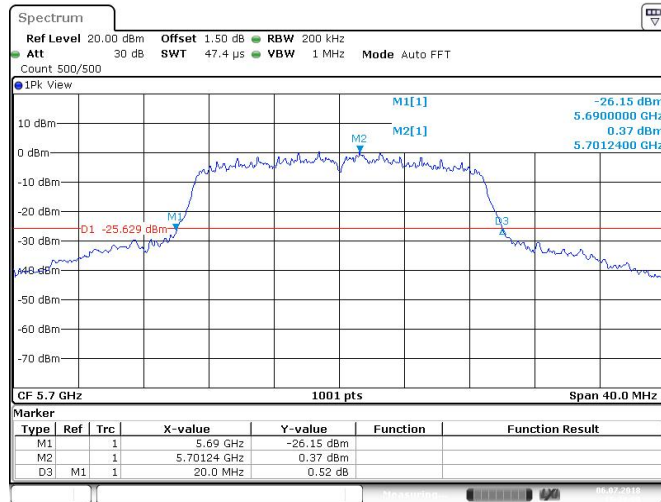
Date: 23 JUN 2018 11:57:21

11n HT20_Ant1_5580



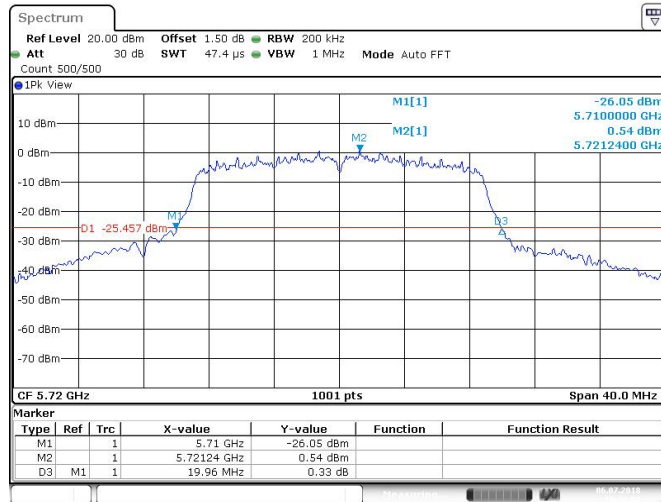
Date: 23 JUN 2018 12:02:03

11n HT20_Ant1_5700



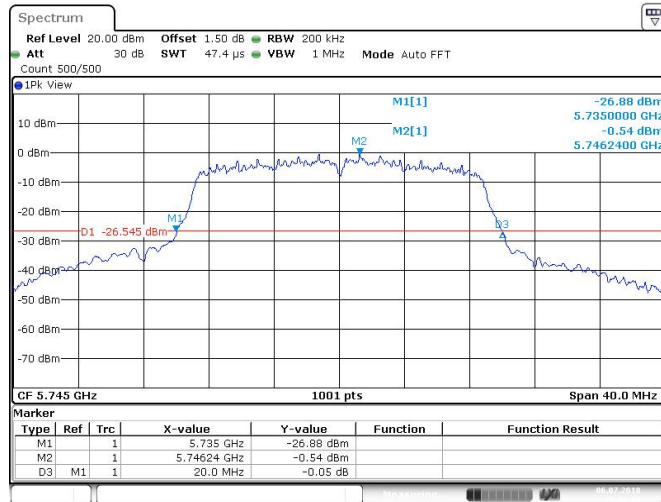
Date: 6 JUL 2018 15:29:09

11n HT20_Ant1_5720



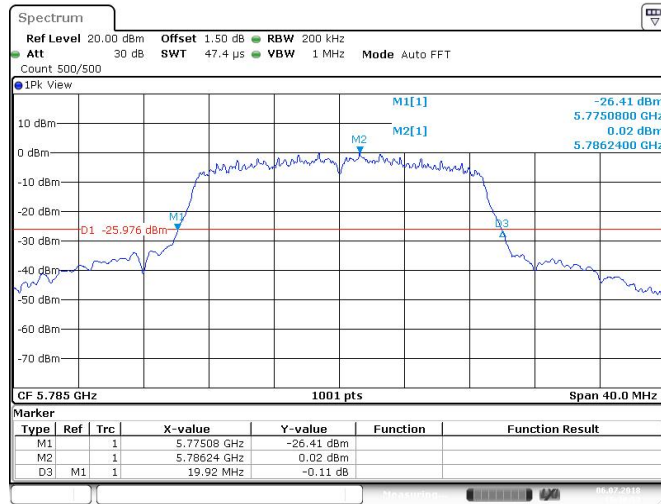
Date: 6 JUL 2018 15:29:52

11n HT20_Ant1_5745



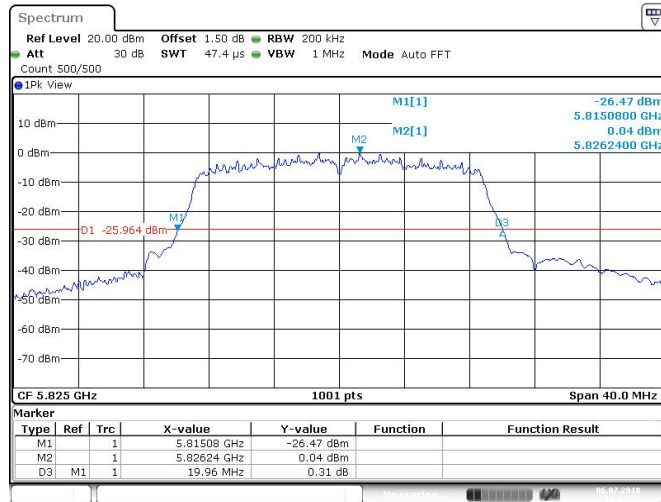
Date: 6 JUL 2018 15:30:25

11n HT20_Ant1_5785



Date: 6 JUL 2018 15:30:54

11n HT20_Ant1_5825



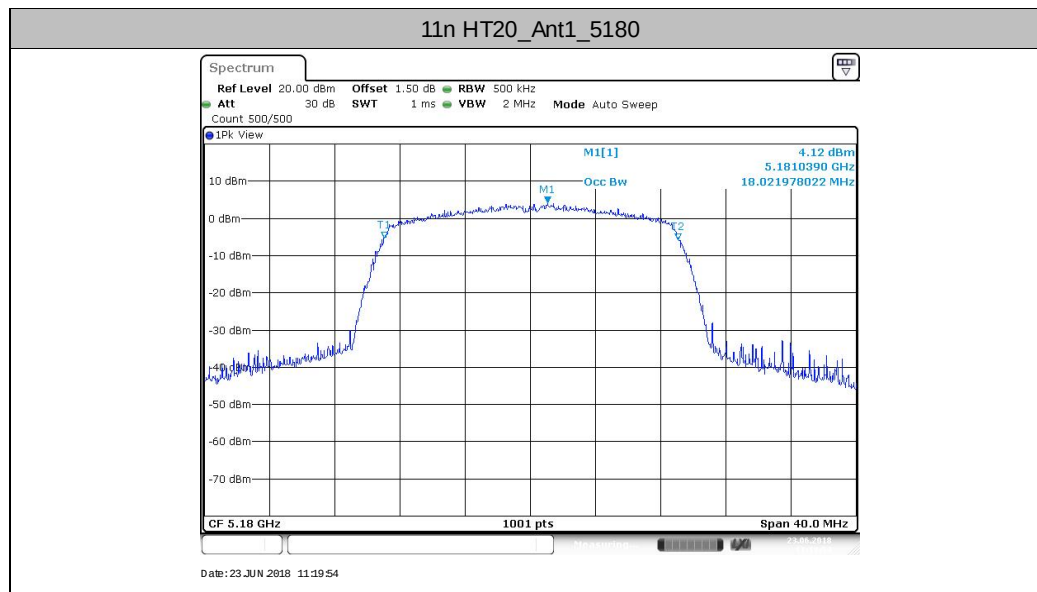
Date: 6 JUL 2018 15:31:22

Appendix B2: Occupied Channel (MHz) bandwidth

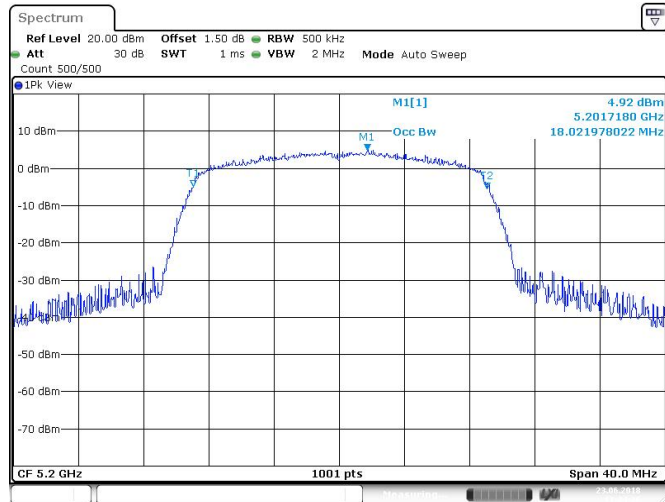
Test Result

TestMode	Antenna	Channel (MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11n HT20	Ant1	5180	18.022	5171.049	5189.071	---	PASS
		5200	18.022	5191.049	5209.071	---	PASS
		5240	18.062	5231.009	5249.071	---	PASS
		5260	18.062	5251.049	5269.111	---	PASS
		5280	18.182	5271.009	5289.191	---	PASS
		5320	18.222	5310.929	5329.151	---	PASS
		5500	18.062	5490.969	5509.031	---	PASS
		5580	18.062	5571.009	5589.071	---	PASS
		5700	20.979	5690.050	5711.029	---	PASS
		5720	21.778	5709.530	5731.309	---	PASS
		5745	22.697	5733.891	5756.588	---	PASS
		5785	21.938	5773.851	5795.789	---	PASS
		5825	19.101	5815.450	5834.550	---	PASS

Test Graphs

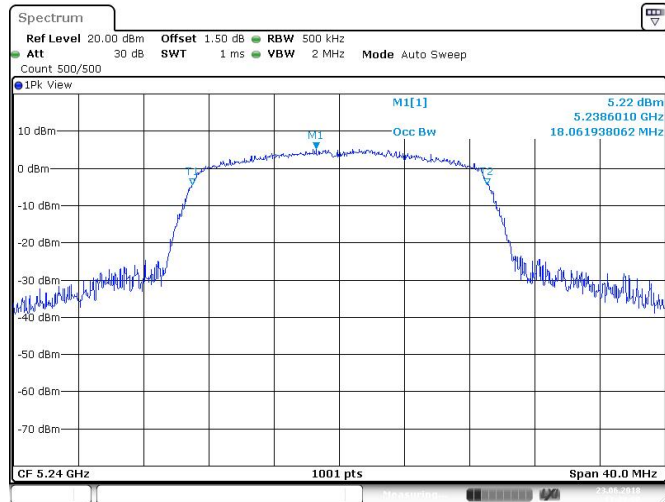


11n HT20_Ant1_5200



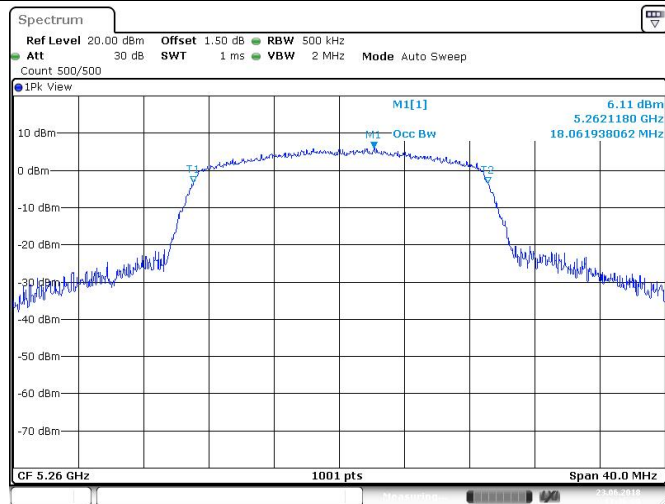
Date: 23 JUN 2018 11:24:26

11n HT20_Ant1_5240



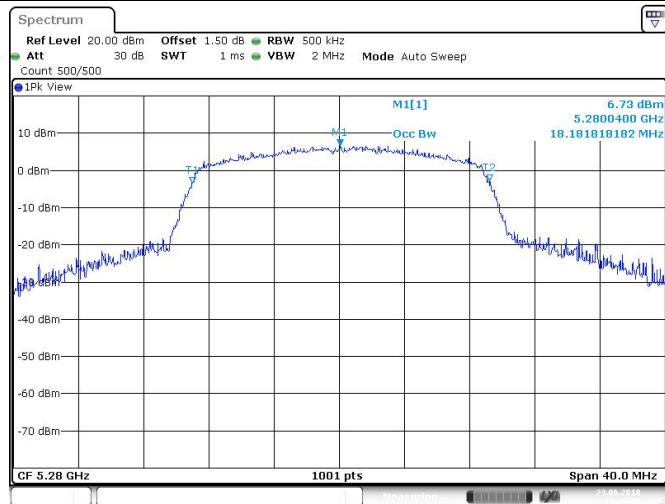
Date: 23 JUN 2018 11:29:00

11n HT20_Ant1_5260



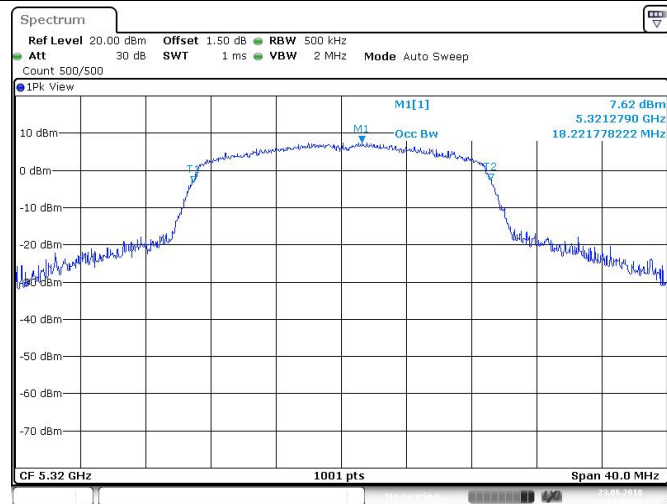
Date: 23 JUN 2018 11:36:99

11n HT20_Ant1_5280



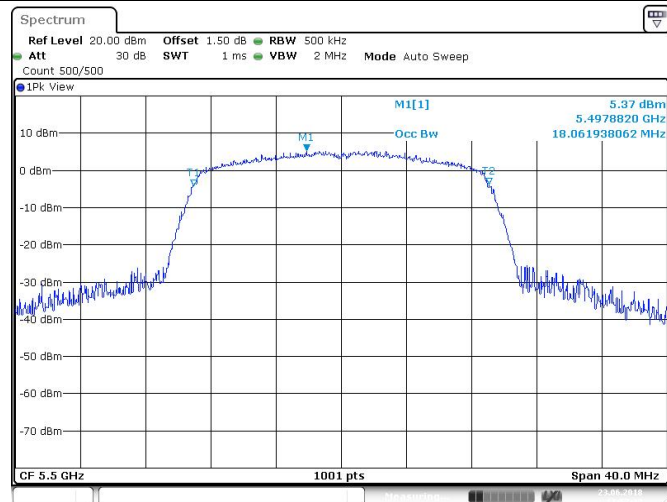
Date: 23 JUN 2018 11:44:98

11n HT20_Ant1_5320



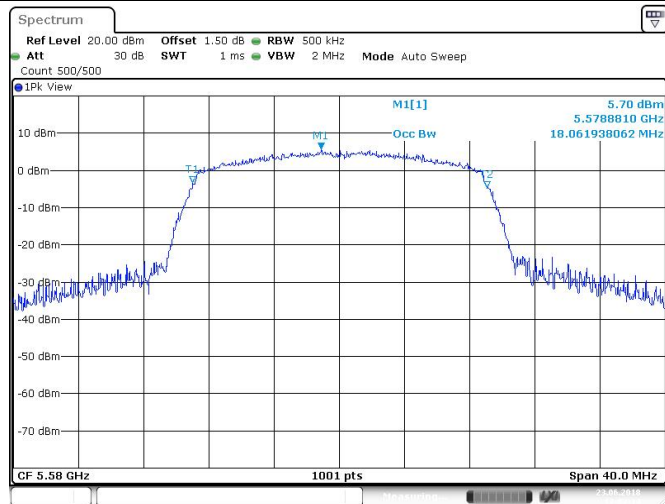
Date: 23 JUN 2018 11:56:42

11n HT20_Ant1_5500



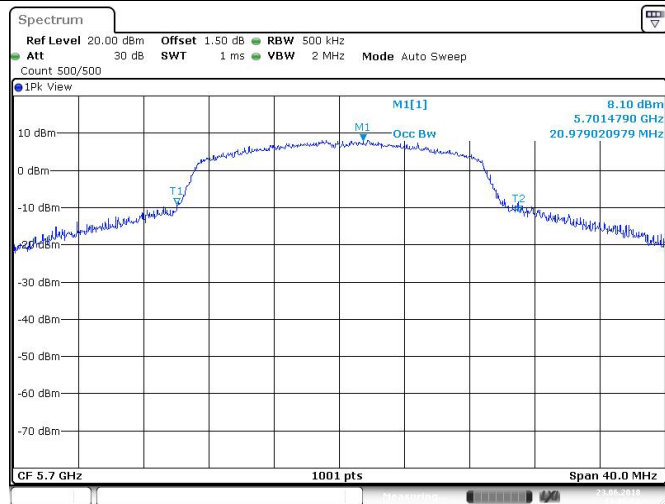
Date: 23 JUN 2018 11:57:33

11n HT20_Ant1_5580



Date: 23 JUN 2018 12:02:14

11n HT20_Ant1_5700



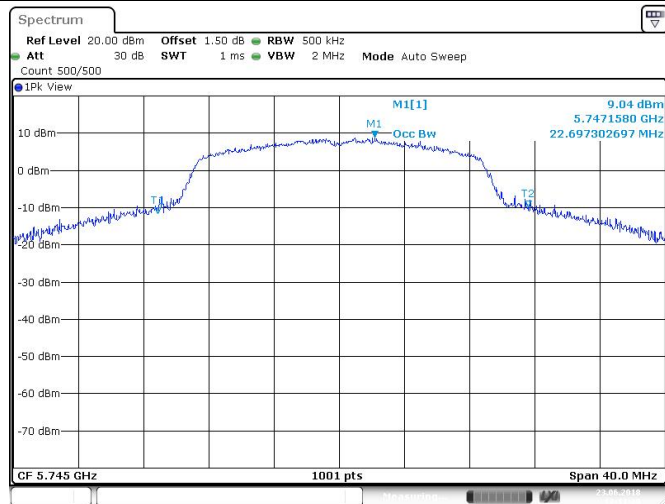
Date: 23 JUN 2018 12:05:58

11n HT20_Ant1_5720



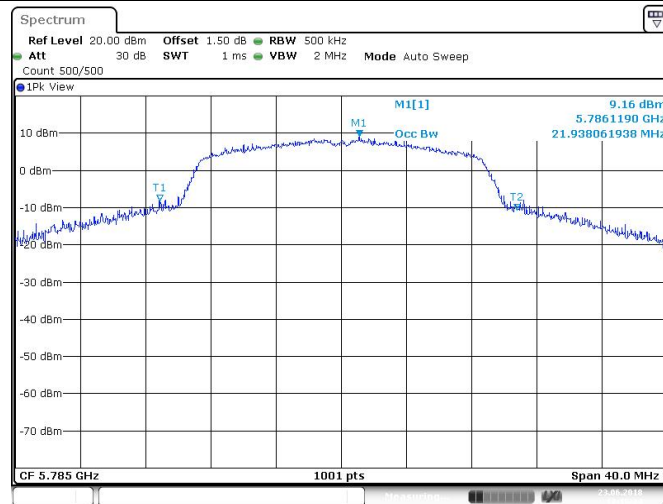
Date: 23 JUN 2018 12:59:30

11n HT20_Ant1_5745



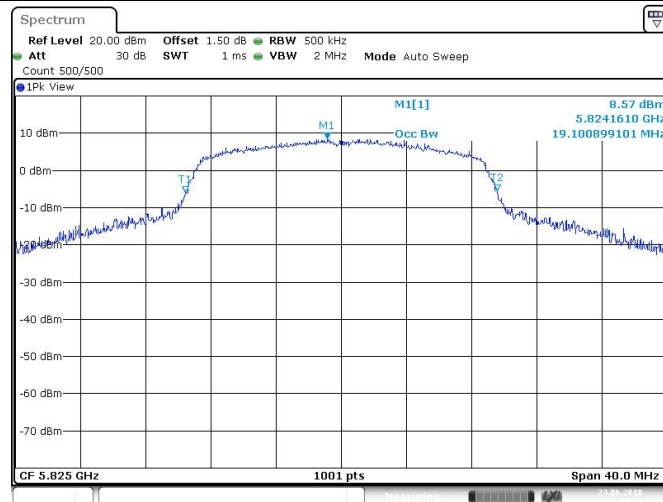
Date: 23 JUN 2018 12:11:29

11n HT20_Ant1_5785



Date: 23 JUN 2018 12:15:24

11n HT20_Ant1_5825



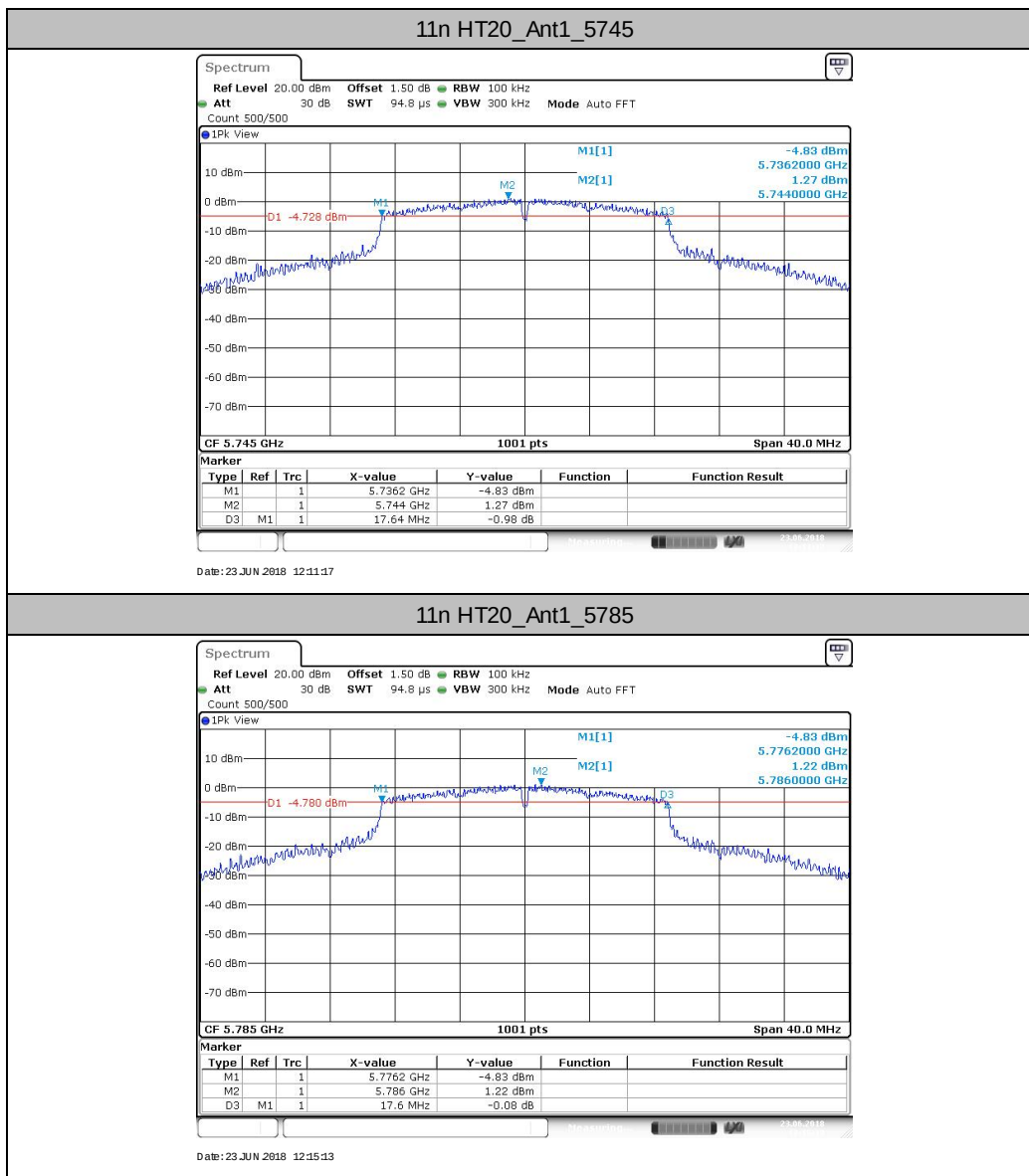
Date: 23 JUN 2018 12:28:49

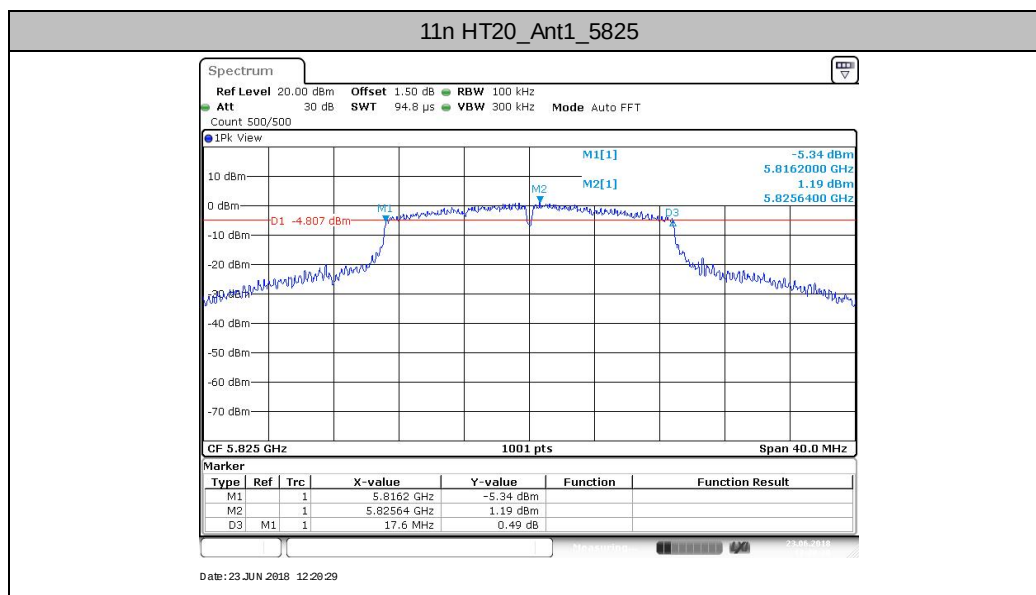
Appendix B3: Min emission bandwidth

Test Result

TestMode	Antenna	Channel (MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11n HT20	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS

Test Graphs





Appendix B4: Maximum conducted output power

Test Result

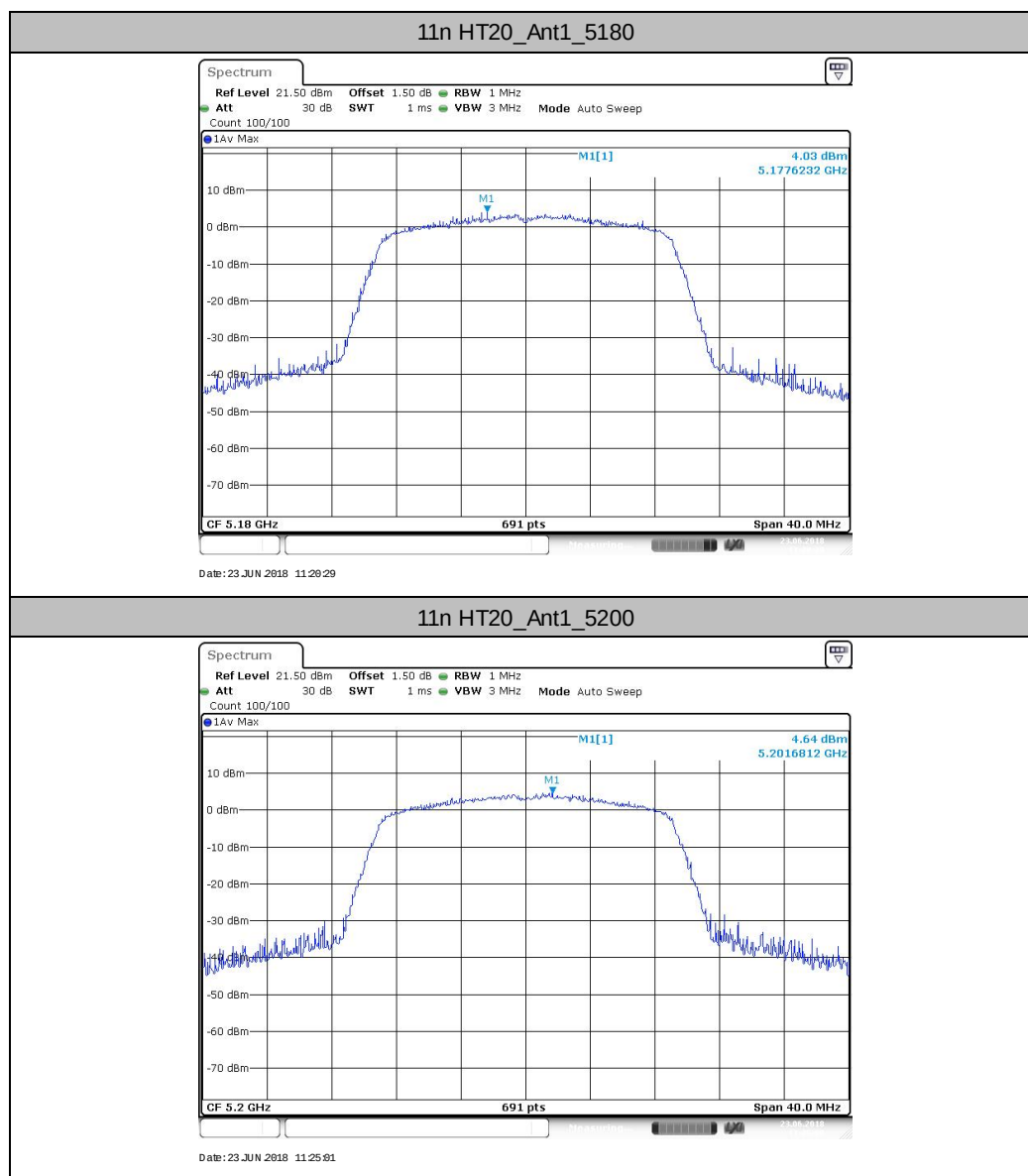
TestMode	Antenna	Channel (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	5180	13.72	23.98	PASS
		5200	13.60	23.98	PASS
		5240	13.78	23.98	PASS
		5260	13.51	23.98	PASS
		5280	13.75	23.98	PASS
		5320	13.56	23.98	PASS
		5500	13.72	23.98	PASS
		5580	12.51	23.98	PASS
		5700	13.43	23.98	PASS
		5720	13.88	23.98	PASS
		5745	12.37	30	PASS
		5785	12.55	30	PASS
		5825	12.32	30	PASS

Appendix B5: Maximum power spectral density

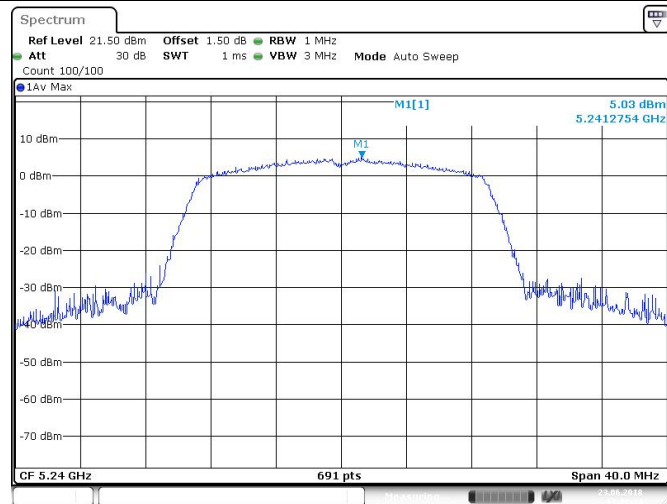
Test Result

TestMode	Antenna	Channel (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	5180	4.03	11	PASS
		5200	4.64	11	PASS
		5240	5.03	11	PASS
		5260	5.64	11	PASS
		5280	6.4	11	PASS
		5320	7.23	11	PASS
		5500	5.81	11	PASS
		5580	5.58	11	PASS
		5700	8.26	11	PASS
		5745	7.6	30	PASS
		5785	6.94	30	PASS
		5825	7.14	30	PASS

Test Graphs

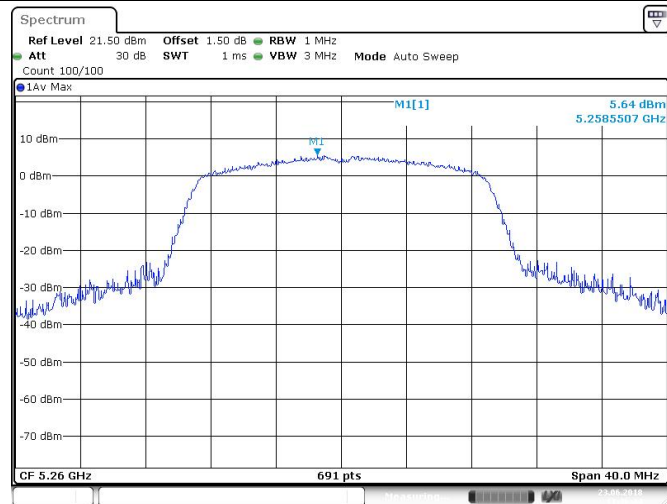


11n HT20_Ant1_5240



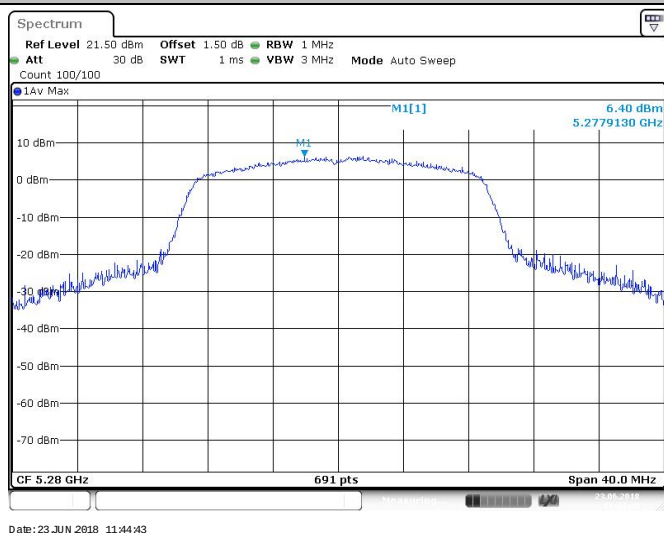
Date: 23 JUN 2018 11:29:34

11n HT20_Ant1_5260

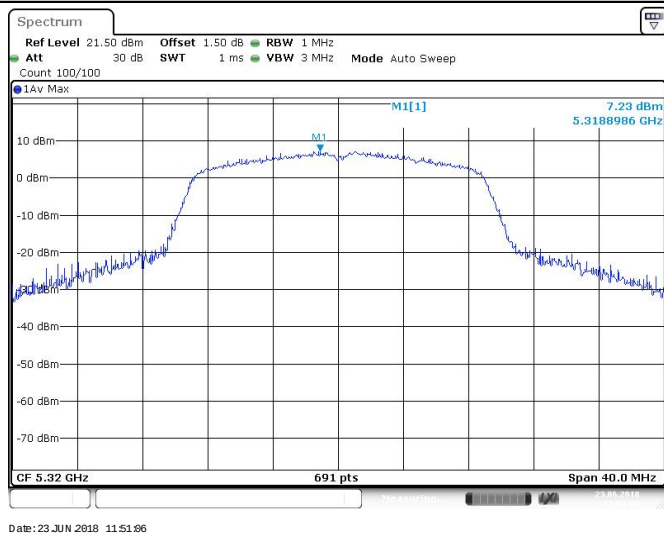


Date: 23 JUN 2018 11:36:44

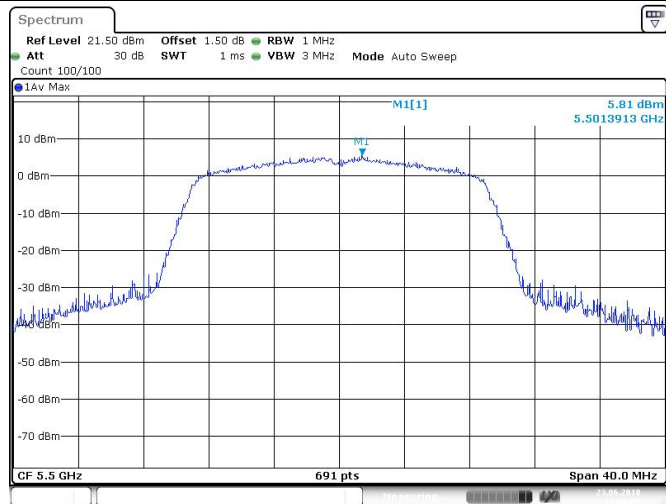
11n HT20_Ant1_5280



11n HT20_Ant1_5320

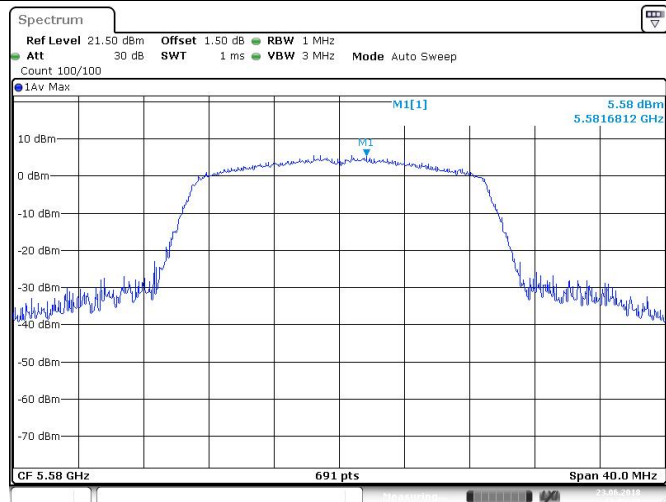


11n HT20_Ant1_5500



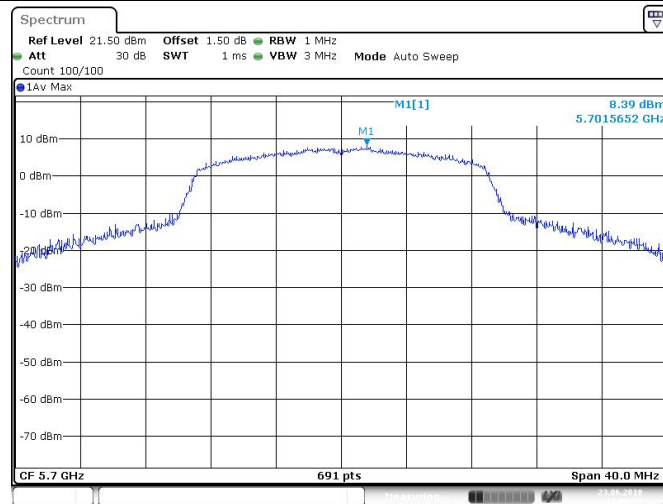
Date: 23 JUN 2018 11:58:97

11n HT20_Ant1_5580



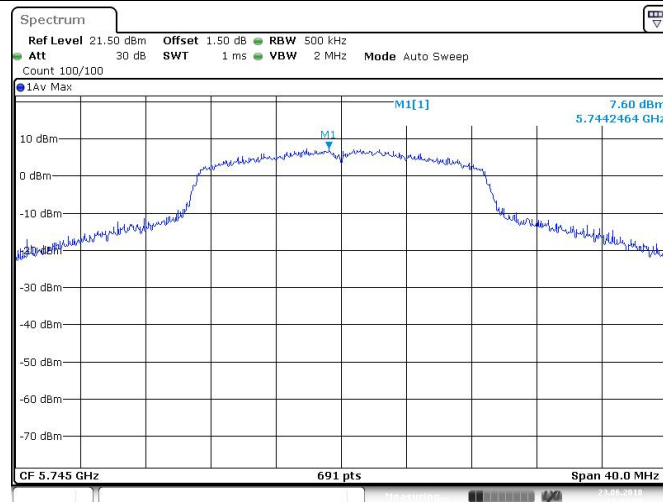
Date: 23 JUN 2018 12:02:49

11n HT20_Ant1_5700



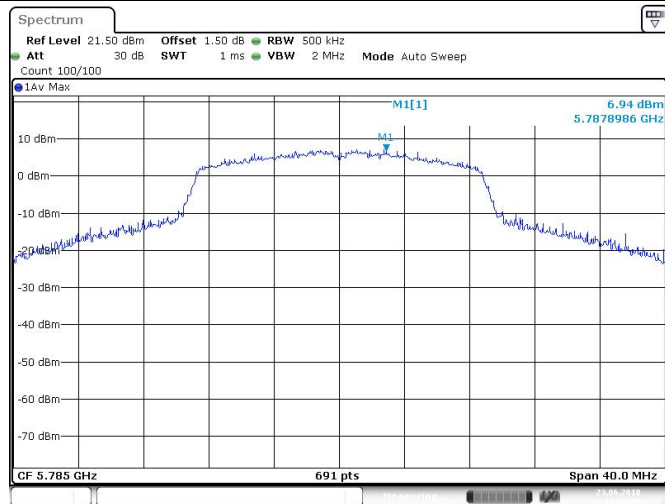
Date: 23 JUN 2018 12:06:33

11n HT20_Ant1_5745



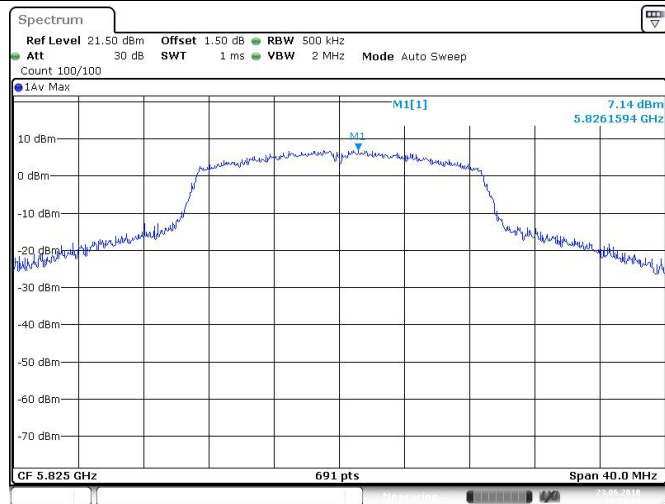
Date: 23 JUN 2018 12:12:04

11n HT20_Ant1_5785



Date: 23 JUN 2018 12:15:59

11n HT20_Ant1_5825



Date: 23 JUN 2018 12:21:15

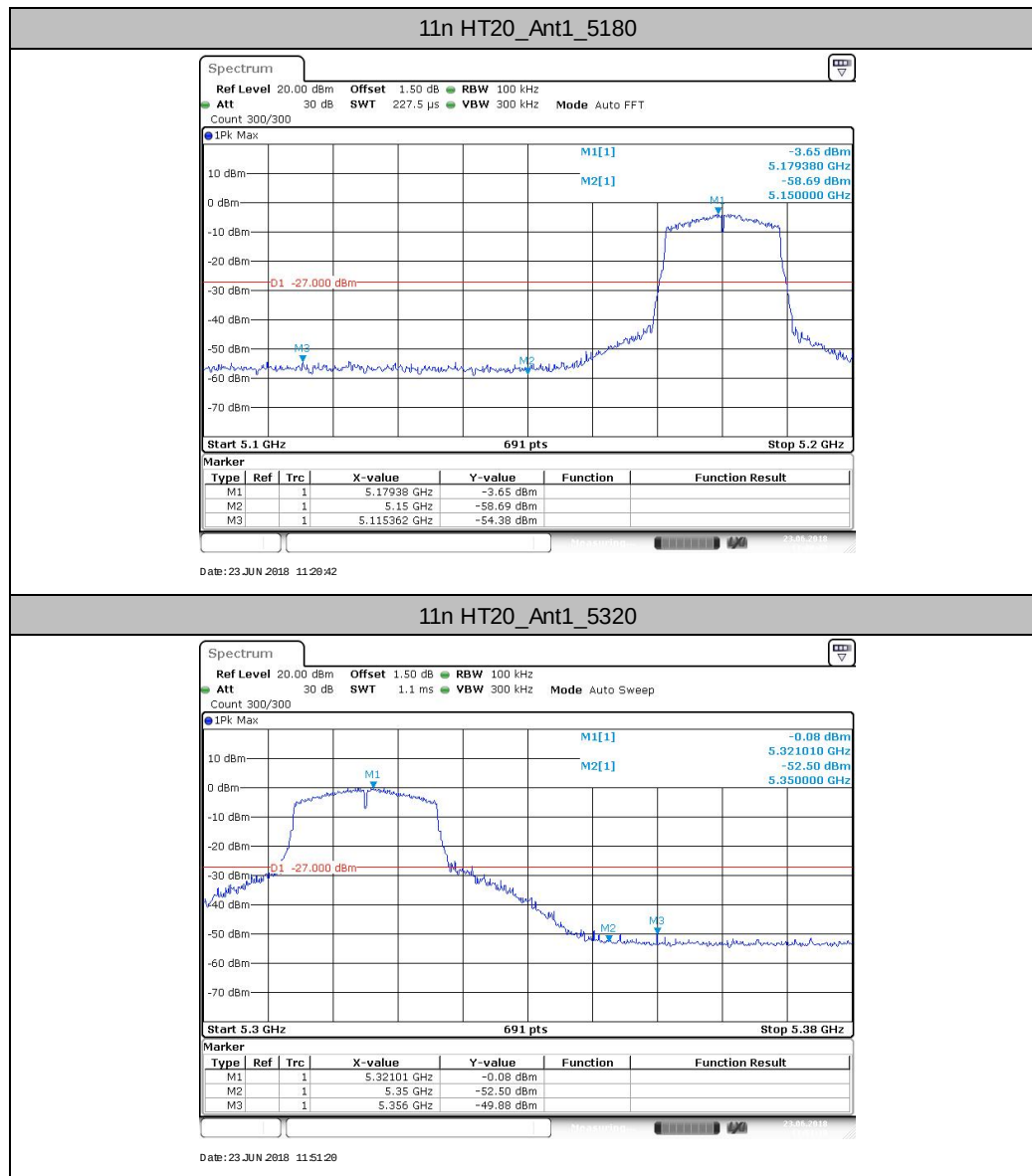
Appendix B6: Band edge measurements

Test Result

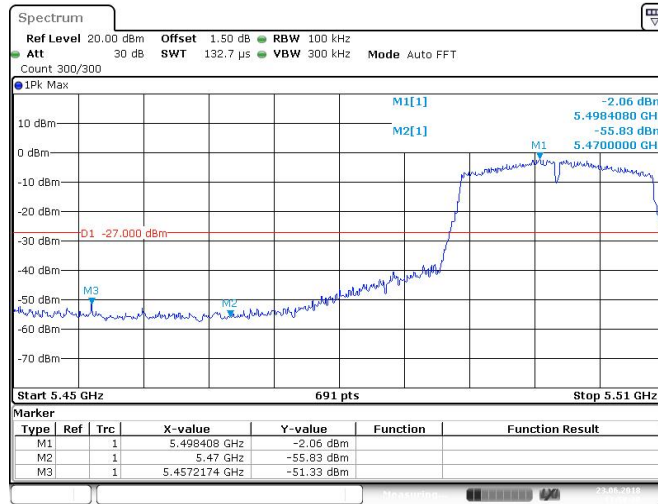
TestMode	Antenna	ChName	Channel (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	Low	5180	-54.38	-27	PASS
		High	5320	-49.88	-27	PASS
		Low	5500	-51.33	-27	PASS
		High	5700	-38.6	-27	PASS

TestMode	Antenna	ChName	Channel (MHz)	FreqRange (MHz)	Result (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	Low	5745	5650~5700	-52.18	9.26	PASS
		Low	5745	5700~5720	-37.02	15.18	PASS
		Low	5745	5720~5725	-28.9	26.62	PASS
		Low	5745	5760~5650	-53.99	-27	PASS
		High	5825	5850~5855	-41.31	19.81	PASS
		High	5825	5855~5875	-47.93	10.05	PASS
		High	5825	5875~5925	-51.92	-10.11	PASS
		High	5825	5925~5935	-53.19	-27	PASS

Test Graphs

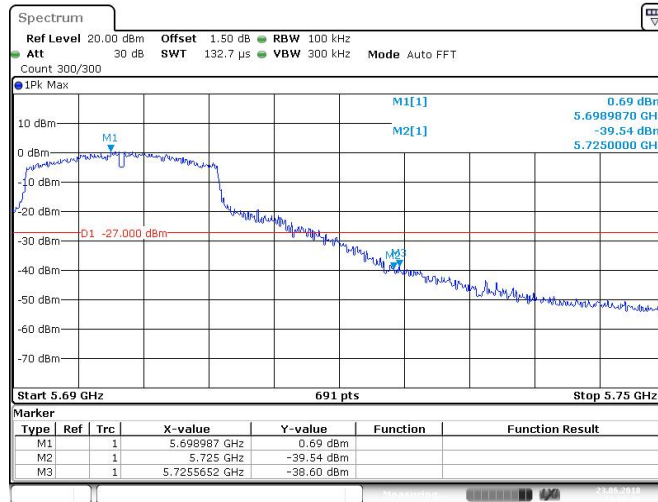


11n HT20_Ant1_5500



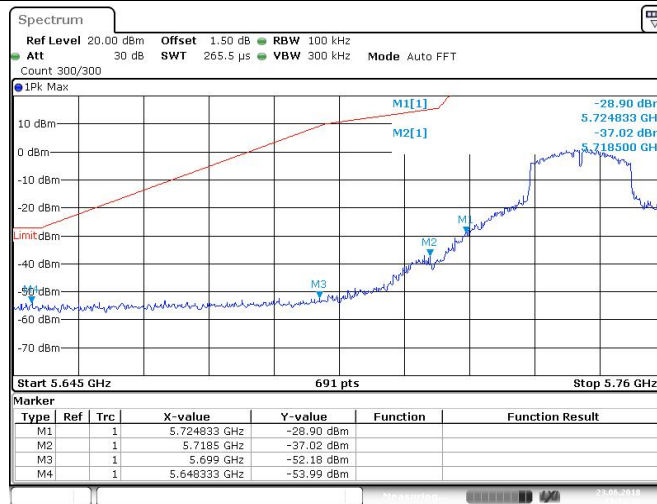
Date: 23 JUN 2018 11:58:21

11n HT20_Ant1_5700



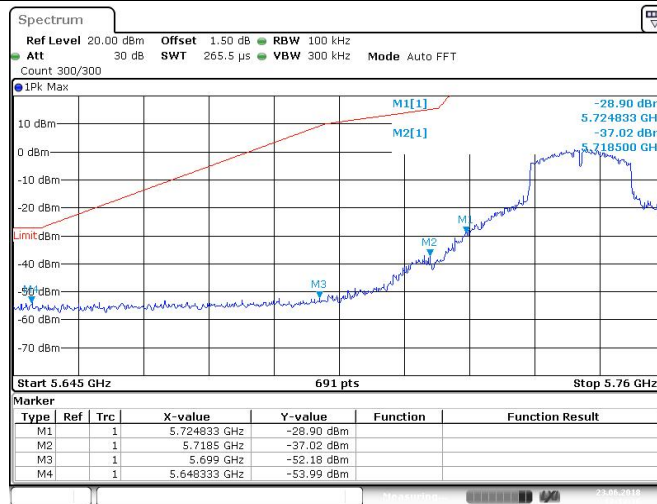
Date: 23 JUN 2018 12:06:46

11n HT20_Ant1_5745



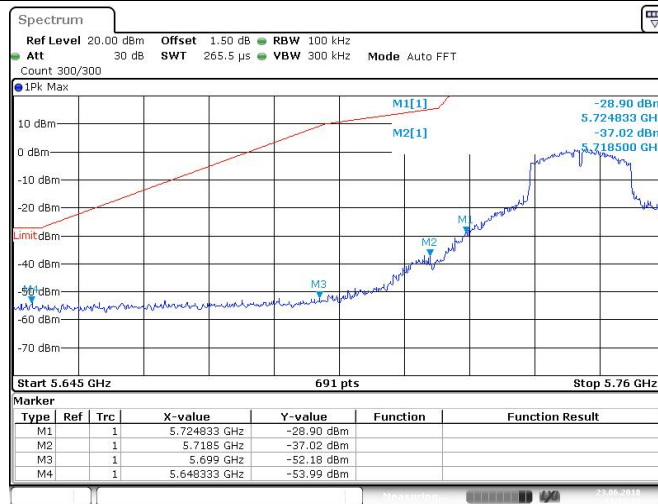
Date: 23 JUN 2018 12:12:17

11n HT20_Ant1_5745



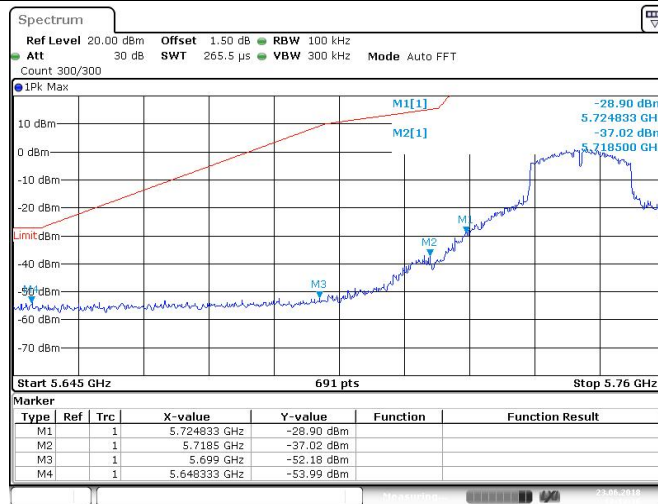
Date: 23 JUN 2018 12:12:17

11n HT20_Ant1_5745



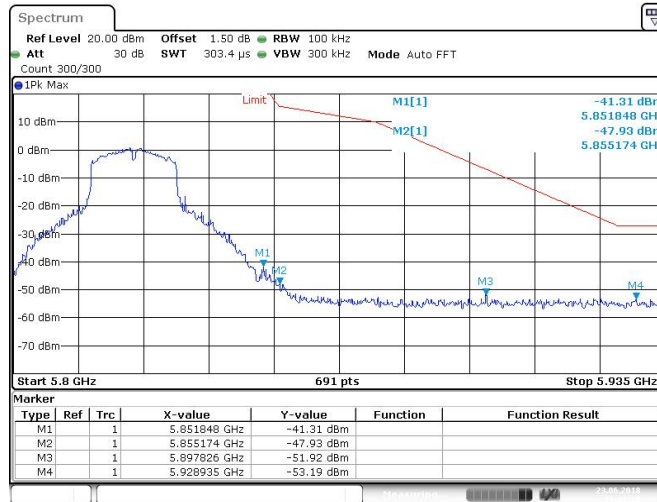
Date: 23 JUN 2018 12:12:17

11n HT20_Ant1_5745



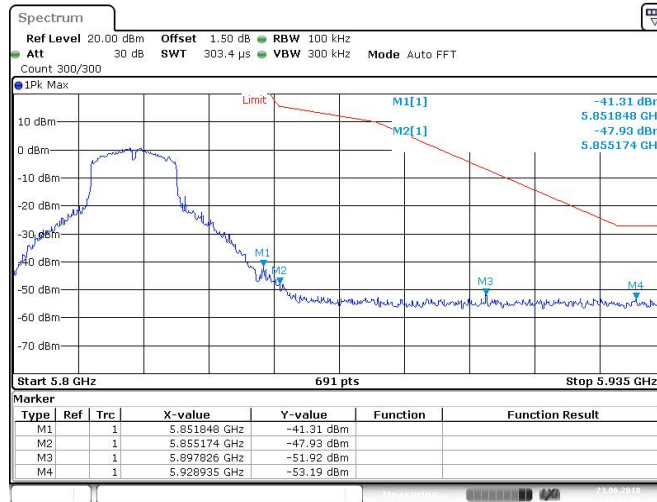
Date: 23 JUN 2018 12:12:17

11n HT20_Ant1_5825



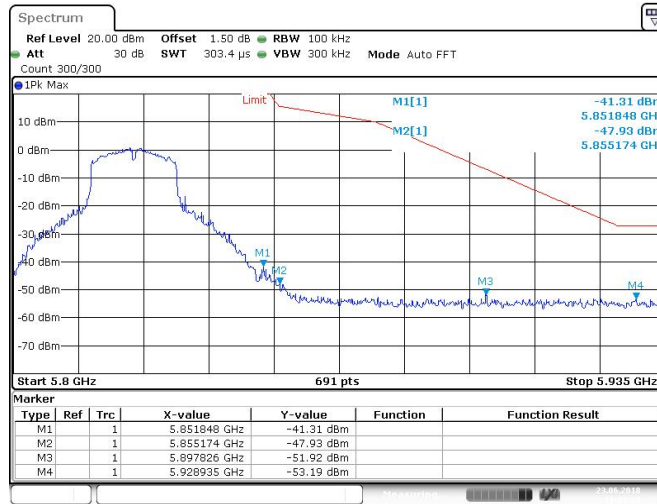
Date: 23 JUN 2018 12:21:28

11n HT20_Ant1_5825



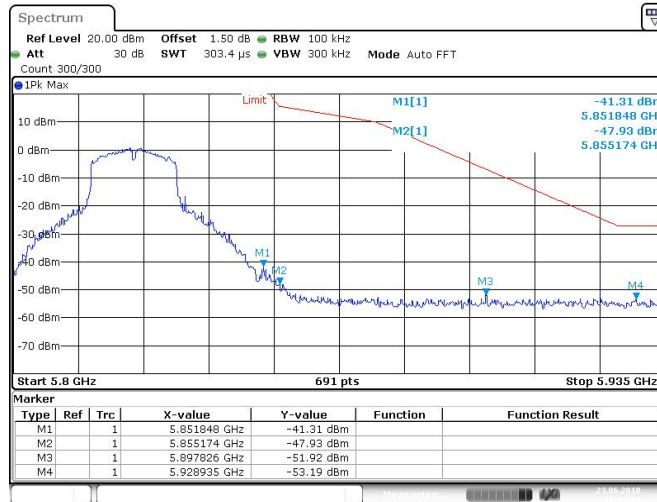
Date: 23 JUN 2018 12:21:28

11n HT20_Ant1_5825



Date: 23 JUN 2018 12:21:28

11n HT20_Ant1_5825



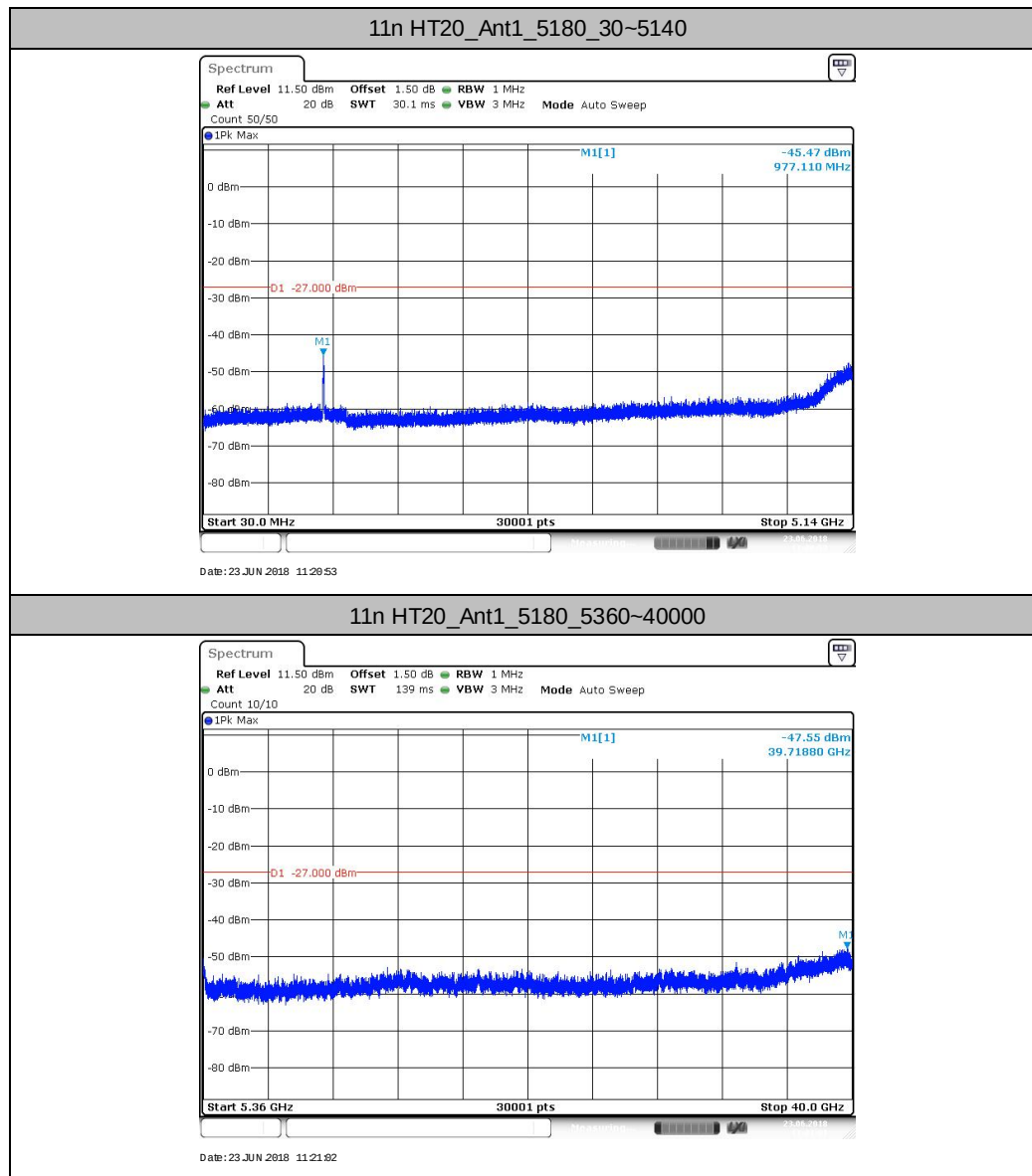
Date: 23 JUN 2018 12:21:28

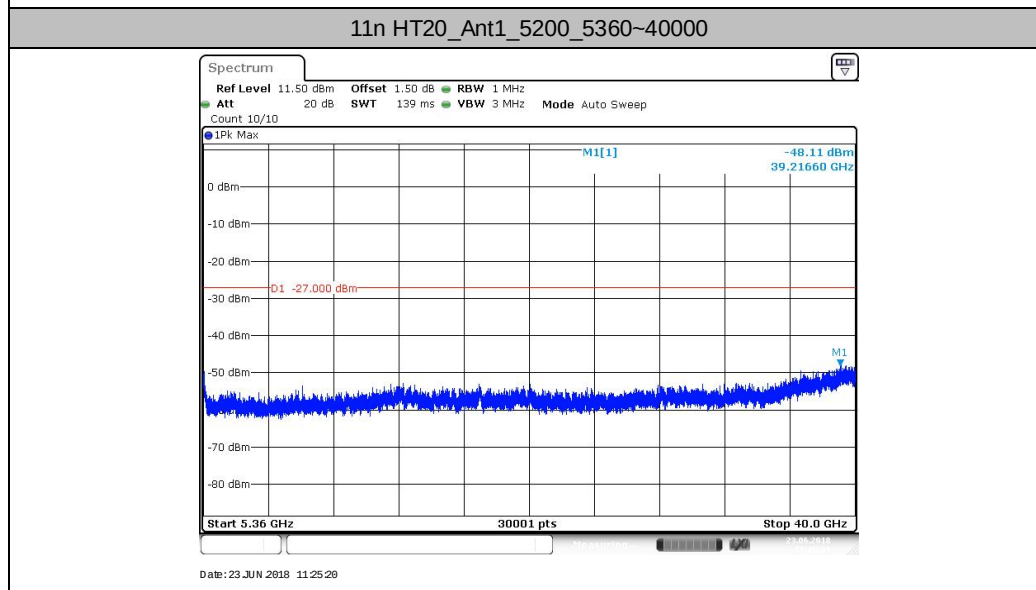
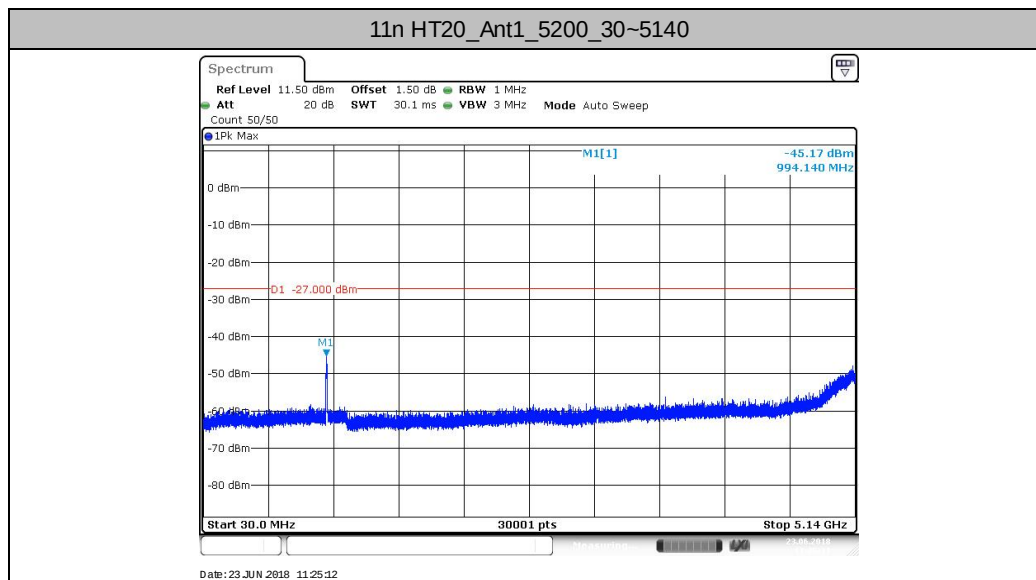
Appendix B7: Conducted Spurious Emission

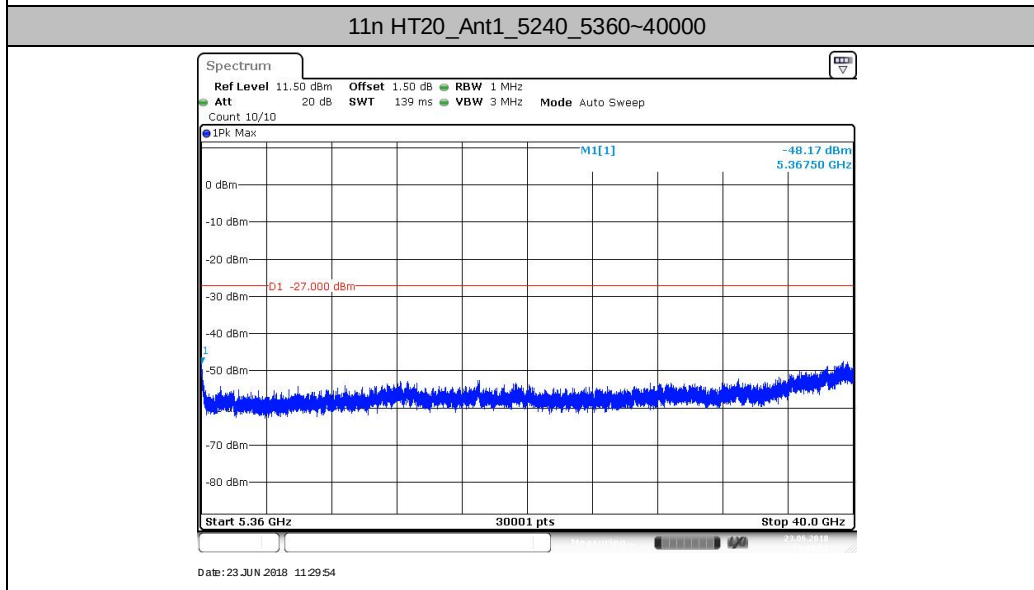
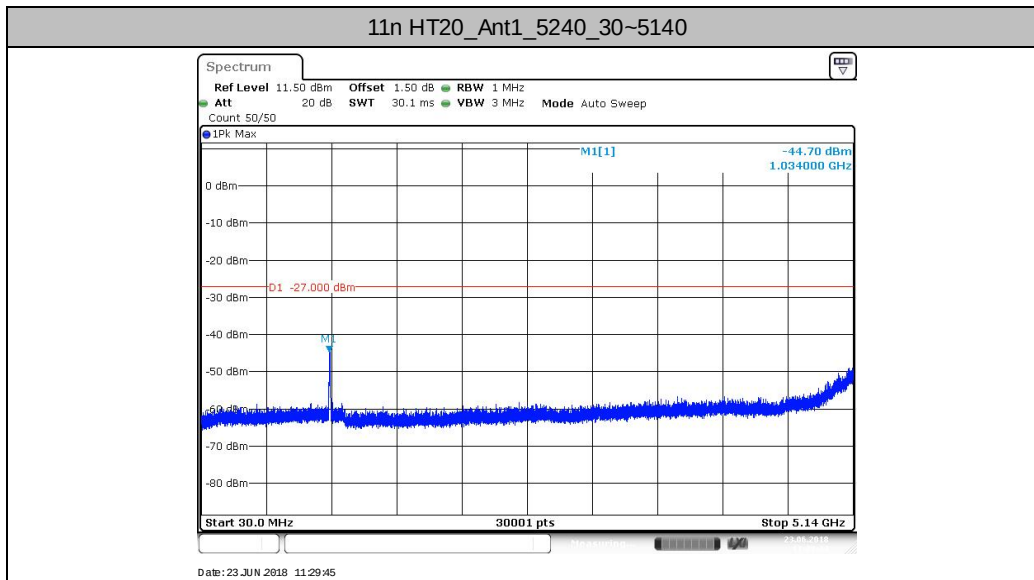
Test Result

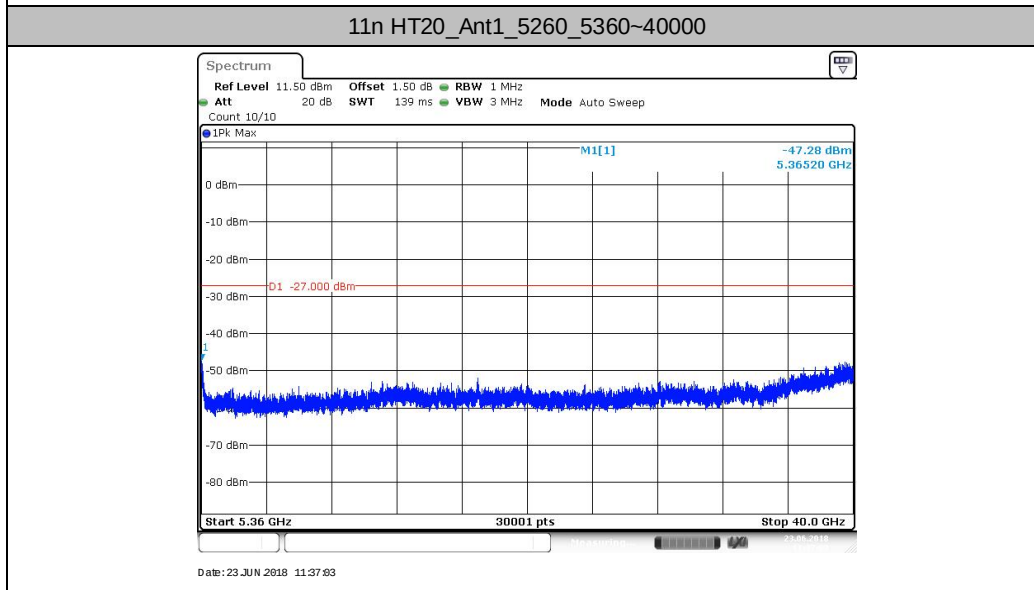
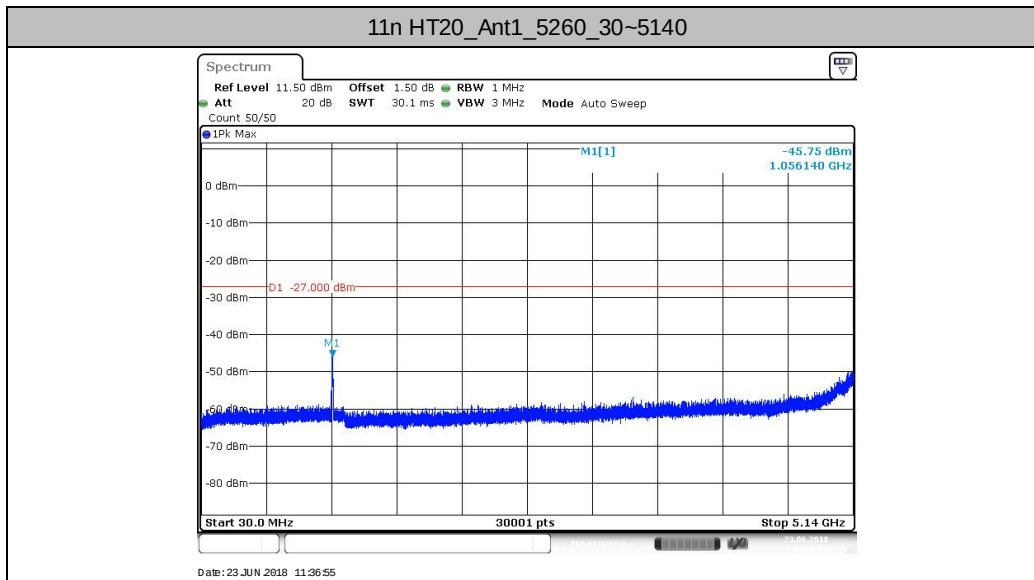
TestMode	Antenna	Channel (MHz)	FreqRange (MHz)	Max. Fre (MHz)	Max. Level (dBm)	Limit (dBm)	Verdict
11n HT20	Ant1	5180	30~5140	977.11	-45.47	-27	PASS
		5180	5360~40000	39718.80	-47.55	-27	PASS
		5200	30~5140	994.14	-45.17	-27	PASS
		5200	5360~40000	39216.60	-48.11	-27	PASS
		5240	30~5140	1034.00	-44.7	-27	PASS
		5240	5360~40000	5367.50	-48.17	-27	PASS
		5260	30~5140	1056.14	-45.75	-27	PASS
		5260	5360~40000	5365.20	-47.28	-27	PASS
		5280	30~5140	1075.73	-45.28	-27	PASS
		5280	5360~40000	5360.60	-47.07	-27	PASS
		5320	30~5140	1117.97	-44.71	-27	PASS
		5320	5360~40000	5380.20	-45.45	-27	PASS
		5500	30~5460	5420.45	-45.56	-27	PASS
		5500	5735~40000	39401.00	-48.14	-27	PASS
		5580	30~5460	5458.82	-47.89	-27	PASS
		5580	5735~40000	11156.10	-47.23	-27	PASS
		5700	30~5460	1497.77	-51.42	-27	PASS
		5700	5735~40000	17100.90	-36.14	-27	PASS
		5745	30~5650	5644.47	-47.01	-27	PASS
		5745	5925~40000	17233.50	-37.57	-27	PASS
		5785	30~5650	5649.91	-48.49	-27	PASS
		5785	5925~40000	17353.90	-37.73	-27	PASS
		5825	30~5650	5640.35	-49.08	-27	PASS
		5825	5925~40000	17480.00	-38.31	-27	PASS

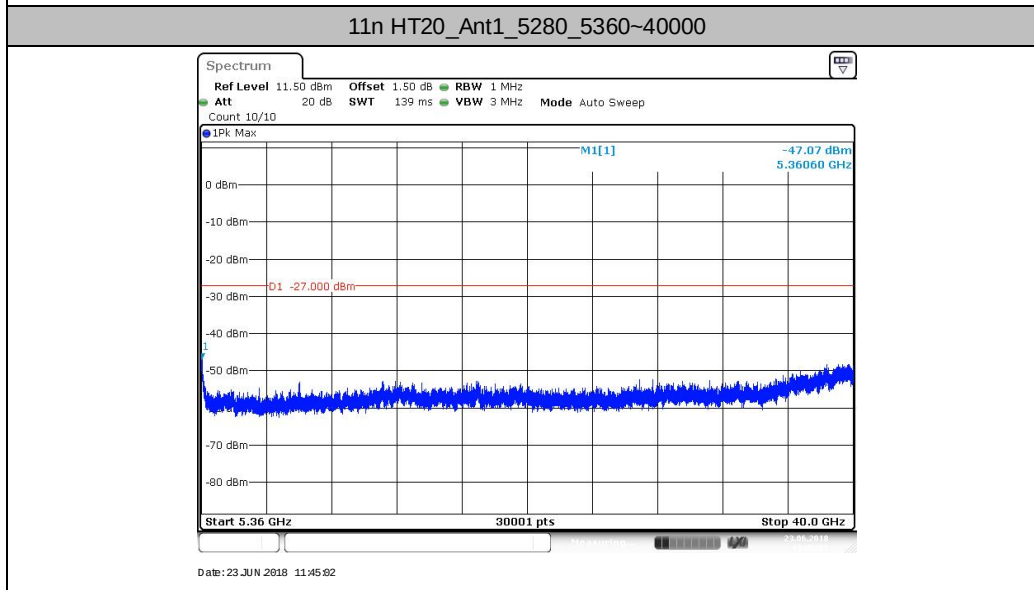
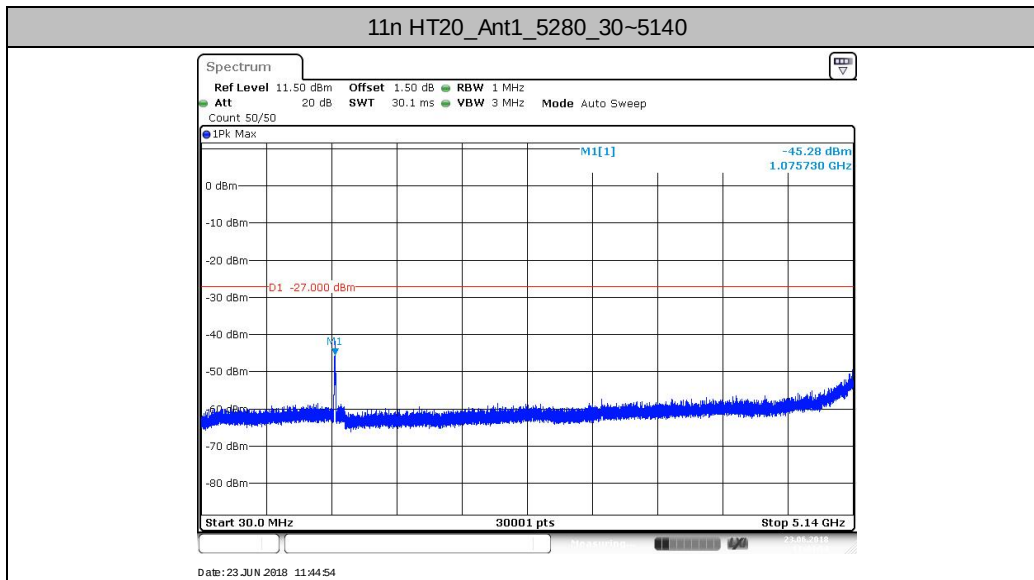
Test Graphs

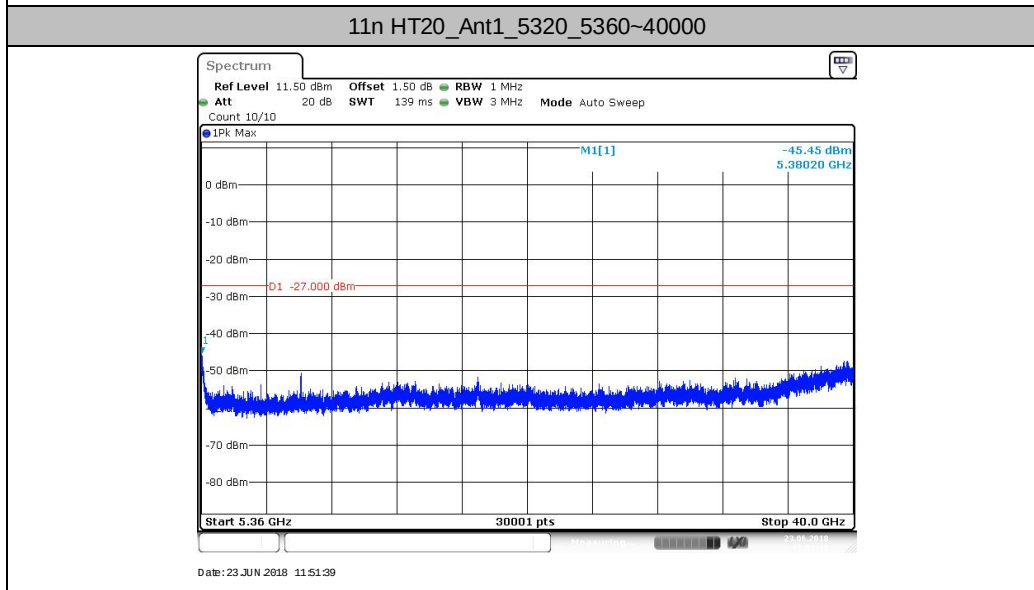
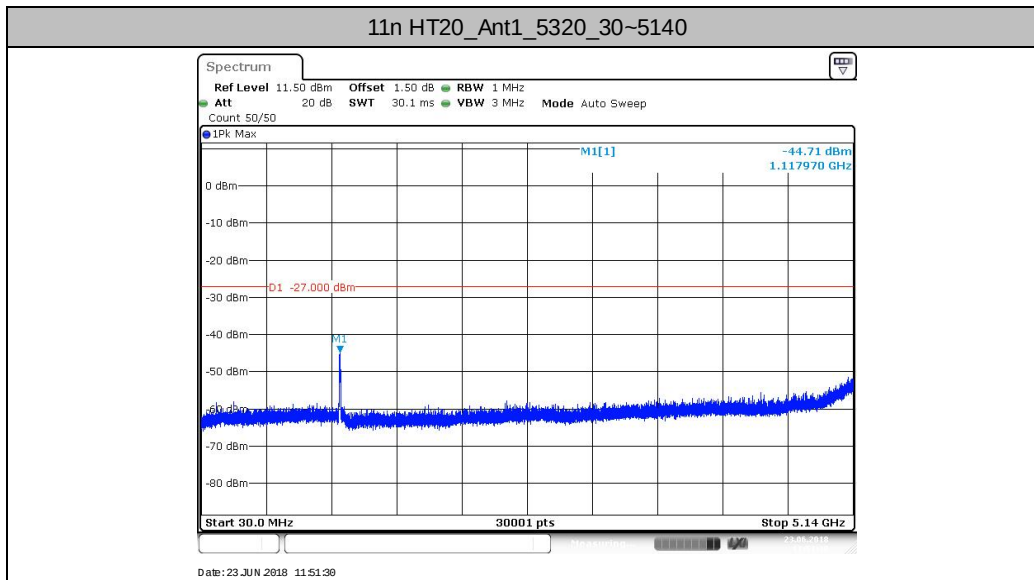


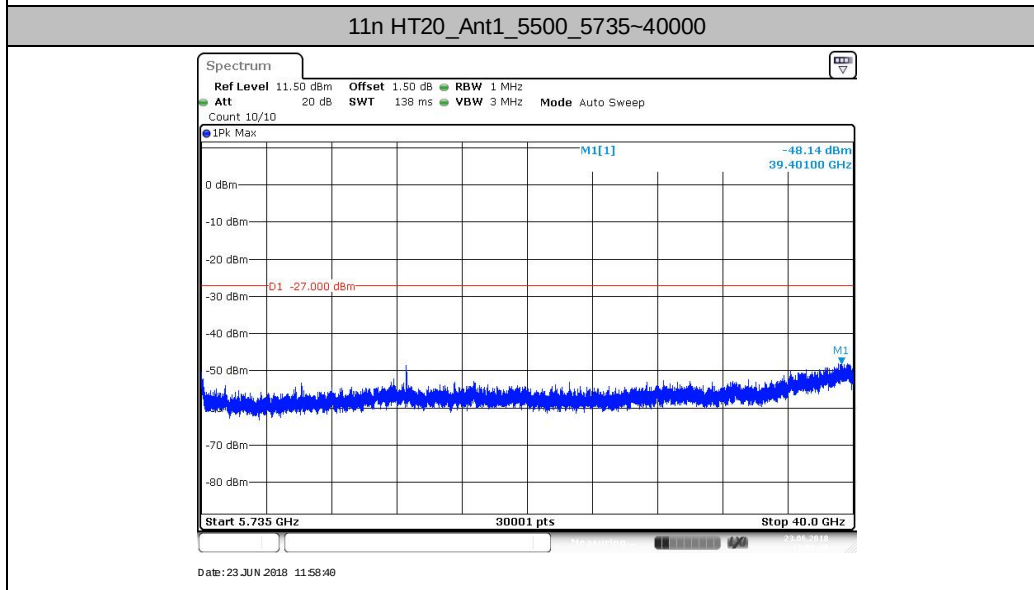
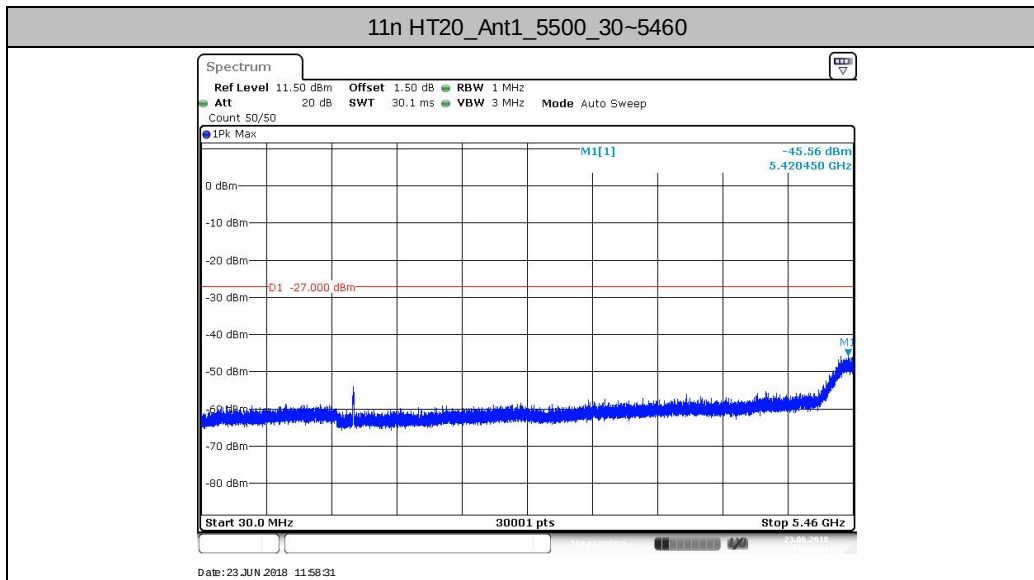


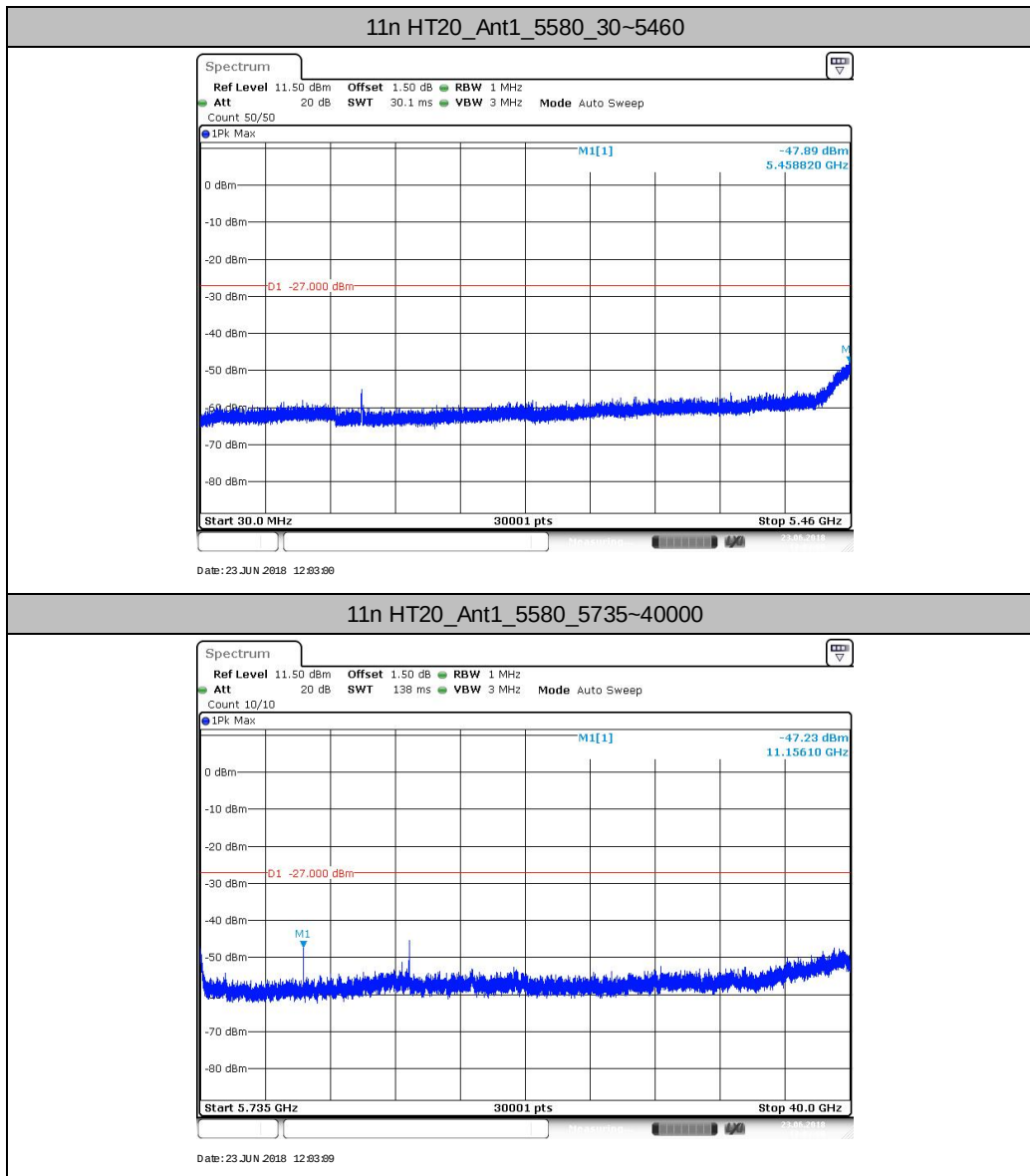


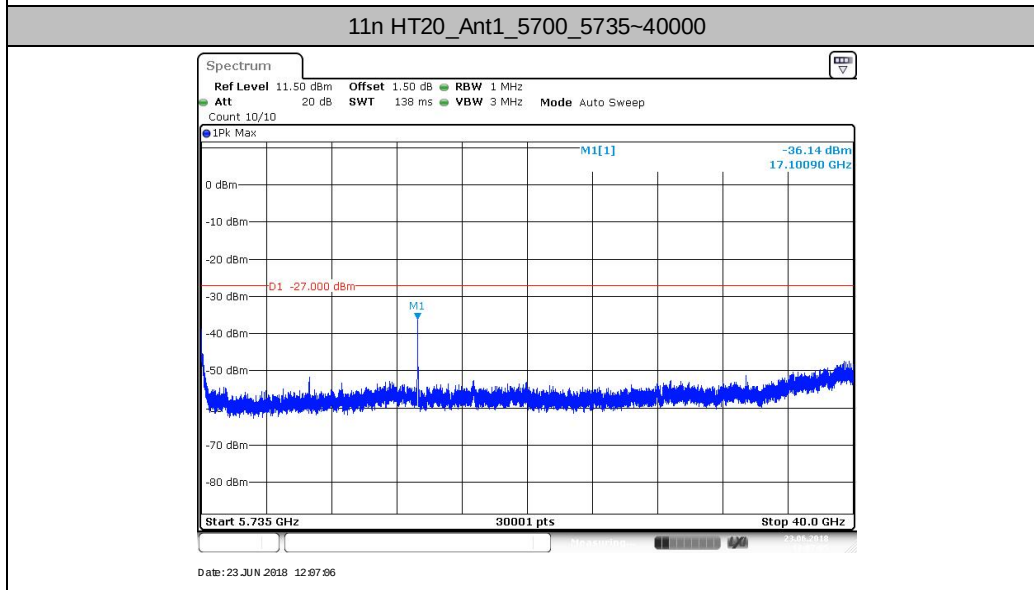
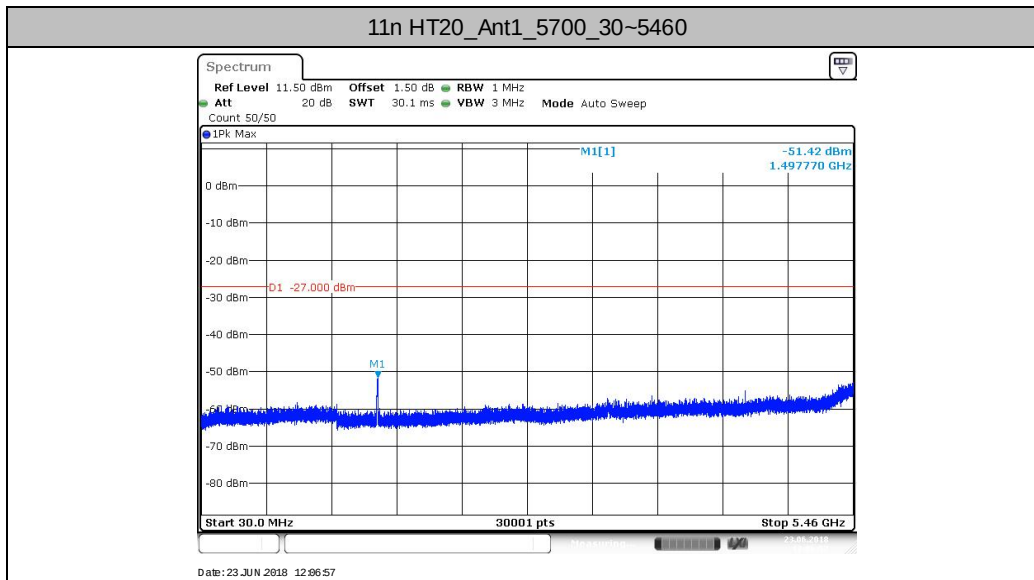


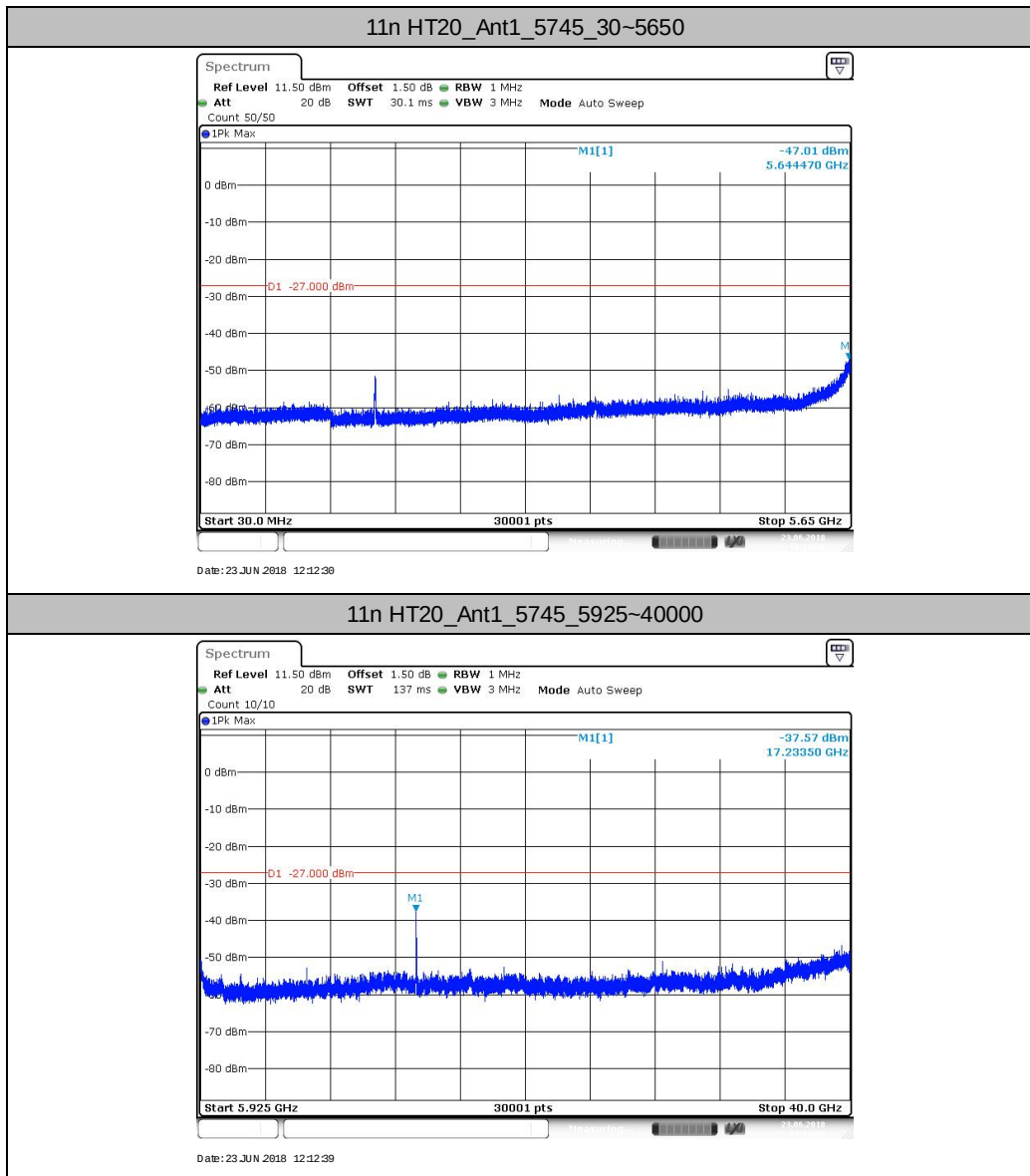


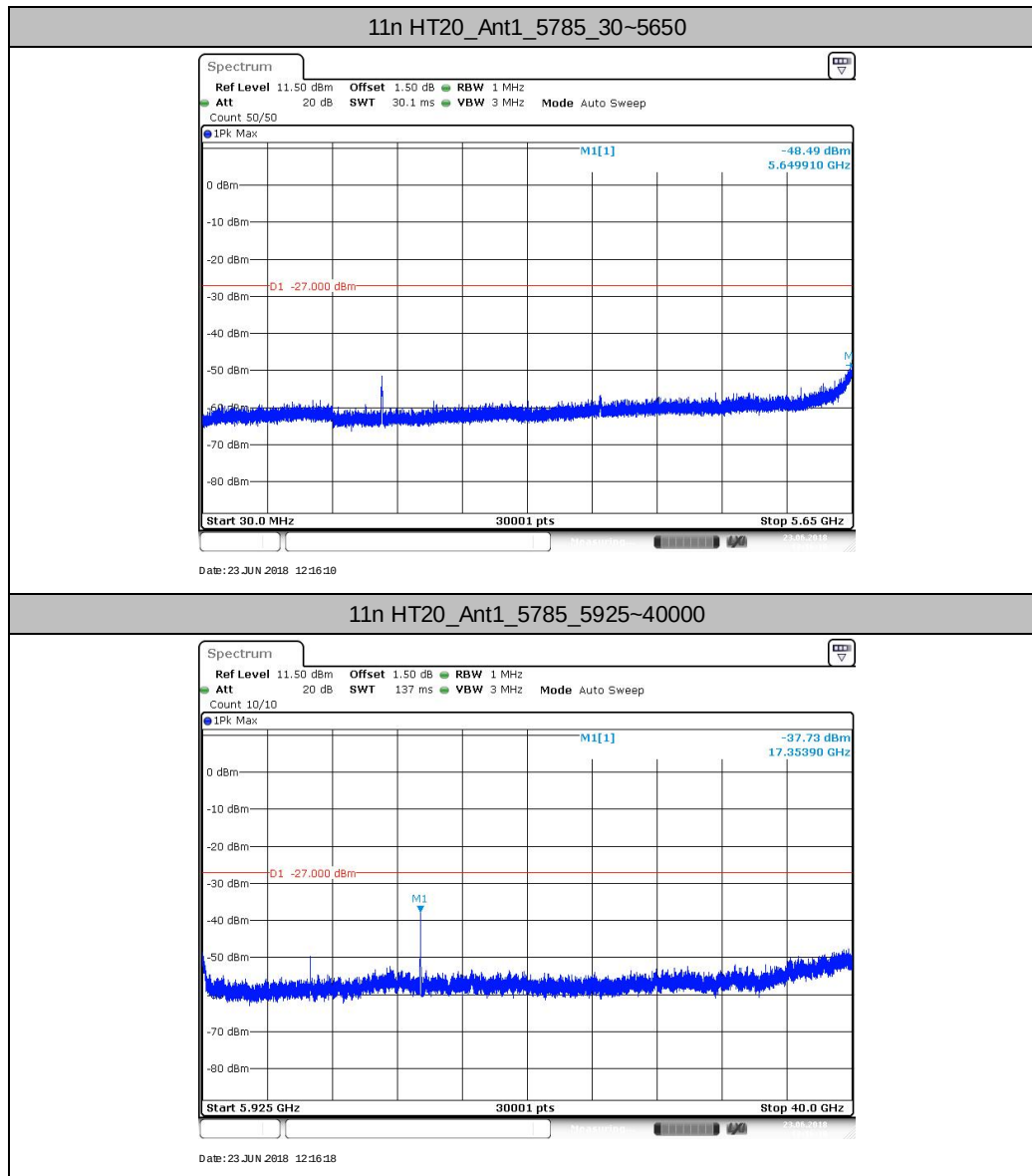


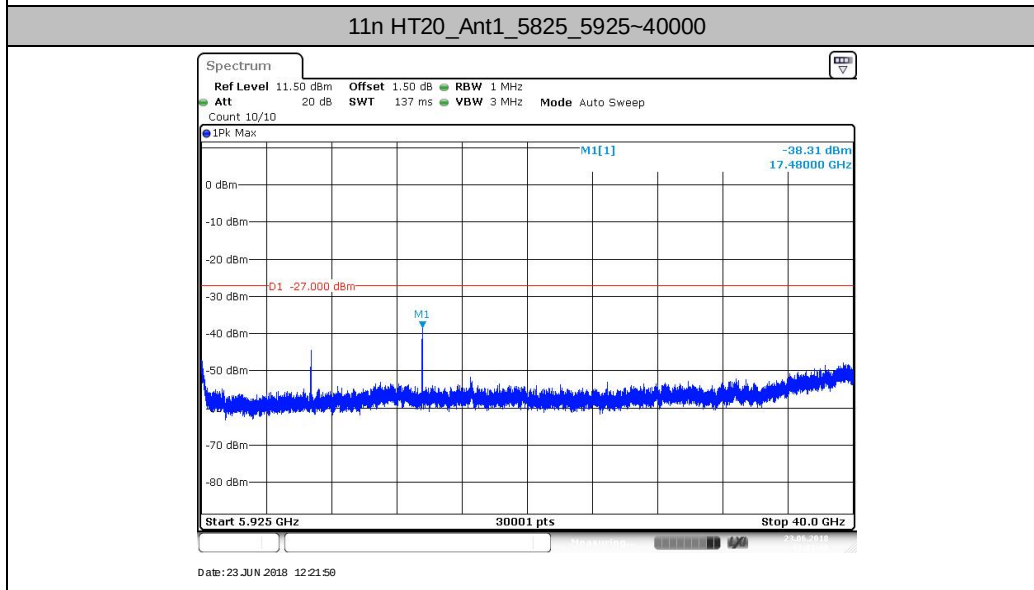
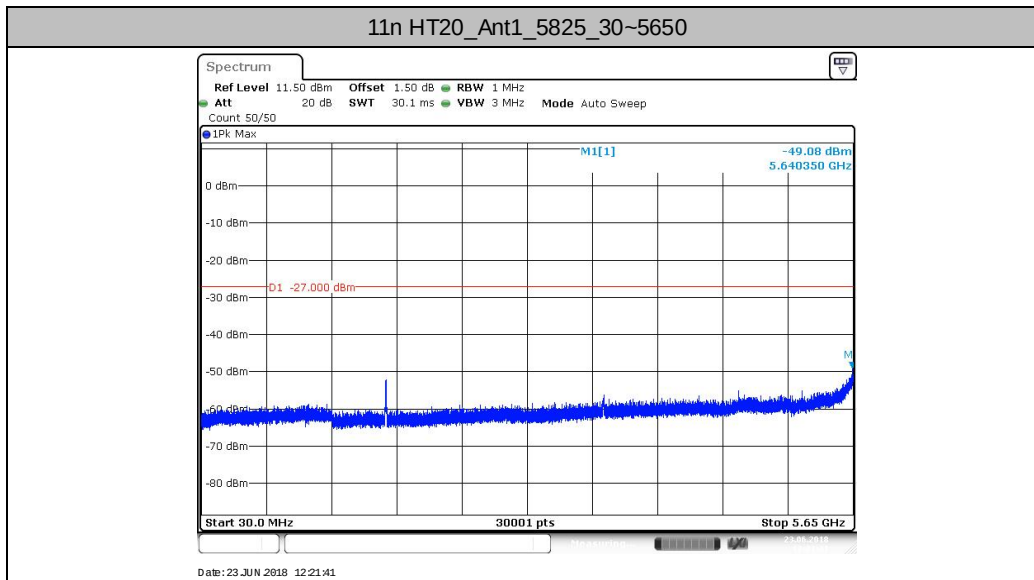












Appendix B8: Frequency Stability

Test Result

TestMod e	Antenn a	Voltage						
		Channe l (MHz)	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11n HT20	Ant1	5180	NV	NT	30000	5.791506	20	PASS
		5180	LV	NT	0	0	20	PASS
		5180	HV	NT	0	0	20	PASS
		5200	NV	NT	0	0	20	PASS
		5200	LV	NT	15000	2.884615	20	PASS
		5200	HV	NT	-15000	-2.884615	20	PASS
		5240	NV	NT	0	0	20	PASS
		5240	LV	NT	15000	2.862595	20	PASS
		5240	HV	NT	15000	2.862595	20	PASS
		5260	NV	NT	0	0	20	PASS
		5260	LV	NT	0	0	20	PASS
		5260	HV	NT	30000	5.703422	20	PASS
		5280	NV	NT	0	0	20	PASS
		5280	LV	NT	0	0	20	PASS
		5280	HV	NT	15000	2.840909	20	PASS
		5320	NV	NT	0	0	20	PASS
		5320	LV	NT	0	0	20	PASS
		5320	HV	NT	0	0	20	PASS
		5500	NV	NT	0	0	20	PASS
		5500	LV	NT	-15000	-2.727273	20	PASS
		5500	HV	NT	0	0	20	PASS
		5580	NV	NT	15000	2.688172	20	PASS
		5580	LV	NT	15000	2.688172	20	PASS
		5580	HV	NT	0	0	20	PASS
		5700	NV	NT	15000	2.631579	20	PASS
		5700	LV	NT	0	0	20	PASS
		5700	HV	NT	30000	5.263158	20	PASS
		5745	NV	NT	0	0	20	PASS
		5745	LV	NT	0	0	20	PASS
		5745	HV	NT	0	0	20	PASS
		5785	NV	NT	-15000	-2.592913	20	PASS
		5785	LV	NT	-15000	-2.592913	20	PASS
		5785	HV	NT	30000	5.185825	20	PASS
		5825	NV	NT	0	0	20	PASS
		5825	LV	NT	0	0	20	PASS
		5825	HV	NT	0	0	20	PASS

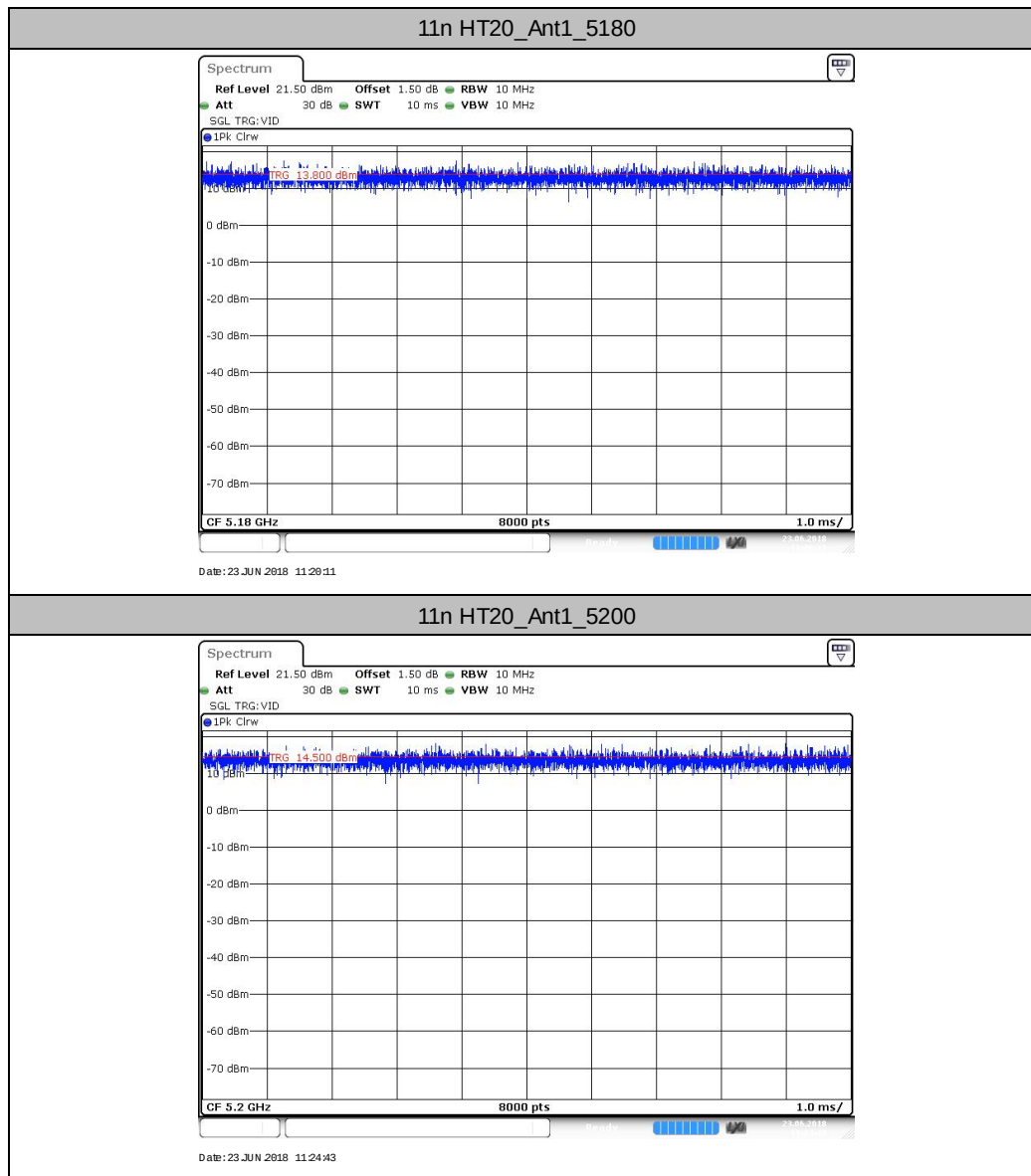
Temperature								
TestMod e	Antenn a	Channe l (MHz)	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11n HT20	Ant1	5180	NV	-5	0	0	20	PASS
		5180	NV	50	30000	5.791506	20	PASS
		5200	NV	-5	0	0	20	PASS
		5200	NV	50	30000	5.769231	20	PASS
		5240	NV	-5	0	0	20	PASS
		5240	NV	50	0	0	20	PASS
		5260	NV	-5	0	0	20	PASS
		5260	NV	50	0	0	20	PASS
		5280	NV	-5	0	0	20	PASS
		5280	NV	50	0	0	20	PASS
		5320	NV	-5	15000	2.819549	20	PASS
		5320	NV	50	15000	2.819549	20	PASS
		5500	NV	-5	-15000	-2.727273	20	PASS
		5500	NV	50	-15000	-2.727273	20	PASS
		5580	NV	-5	15000	2.688172	20	PASS
		5580	NV	50	0	0	20	PASS
		5700	NV	-5	15000	2.631579	20	PASS
		5700	NV	50	-15000	-2.631579	20	PASS
		5745	NV	-5	0	0	20	PASS
		5745	NV	50	-15000	-2.610966	20	PASS
		5785	NV	-5	-15000	-2.592913	20	PASS
		5785	NV	50	0	0	20	PASS
		5825	NV	-5	15000	2.575107	20	PASS
		5825	NV	50	0	0	20	PASS

Appendix B9: Duty Cycle

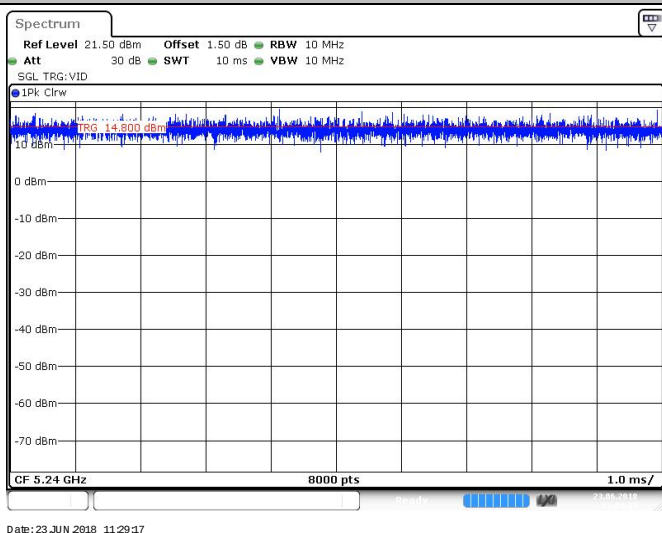
Test Result

TestMode	Antenna	Channel (MHz)	Duty Cycle [%]
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

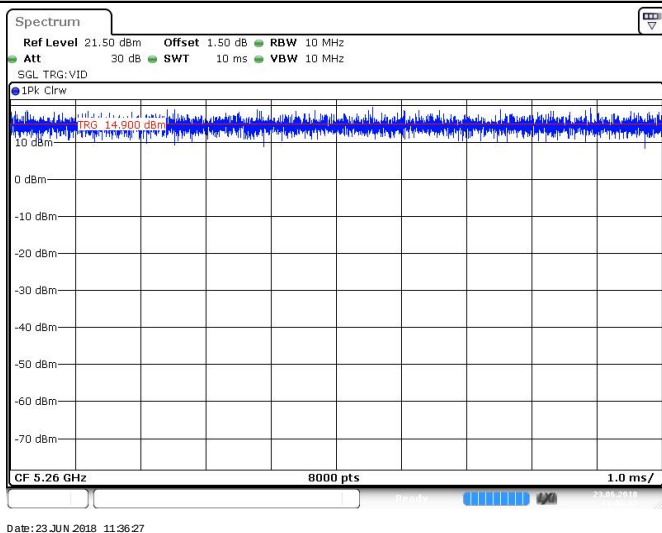
Test Graphs



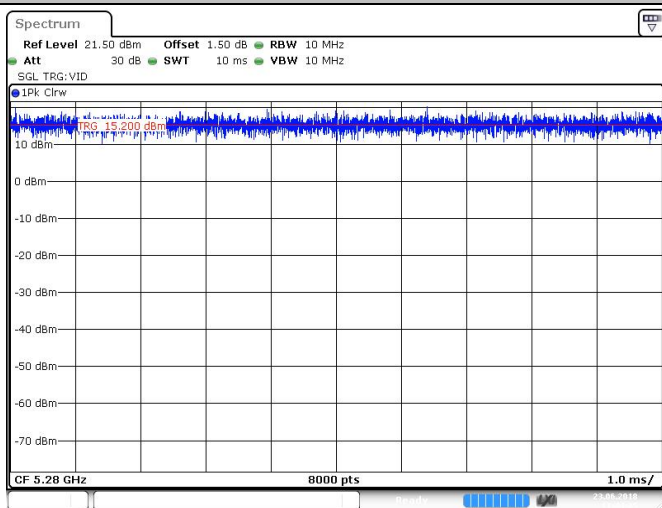
11n HT20_Ant1_5240



11n HT20_Ant1_5260

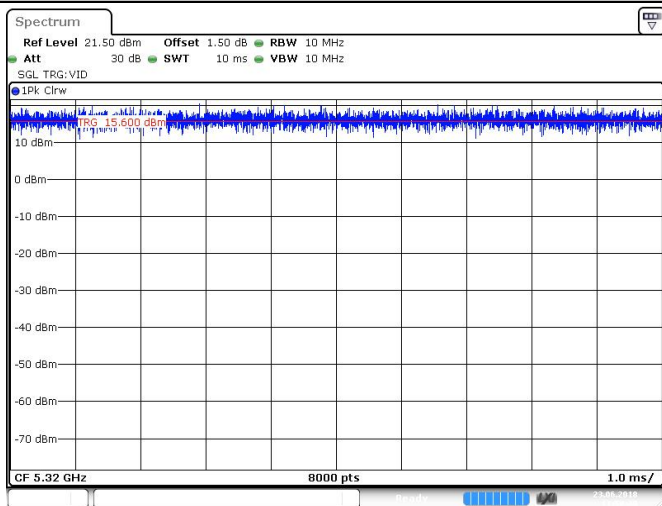


11n HT20_Ant1_5280



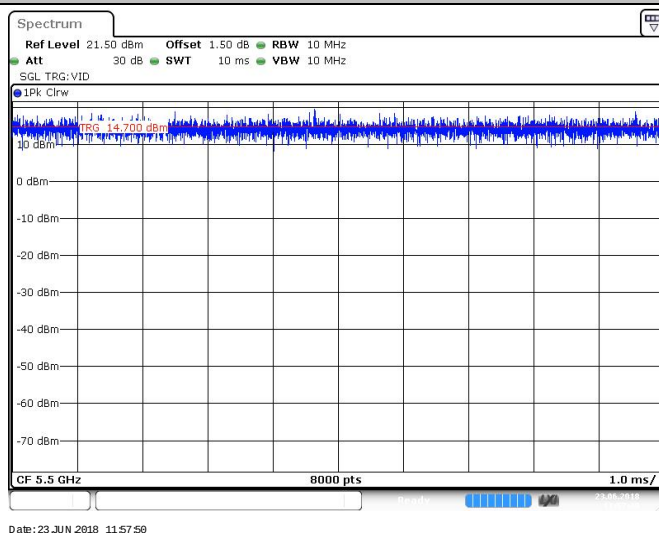
Date: 23 JUN 2018 11:44:26

11n HT20_Ant1_5320

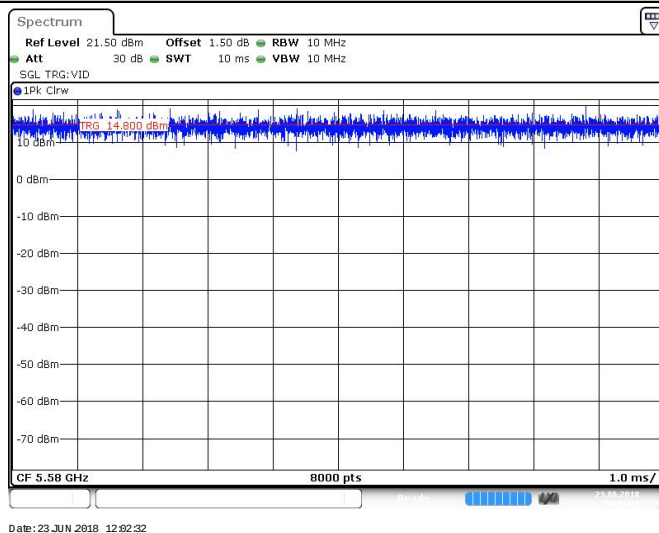


Date: 23 JUN 2018 11:50:49

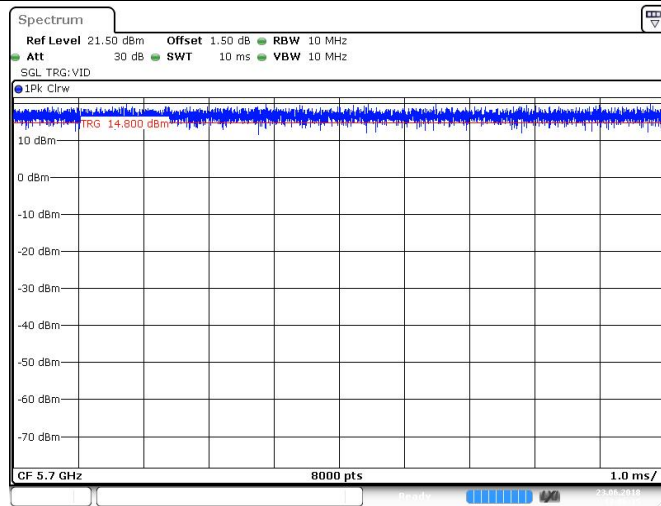
11n HT20_Ant1_5500



11n HT20_Ant1_5580

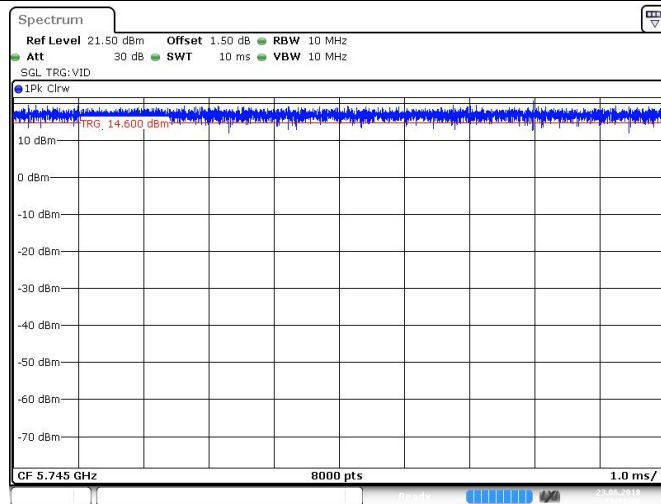


11n HT20_Ant1_5700



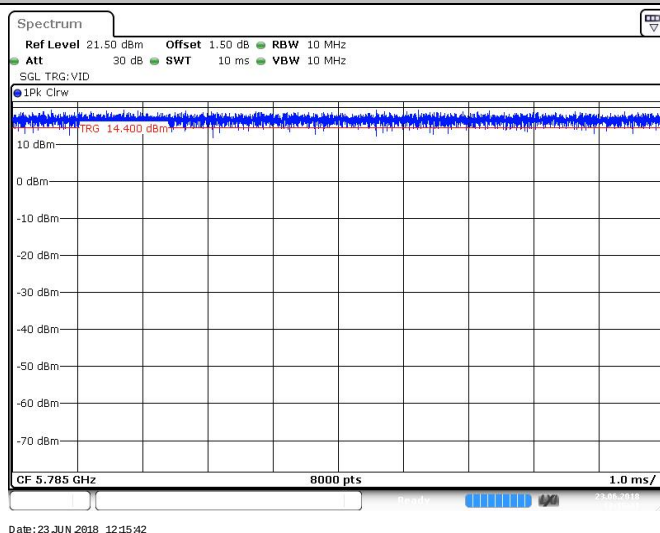
Date: 23 JUN 2018 12:06:16

11n HT20_Ant1_5745



Date: 23 JUN 2018 12:11:46

11n HT20_Ant1_5785



11n HT20_Ant1_5825

