

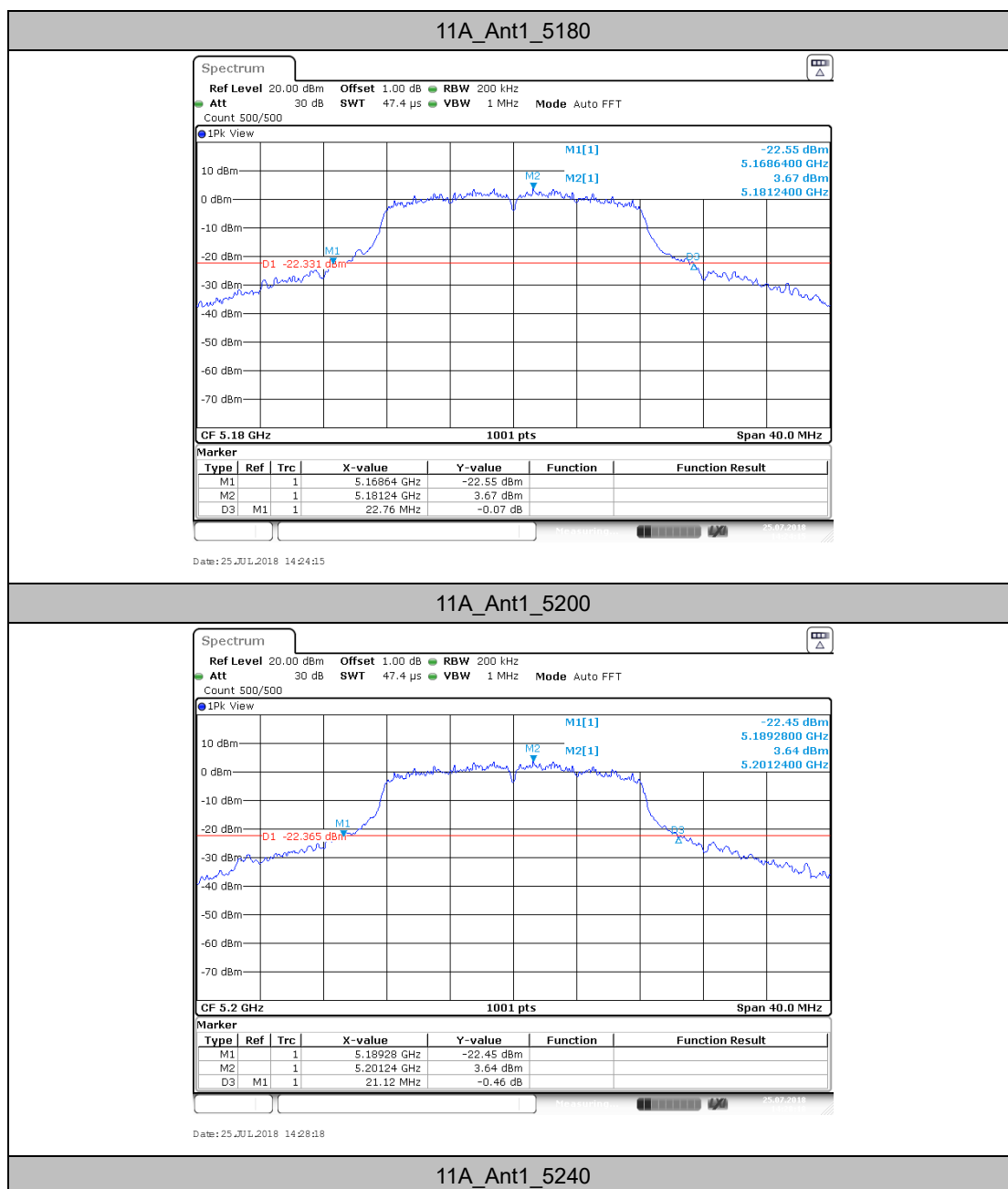


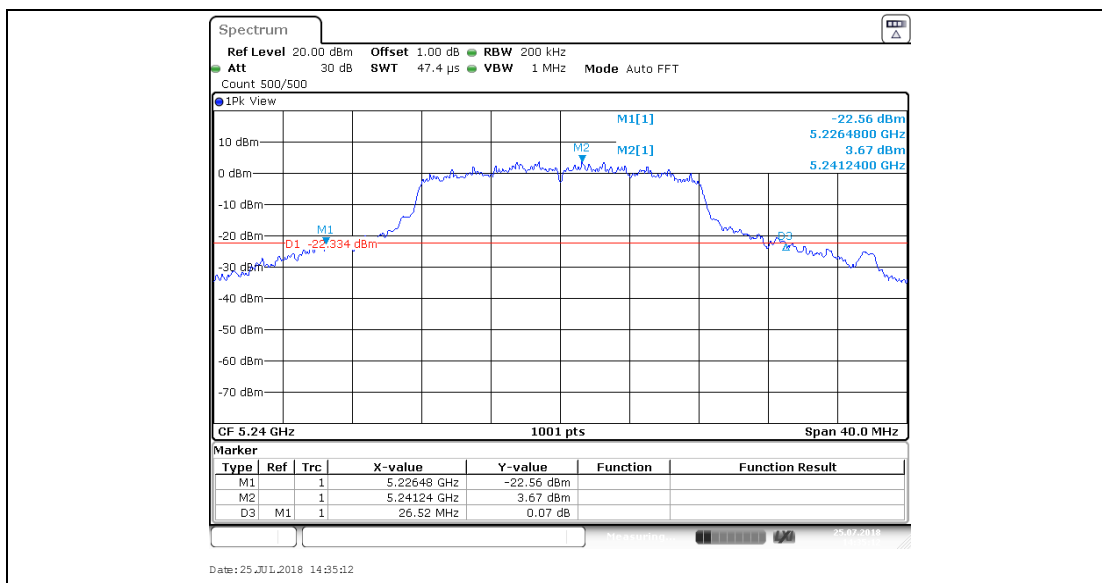
## Appendix1 A1: Emission Bandwidth

### Test Result

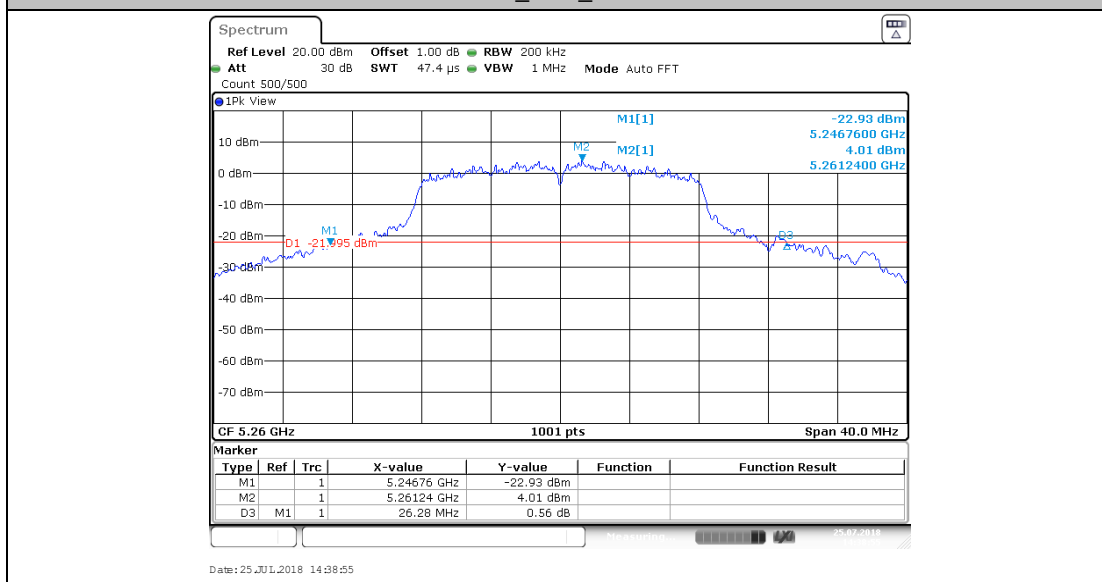
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.760	5168.640	5191.400	---	PASS
		5200	21.120	5189.280	5210.400	---	PASS
		5240	26.520	5226.480	5253.000	---	PASS
		5260	26.280	5246.760	5273.040	---	PASS
		5280	25.600	5267.240	5292.840	---	PASS
		5320	24.560	5307.200	5331.760	---	PASS
		5500	24.080	5487.680	5511.760	---	PASS
		5580	23.400	5568.240	5591.640	---	PASS
		5700	22.000	5688.880	5710.880	---	PASS
		5745	25.760	5732.120	5757.880	---	PASS
		5785	22.120	5774.160	5796.280	---	PASS
		5825	21.920	5813.840	5835.760	---	PASS

# Test Graphs

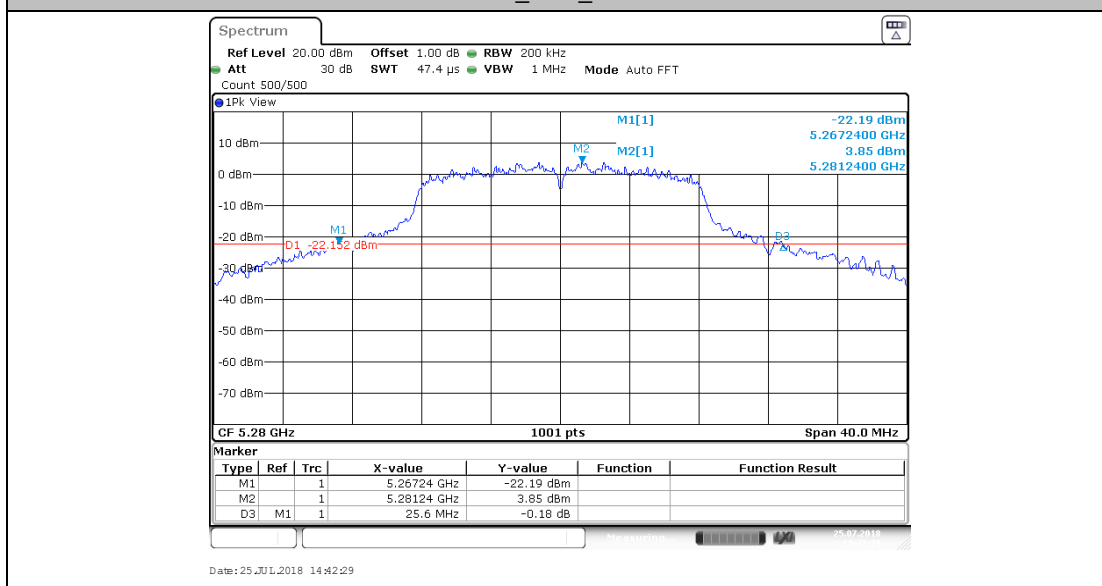




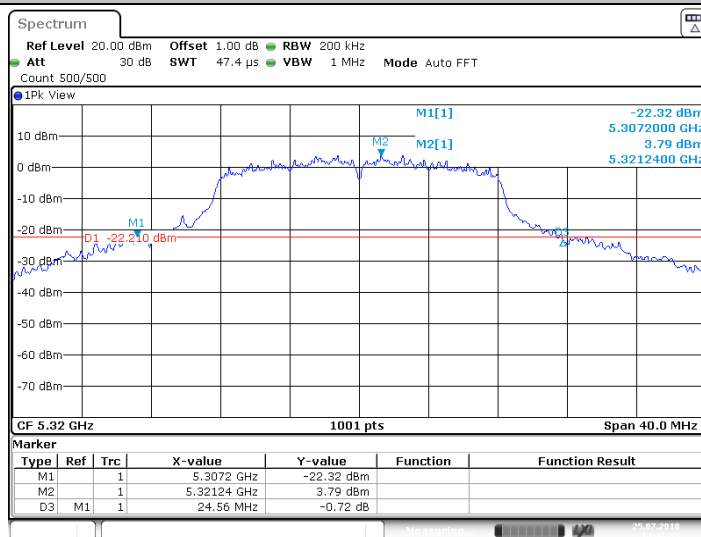
### 11A\_Ant1\_5260



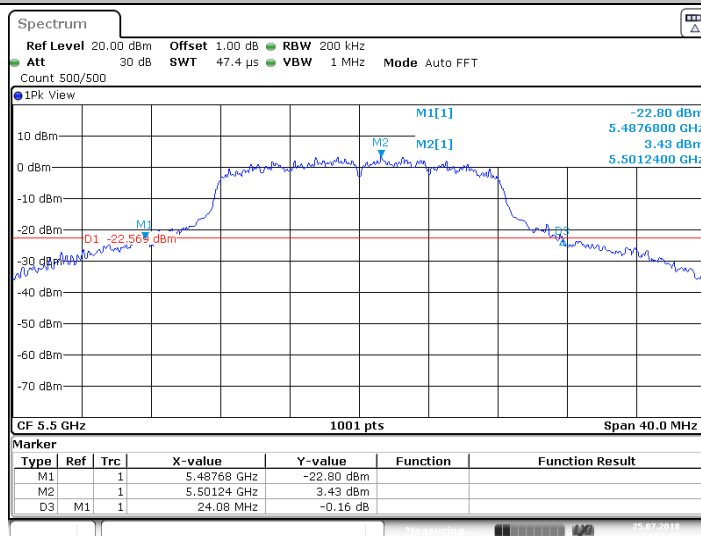
### 11A\_Ant1\_5280



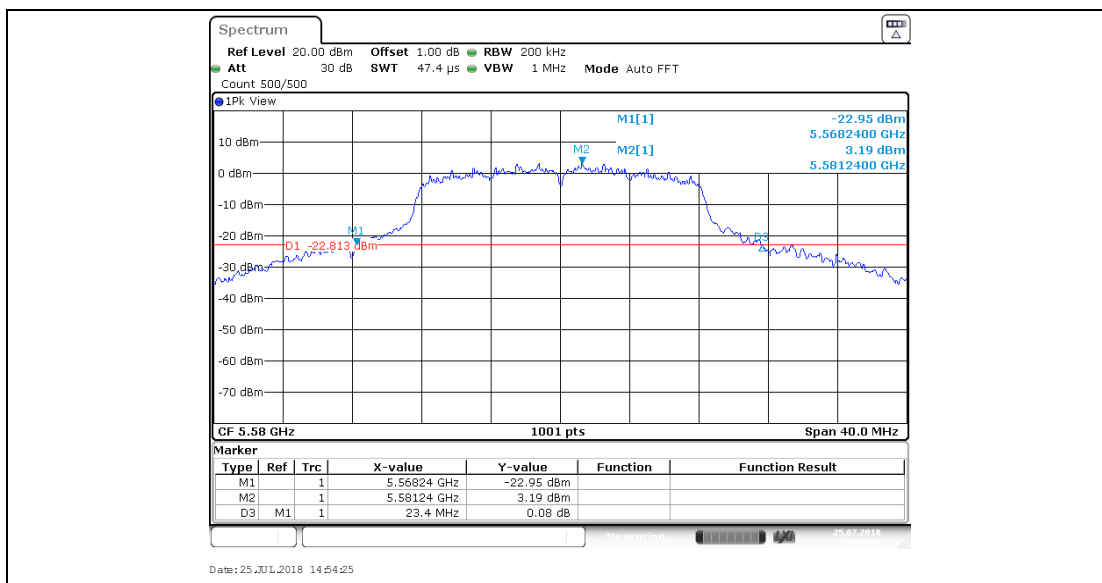
### 11A\_Ant1\_5320



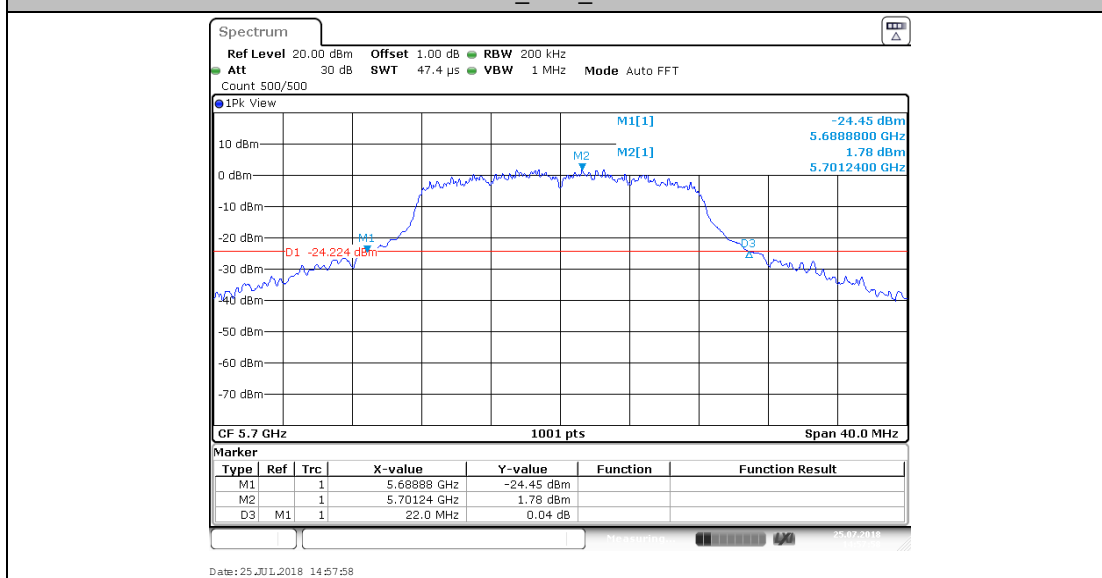
### 11A\_Ant1\_5500



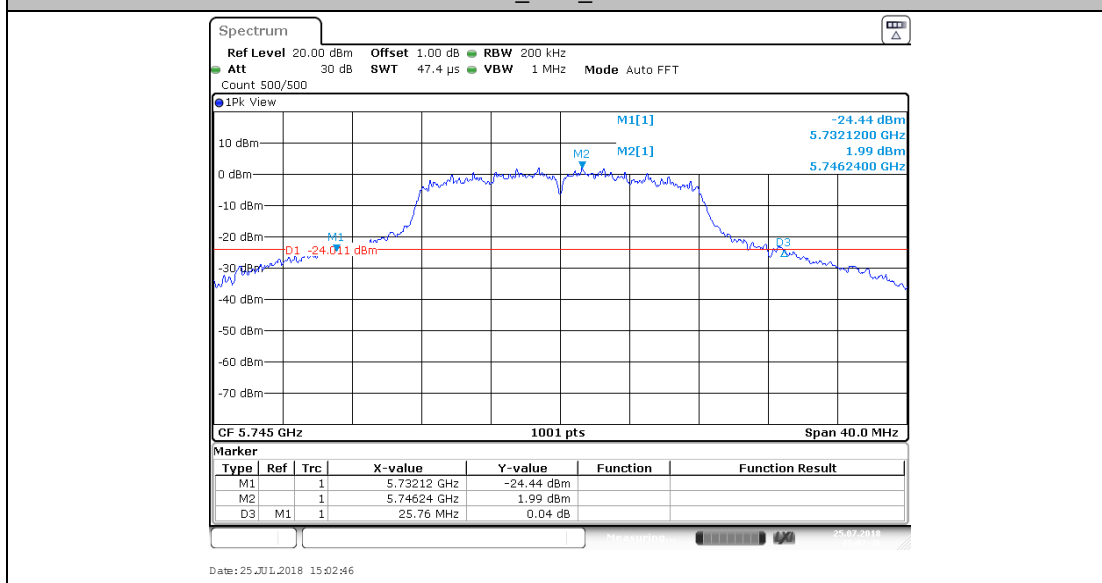
### 11A\_Ant1\_5580



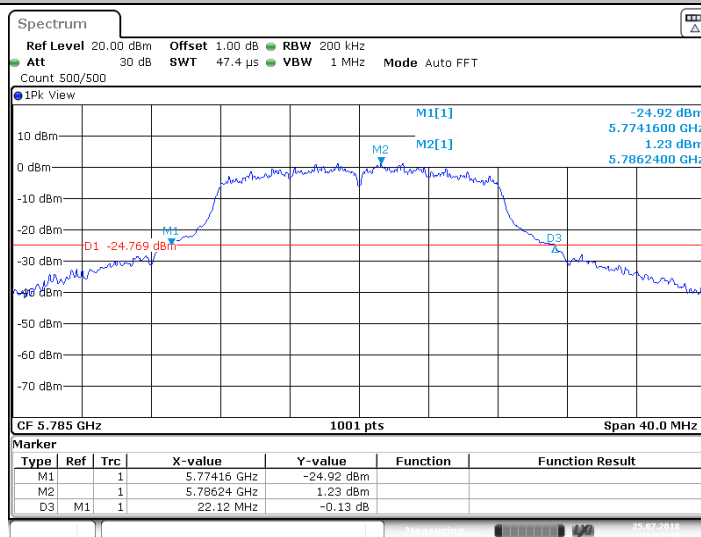
### 11A\_Ant1\_5700



### 11A\_Ant1\_5745

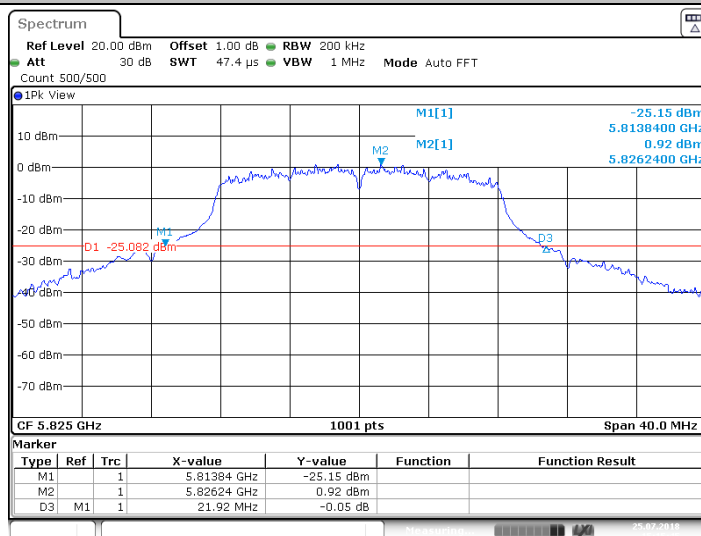


### 11A\_Ant1\_5785



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### 11A\_Ant1\_5825



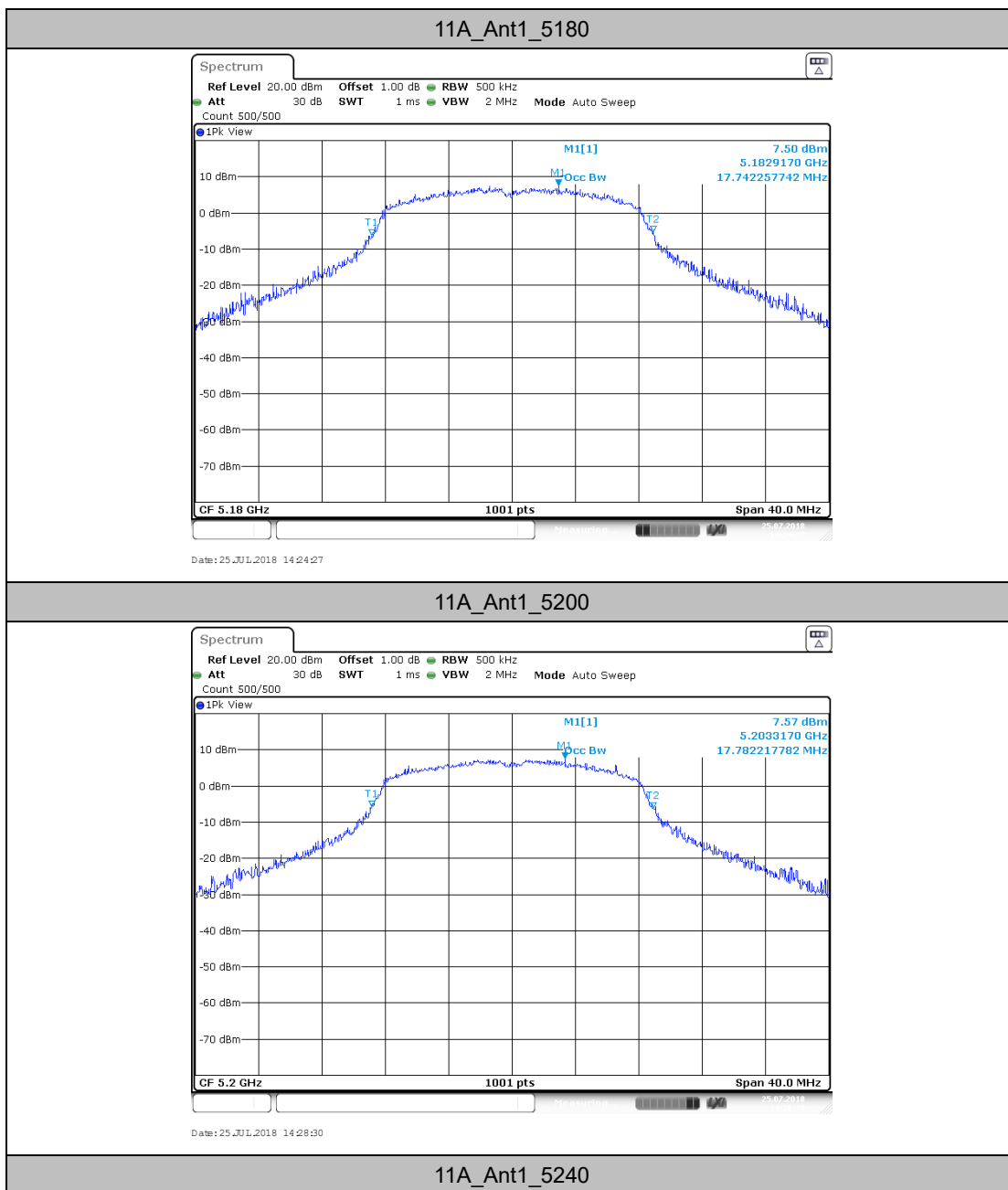
Date: 25 JUL 2018 15:15:45

## Appendix1 A2: Occupied channel bandwidth

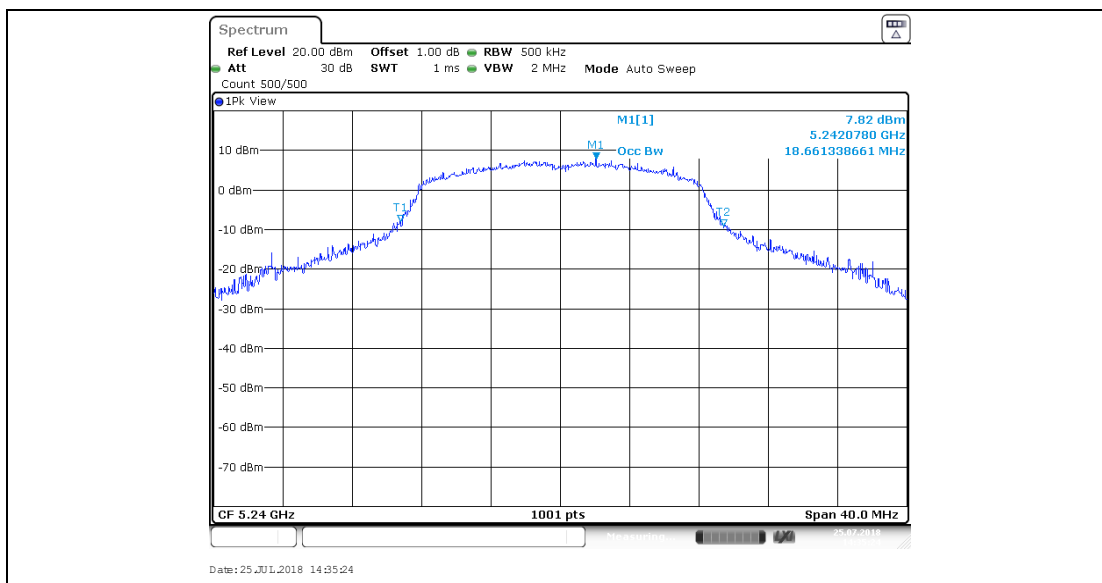
### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.742	5171.169	5188.911	---	PASS
		5200	17.782	5191.129	5208.911	---	PASS
		5240	18.661	5230.769	5249.431	---	PASS
		5260	18.581	5250.849	5269.431	---	PASS
		5280	18.541	5270.769	5289.311	---	PASS
		5320	18.342	5310.889	5329.231	---	PASS
		5500	18.222	5490.889	5509.111	---	PASS
		5580	18.382	5570.769	5589.151	---	PASS
		5700	17.782	5691.049	5708.831	---	PASS
		5745	18.741	5735.529	5754.271	---	PASS
		5785	17.782	5776.169	5793.951	---	PASS
		5825	17.862	5816.009	5833.871	---	PASS

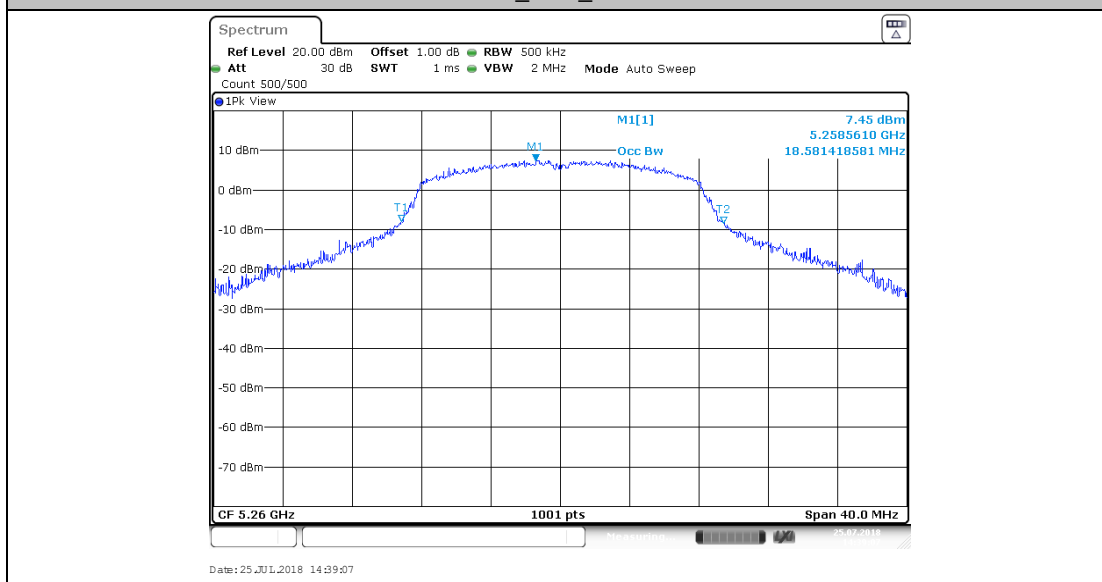
## Test Graphs



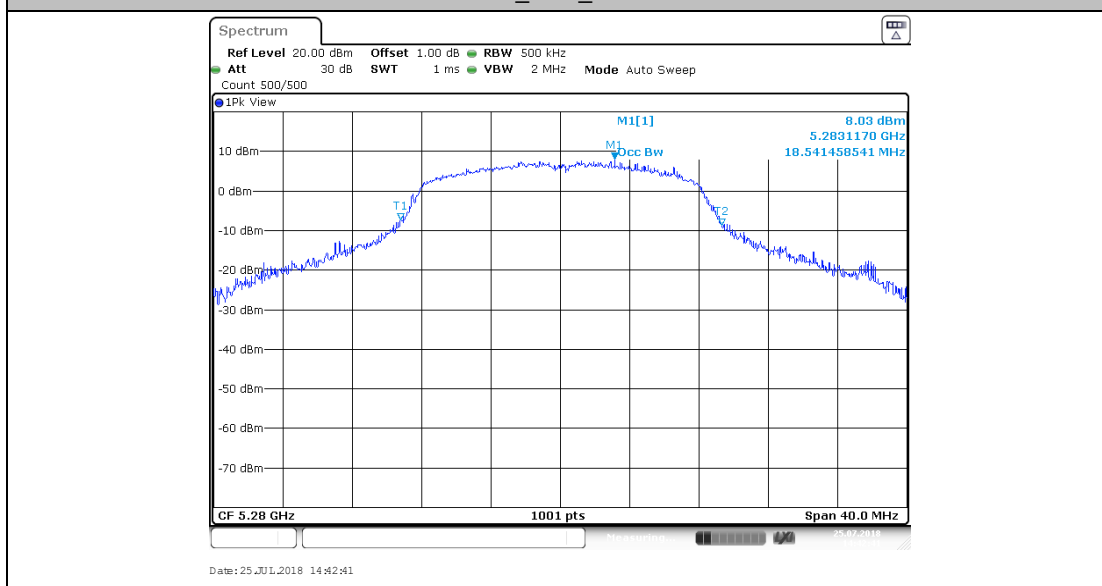




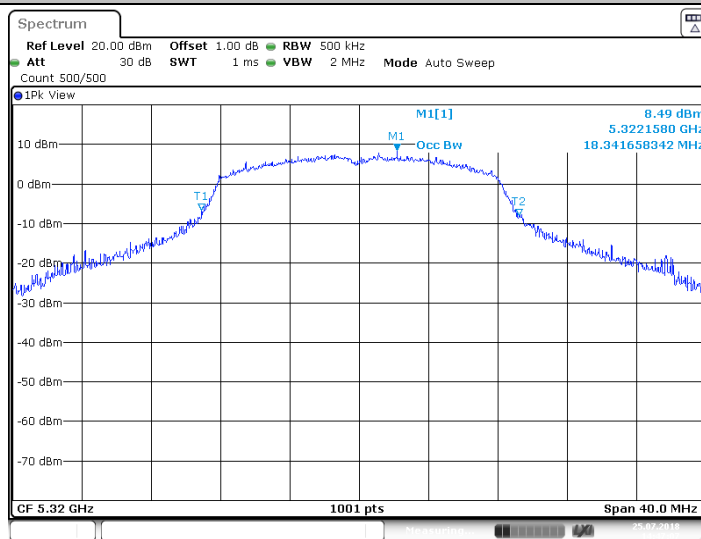
11A\_Ant1\_5260



11A\_Ant1\_5280

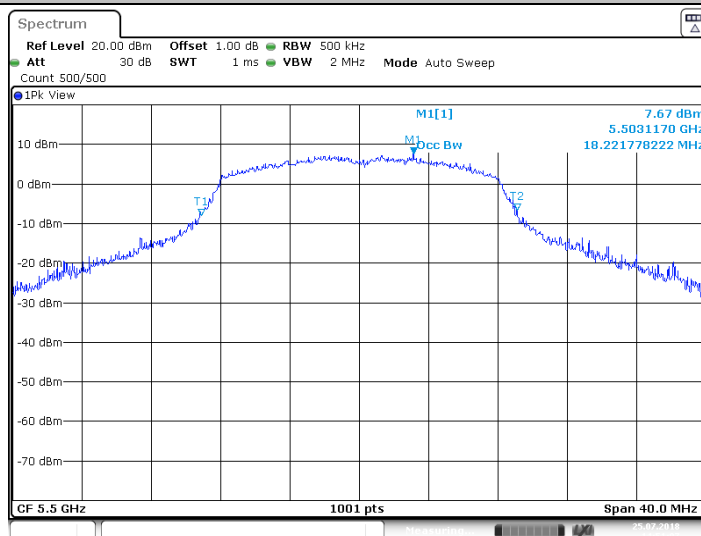


### 11A\_Ant1\_5320



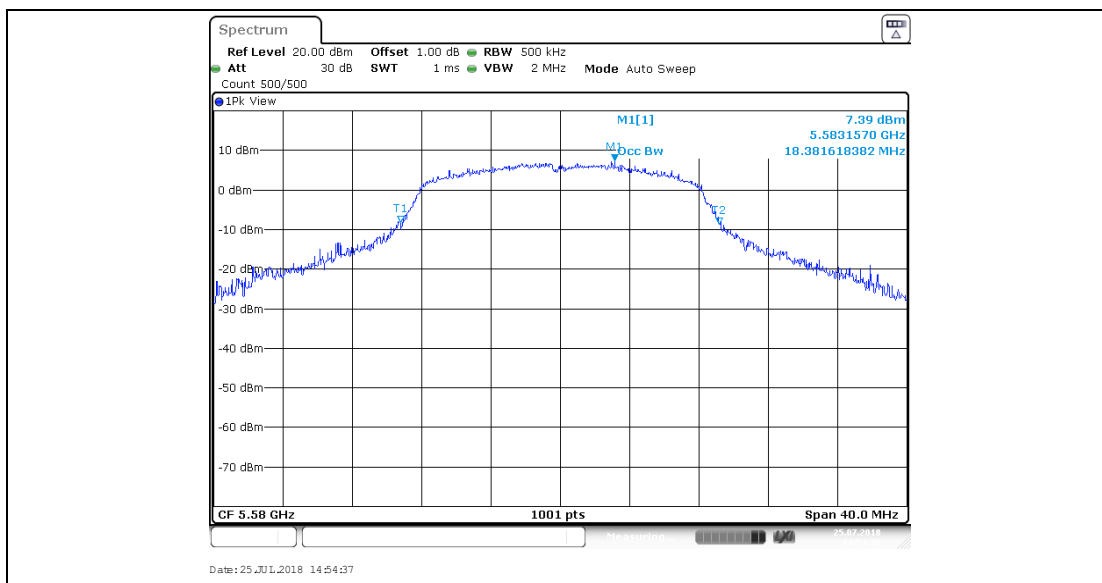
Date: 25 JUL 2018 14:47:07

### 11A\_Ant1\_5500

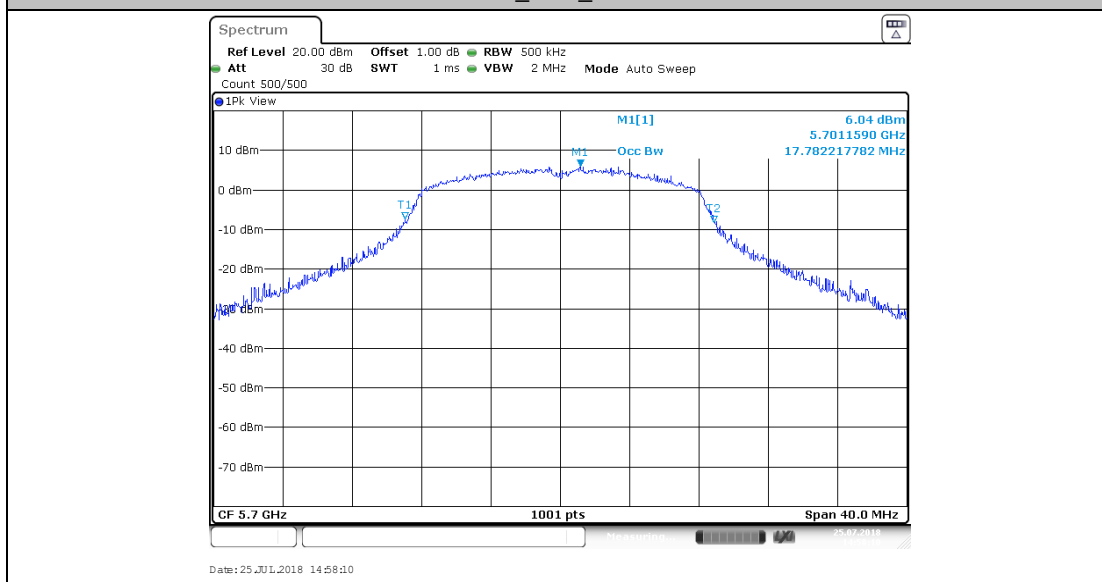


Date: 25 JUL 2018 14:51:08

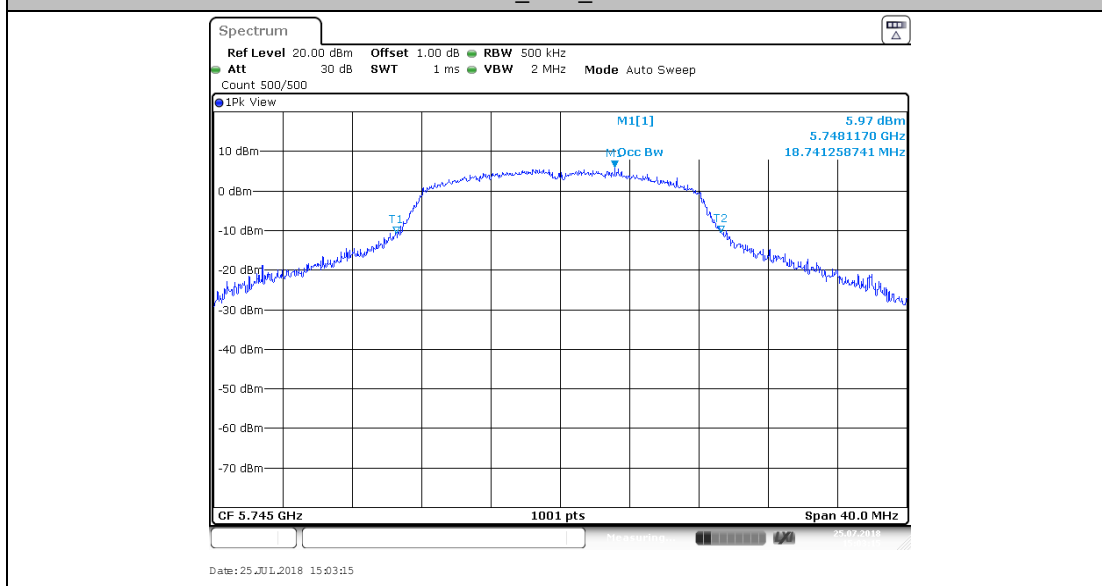
### 11A\_Ant1\_5580



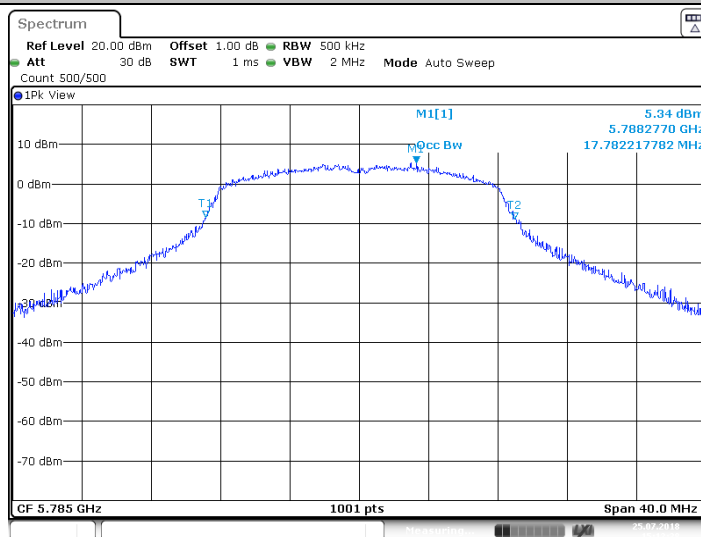
11A\_Ant1\_5700



11A\_Ant1\_5745

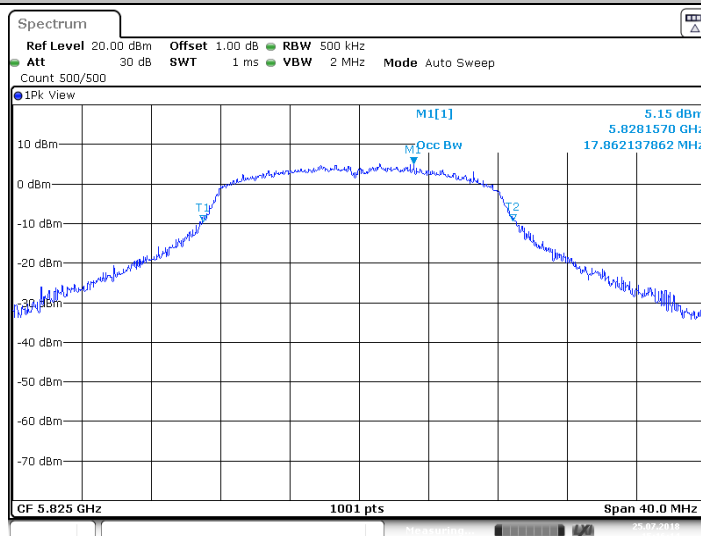


### 11A\_Ant1\_5785



Date: 25 JUL 2018 15:12:39

### 11A\_Ant1\_5825



Date: 25 JUL 2018 15:16:14

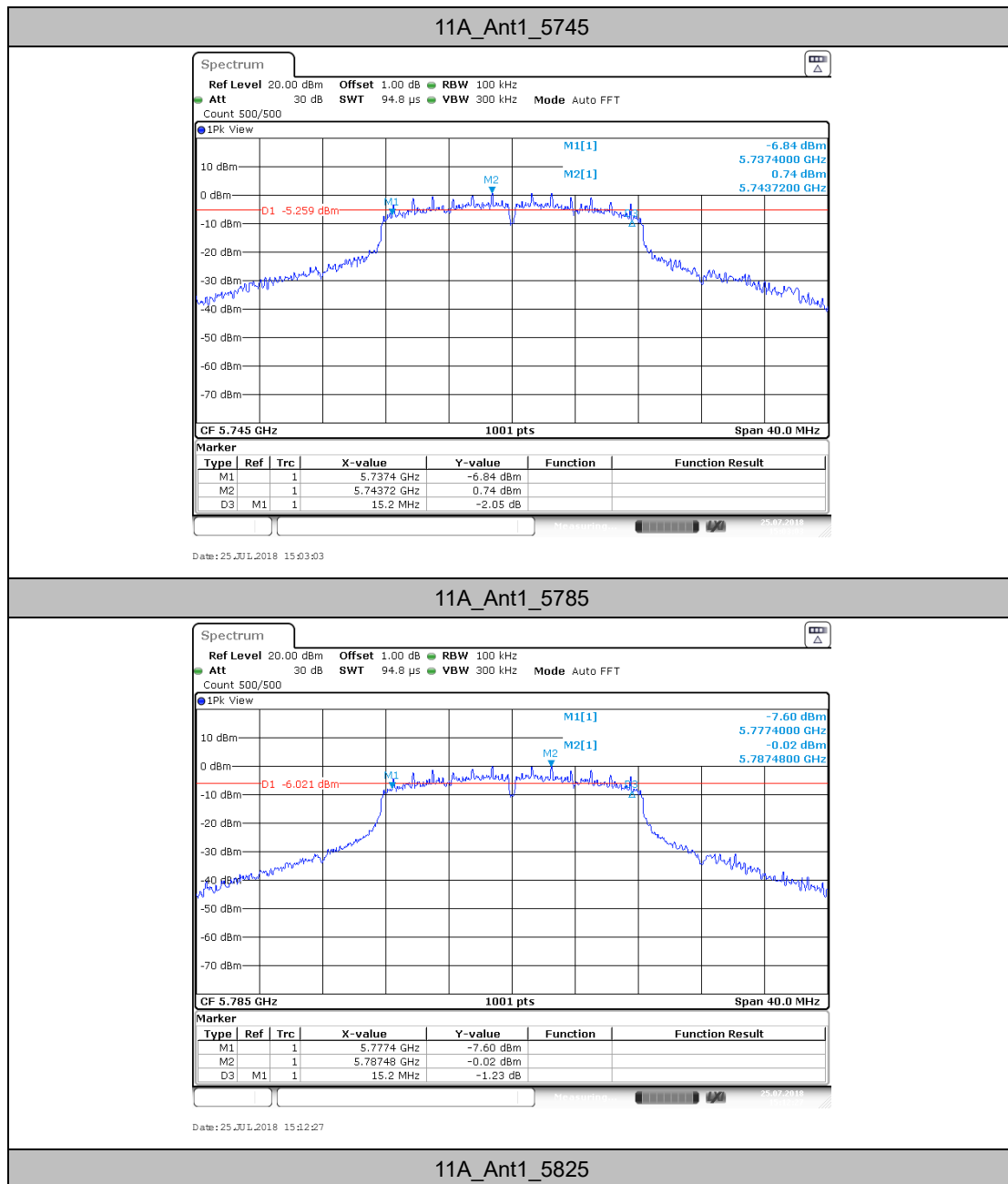


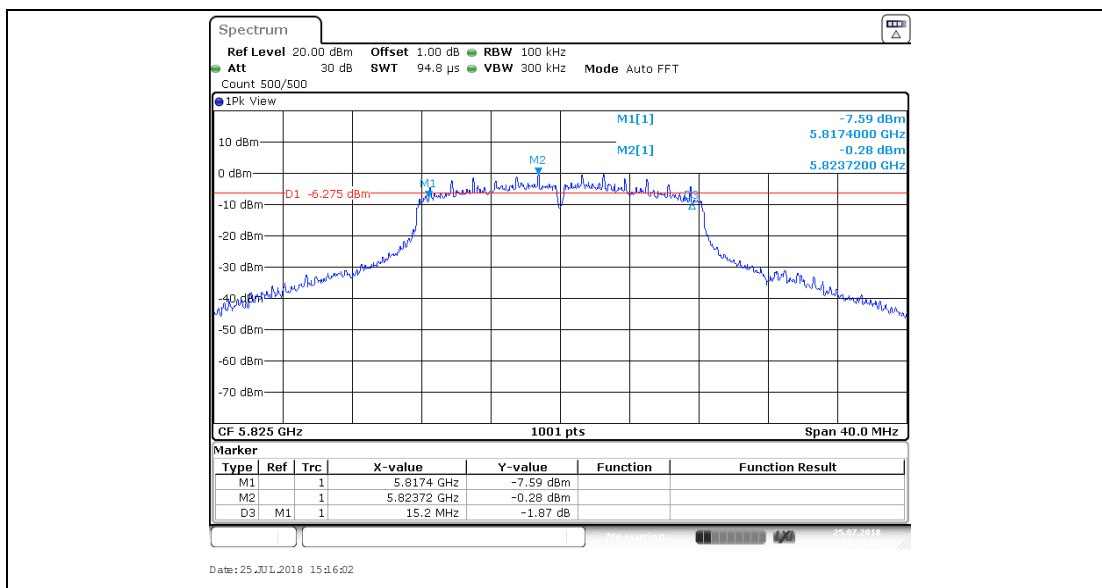
## Appendix1 A3: Min emission bandwidth

### Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.200	5737.400	5752.600	0.5	PASS
		5785	15.200	5777.400	5792.600	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS

## Test Graphs





## Appendix1 B: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result	Limit	Verdict
11A	Ant1	5180	20.13	23.98	PASS
		5200	20.45	23.98	PASS
		5240	20.32	23.98	PASS
		5260	20.73	23.98	PASS
		5280	20.57	23.98	PASS
		5320	20.41	23.98	PASS
		5500	20.29	23.98	PASS
		5580	20.02	23.98	PASS
		5700	18.81	23.98	PASS
		5745	18.51	30	PASS
		5785	18.14	30	PASS
		5825	17.74	30	PASS

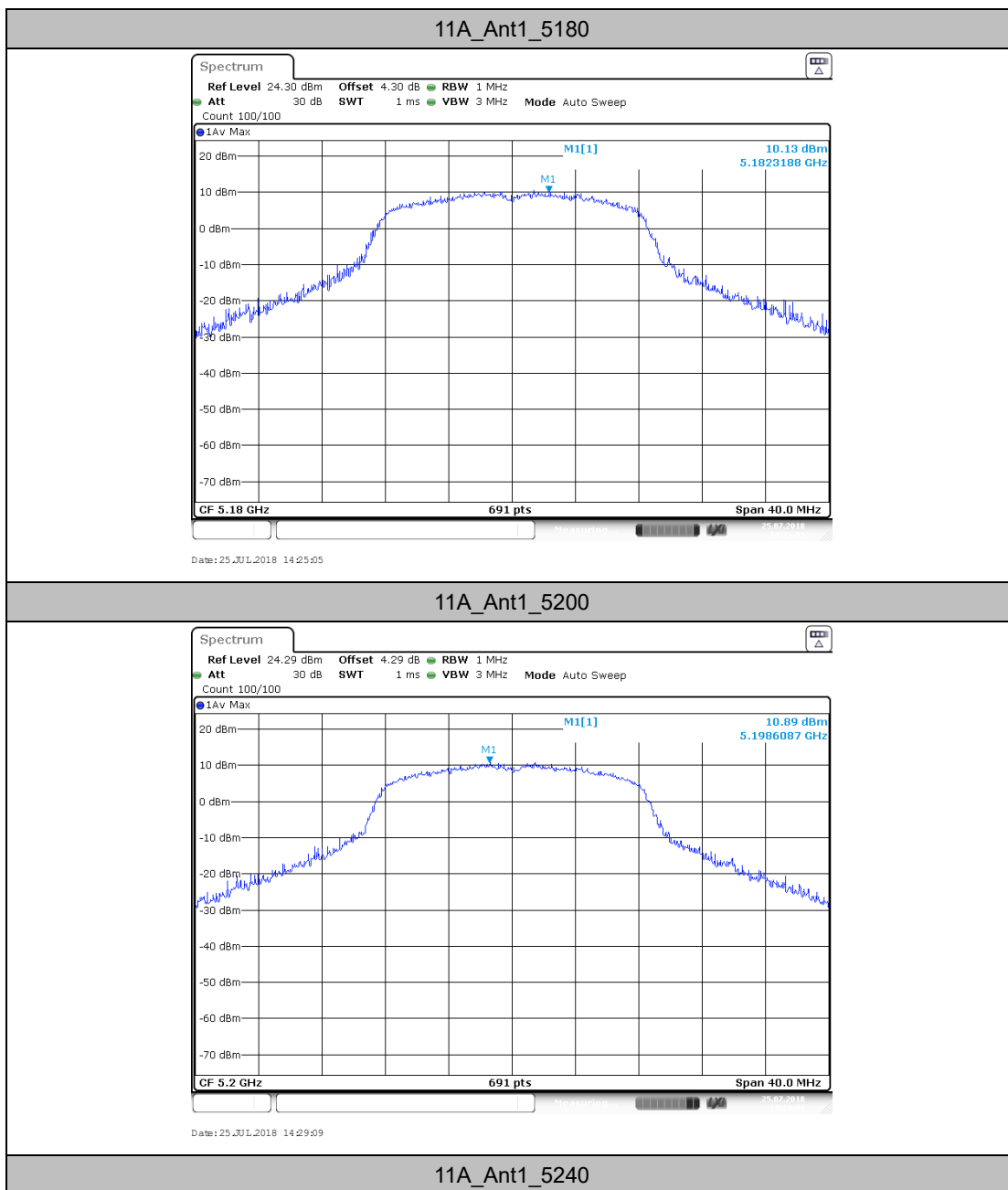


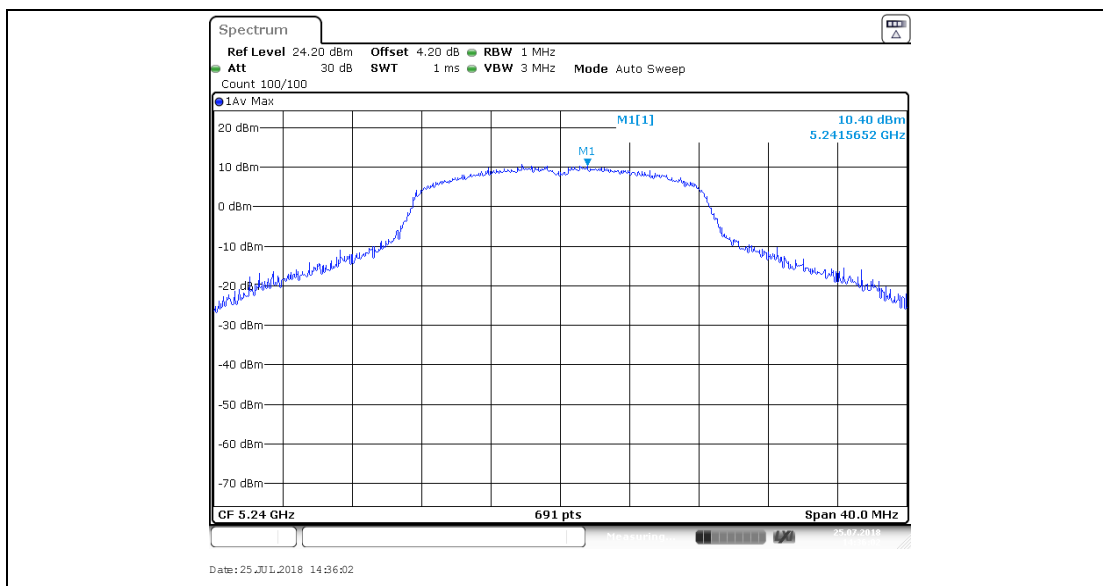
## Appendix1 C: Maximum power spectral density

### Test Result

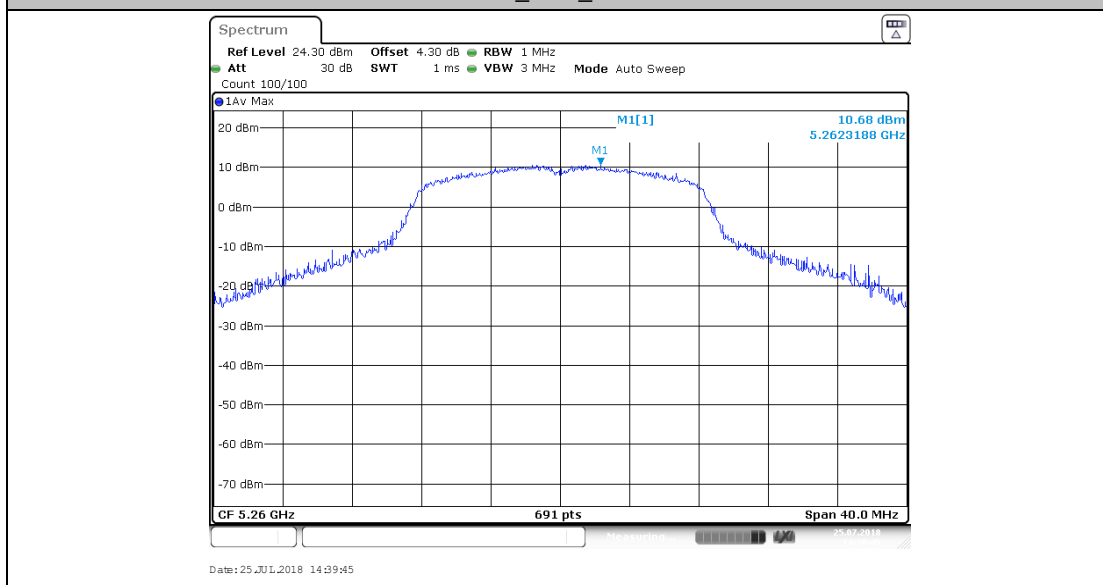
TestMode	Antenna	Channel	Result	Limit	Verdict
11A	Ant1	5180	10.13	11	PASS
		5200	10.89	11	PASS
		5240	10.4	11	PASS
		5260	10.68	11	PASS
		5280	10.26	11	PASS
		5320	10.44	11	PASS
		5500	10.17	11	PASS
		5580	10.2	11	PASS
		5700	8.85	11	PASS
		5745	7.41	30	PASS
		5785	6.94	30	PASS
		5825	6.67	30	PASS

## Test Graphs

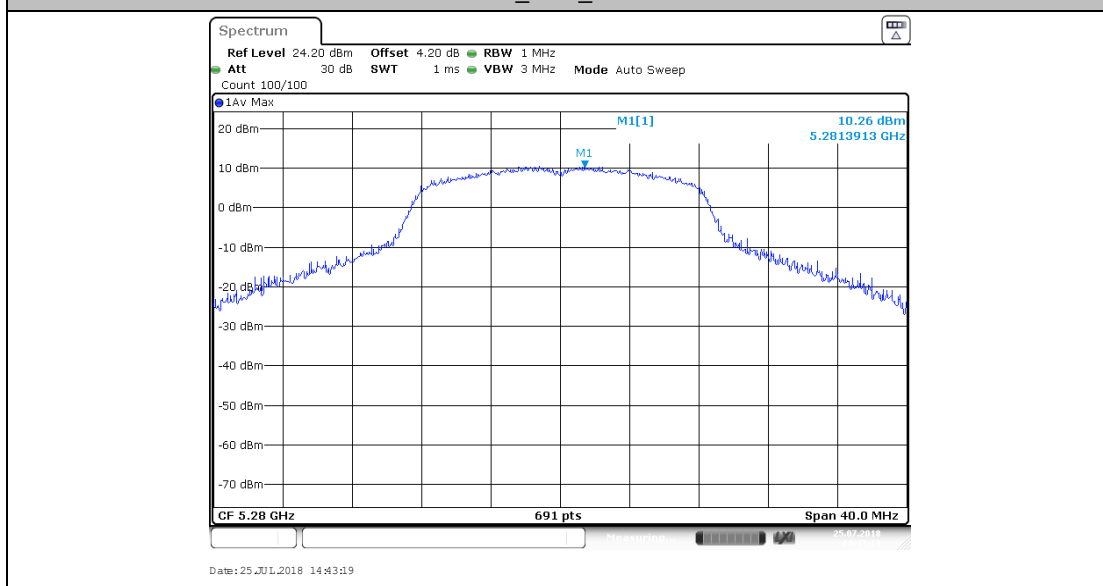




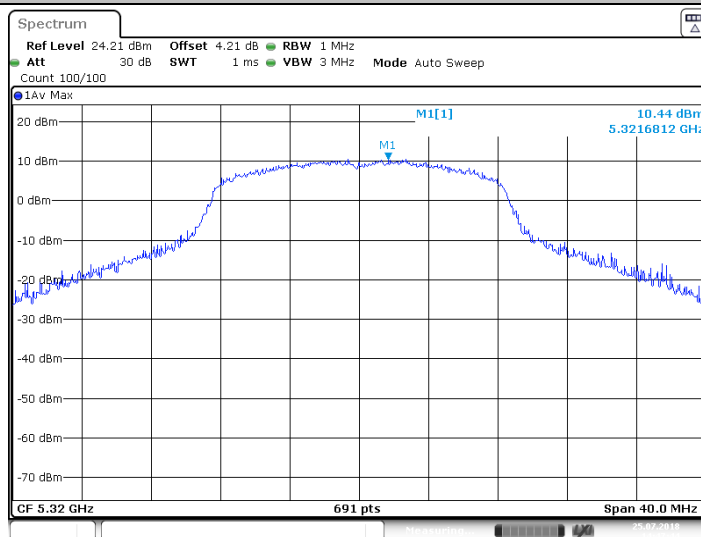
11A\_Ant1\_5260



11A\_Ant1\_5280

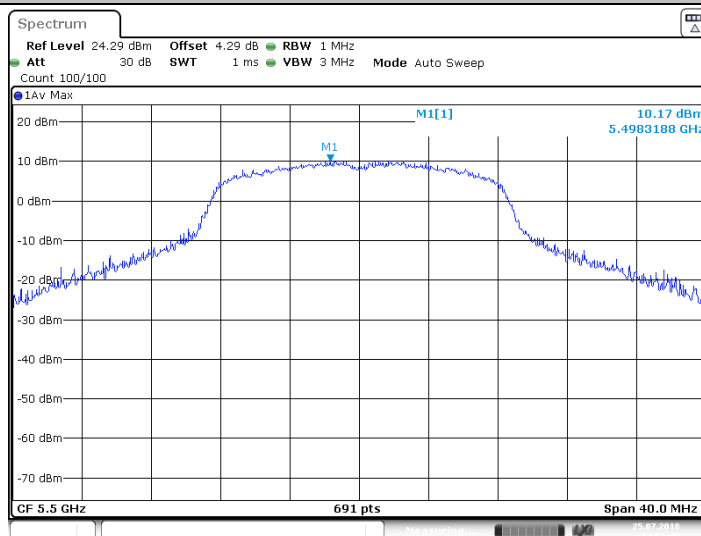


### 11A\_Ant1\_5320



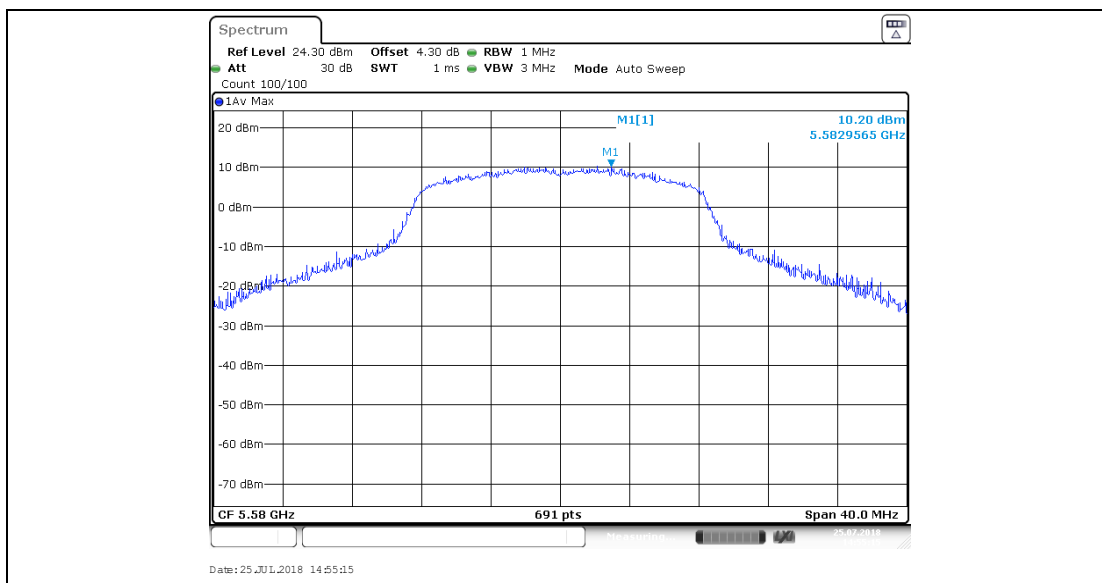
Date: 25 JUL 2018 14:47:45

### 11A\_Ant1\_5500

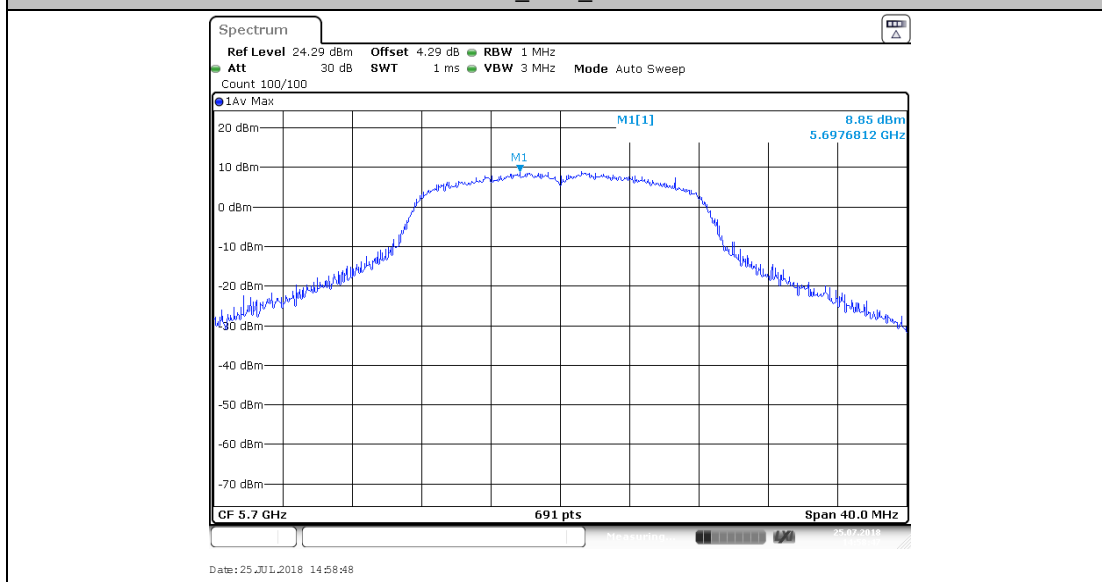


Date: 25 JUL 2018 14:51:46

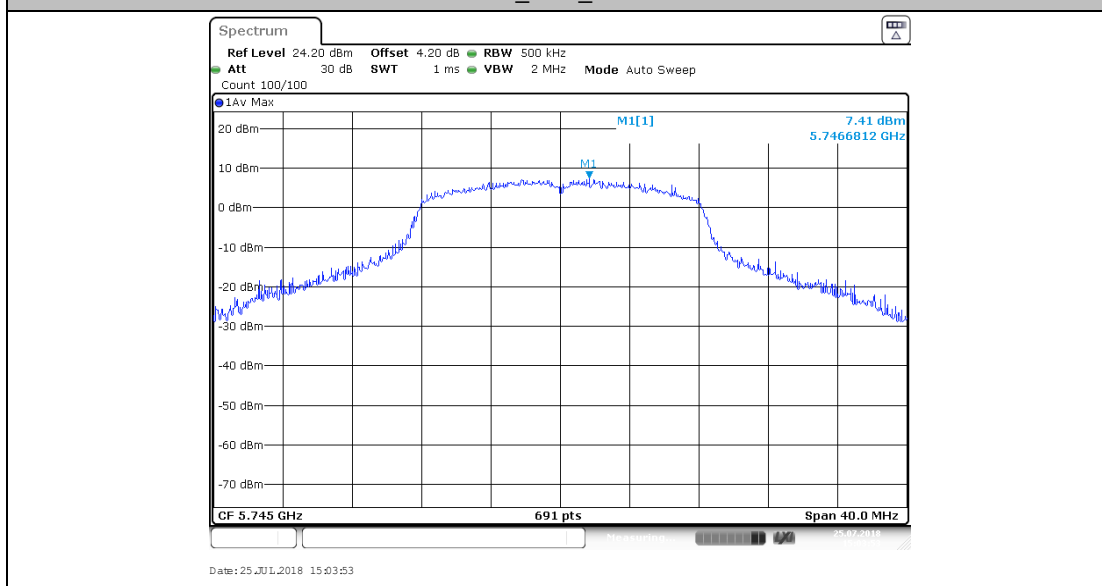
### 11A\_Ant1\_5580



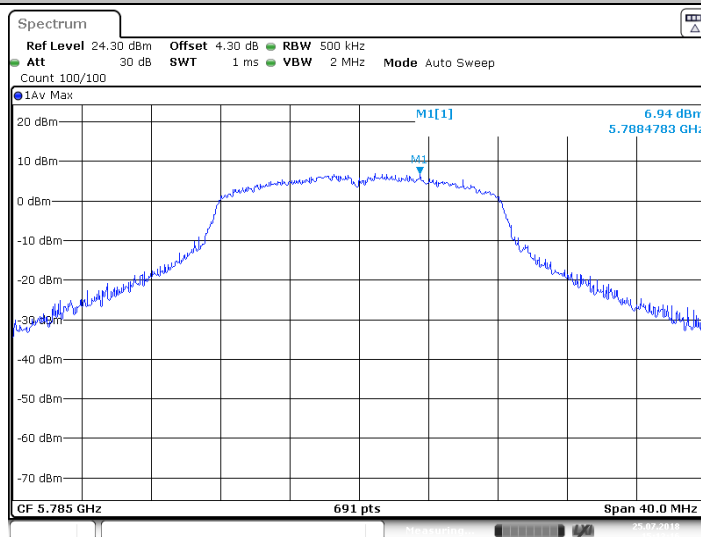
11A\_Ant1\_5700



11A\_Ant1\_5745

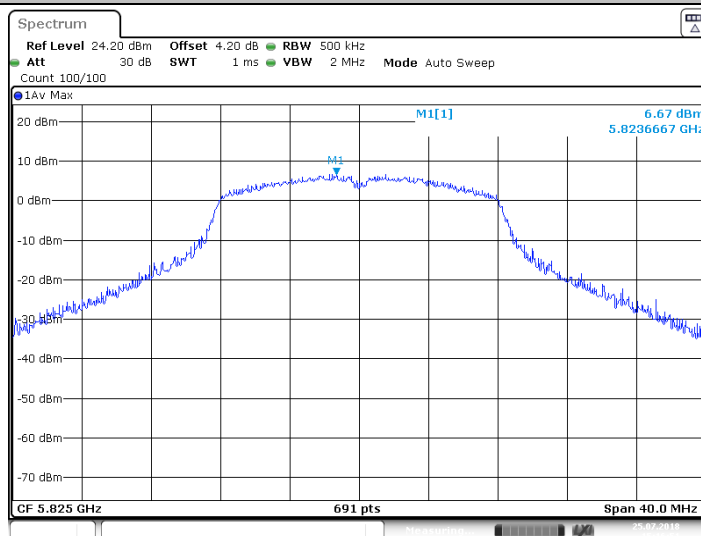


### 11A\_Ant1\_5785



Date: 25 JUL 2018 15:13:17

### 11A\_Ant1\_5825



Date: 25 JUL 2018 15:16:52

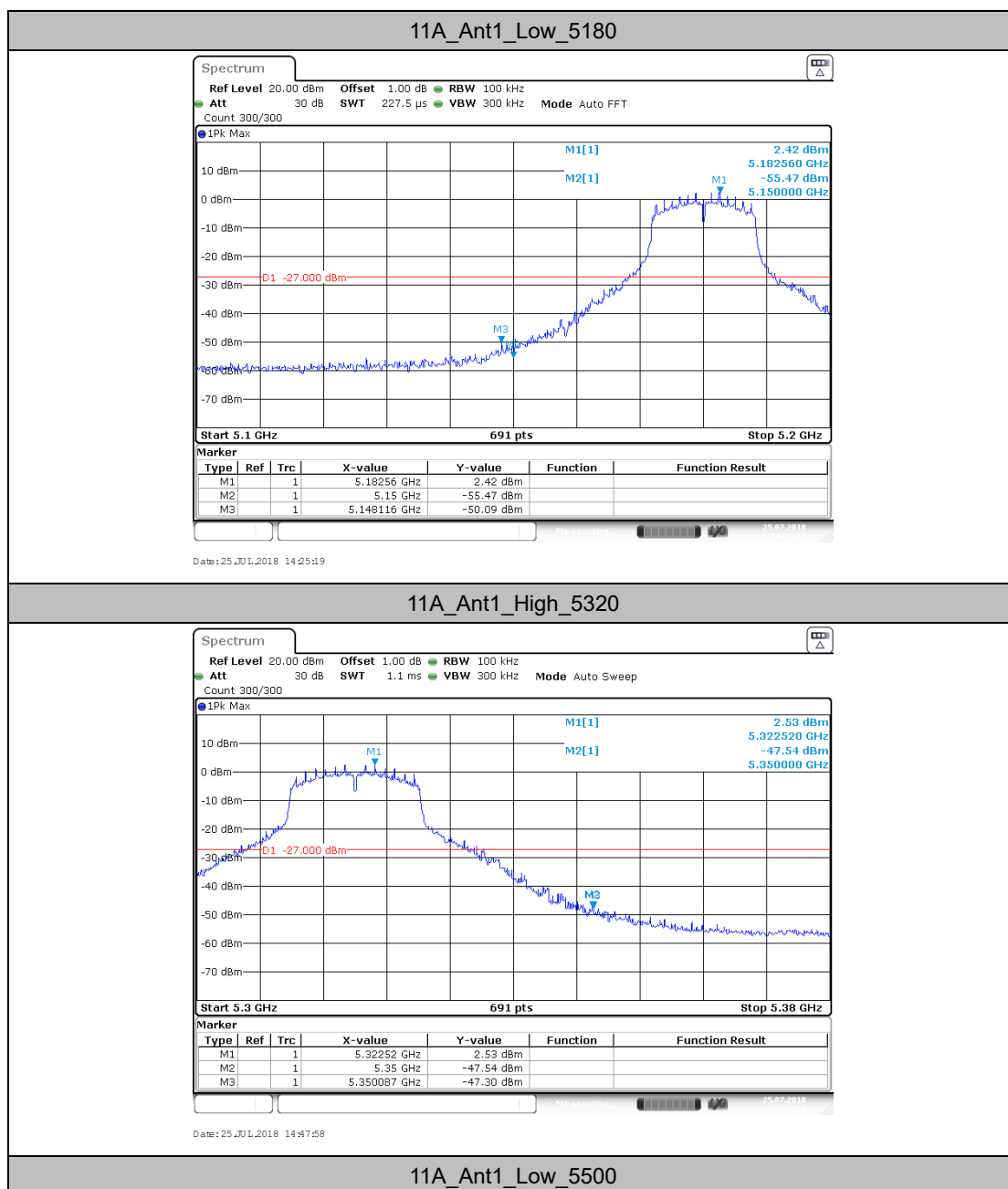
## Appendix1 D: Band edge measurements

### Test Result

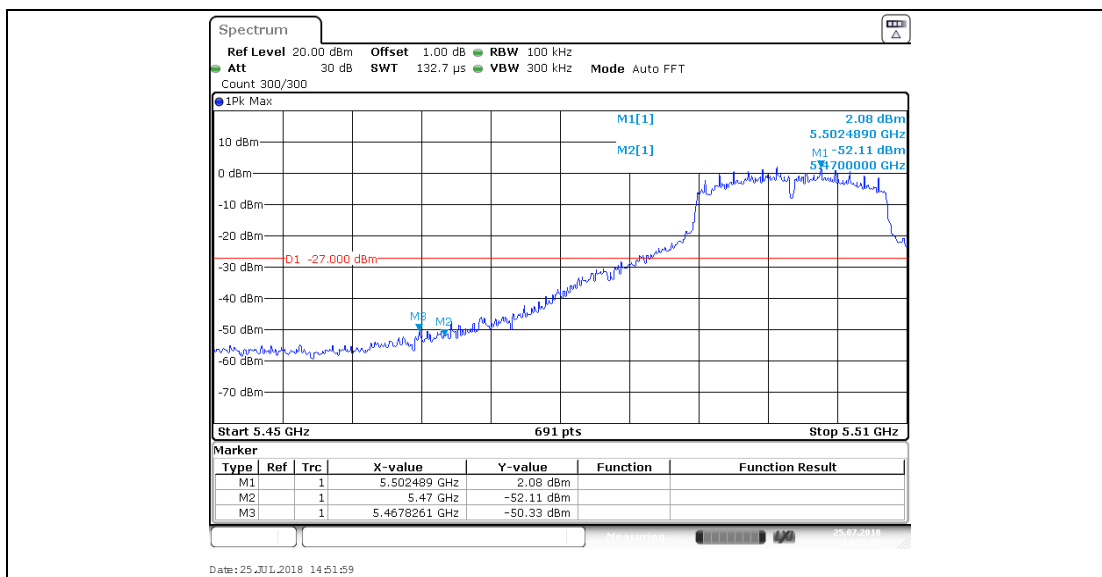
TestMode	Antenna	ChName	Channel	Result	Limit	Verdict
11A	Ant1	Low	5180	-50.09	-27	PASS
		High	5320	-47.3	-27	PASS
		Low	5500	-50.33	-27	PASS
		High	5700	-49.24	-27	PASS

TestMode	Antenna	ChName	Channel	FreqRange	Result	Limit	Verdict
11A	Ant1	Low	5745	5650~5700	-56.73	6.18	PASS
		Low	5745	5700~5720	-45.31	15.60	PASS
		Low	5745	5720~5725	-37.69	27.00	PASS
		Low	5745	5760~5650	-51.12	-27	PASS
		High	5825	5850~5855	-51.91	19.81	PASS
		High	5825	5855~5875	-54.04	10.21	PASS
		High	5825	5875~5925	-54.08	8.42	PASS
		High	5825	5925~5935	-52.76	-27	PASS

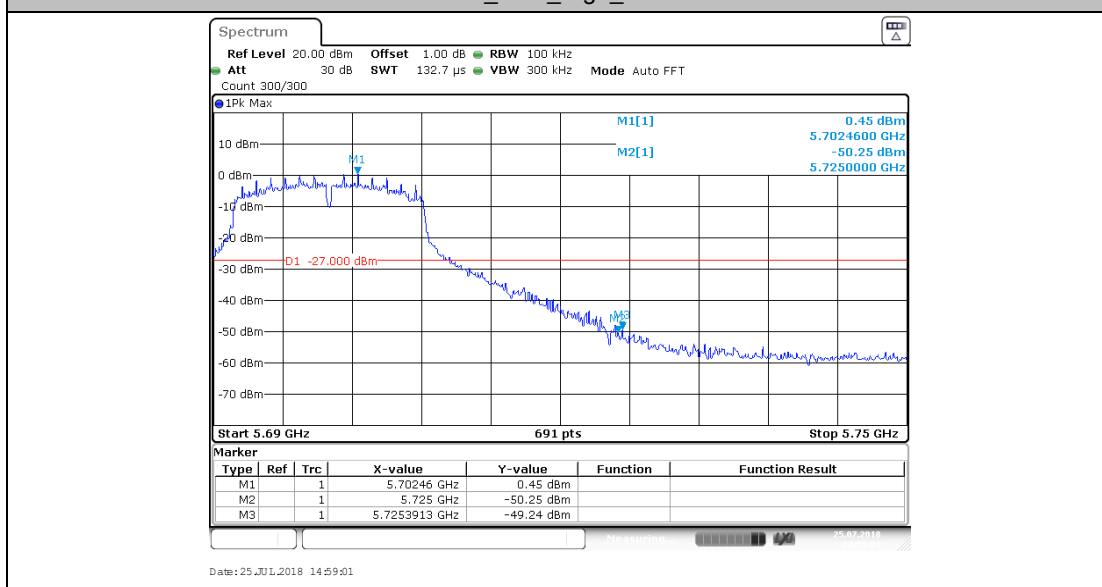
## Test Graphs



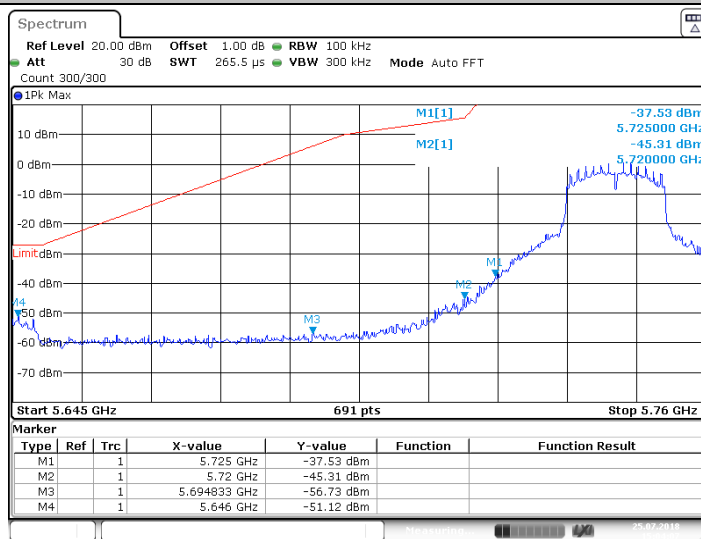




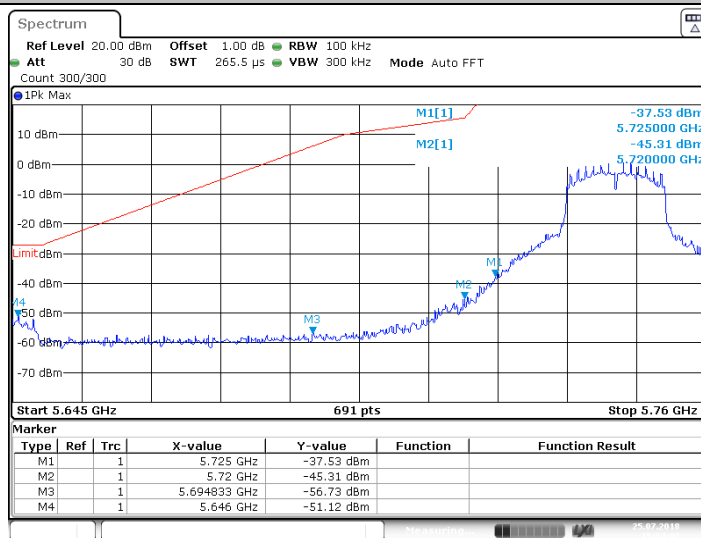
### 11A\_Ant1\_High\_5700



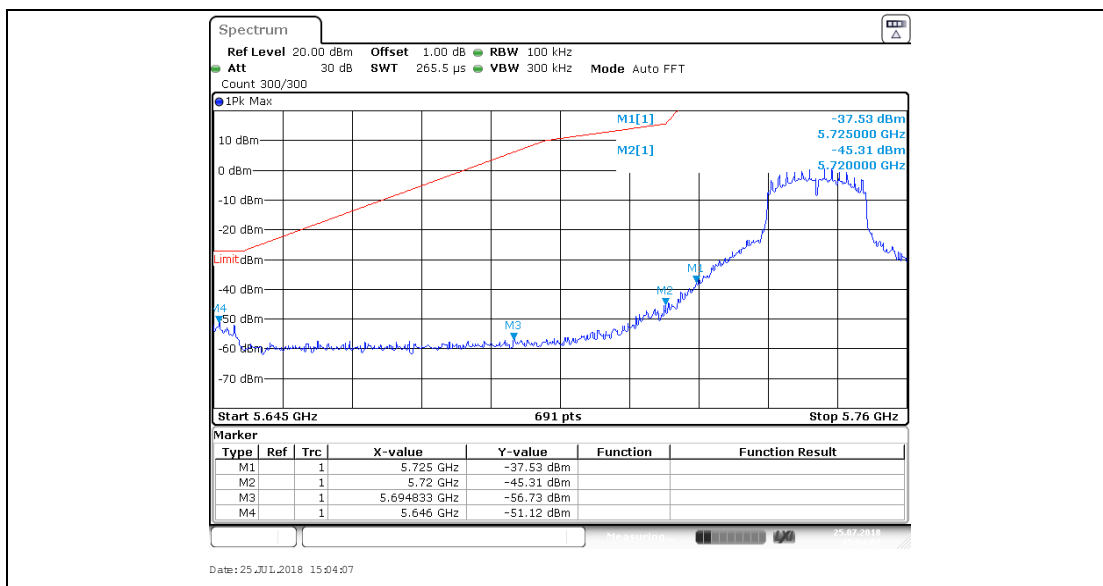
### 11A\_Ant1\_Low\_5745



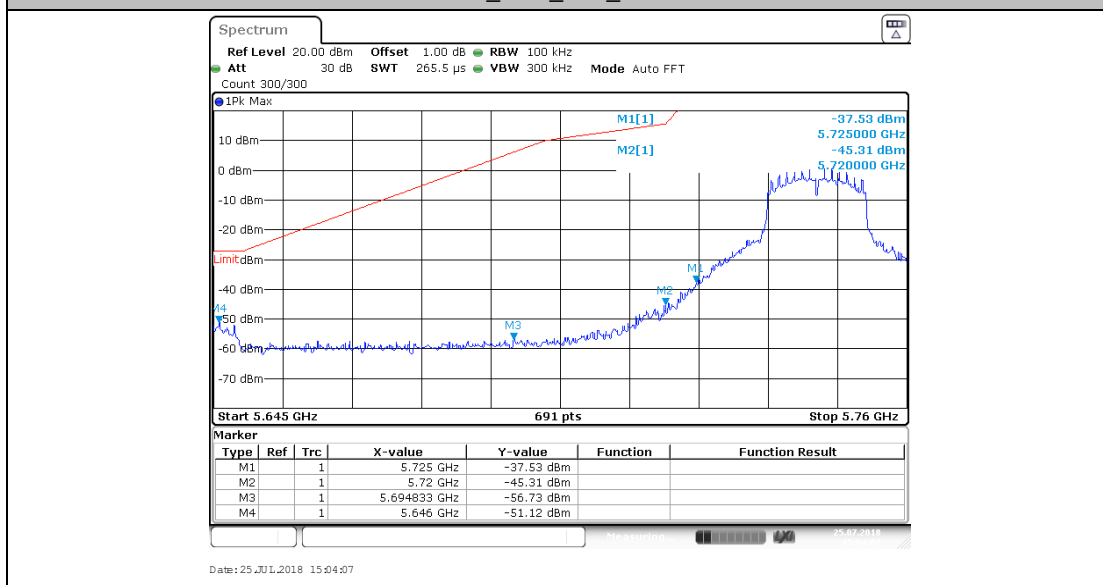
### 11A\_Ant1\_Low\_5745



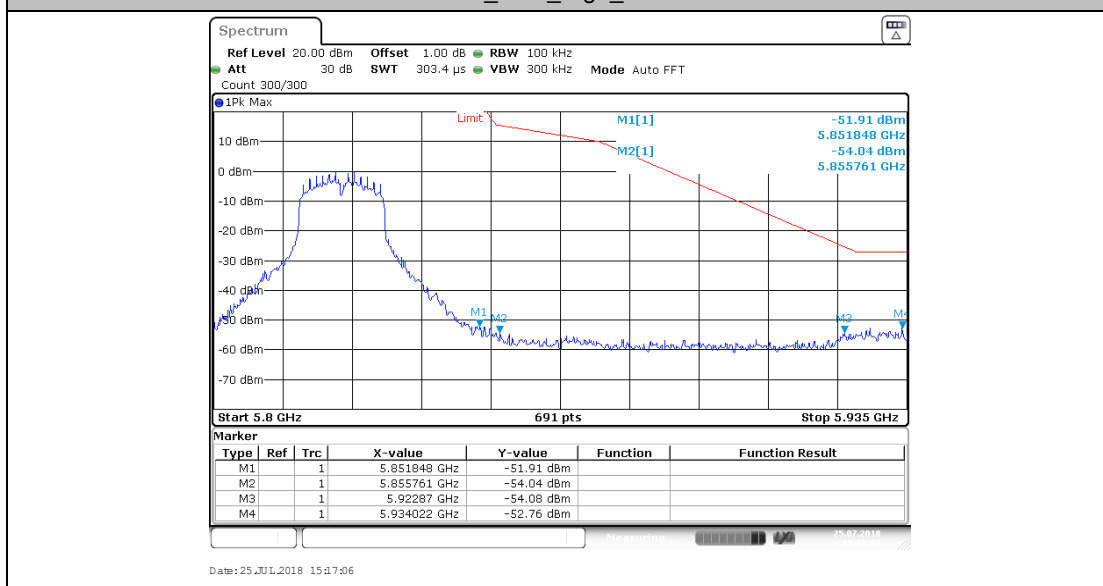
### 11A\_Ant1\_Low\_5745



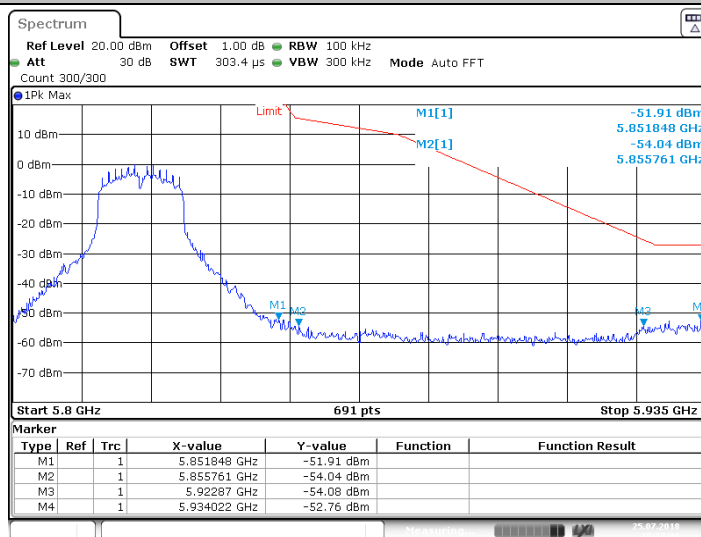
### 11A\_Ant1\_Low\_5745



### 11A\_Ant1\_High\_5825

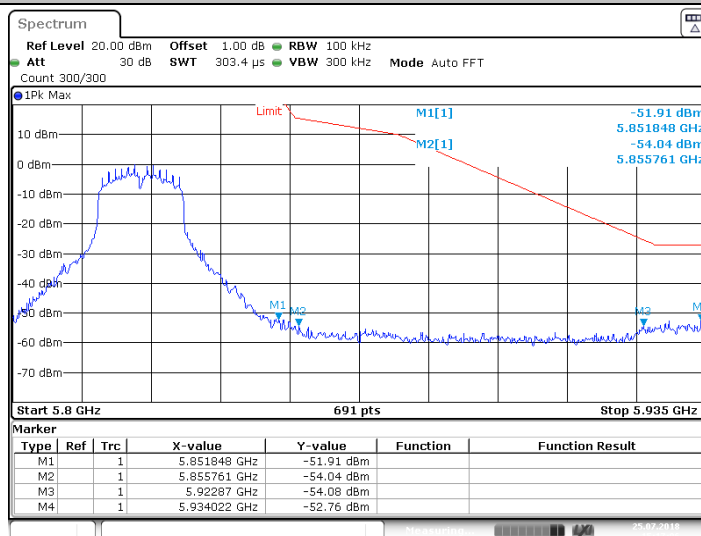


### 11A\_Ant1\_High\_5825



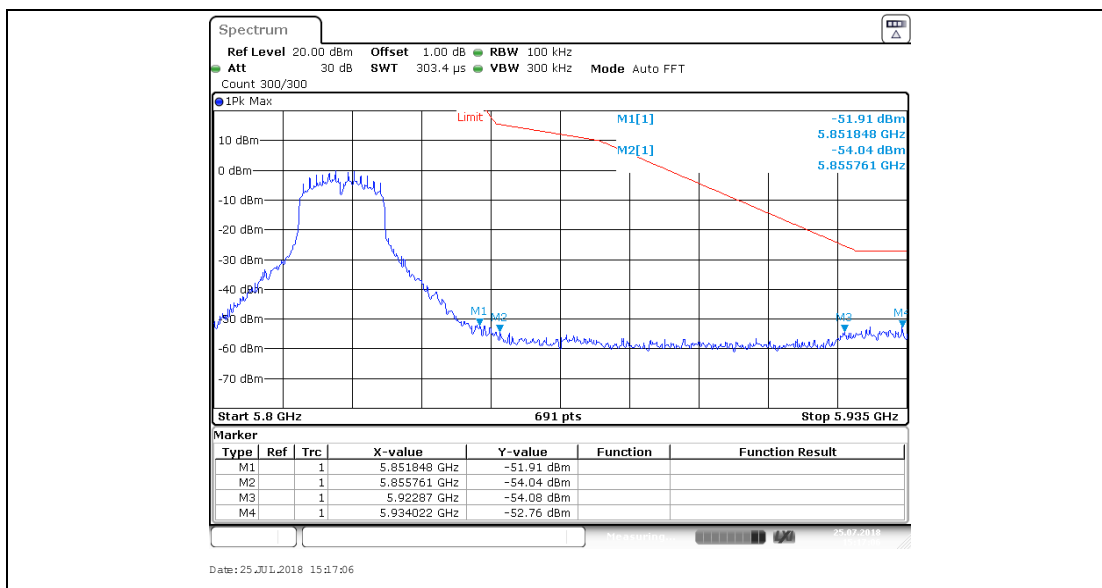
Date: 25 JUL 2018 15:17:06

### 11A\_Ant1\_High\_5825



Date: 25 JUL 2018 15:17:06

### 11A\_Ant1\_High\_5825

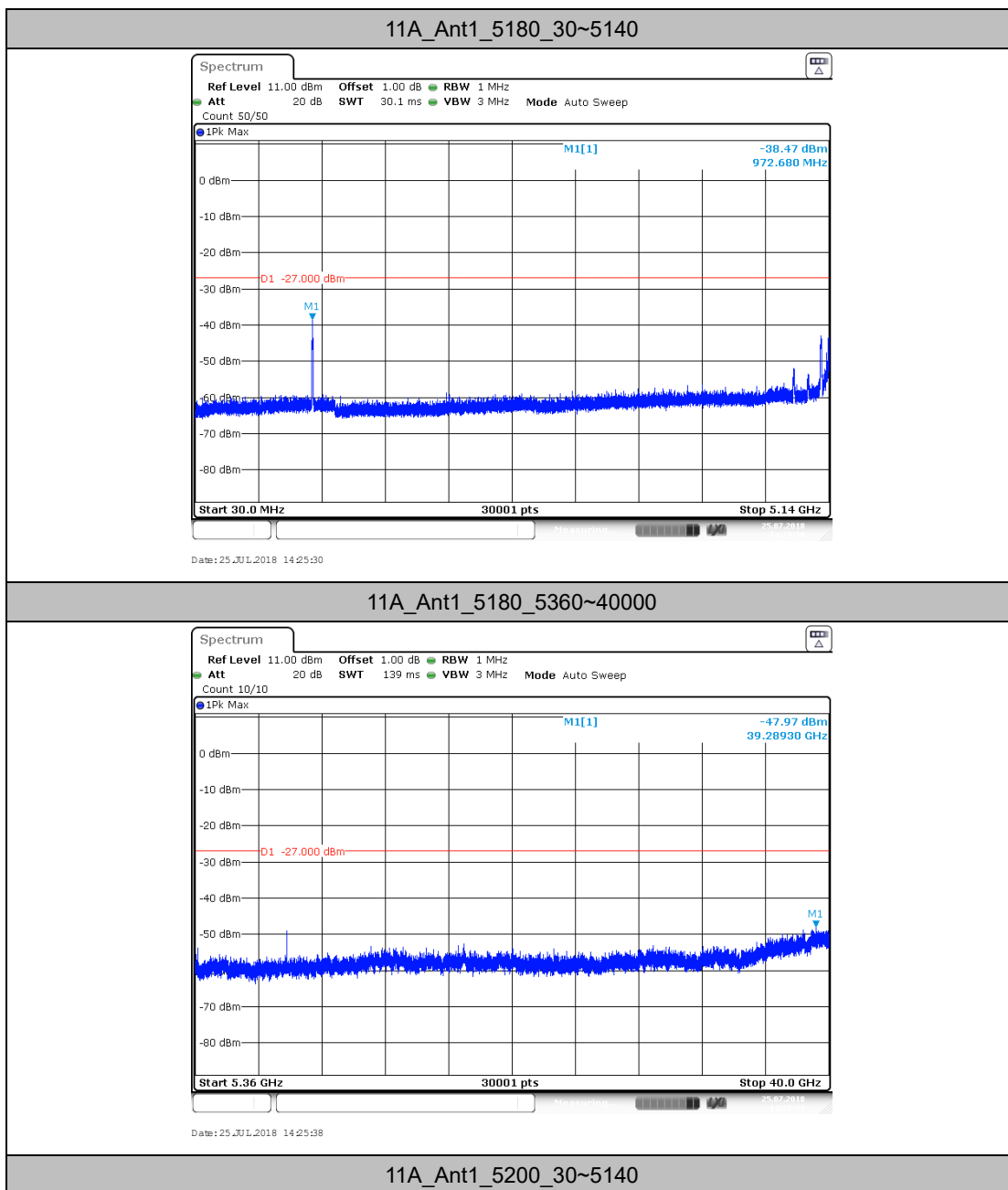


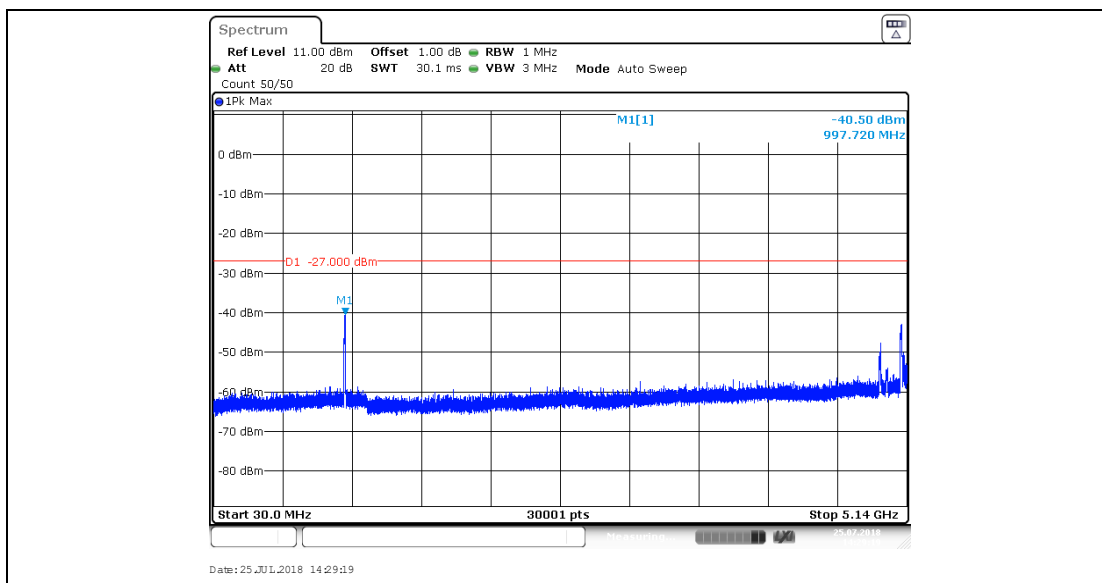
## Appendix1 E: Conducted Spurious Emission

### Test Result

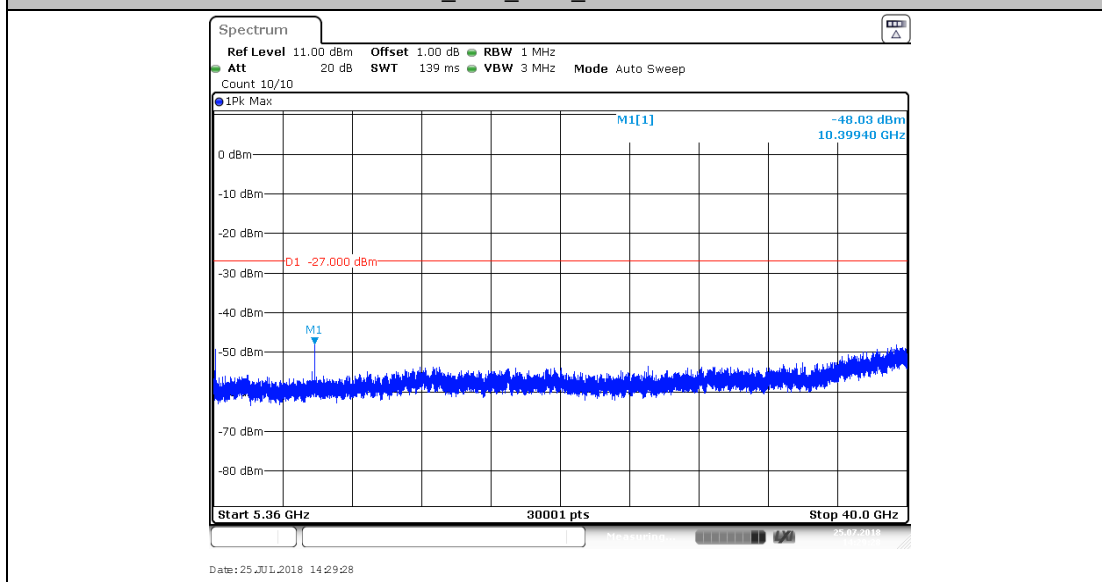
TestMode	Antenna	Channel	FreqRange	Max. Fre	Max. Level	Limit	Verdict
11A	Ant1	5180	30~5140	972.68	-38.47	-27	PASS
		5180	5360~40000	39289.30	-47.97	-27	PASS
		5200	30~5140	997.72	-40.5	-27	PASS
		5200	5360~40000	10399.40	-48.03	-27	PASS
		5240	30~5140	1034.17	-43.04	-27	PASS
		5240	5360~40000	39775.40	-48.11	-27	PASS
		5260	30~5140	1056.65	-42.42	-27	PASS
		5260	5360~40000	5361.70	-42.93	-27	PASS
		5280	30~5140	1074.53	-43.42	-27	PASS
		5280	5360~40000	5384.80	-42.61	-27	PASS
		5320	30~5140	1115.92	-46.61	-27	PASS
		5320	5360~40000	5426.40	-43.04	-27	PASS
		5500	30~5460	5396.38	-43.09	-27	PASS
		5500	5735~40000	39721.90	-48.61	-27	PASS
		5580	30~5460	5232.04	-52.85	-27	PASS
		5580	5735~40000	39343.80	-48.12	-27	PASS
		5700	30~5460	3800.19	-48.36	-27	PASS
		5700	5735~40000	5804.10	-45.71	-27	PASS
		5745	30~5650	5638.10	-42.22	-27	PASS
		5745	5925~40000	39628.00	-48.25	-27	PASS
5785	30~5650	3856.81	-50.15	-27	PASS		
5785	5925~40000	39875.60	-47.72	-27	PASS		
5825	30~5650	4854.52	-47.28	-27	PASS		
5825	5925~40000	39328.20	-47.63	-27	PASS		

## Test Graphs

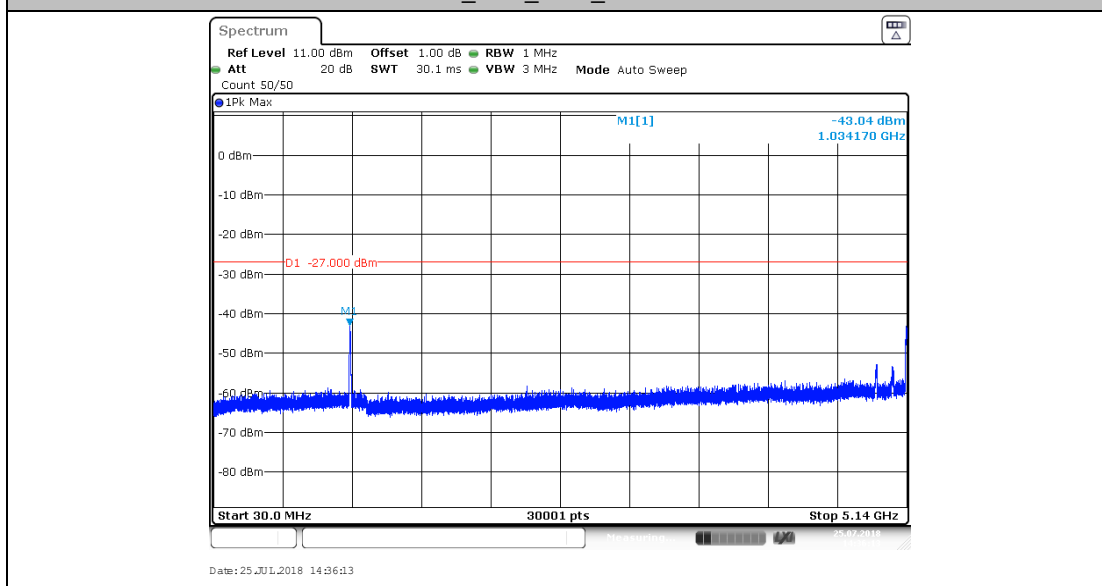




11A\_Ant1\_5200\_5360~40000

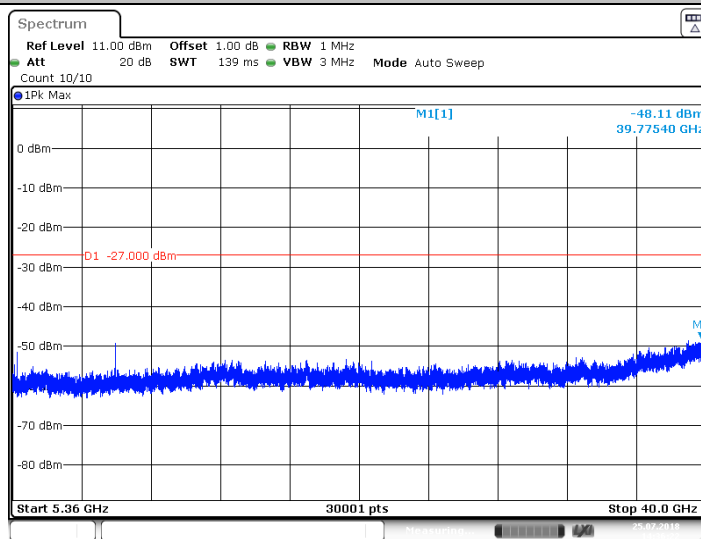


11A\_Ant1\_5240\_30~5140

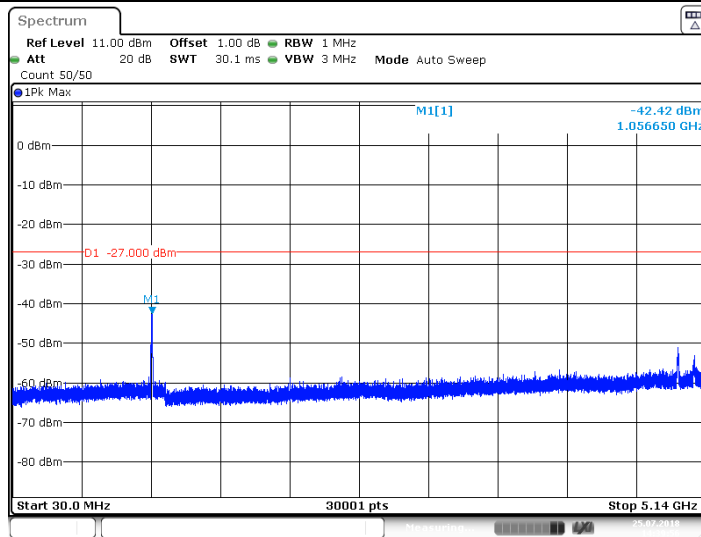




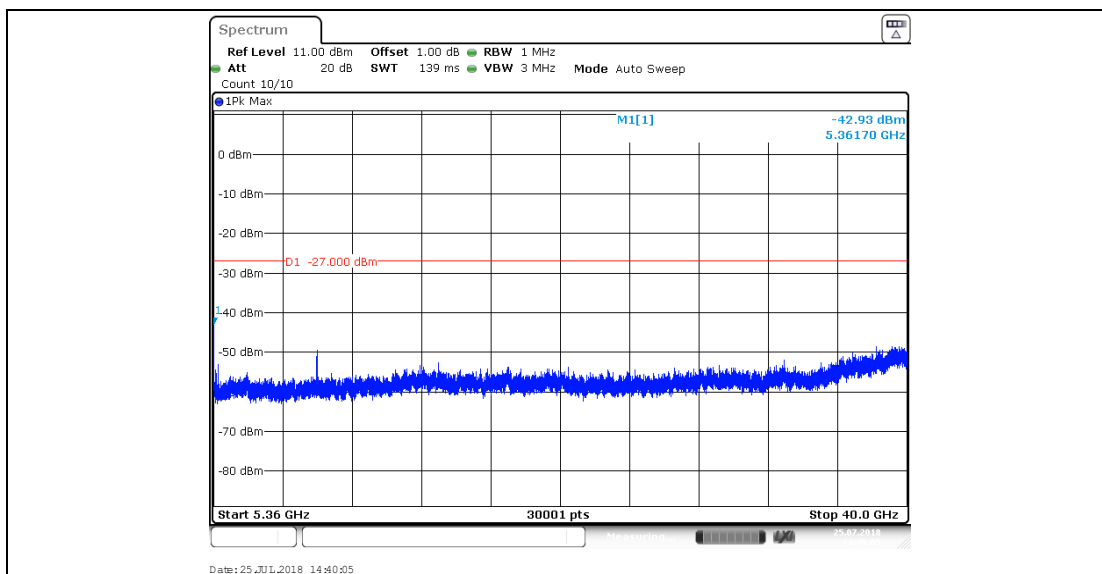
11A\_Ant1\_5240\_5360~40000



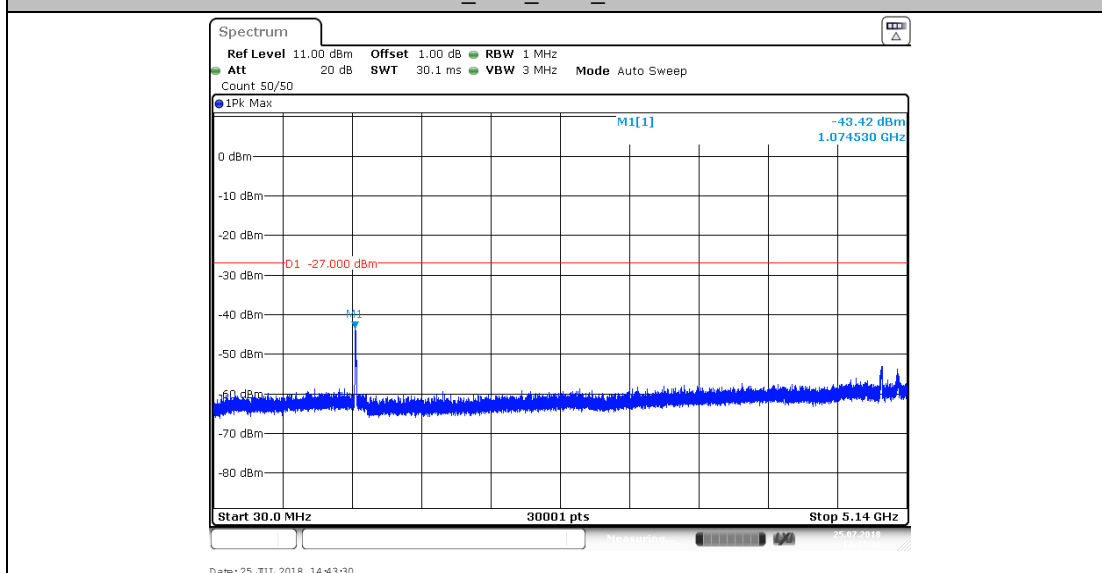
11A\_Ant1\_5260\_30~5140



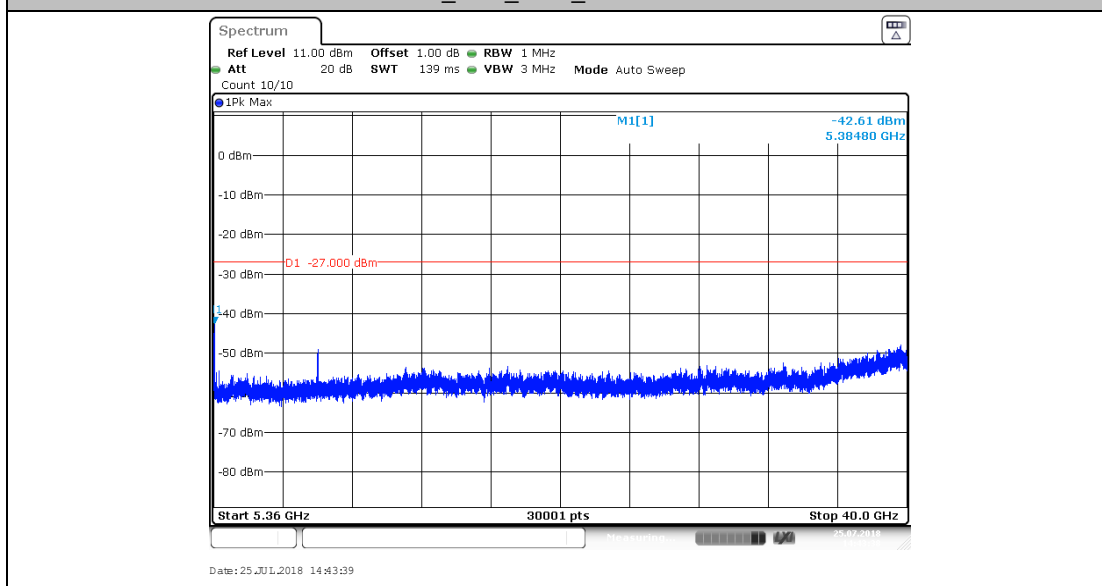
11A\_Ant1\_5260\_5360~40000



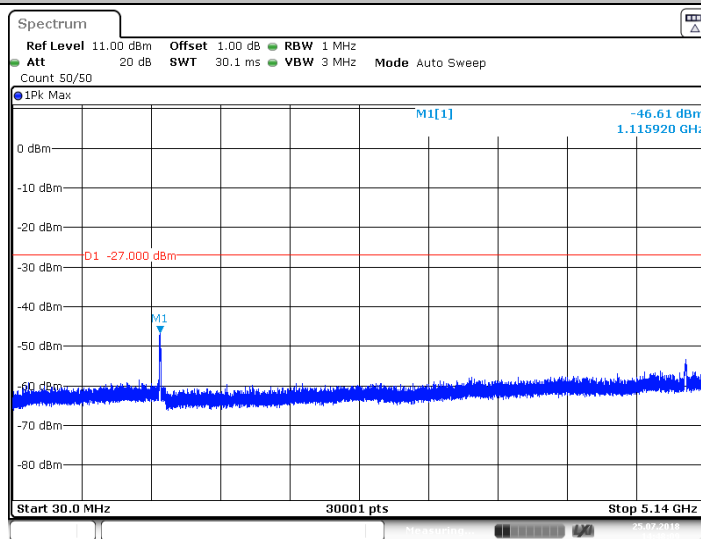
11A\_Ant1\_5280\_30~5140



11A\_Ant1\_5280\_5360~40000

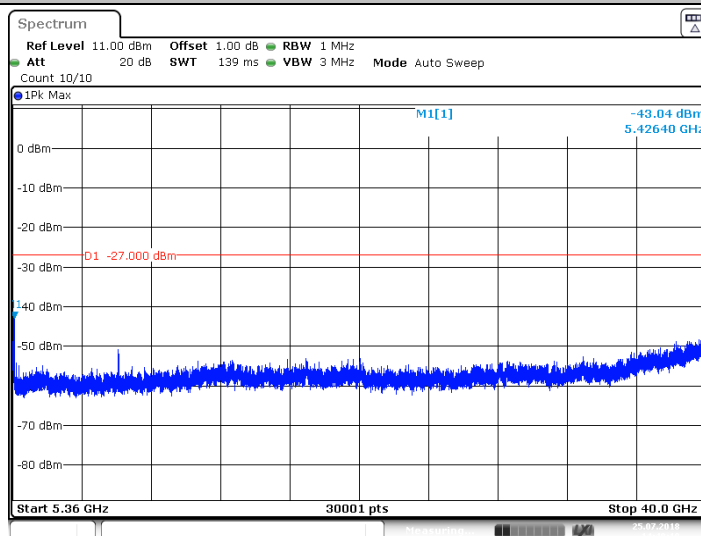


### 11A\_Ant1\_5320\_30~5140



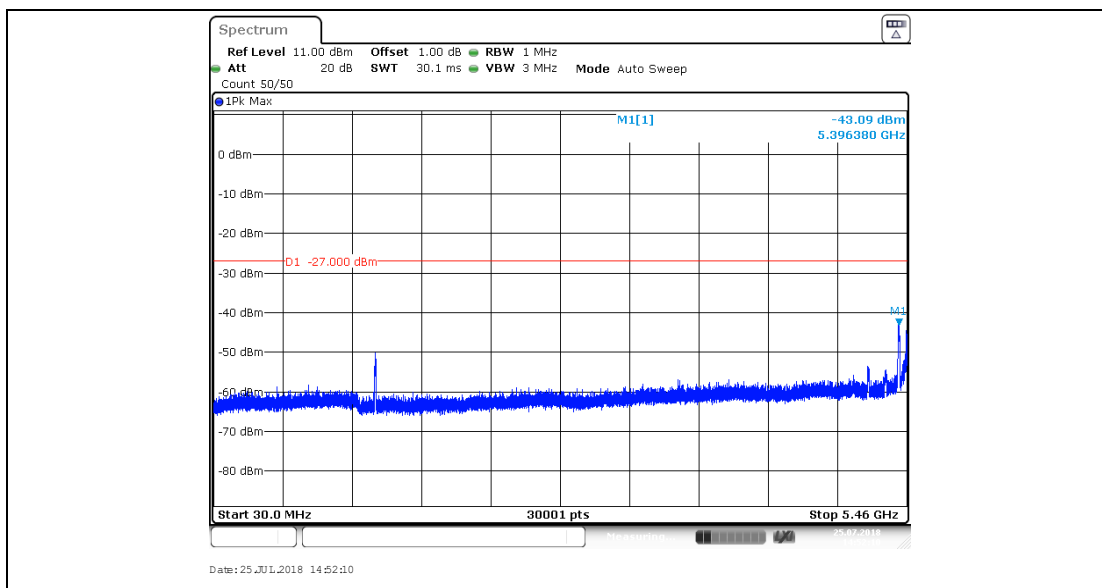
Date: 25 JUL 2018 14:48:09

### 11A\_Ant1\_5320\_5360~40000

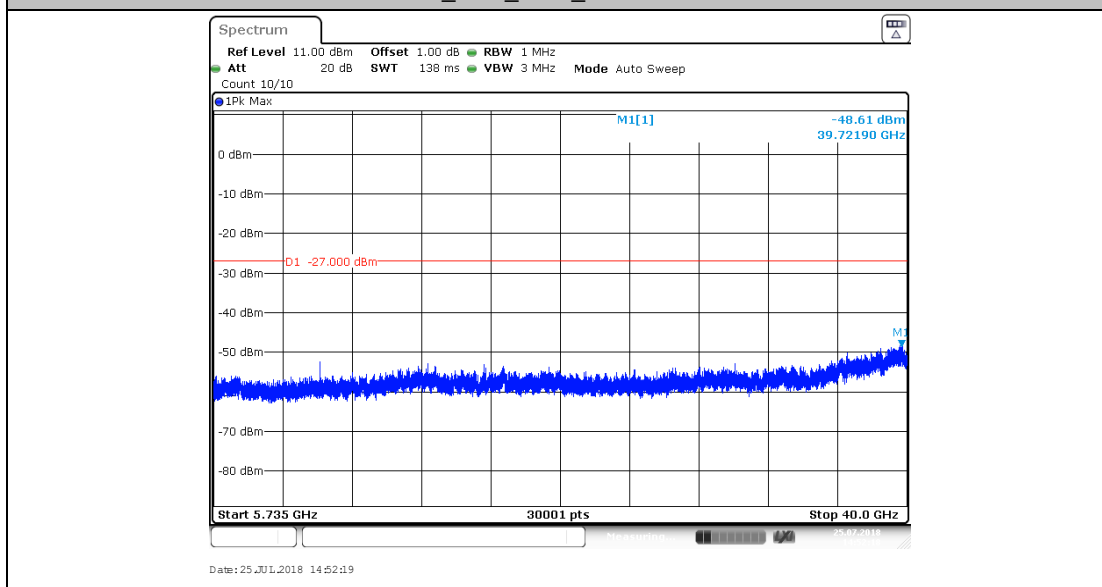


Date: 25 JUL 2018 14:48:18

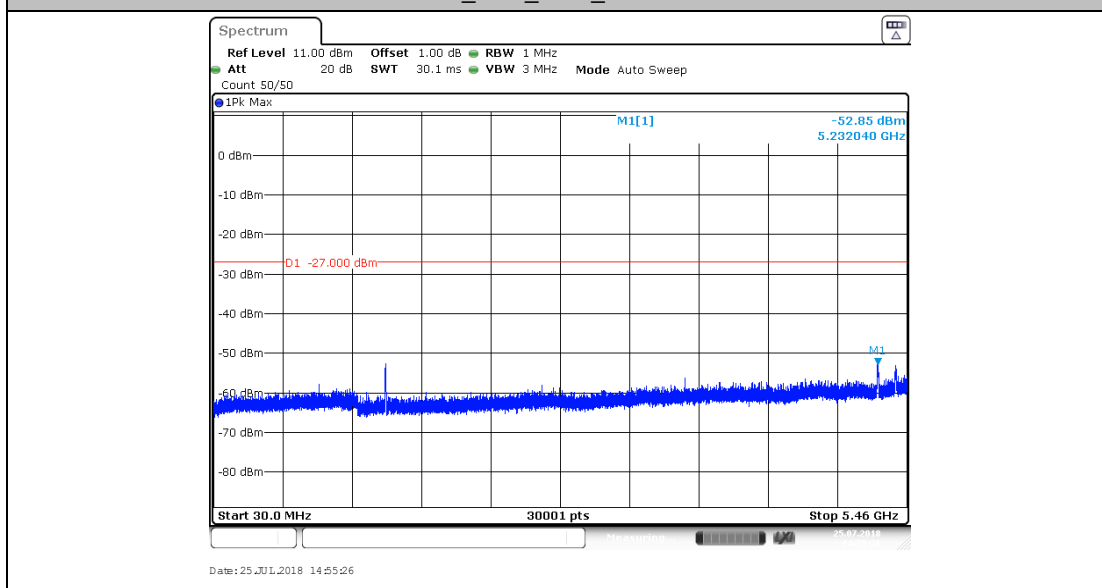
### 11A\_Ant1\_5500\_30~5460



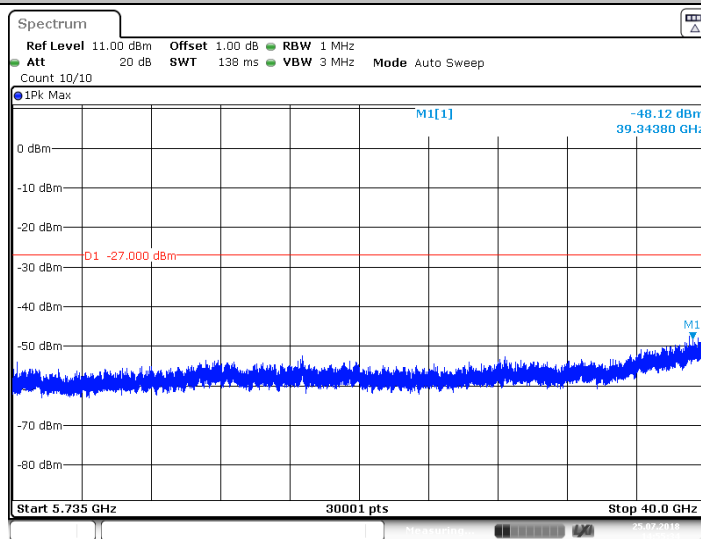
11A\_Ant1\_5500\_5735~40000



11A\_Ant1\_5580\_30~5460

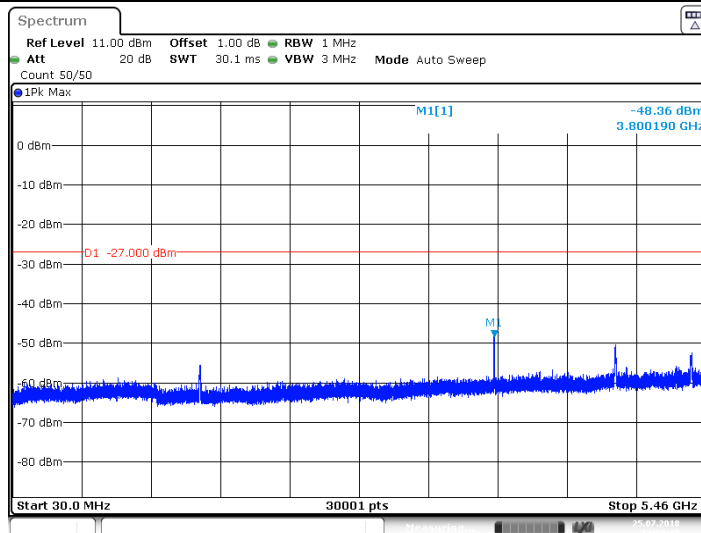


11A\_Ant1\_5580\_5735~40000



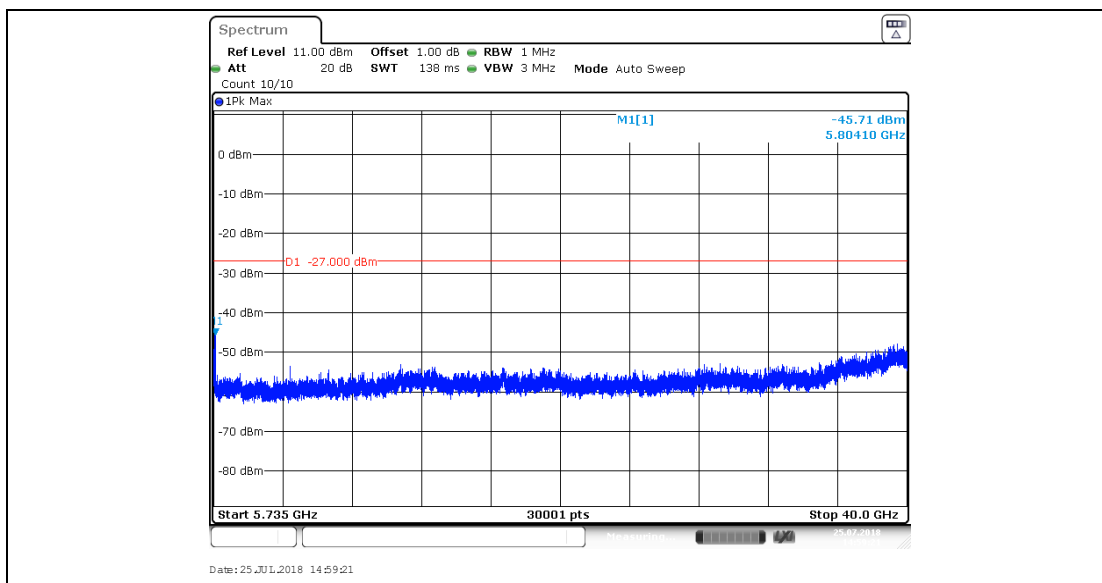
Date: 25 JUL 2018 14:55:34

11A\_Ant1\_5700\_30~5460

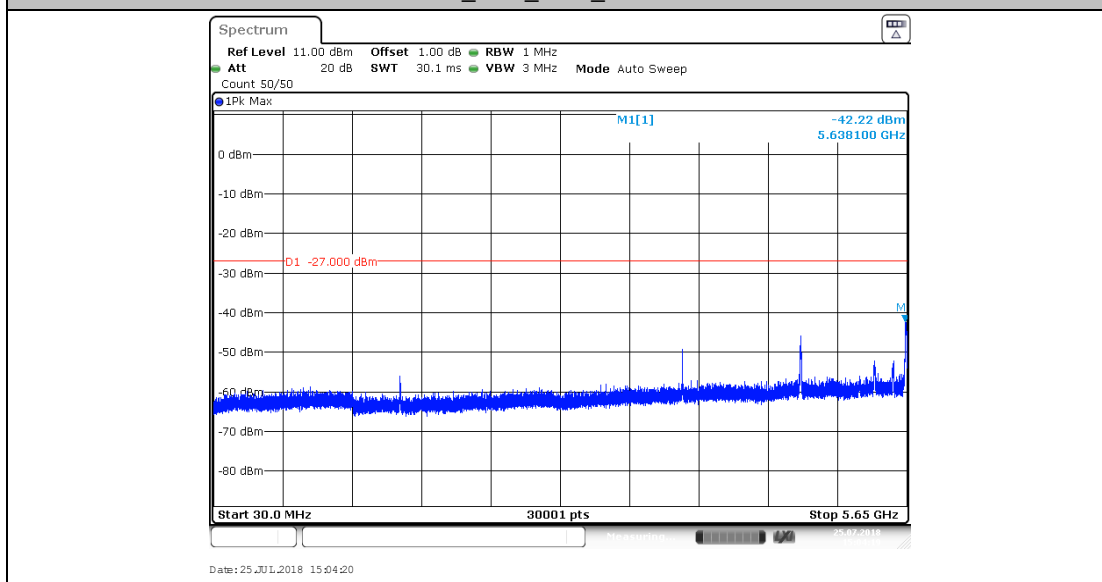


Date: 25 JUL 2018 14:59:12

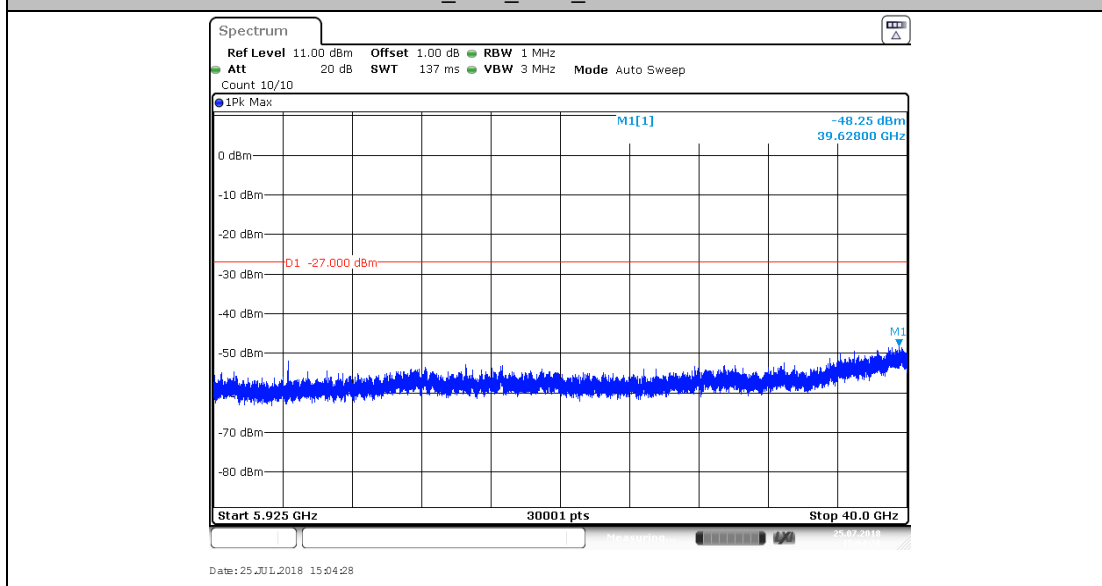
11A\_Ant1\_5700\_5735~40000



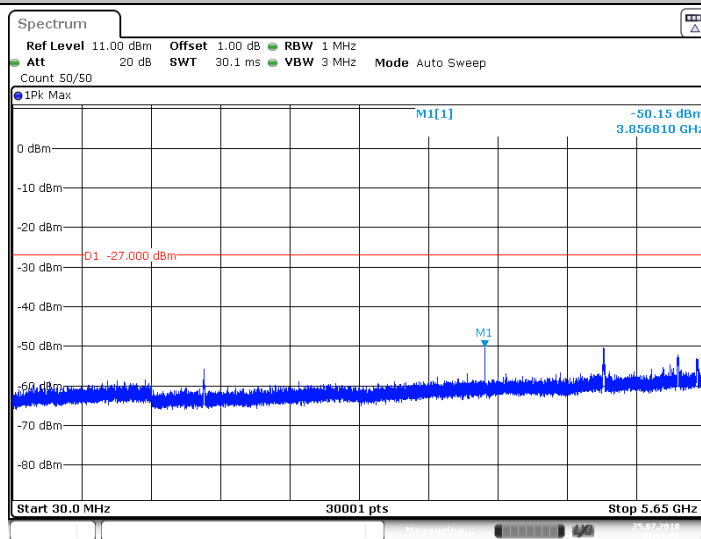
11A\_Ant1\_5745\_30~5650



11A\_Ant1\_5745\_5925~40000

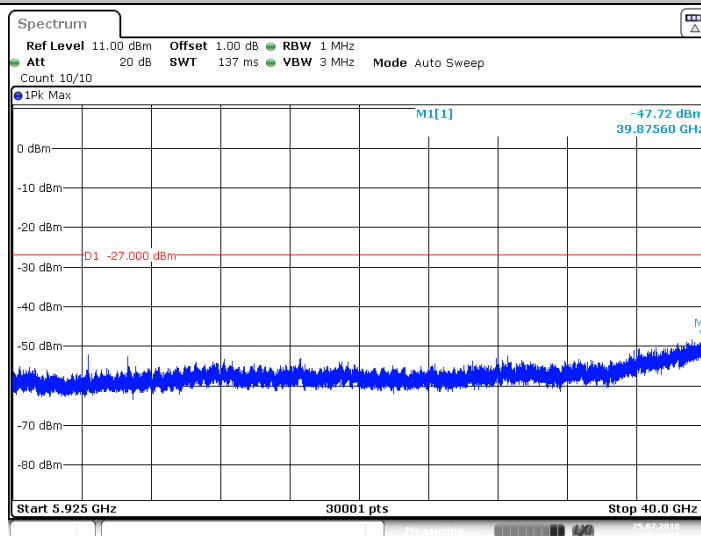


### 11A\_Ant1\_5785\_30~5650



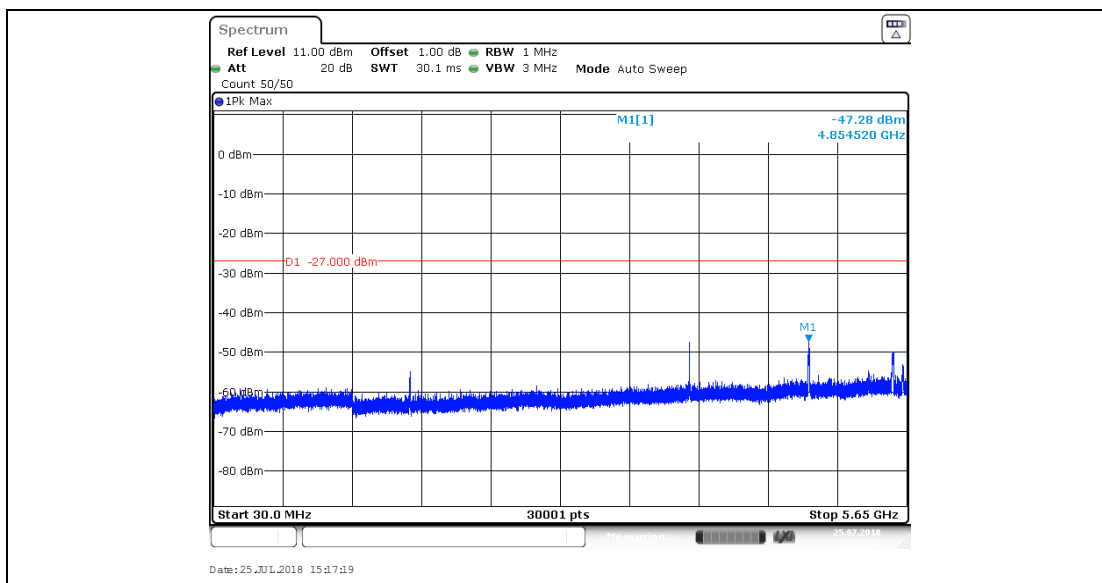
Date: 25 JUL 2018 15:13:27

### 11A\_Ant1\_5785\_5925~40000

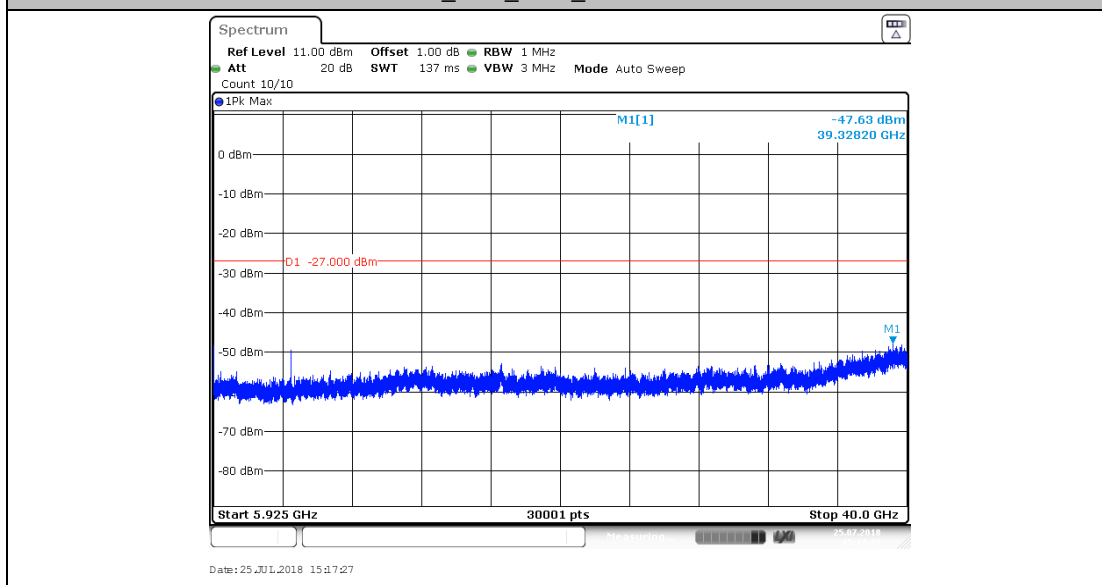


Date: 25 JUL 2018 15:13:36

### 11A\_Ant1\_5825\_30~5650



11A\_Ant1\_5825\_5925~40000





## Appendix1 F: Frequency Stability

### Test Result

TestMod e	Antenn a	Channe l	Voltage					Limit (ppm)	Verdict
			Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)			
11A	Ant1	5180	NV	NT	-15000	-2.895753	20	PASS	
		5180	LV	NT	0	0	20	PASS	
		5180	HV	NT	15000	2.895753	20	PASS	
		5200	NV	NT	0	0	20	PASS	
		5200	LV	NT	0	0	20	PASS	
		5200	HV	NT	0	0	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	15000	2.851711	20	PASS	
		5260	LV	NT	-15000	-2.851711	20	PASS	
		5260	HV	NT	-45000	-8.555133	20	PASS	
		5280	NV	NT	0	0	20	PASS	
		5280	LV	NT	-15000	-2.840909	20	PASS	
		5280	HV	NT	0	0	20	PASS	
		5320	NV	NT	15000	2.819549	20	PASS	
		5320	LV	NT	0	0	20	PASS	
		5320	HV	NT	0	0	20	PASS	
		5500	NV	NT	-15000	-2.727273	20	PASS	
		5500	LV	NT	-15000	-2.727273	20	PASS	
		5500	HV	NT	15000	2.727273	20	PASS	
		5580	NV	NT	15000	2.688172	20	PASS	
		5580	LV	NT	0	0	20	PASS	
		5580	HV	NT	15000	2.688172	20	PASS	
		5700	NV	NT	0	0	20	PASS	
		5700	LV	NT	0	0	20	PASS	
		5700	HV	NT	0	0	20	PASS	
		5745	NV	NT	15000	2.610966	20	PASS	
		5745	LV	NT	-15000	-2.610966	20	PASS	
		5745	HV	NT	0	0	20	PASS	
5785	NV	NT	30000	5.185825	20	PASS			
5785	LV	NT	0	0	20	PASS			
5785	HV	NT	30000	5.185825	20	PASS			
5825	NV	NT	-15000	-2.575107	20	PASS			
5825	LV	NT	-30000	-5.150215	20	PASS			
5825	HV	NT	-15000	-2.575107	20	PASS			

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-5	0	0	20	PASS
		5180	NV	50	0	0	20	PASS
		5200	NV	-5	-15000	-2.884615	20	PASS
		5200	NV	50	-15000	-2.884615	20	PASS
		5240	NV	-5	15000	2.862595	20	PASS
		5240	NV	50	-30000	-5.725191	20	PASS
		5260	NV	-5	15000	2.851711	20	PASS
		5260	NV	50	0	0	20	PASS
		5280	NV	-5	0	0	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	-15000	-2.688172	20	PASS
		5580	NV	50	-15000	-2.688172	20	PASS
		5700	NV	-5	-30000	-5.263158	20	PASS
		5700	NV	50	0	0	20	PASS
		5745	NV	-5	0	0	20	PASS
		5745	NV	50	15000	2.610966	20	PASS
		5785	NV	-5	0	0	20	PASS
		5785	NV	50	15000	2.592913	20	PASS
		5825	NV	-5	-15000	-2.575107	20	PASS
		5825	NV	50	-15000	-2.575107	20	PASS