

Appendix A: 20dB Emission Bandwidth

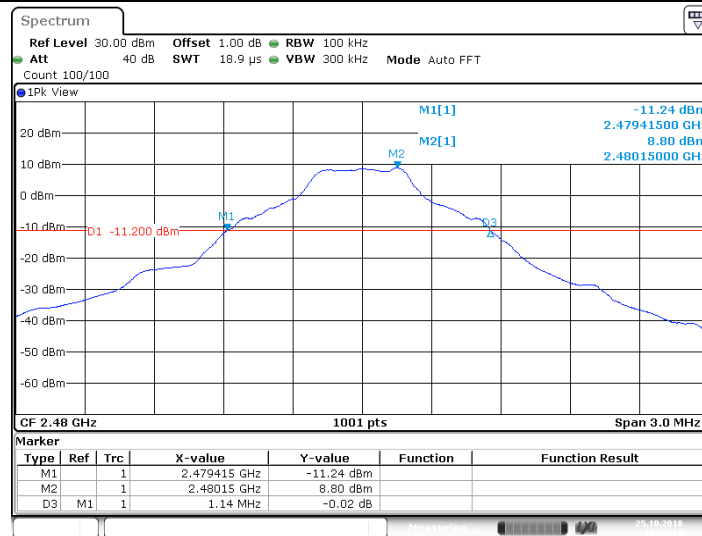
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant3	2402	1.140	2401.400	2402.540	---	PASS
		2441	1.143	2440.406	2441.549	---	PASS
		2480	1.140	2479.415	2480.555	---	PASS
2DH5	Ant3	2402	1.425	2401.262	2402.687	---	PASS
		2441	1.422	2440.268	2441.690	---	PASS
		2480	1.428	2479.274	2480.702	---	PASS
3DH5	Ant3	2402	1.413	2401.271	2402.684	---	PASS
		2441	1.419	2440.274	2441.693	---	PASS
		2480	1.419	2479.283	2480.702	---	PASS

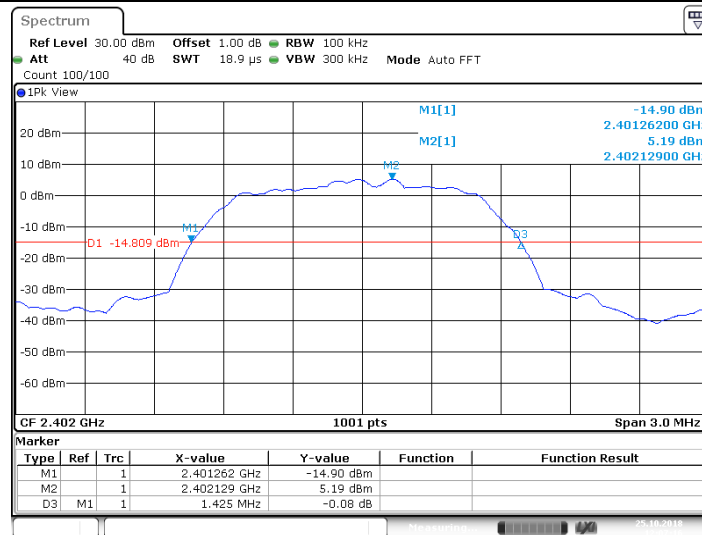
Test Graphs



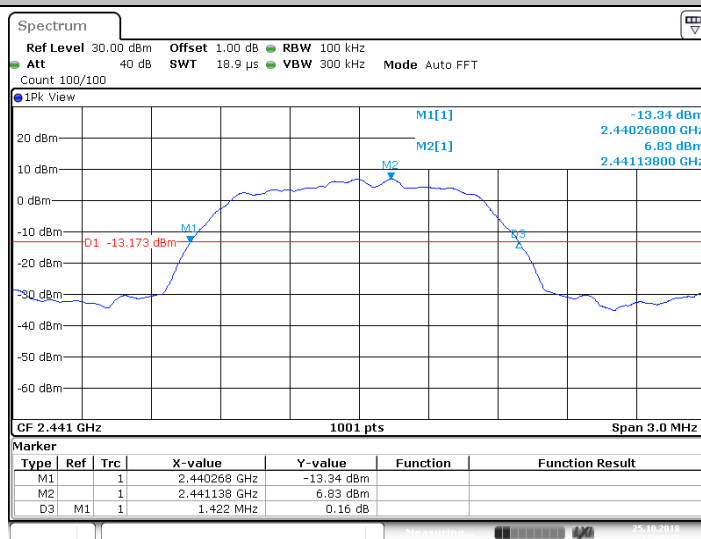
DH5_Ant3_2480



2DH5_Ant3_2402

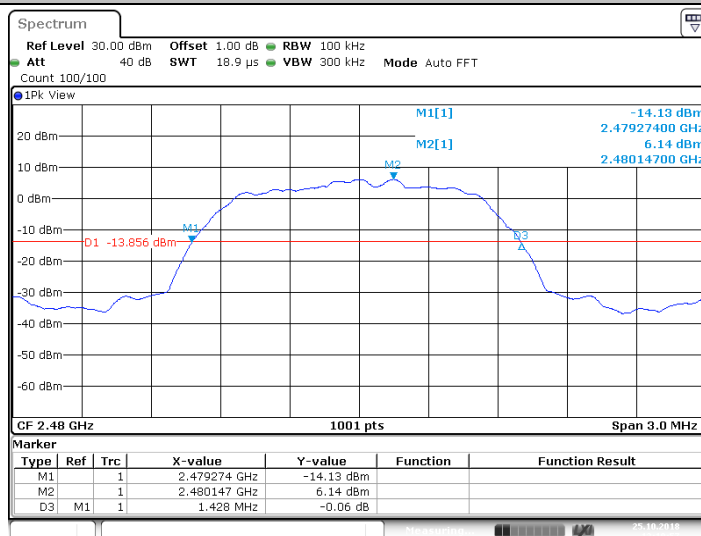


2DH5_Ant3_2441



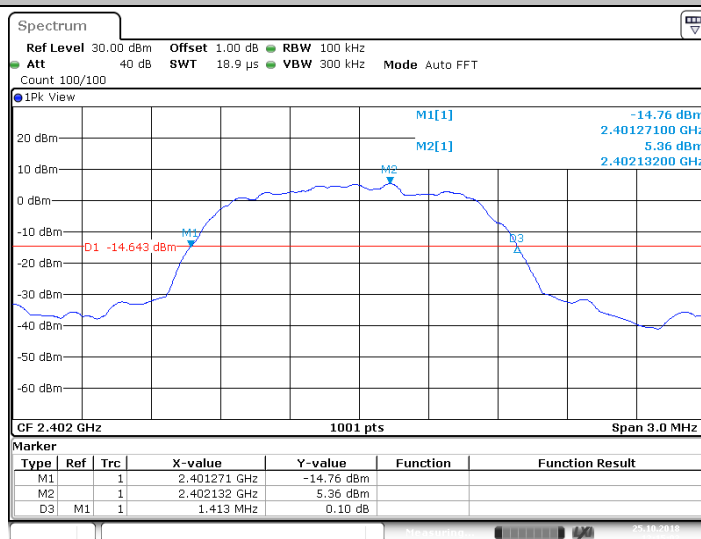
Date: 25.10.2018 12:09:15

2DH5_Ant3_2480



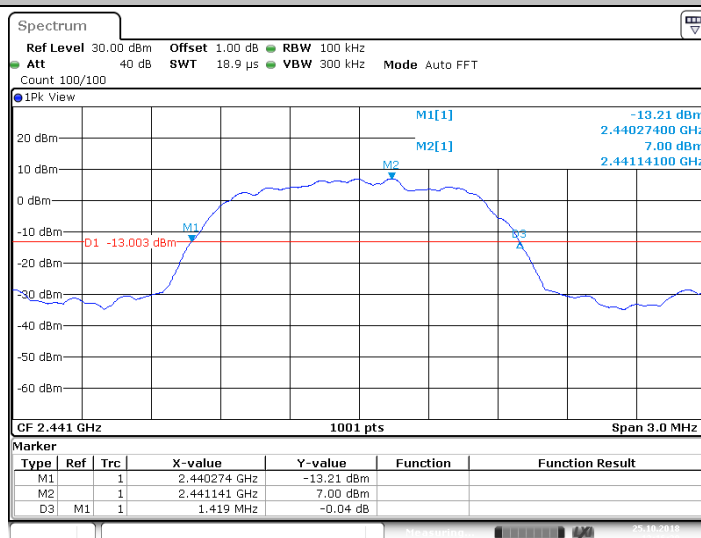
Date: 25.10.2018 12:10:58

3DH5_Ant3_2402



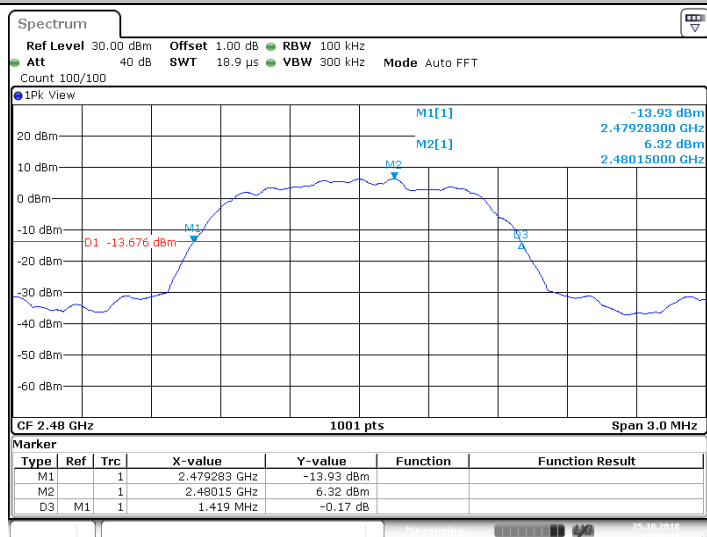
Date: 25.10.2018 12:15:03

3DH5_Ant3_2441



Date: 25.10.2018 12:16:40

3DH5_Ant3_2480



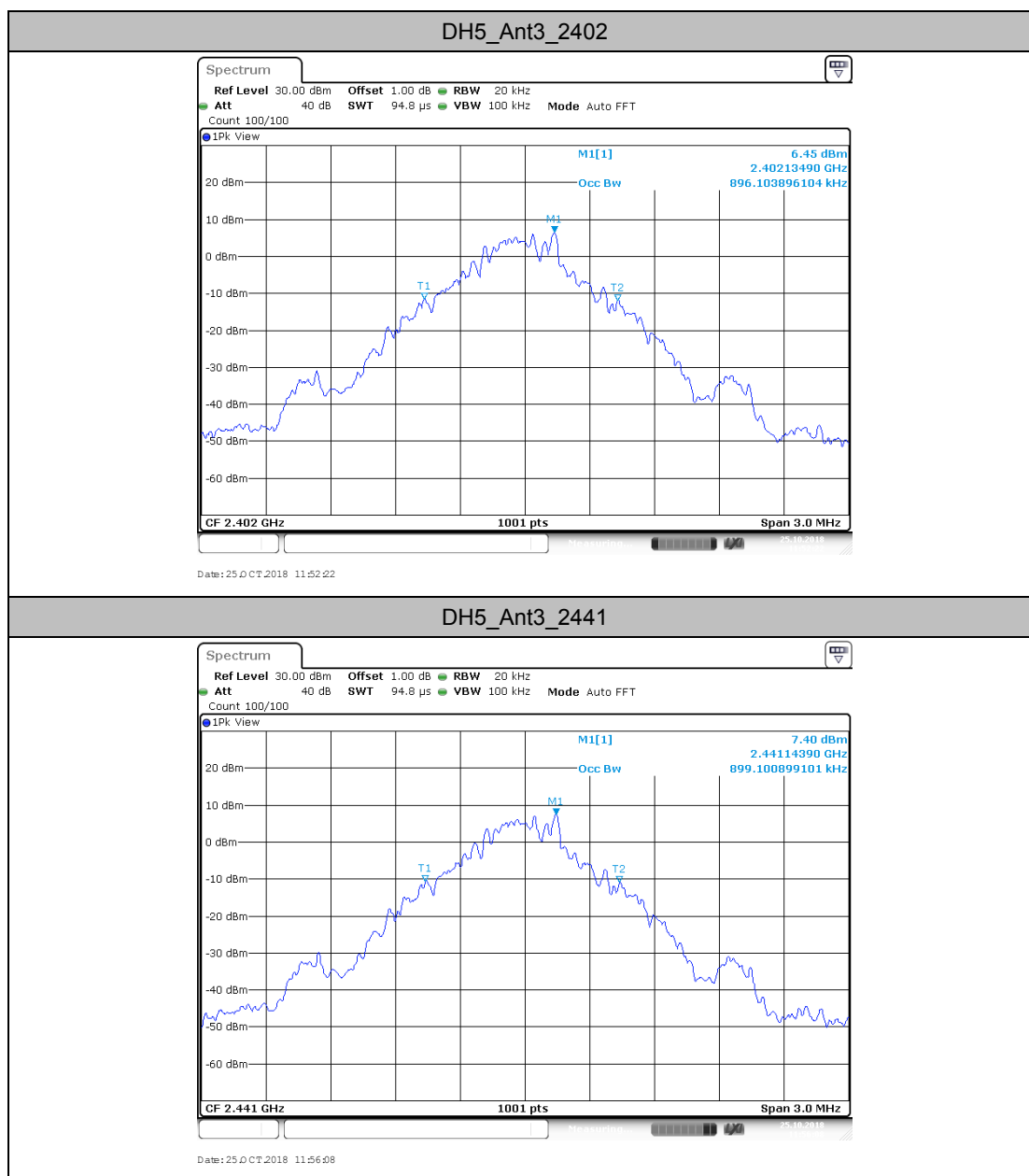
Date: 25.10.2018 12:18:12

Appendix B: Occupied Channel Bandwidth

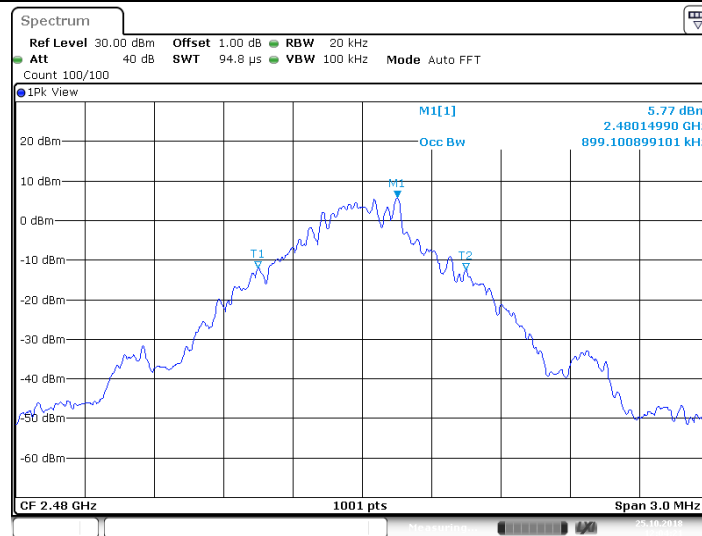
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant3	2402	0.896	2401.532	2402.429	---	PASS
		2441	0.899	2440.538	2441.438	---	PASS
		2480	0.899	2479.547	2480.447	---	PASS
2DH5	Ant3	2402	1.202	2401.377	2402.578	---	PASS
		2441	1.208	2440.380	2441.587	---	PASS
		2480	1.205	2479.389	2480.593	---	PASS
3DH5	Ant3	2402	1.205	2401.368	2402.572	---	PASS
		2441	1.208	2440.374	2441.581	---	PASS
		2480	1.208	2479.380	2480.587	---	PASS

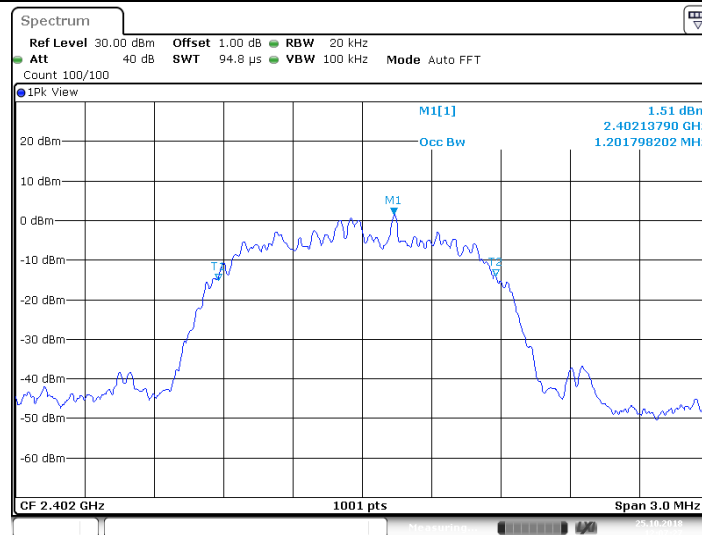
Test Graphs



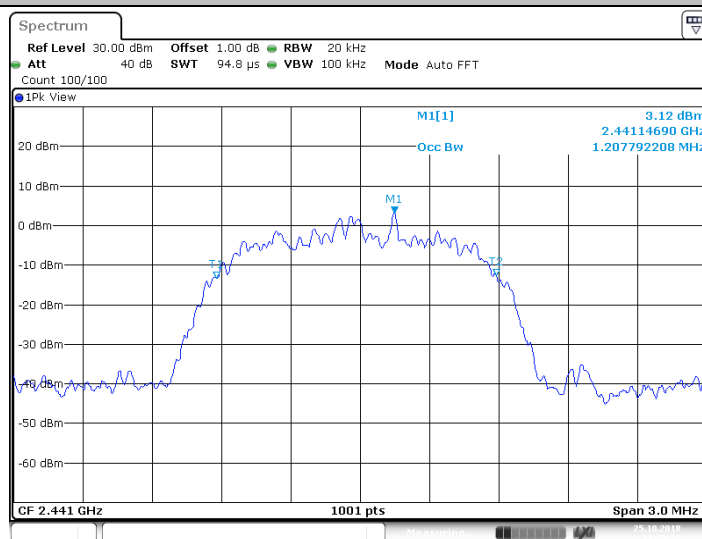
DH5_Ant3_2480



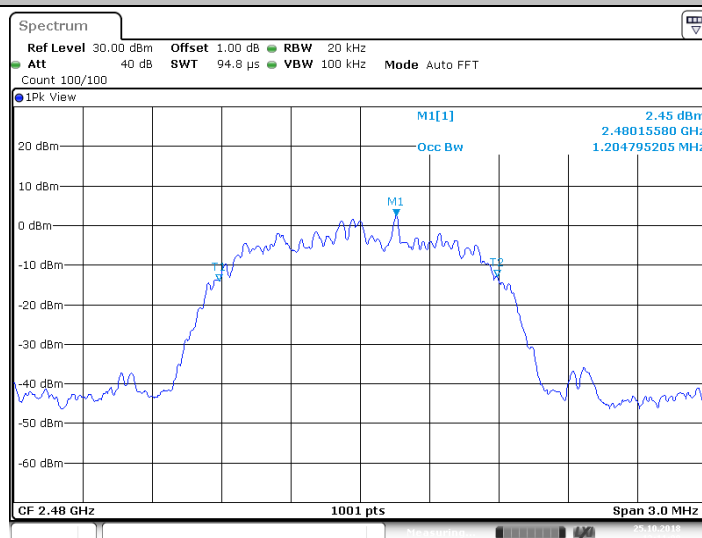
2DH5_Ant3_2402



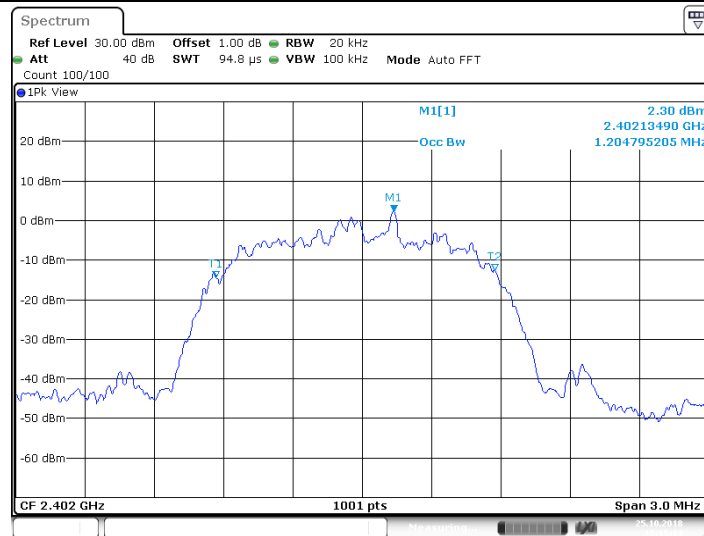
2DH5_Ant3_2441



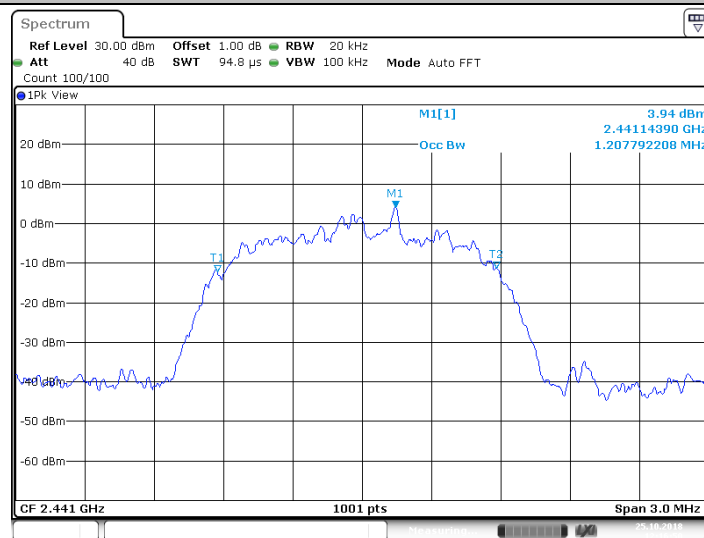
2DH5_Ant3_2480



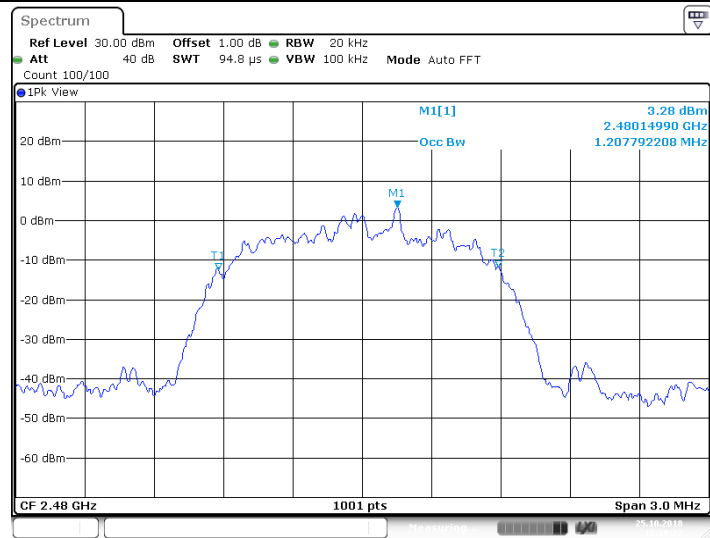
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480



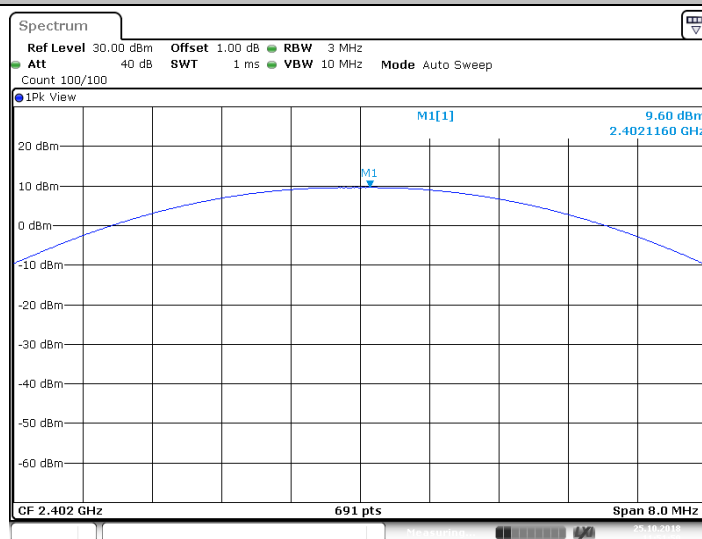
Appendix C: Maximum conducted output power

Test Result

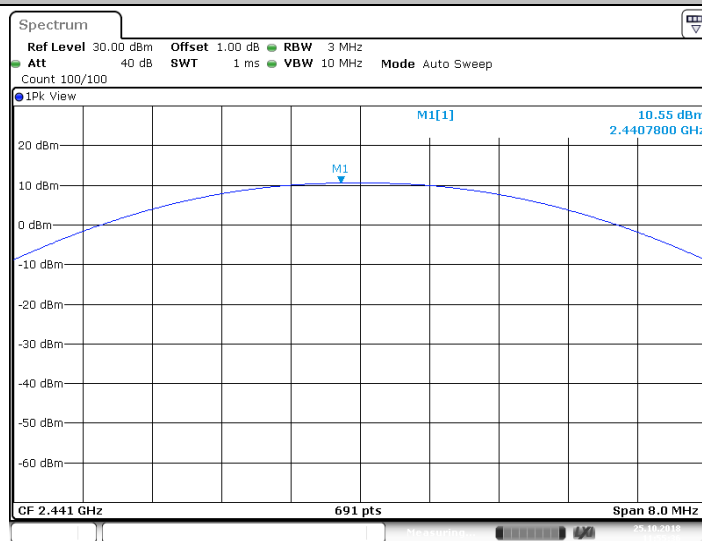
TestMode	Antenna	Channel	Result	Limit	Verdict
DH5	Ant3	2402	9.60	30	PASS
		2441	10.55	30	PASS
		2480	8.86	30	PASS
2DH5	Ant3	2402	7.81	30	PASS
		2441	9.16	30	PASS
		2480	8.63	30	PASS
3DH5	Ant3	2402	8.32	30	PASS
		2441	9.60	30	PASS
		2480	9.08	30	PASS

Test Graphs

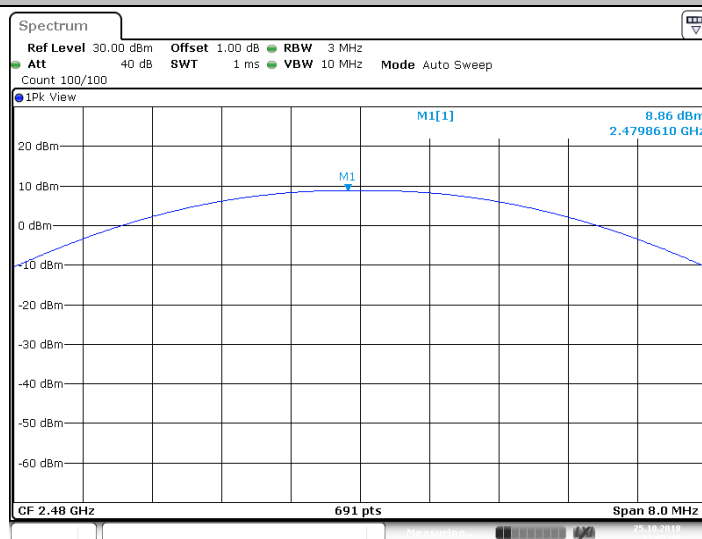
DH5_Ant3_2402



DH5_Ant3_2441

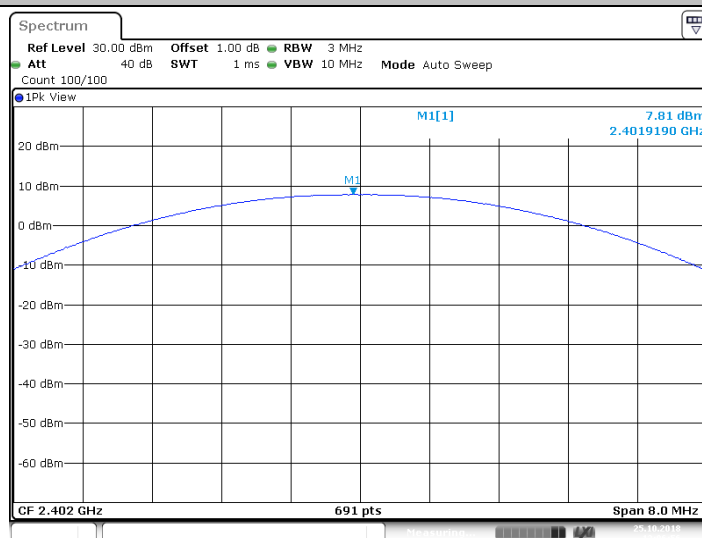


DH5_Ant3_2480



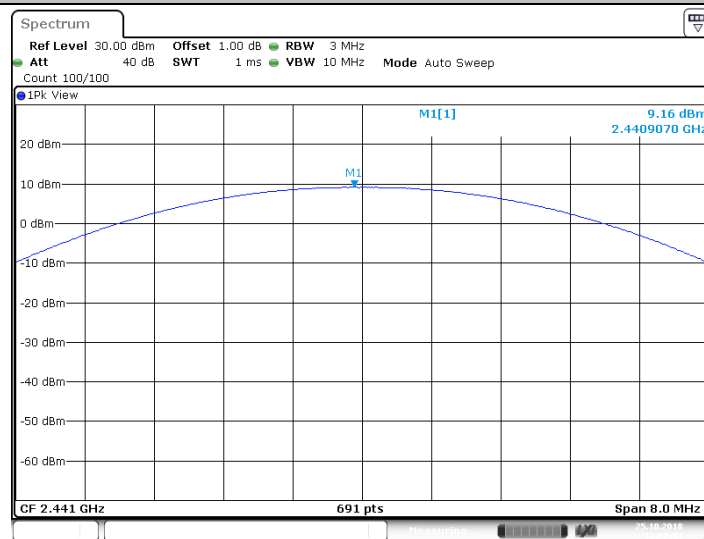
Date: 25.10.2018 12:03:49

2DH5_Ant3_2402

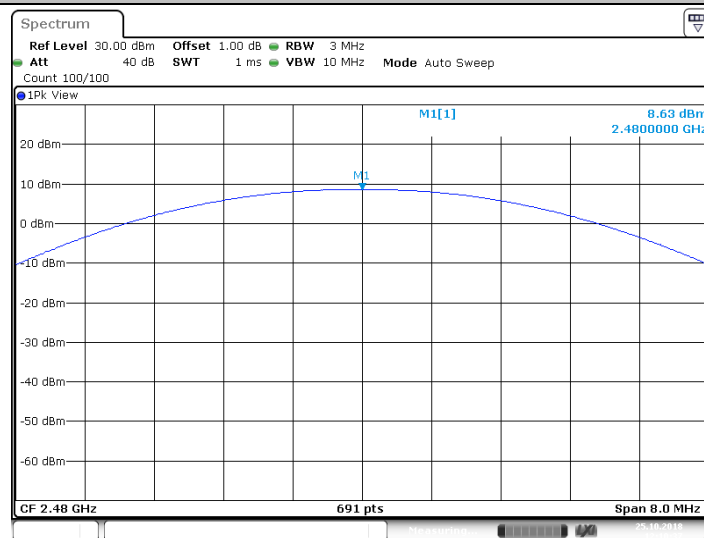


Date: 25.10.2018 12:06:56

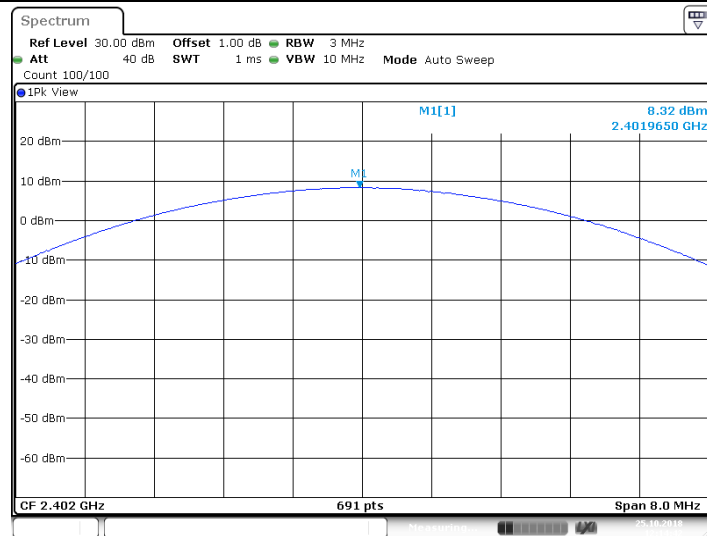
2DH5_Ant3_2441



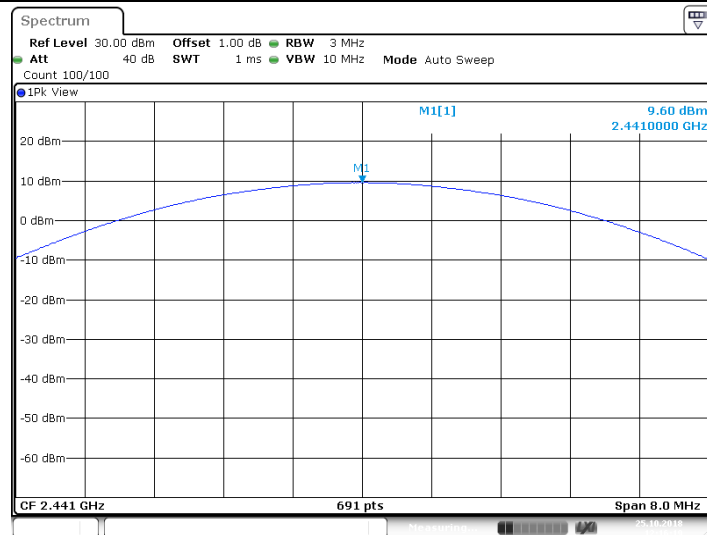
2DH5_Ant3_2480



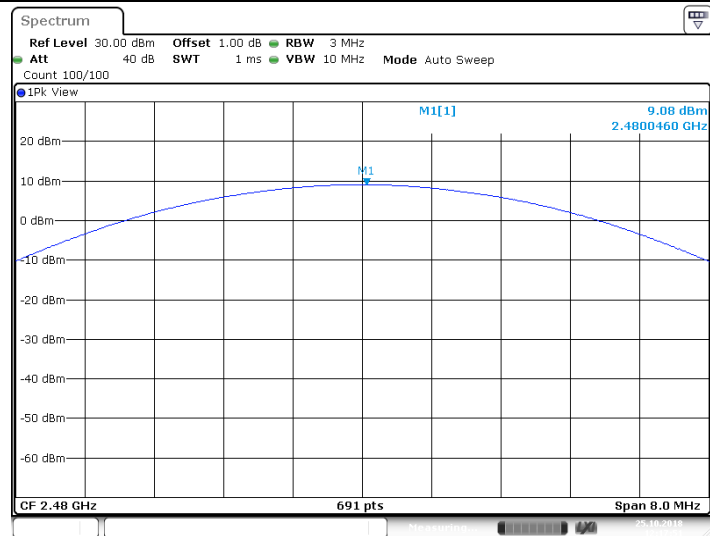
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480



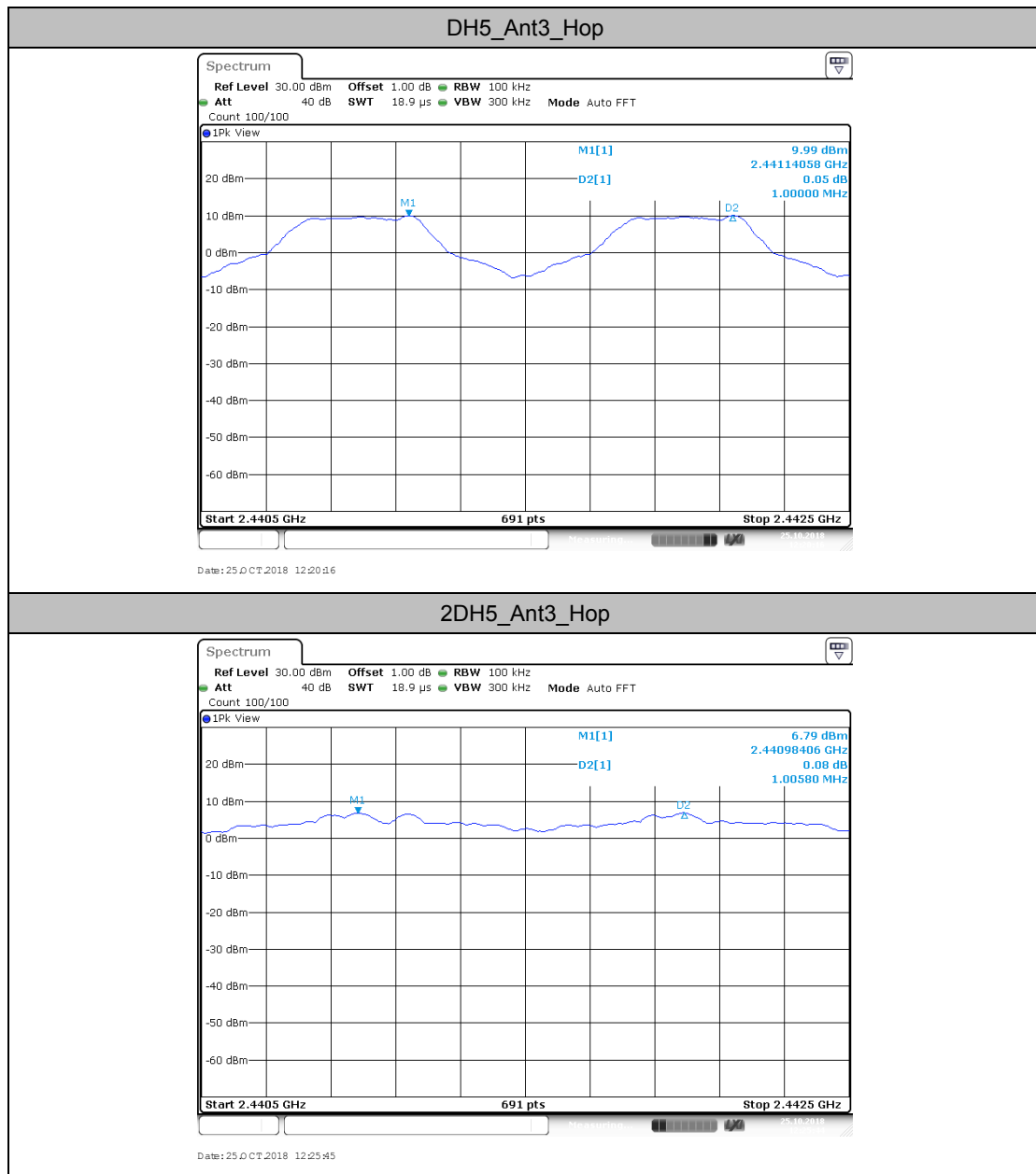
Date: 25.10.2018 12:17:51

Appendix D: Carrier frequency separation

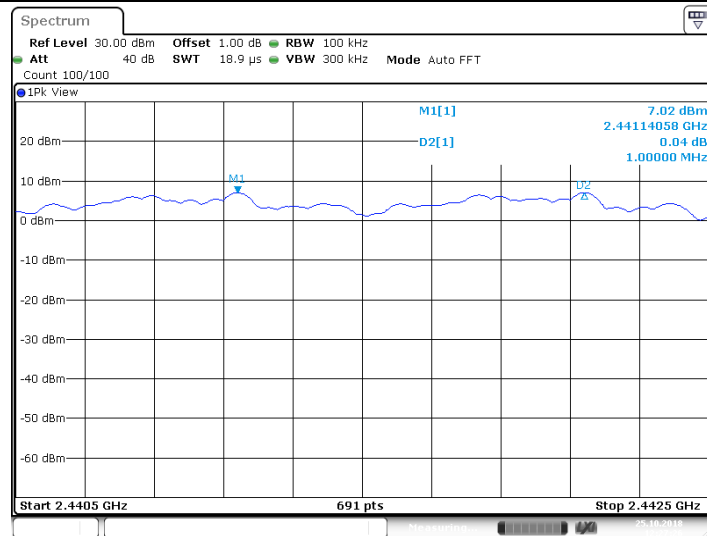
Test Result

TestMode	Antenna	Channel	Result	Limit	Verdict
DH5	Ant3	Hop	1	0.762	PASS
2DH5	Ant3	Hop	1.006	0.952	PASS
3DH5	Ant3	Hop	1	0.946	PASS

Test Graphs



3DH5_Ant3_Hop



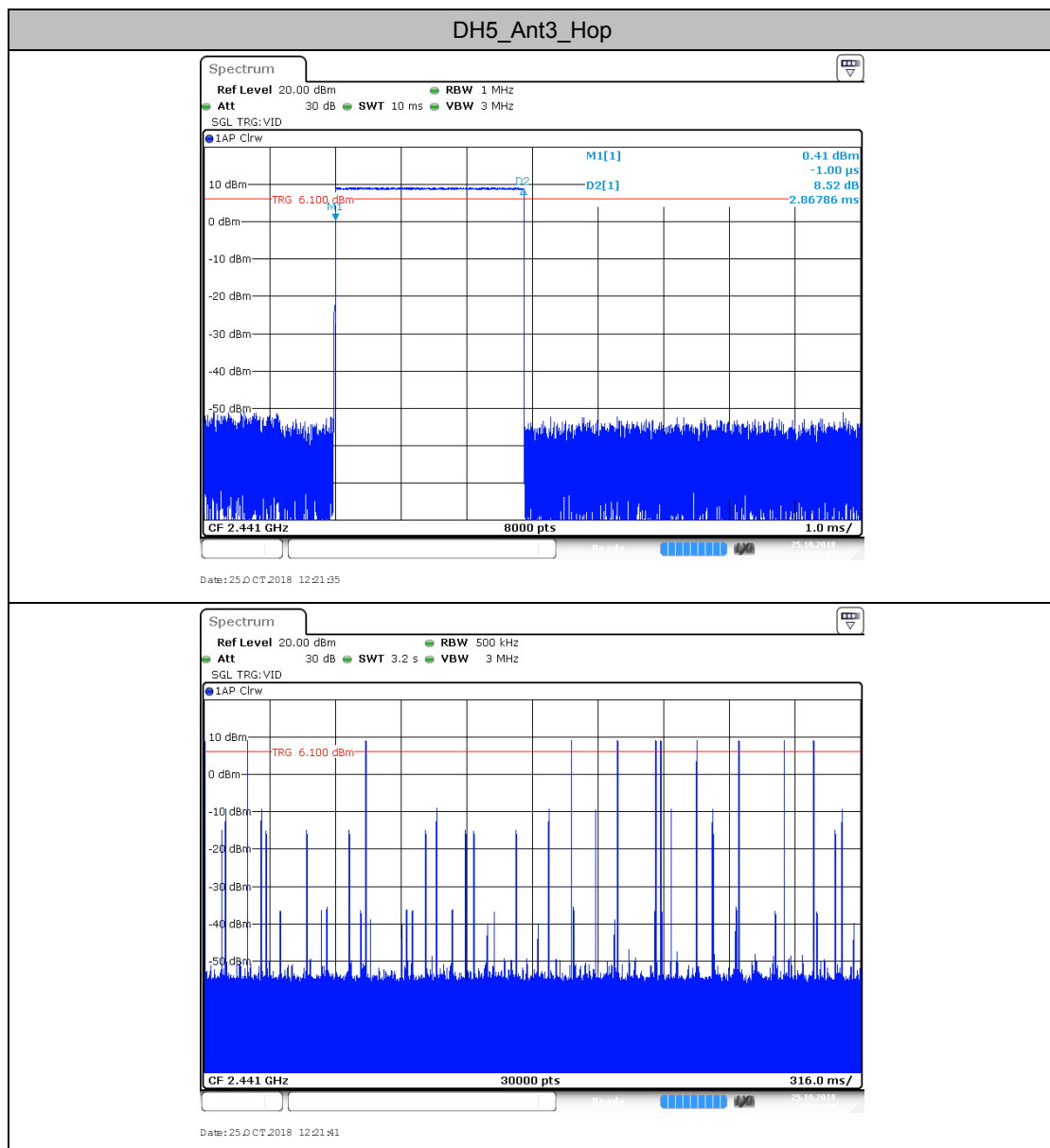
Date: 25.10.2018 12:27:26

Appendix E: Time of occupancy

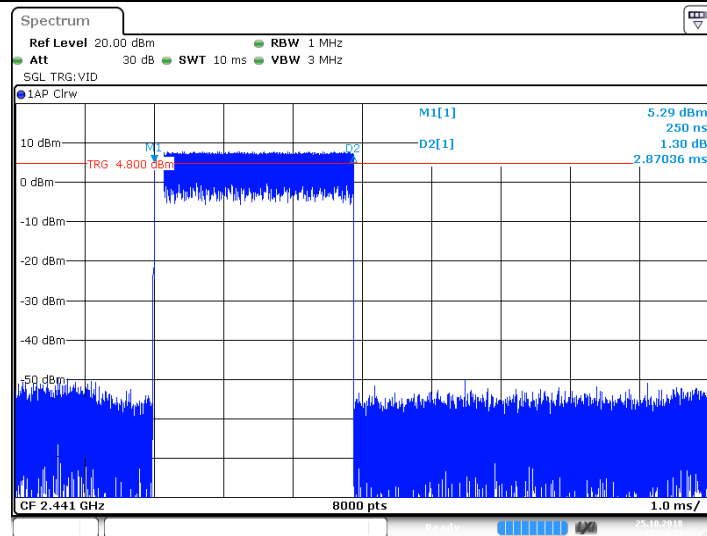
Test Result

TestMode	Antenna	Channel	BurstWidth	TotalHops	Result	Limit	Verdict
DH5	Ant3	Hop	2.87	110	0.315	0.4	PASS
2DH5	Ant3	Hop	2.87	130	0.373	0.4	PASS
3DH5	Ant3	Hop	2.87	100	0.287	0.4	PASS

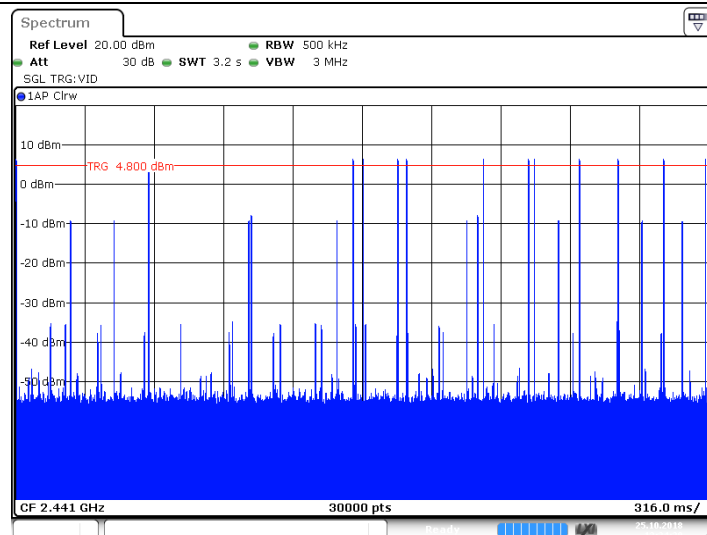
Test Graphs



2DH5_Ant3_Hop

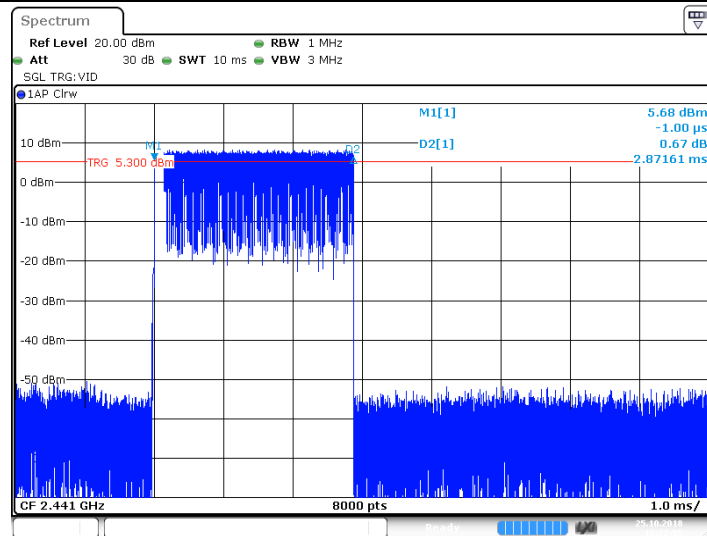


Date: 25 OCT 2018 12:24:34

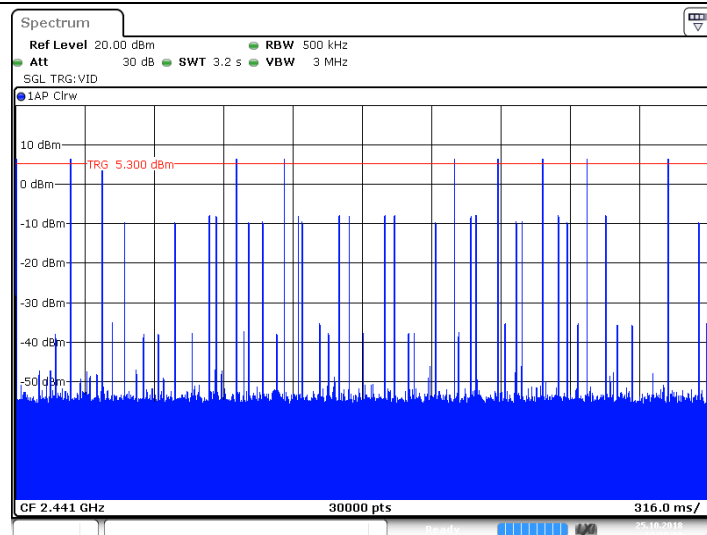


Date: 25 OCT 2018 12:24:39

3DH5_Ant3_Hop



Date: 25 OCT 2018 12:27:55



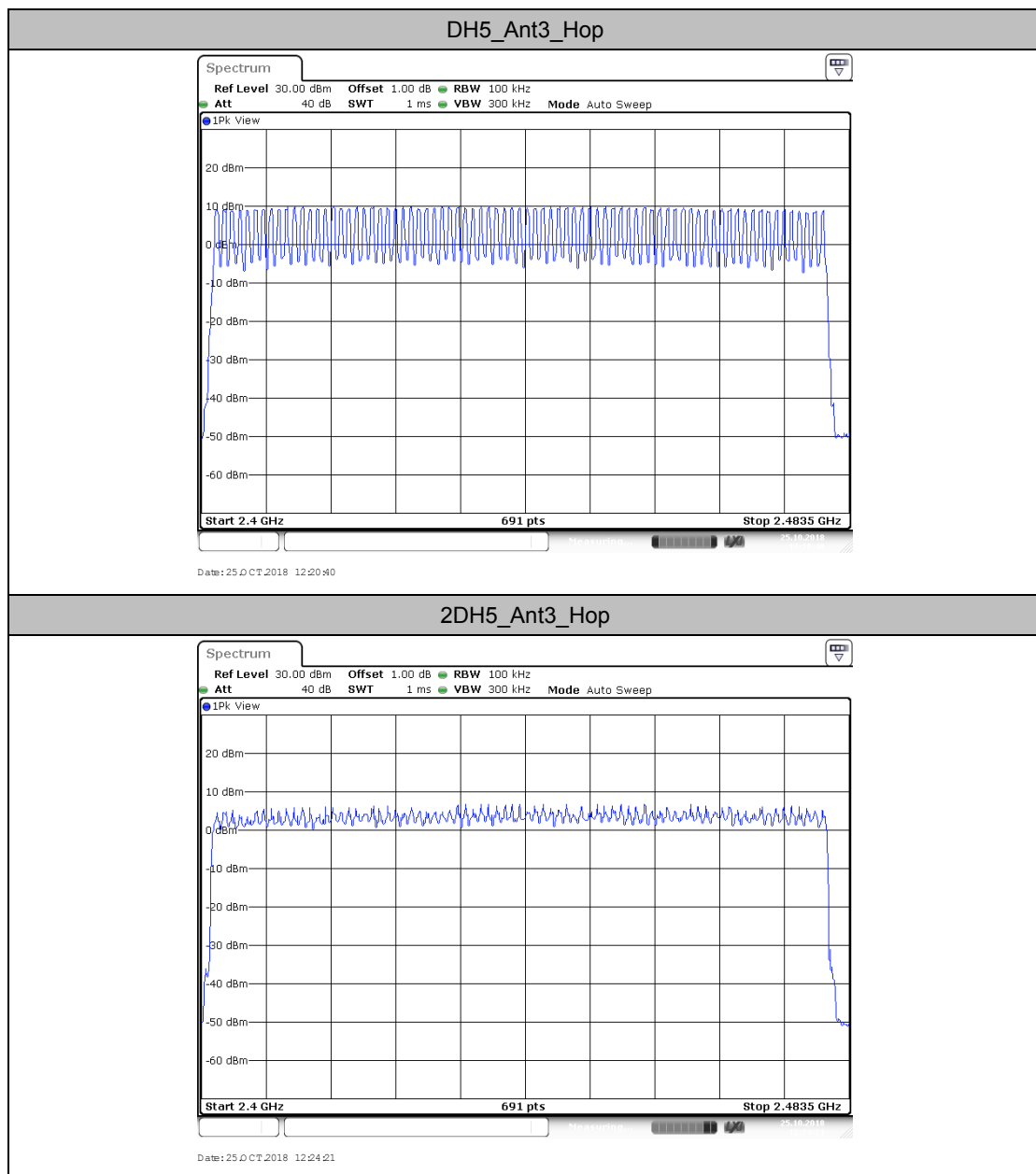
Date: 25 OCT 2018 12:28:01

Appendix F: Number of hopping channels

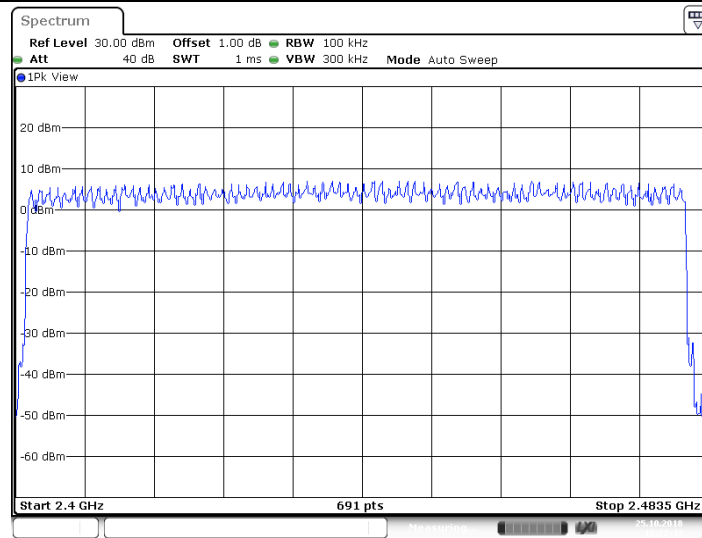
Test Result

TestMode	Antenna	Channel	Result	Limit	Verdict
DH5	Ant3	Hop	79	15	PASS
2DH5	Ant3	Hop	79	15	PASS
3DH5	Ant3	Hop	79	15	PASS

Test Graphs



3DH5_Ant3_Hop



Date: 25.10.2018 12:27:43

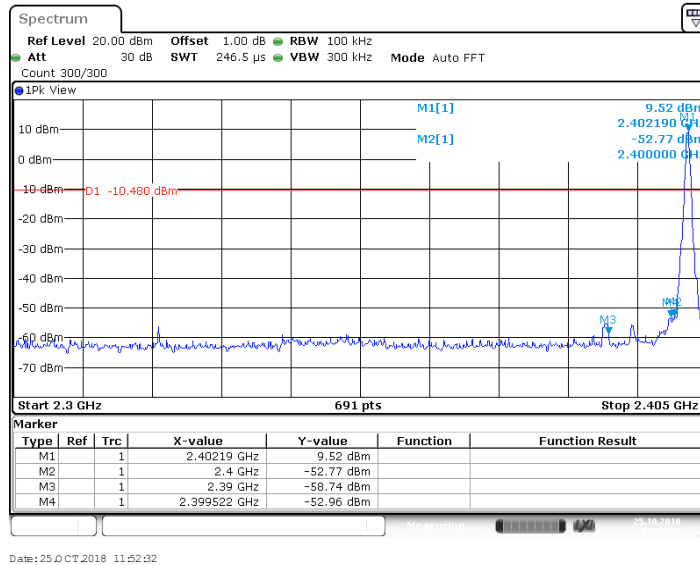
Appendix G: Band edge measurements

Test Result

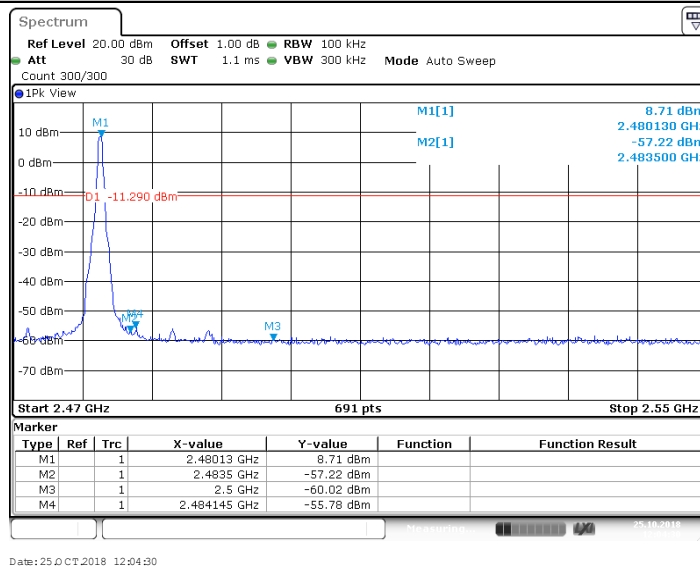
TestMode	Antenna	ChName	Channel	RefLevel	Result	Limit	Verdict
DH5	Ant3	Low	2402	9.52	-52.96	-10.48	PASS
		High	2480	8.71	-55.78	-11.29	PASS
		Low	Hop_2402	8.81	-54.47	-11.19	PASS
		High	Hop_2480	8.98	-53.05	-11.02	PASS
2DH5	Ant3	Low	2402	5.10	-48.19	-14.9	PASS
		High	2480	6.13	-55.07	-13.87	PASS
		Low	Hop_2402	2.54	-57.41	-17.46	PASS
		High	Hop_2480	6.34	-53.78	-13.66	PASS
3DH5	Ant3	Low	2402	5.35	-51.19	-14.65	PASS
		High	2480	6.23	-57.01	-13.77	PASS
		Low	Hop_2402	1.95	-56.1	-18.05	PASS
		High	Hop_2480	6.51	-53.63	-13.49	PASS

Test Graphs

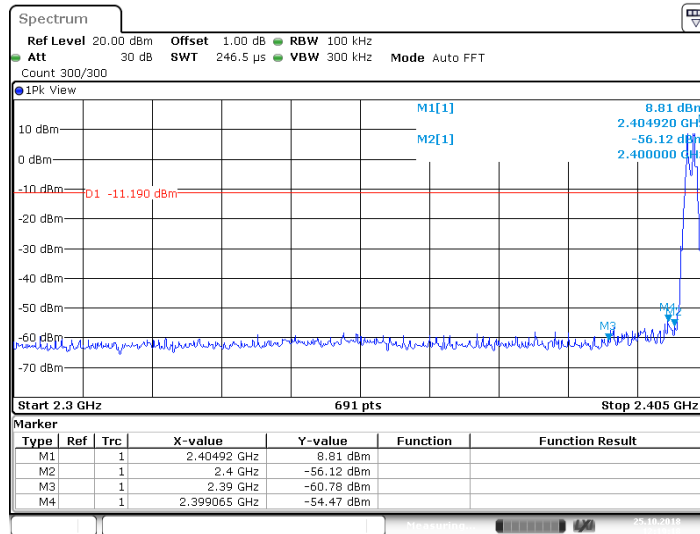
DH5_Ant3_Low_2402



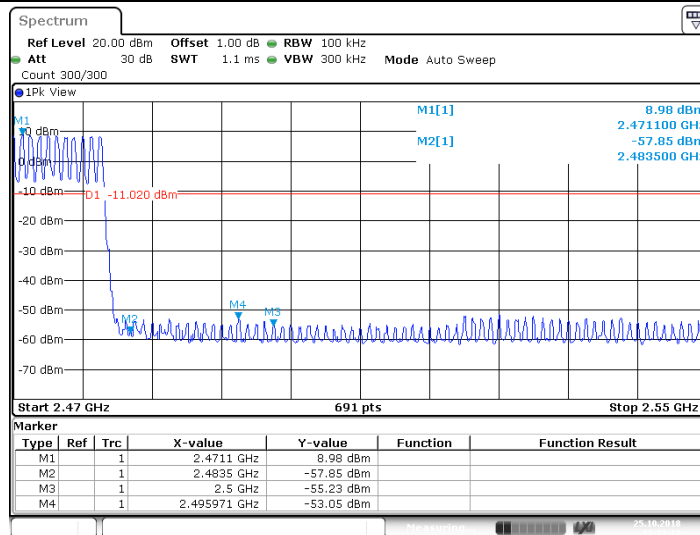
DH5_Ant3_High_2480



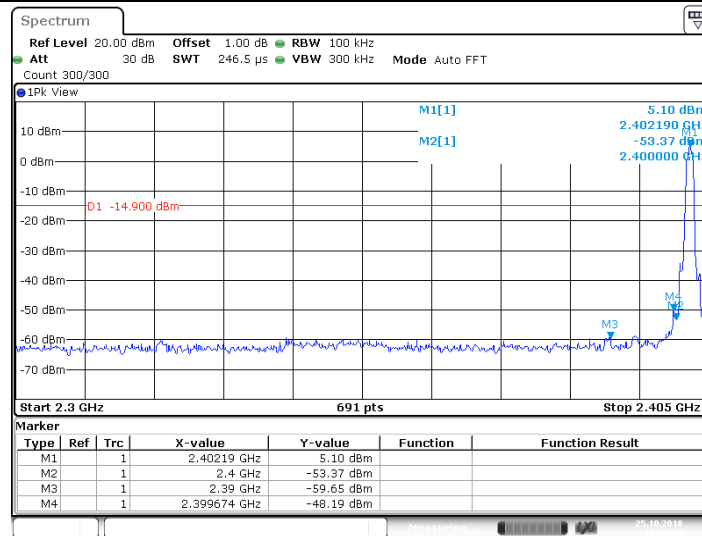
DH5_Ant3_Low_Hop_2402



DH5_Ant3_High_Hop_2480

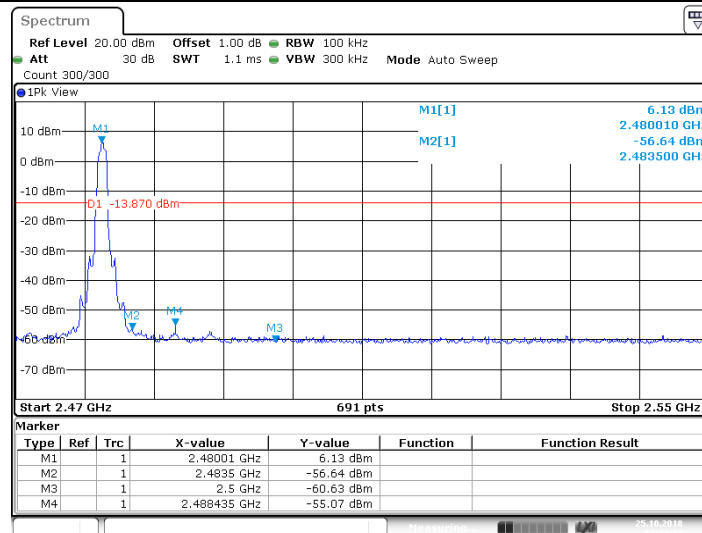


2DH5_Ant3_Low_2402



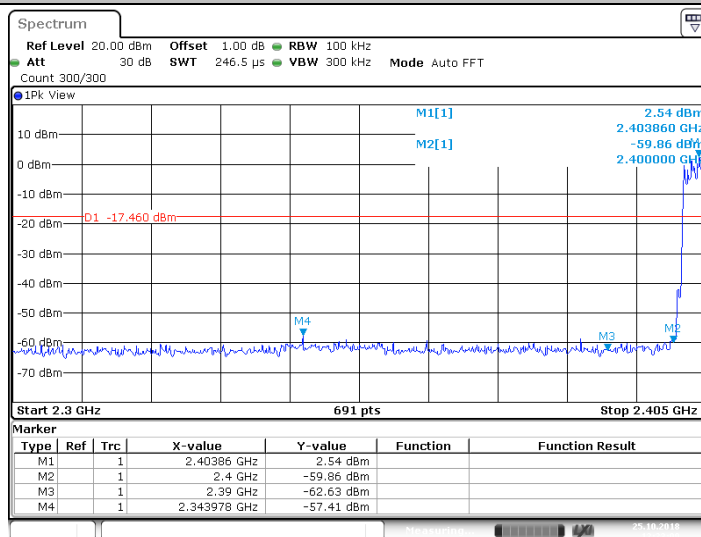
Date: 25.10.2018 12:07:37

2DH5_Ant3_High_2480



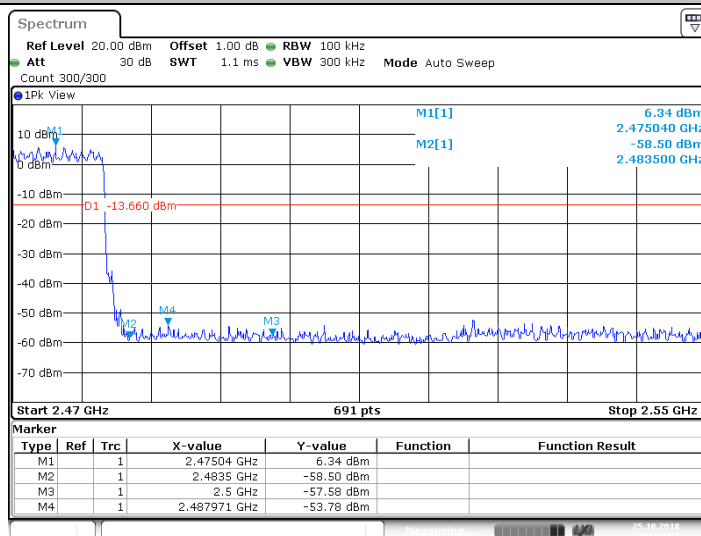
Date: 25.10.2018 12:11:18

2DH5_Ant3_Low_Hop_2402



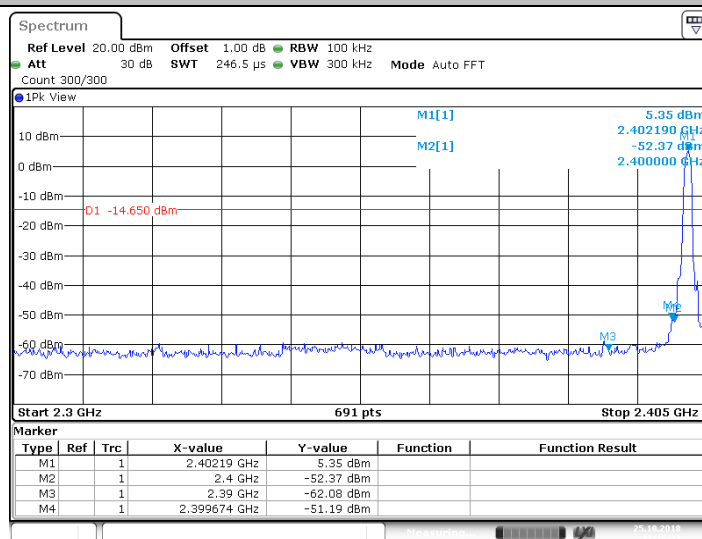
Date: 25 OCT 2018 12:23:09

2DH5_Ant3_High_Hop_2480

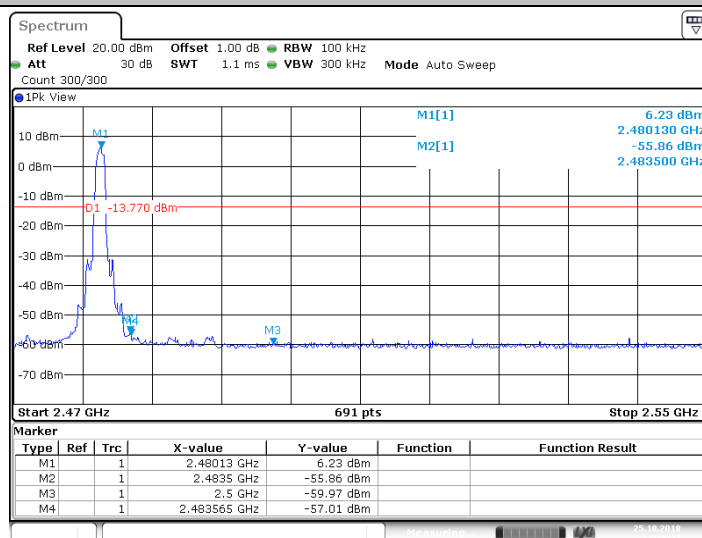


Date: 25 OCT 2018 12:24:52

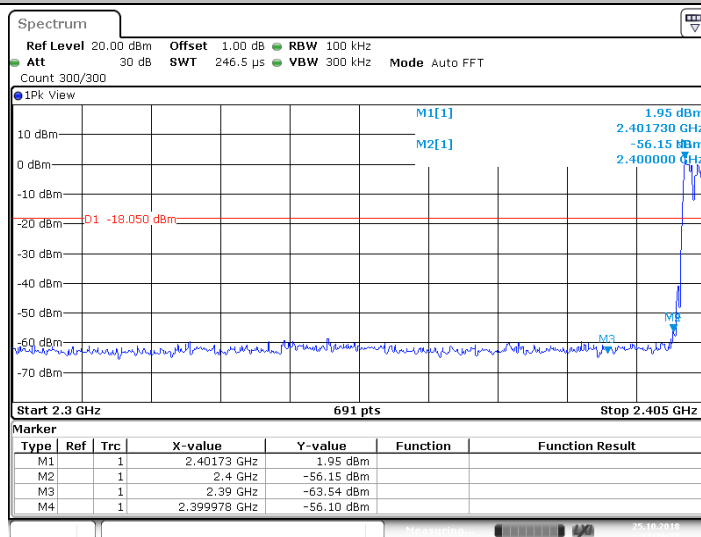
3DH5_Ant3_Low_2402



3DH5_Ant3_High_2480

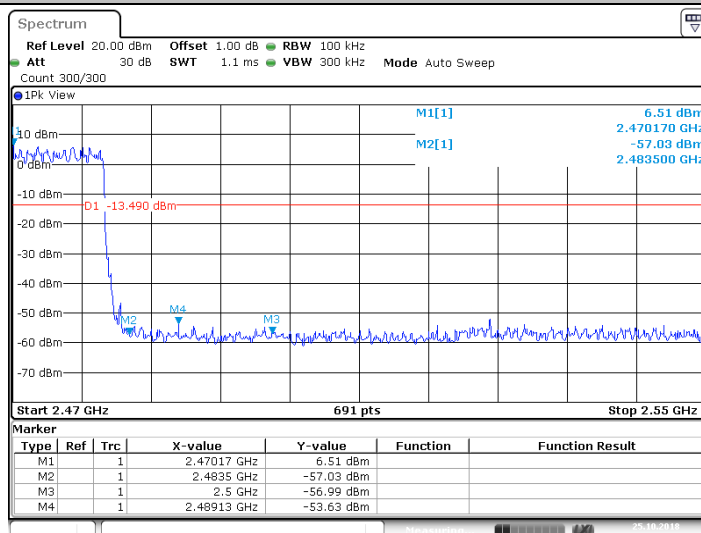


3DH5_Ant3_Low_Hop_2402



Date: 25.0 CT 2018 12:26:27

3DH5_Ant3_High_Hop_2480



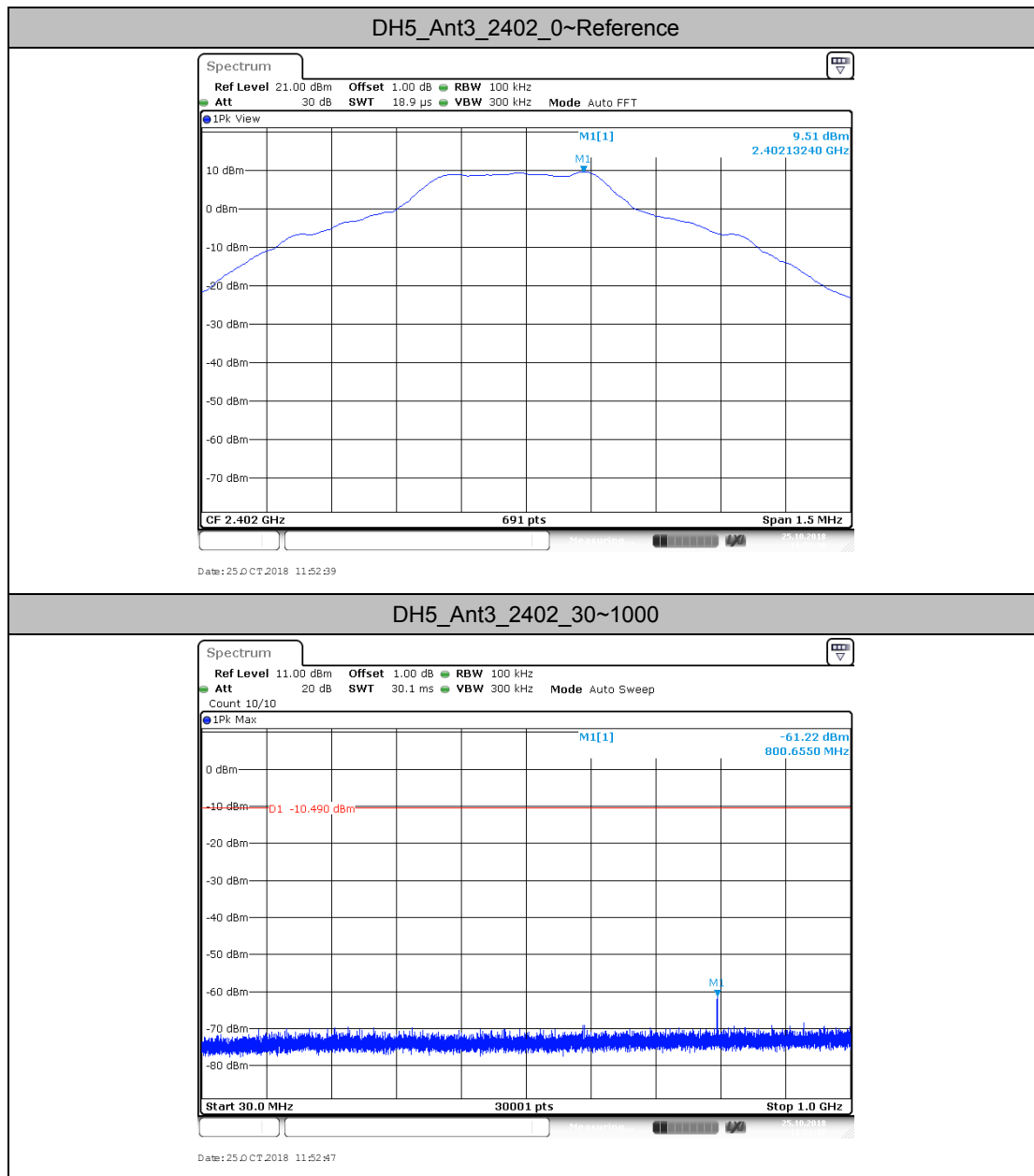
Date: 25.0 CT 2018 12:28:17

Appendix H: Conducted Spurious Emission

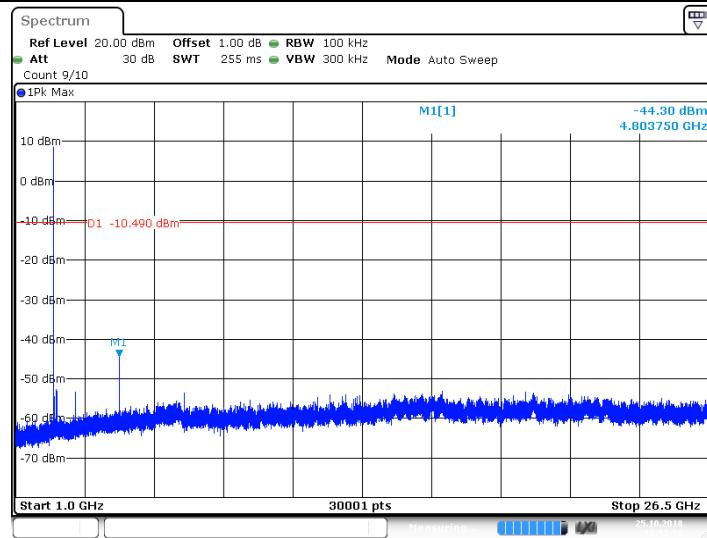
Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel	Result	Limit	Verdict
DH5	Ant3	2402	Reference	9.51	9.51	---	PASS
		2402	30~1000	9.51	-61.22	-10.49	PASS
		2402	1000~26500	9.51	-44.3	-10.49	PASS
		2441	Reference	10.53	10.53	---	PASS
		2441	30~1000	10.53	-61.8	-9.47	PASS
		2441	1000~26500	10.53	-42.44	-9.47	PASS
		2480	Reference	8.77	8.77	---	PASS
		2480	30~1000	8.77	-62.17	-11.23	PASS
		2480	1000~26500	8.77	-45.98	-11.23	PASS
2DH5	Ant3	2402	Reference	5.18	5.18	---	PASS
		2402	30~1000	5.18	-64.51	-14.82	PASS
		2402	1000~26500	5.18	-51.15	-14.82	PASS
		2441	Reference	6.85	6.85	---	PASS
		2441	30~1000	6.85	-62.57	-13.15	PASS
		2441	1000~26500	6.85	-52.11	-13.15	PASS
		2480	Reference	6.12	6.12	---	PASS
		2480	30~1000	6.12	-64.3	-13.88	PASS
		2480	1000~26500	6.12	-51.17	-13.88	PASS
3DH5	Ant3	2402	Reference	5.34	5.34	---	PASS
		2402	30~1000	5.34	-63.97	-14.66	PASS
		2402	1000~26500	5.34	-50.48	-14.66	PASS
		2441	Reference	7.02	7.02	---	PASS
		2441	30~1000	7.02	-64.11	-12.98	PASS
		2441	1000~26500	7.02	-50.85	-12.98	PASS
		2480	Reference	6.29	6.29	---	PASS
		2480	30~1000	6.29	-63.44	-13.71	PASS
		2480	1000~26500	6.29	-49.91	-13.71	PASS

Test Graphs

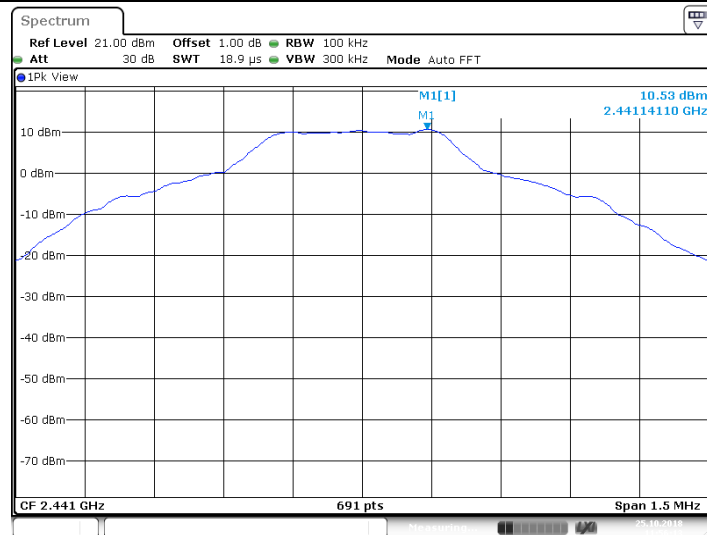


DH5_Ant3_2402_1000~26500



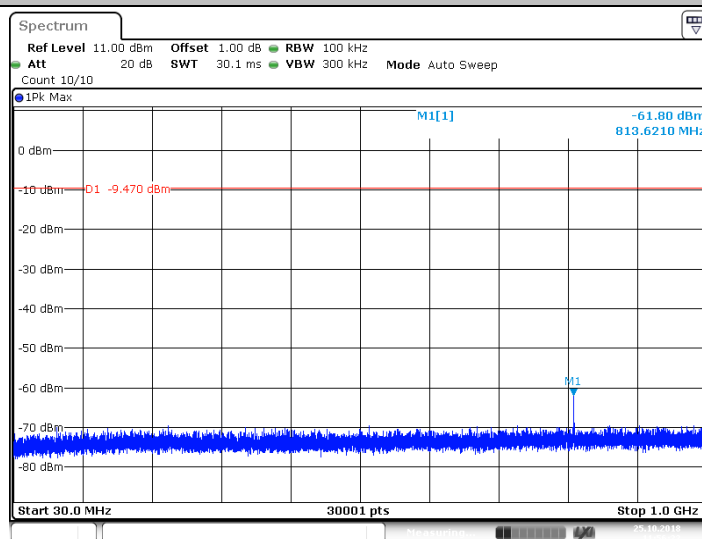
Date: 25.0 CT 2018 11:52:59

DH5_Ant3_2441_0~Reference



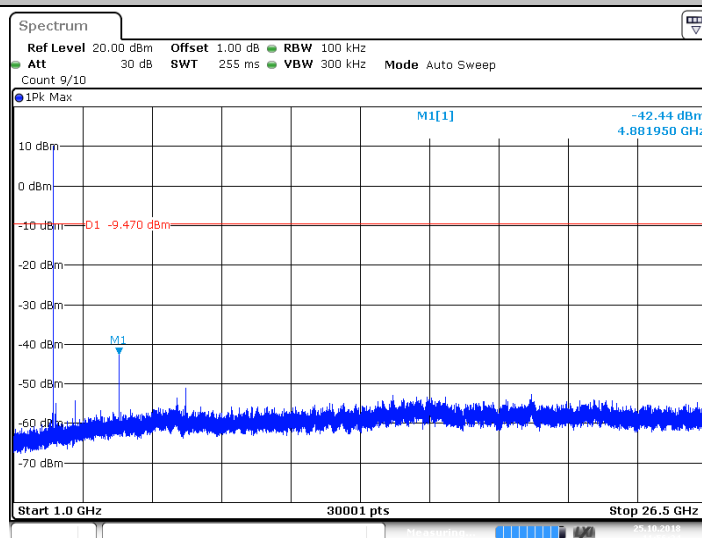
Date: 25.0 CT 2018 11:56:14

DH5_Ant3_2441_30~1000



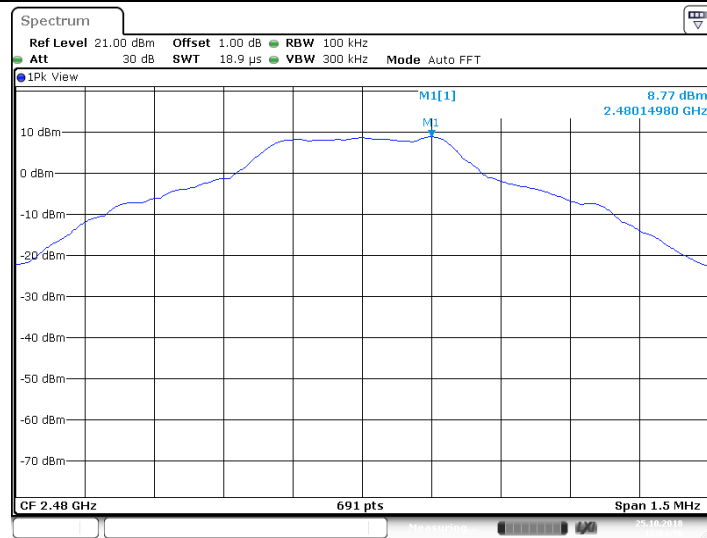
Date: 25.0 CT.2018 11:56:23

DH5_Ant3_2441_1000~26500

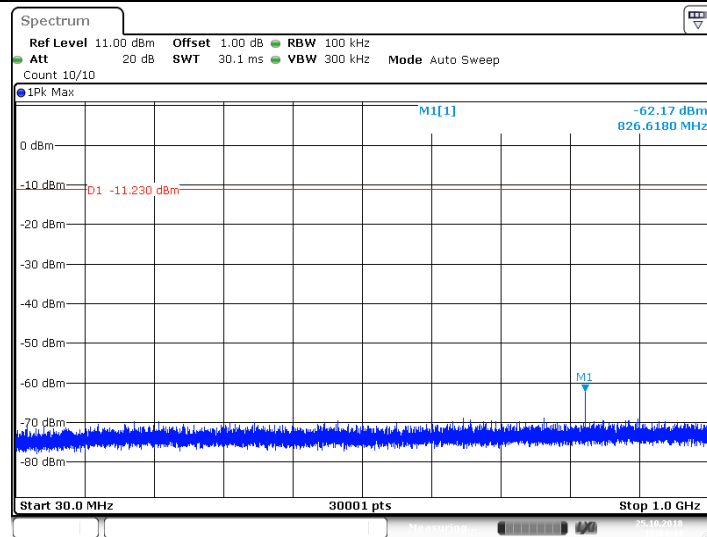


Date: 25.0 CT.2018 11:56:34

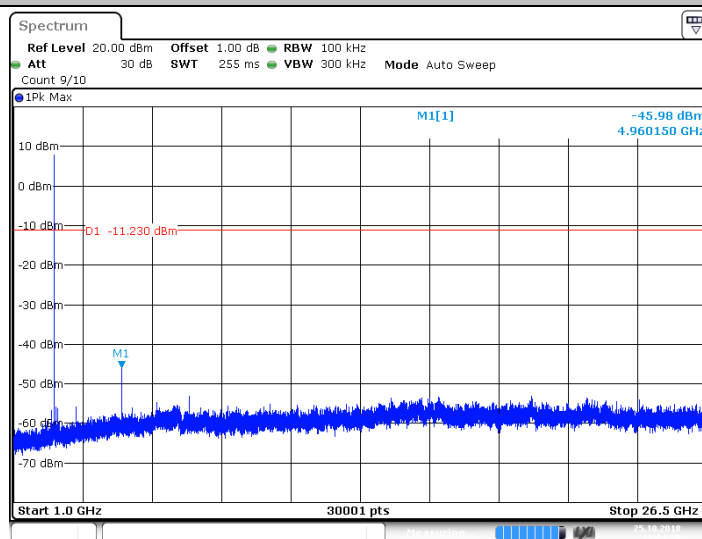
DH5_Ant3_2480_0~Reference



DH5_Ant3_2480_30~1000

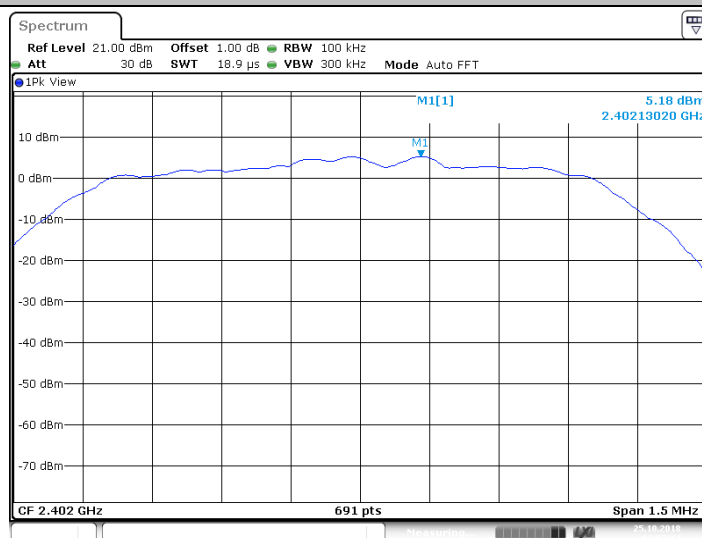


DH5_Ant3_2480_1000~26500



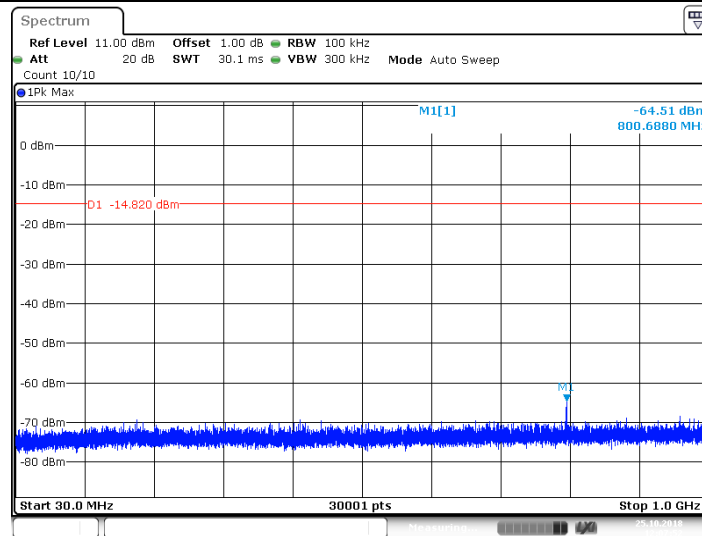
Date: 25.0 CT 2018 12:04:56

2DH5_Ant3_2402_0~Reference

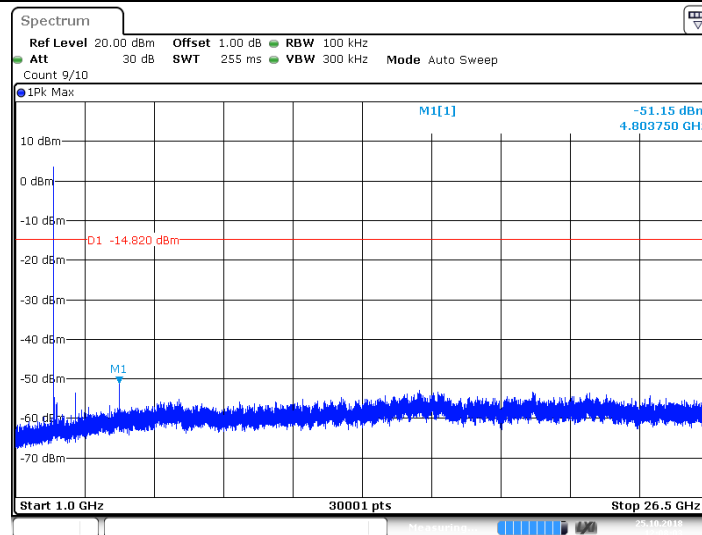


Date: 25.0 CT 2018 12:07:43

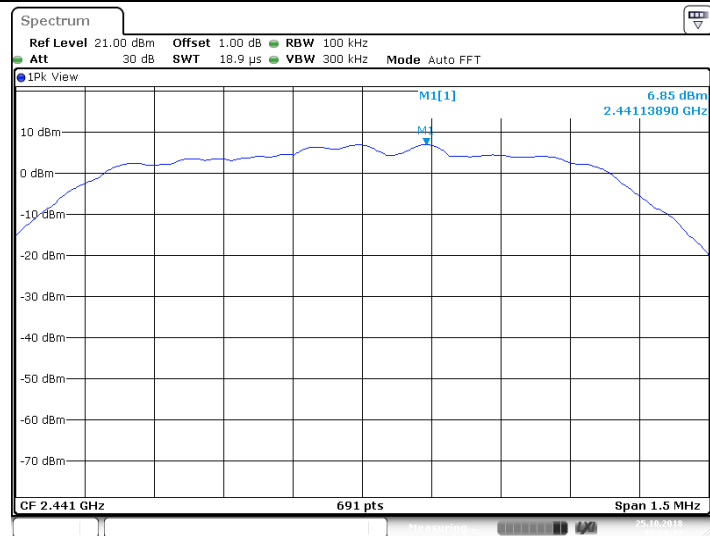
2DH5_Ant3_2402_30~1000



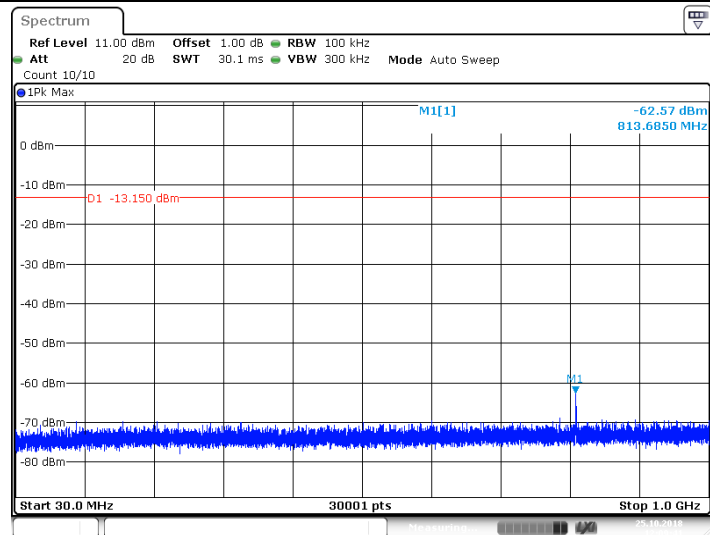
2DH5_Ant3_2402_1000~26500



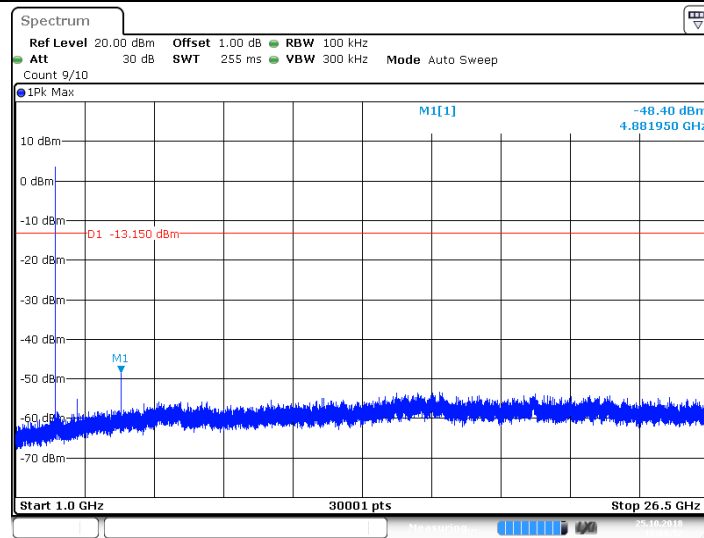
2DH5_Ant3_2441_0~Reference



2DH5_Ant3_2441_30~1000

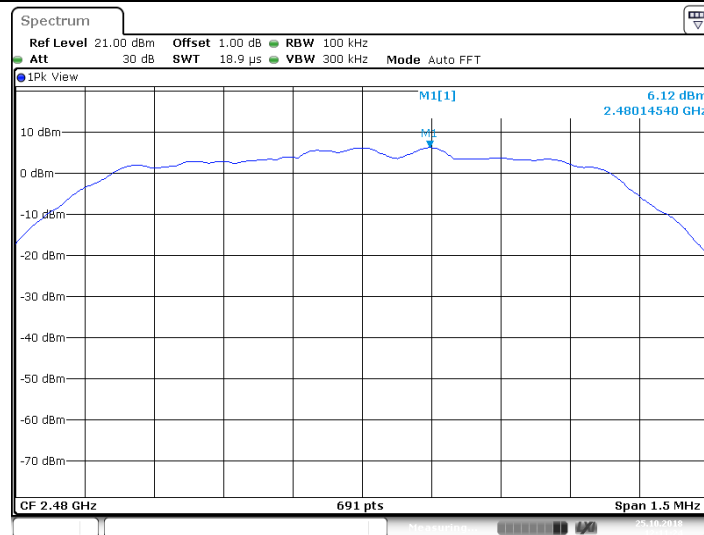


2DH5_Ant3_2441_1000~26500



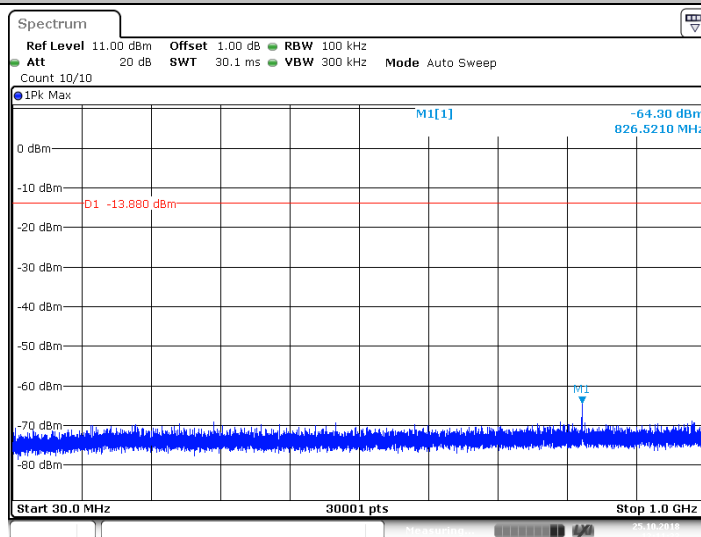
Date: 25.0 CT 2018 12:09:53

2DH5_Ant3_2480_0~Reference



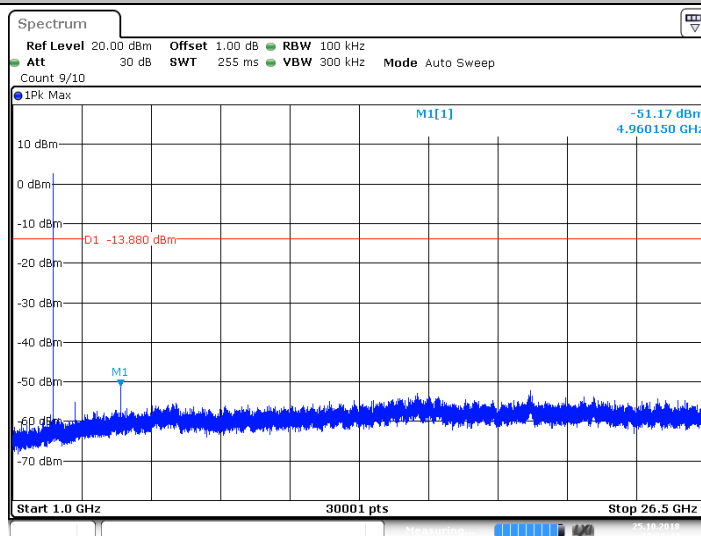
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2DH5_Ant3_2480_30~1000



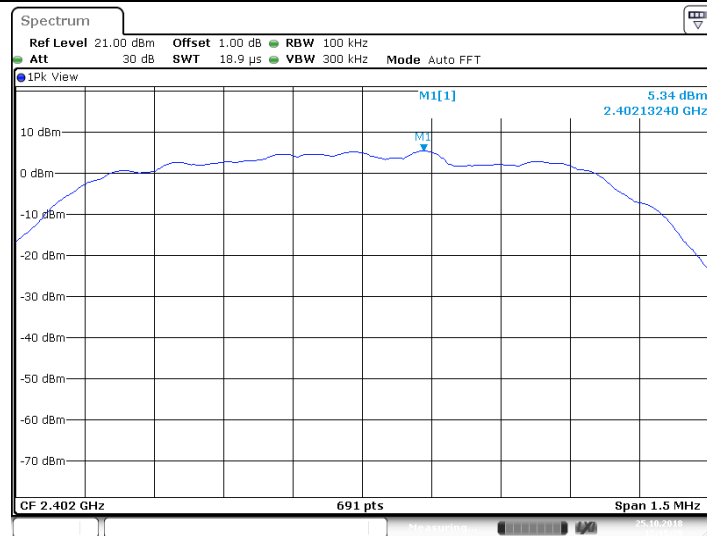
Date: 25.0 CT 2018 12:11:33

2DH5_Ant3_2480_1000~26500

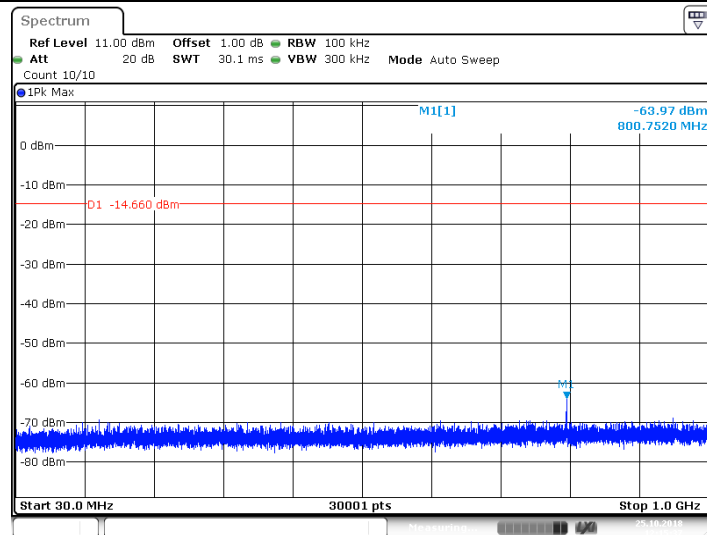


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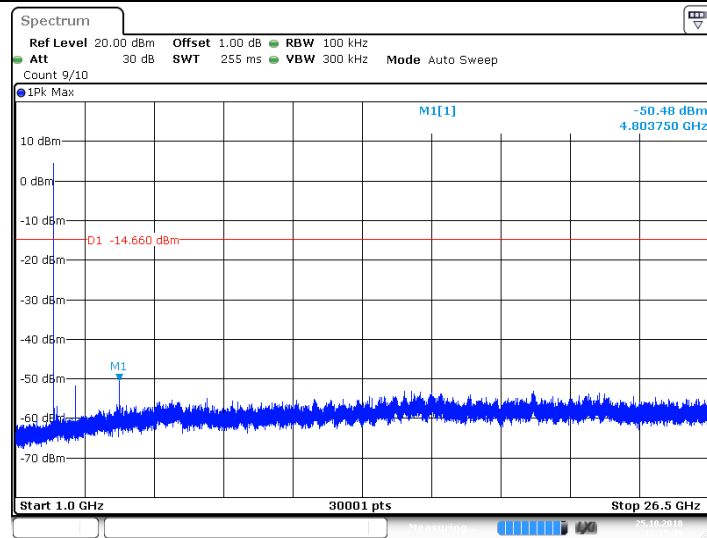
3DH5_Ant3_2402_0~Reference



3DH5_Ant3_2402_30~1000

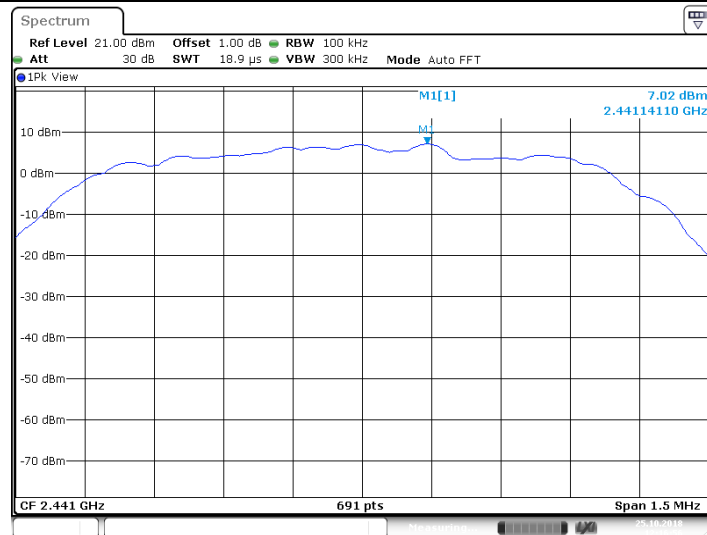


3DH5_Ant3_2402_1000~26500



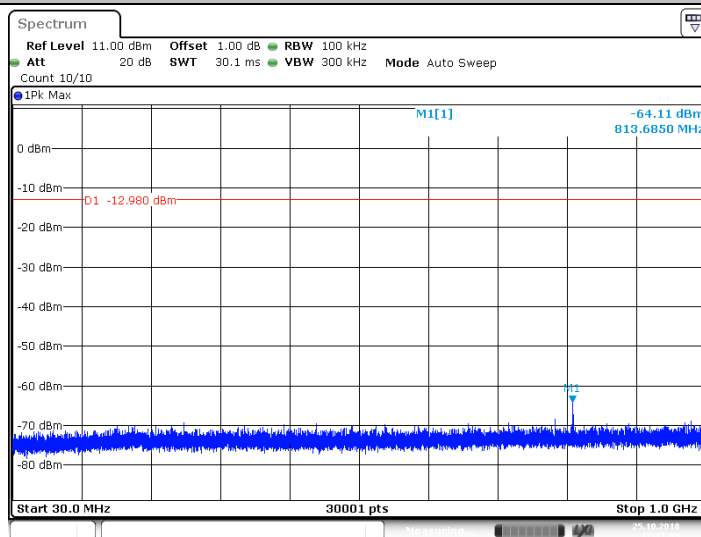
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3DH5_Ant3_2441_0~Reference

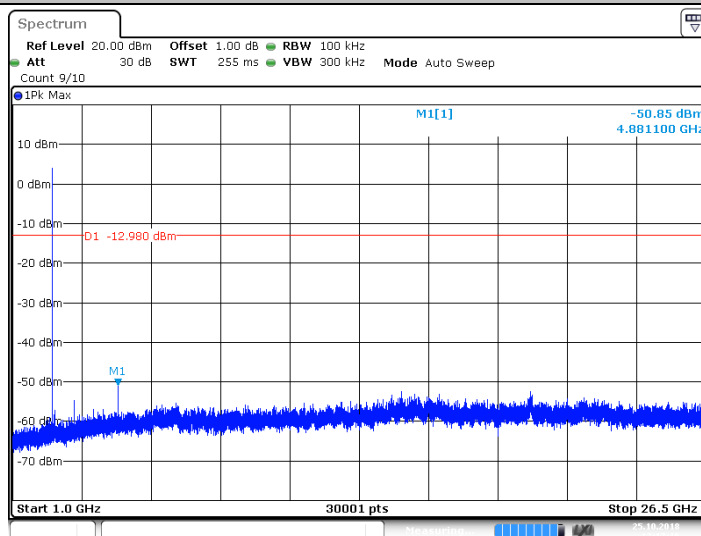


Date: 25.0 CT 2018 12:16:57

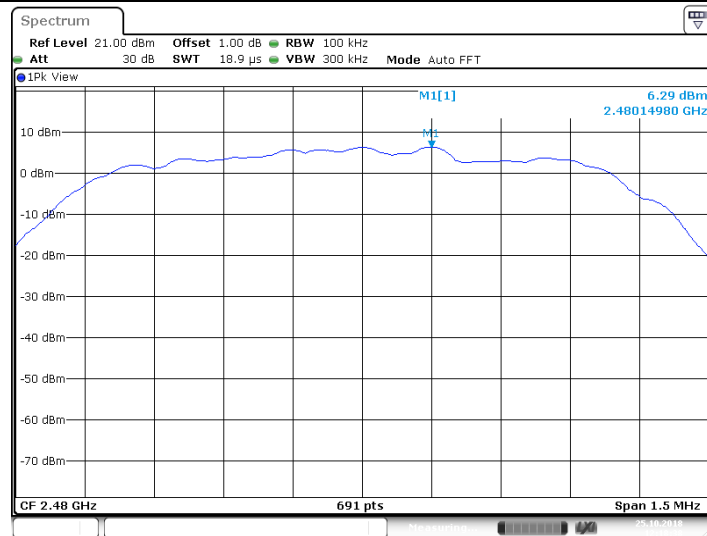
3DH5_Ant3_2441_30~1000



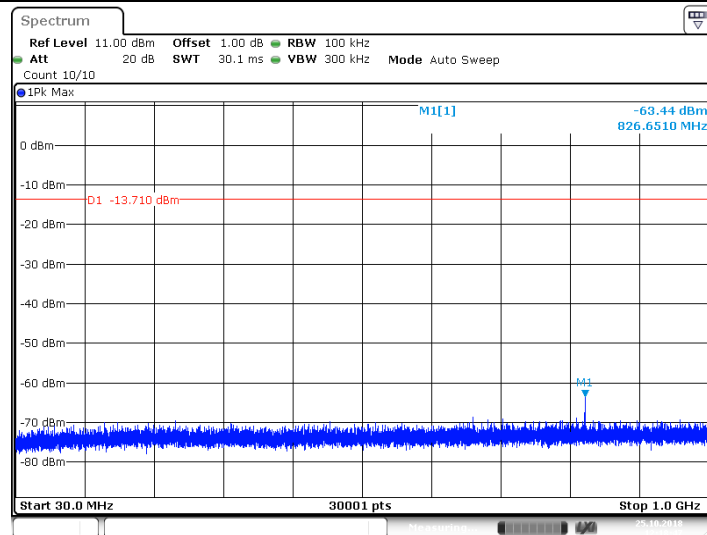
3DH5_Ant3_2441_1000~26500



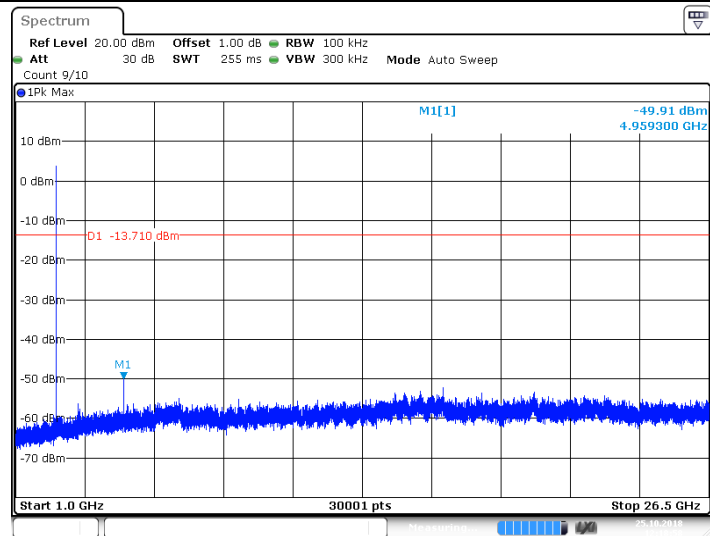
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3DH5_Ant3_2480_30~1000



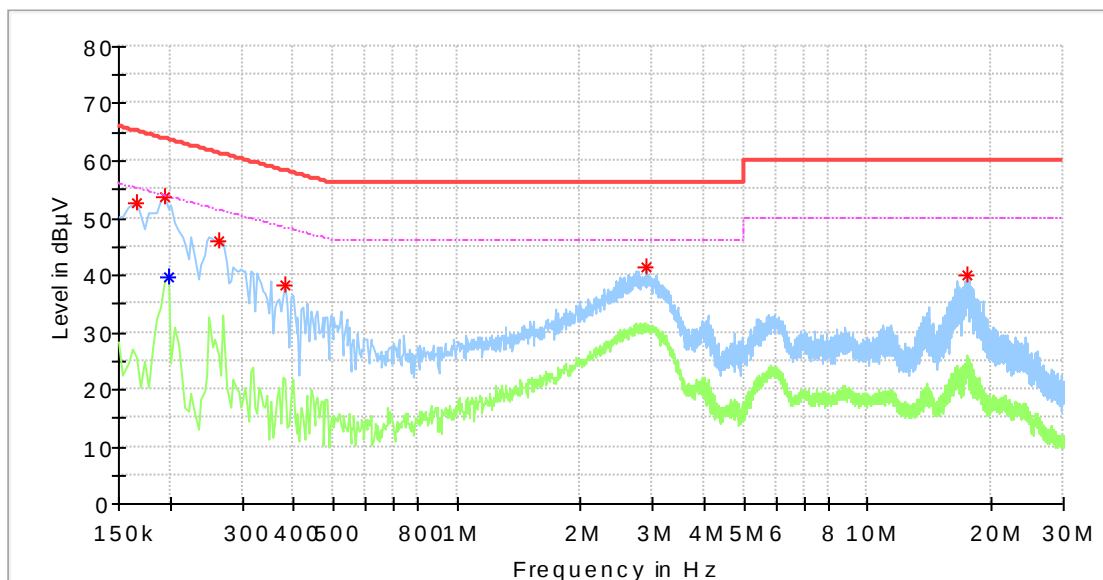
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Date: 25.10.2018 12:18:58

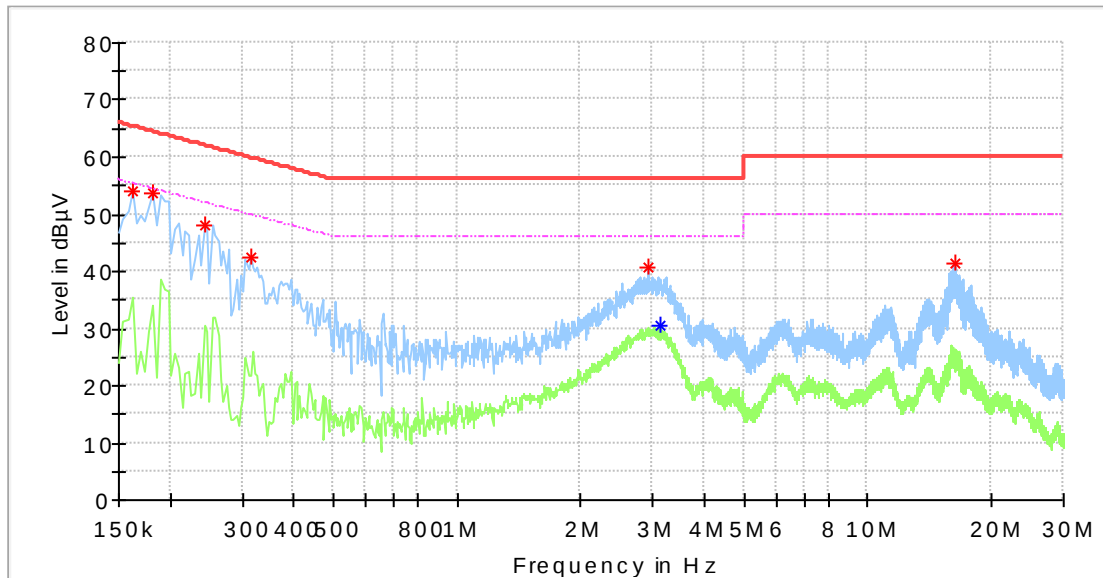
Appendix I: Conducted Emission

M/N: C1
 Op Cond.: Bluetooth
 Test Spec: Power Line, Live
 Comment: 120VAC, 60Hz



Frequency	MaxPeak	Average	Limit	Margin	Line	Corr.
0.166000	52.73	---	65.16	12.43	L1	10.2
0.194000	53.60	---	63.86	10.27	L1	10.2
0.198000	---	39.65	53.69	14.05	L1	10.2
0.262000	45.94	---	61.37	15.43	L1	10.2
0.382000	38.08	---	58.24	20.16	L1	10.3
2.886000	41.48	---	56.00	14.52	L1	10.3
17.478000	39.87	---	60.00	20.13	L1	10.9

M/N: C1
 Op Cond.: Bluetooth
 Test Spec: Power Line, Neutral
 Comment: 120VAC, 60Hz



Frequency	MaxPeak	Average	Limit	Margin	Line	Corr.
0.162000	54.04	---	65.36	11.32	N	10.2
0.182000	53.77	---	64.39	10.62	N	10.2
0.242000	48.02	---	62.03	14.01	N	10.2
0.314000	42.31	---	59.86	17.56	N	10.3
2.922000	40.59	---	56.00	15.41	N	10.4
3.122000	---	30.43	46.00	15.57	N	10.4
16.286000	41.25	---	60.00	18.75	N	10.9