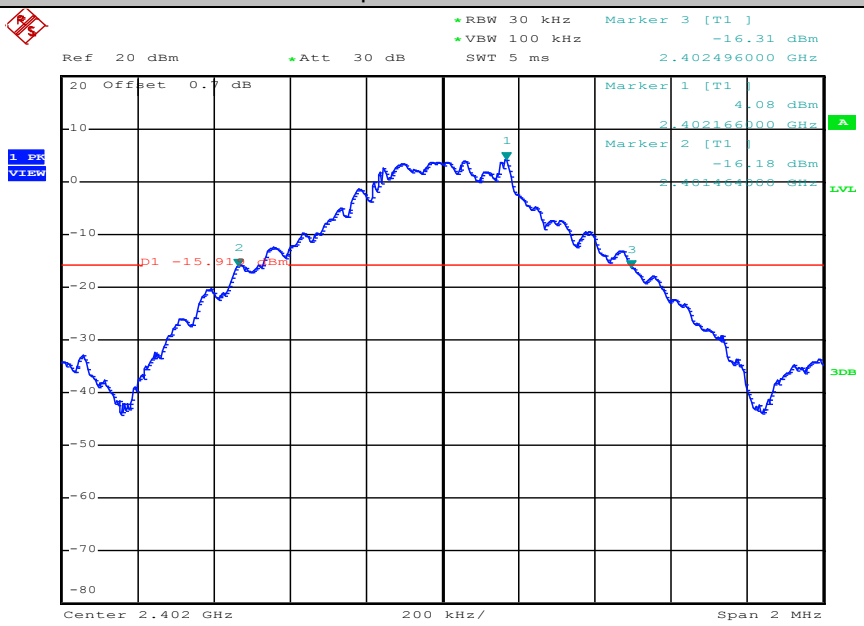
Appendix A): 20dB Bandwidth

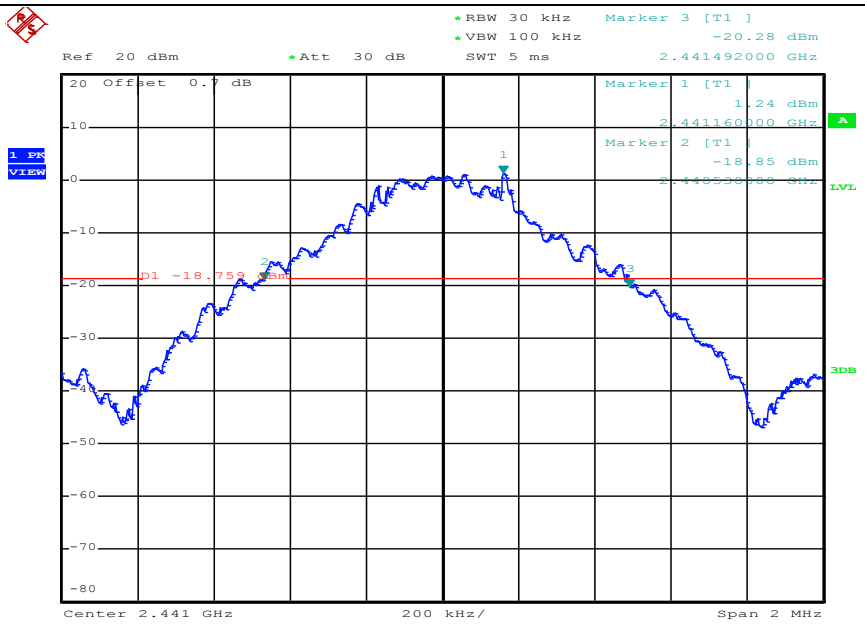
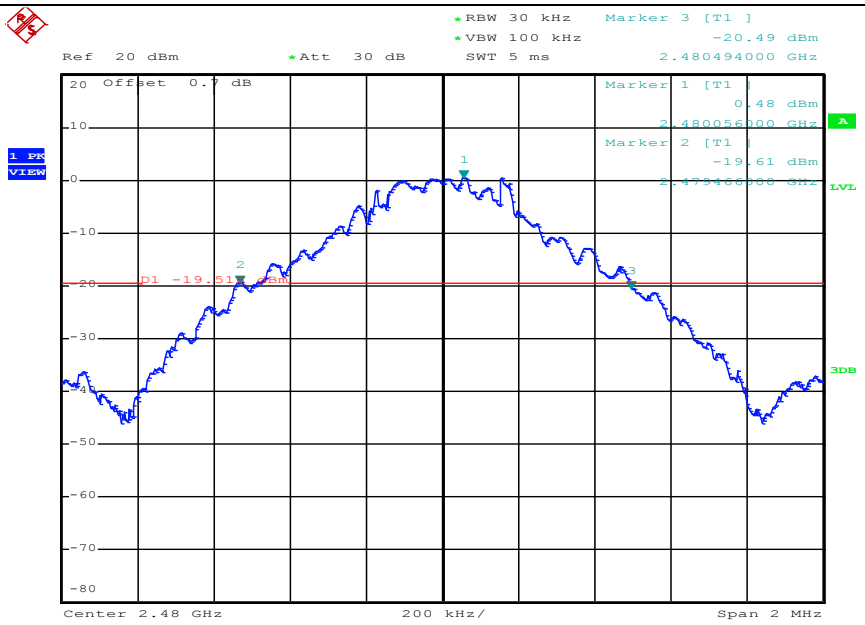
Test Result

Mode	Channel.	20dB Bandwidth [MHz]	Verdict
GFSK	LCH	1.032	PASS
GFSK	MCH	0.962	PASS
GFSK	HCH	1.028	PASS
π/4DQPSK	LCH	1.288	PASS
π/4DQPSK	MCH	1.316	PASS
π/4DQPSK	HCH	1.292	PASS

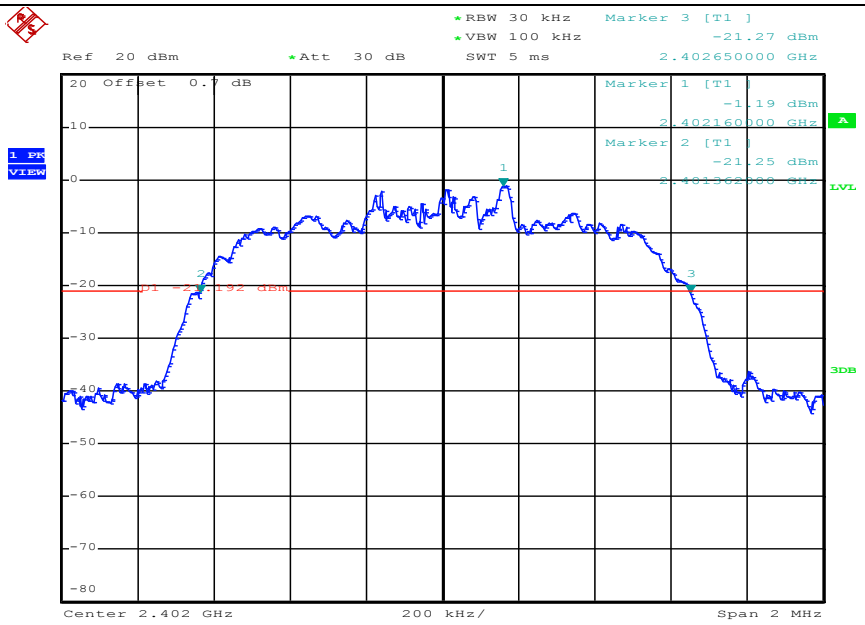
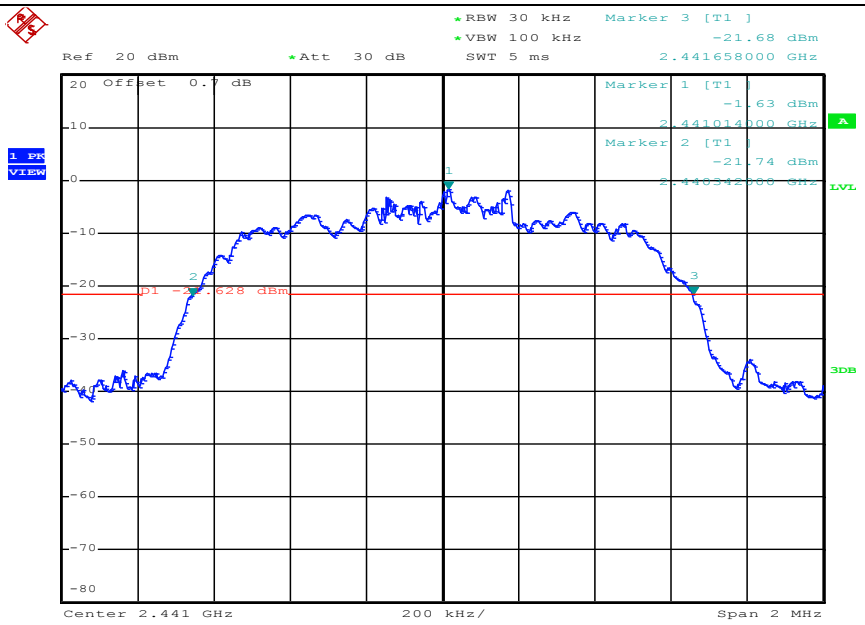
Test Graph

Graphs	
GFSK/LCH	

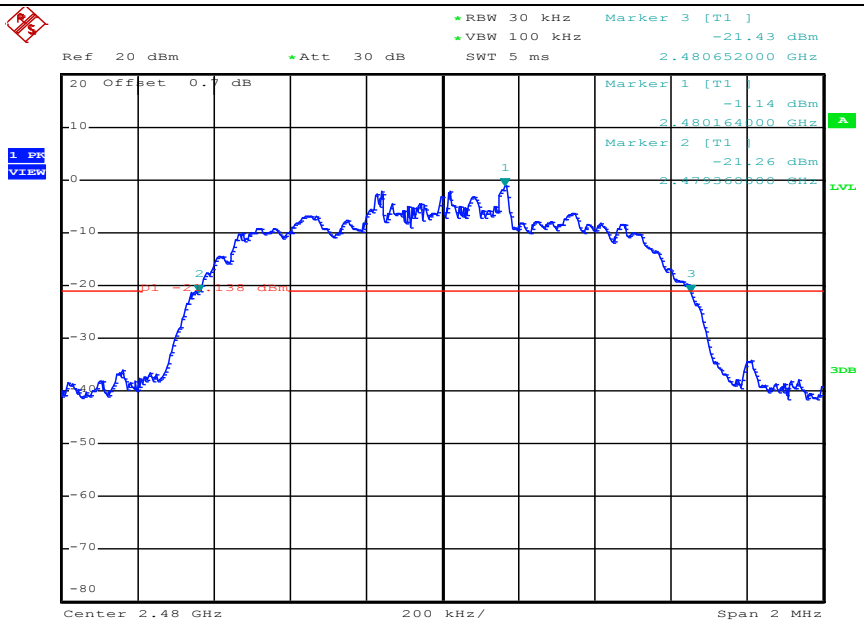
Date: 5.SEP.2017 07:45:24

GFSK/MCH	
GFSK/HCH	

Date: 5.SEP.2017 08:14:16

π/4DQPSK/LCH	
π/4DQPSK/MCH	

Date: 5.SEP.2017 08:21:41

π/4DQPSK/HCH	

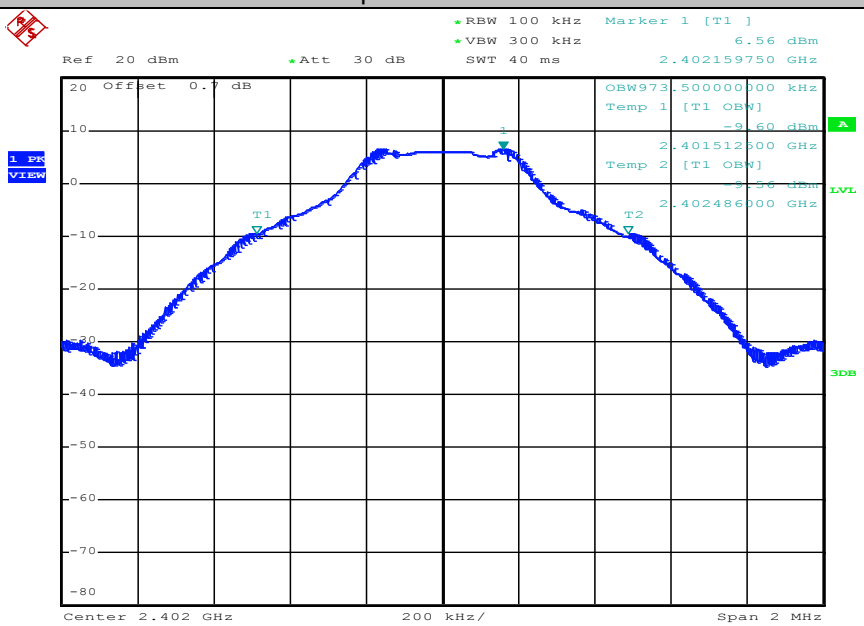
Date: 5.SEP.2017 08:24:30

Appendix B): Occupied Bandwidth

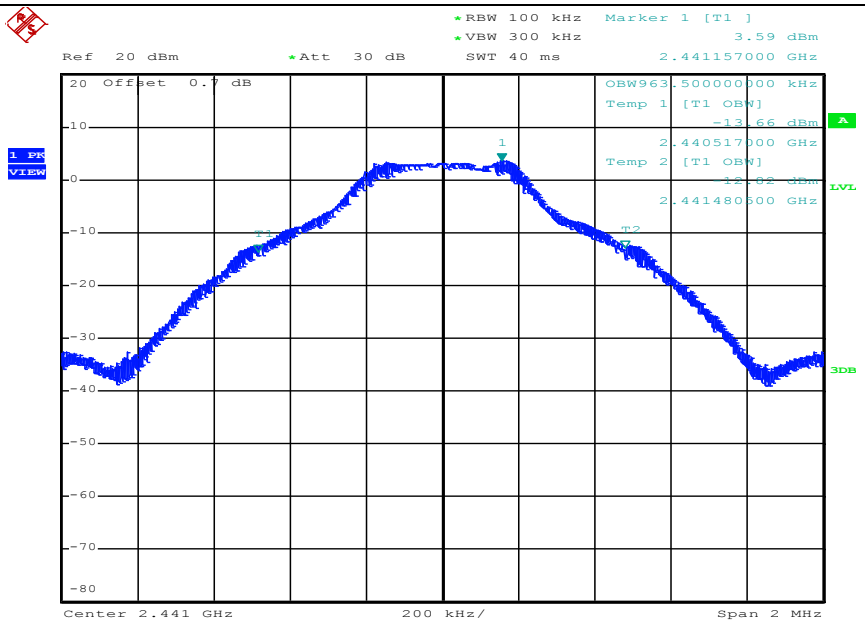
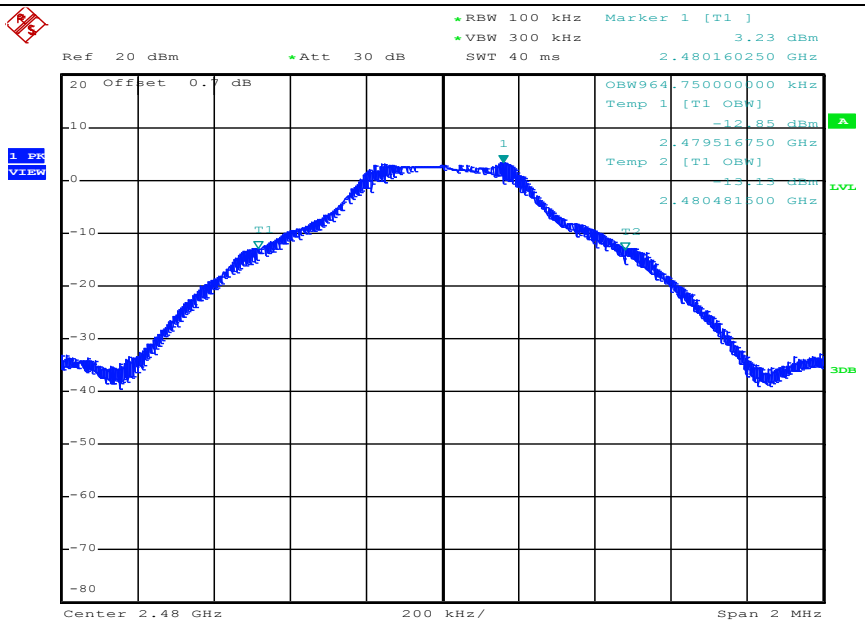
Test Result

Mode	Channel.	99% OBW [MHz]	Verdict
GFSK	LCH	0.974	PASS
GFSK	MCH	0.964	PASS
GFSK	HCH	0.965	PASS
π/4DQPSK	LCH	1.217	PASS
π/4DQPSK	MCH	1.219	PASS
π/4DQPSK	HCH	1.219	PASS

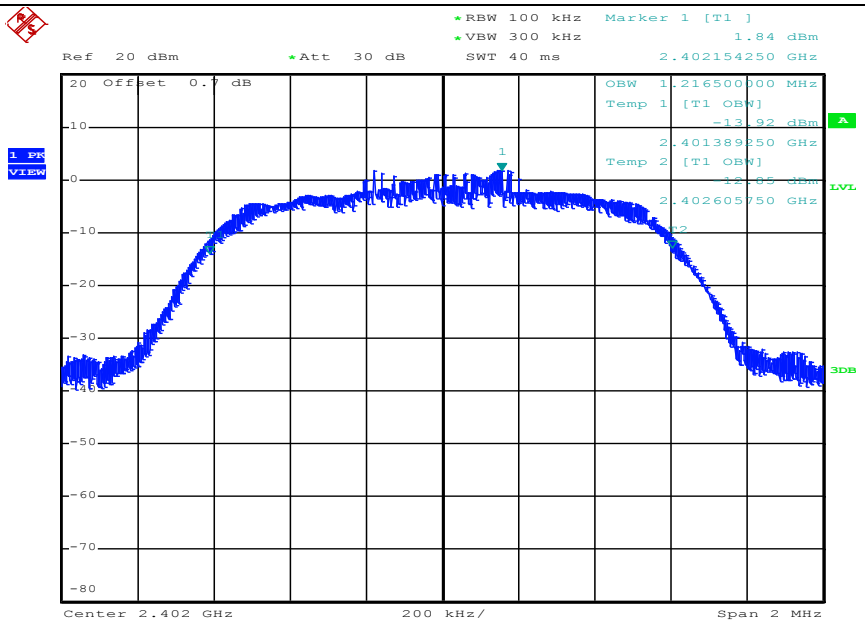
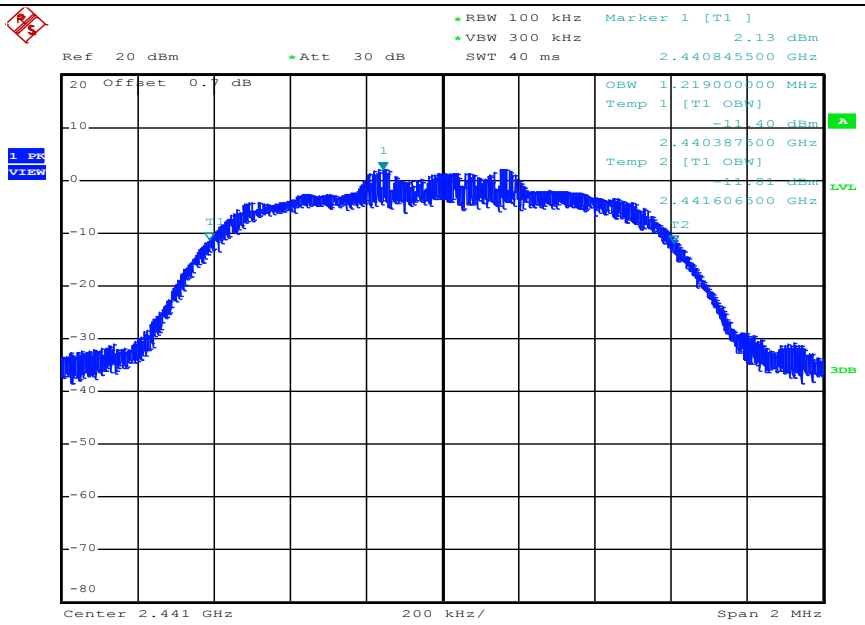
Test Graph

Graphs	
GFSK/LCH	

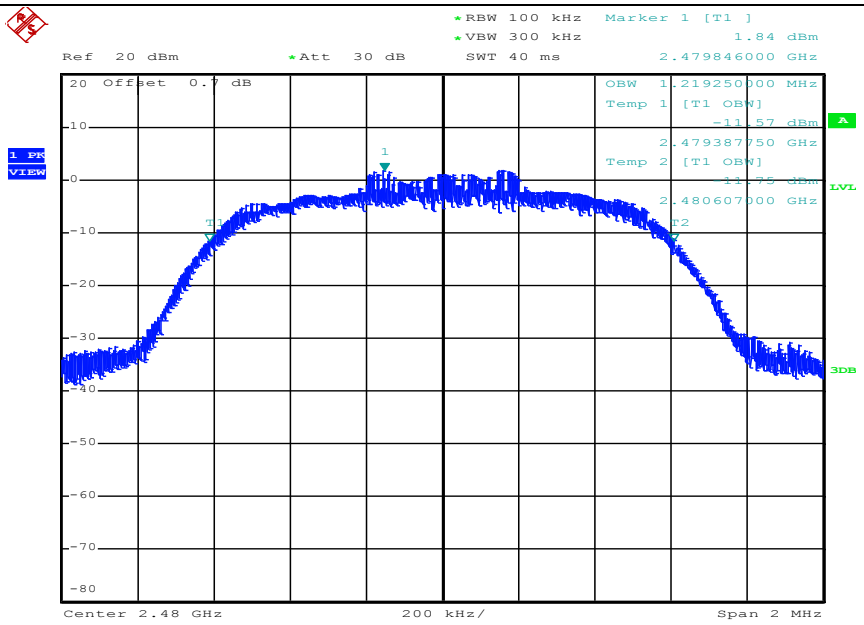
Date: 5.SEP.2017 07:46:22

GFSK/MCH	
GFSK/HCH	

Date: 5.SEP.2017 08:14:40

π/4DQPSK/LCH	
π/4DQPSK/MCH	

Date: 5.SEP.2017 08:22:00

π/4DQPSK/HCH	

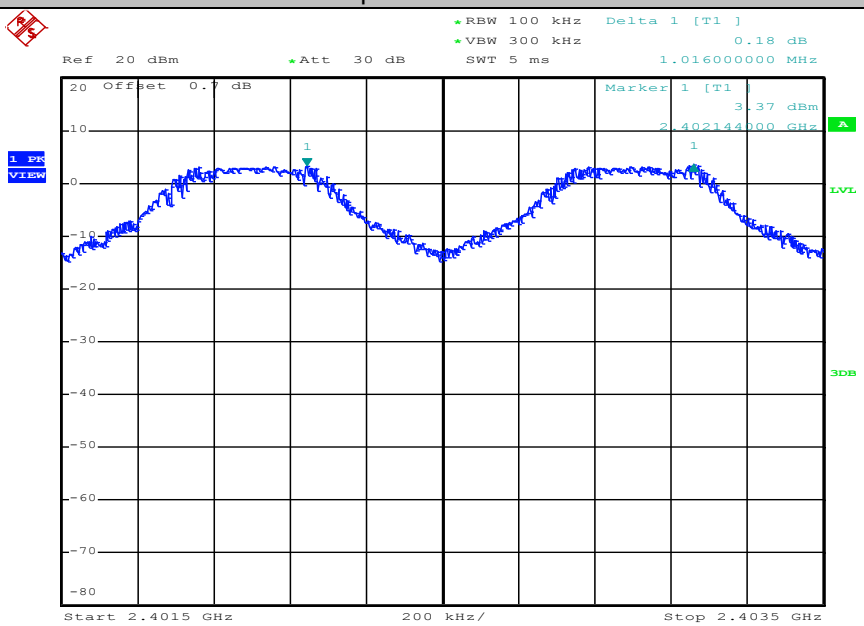
Date: 5.SEP.2017 08:24:49

Appendix C): Carrier Frequency Separation

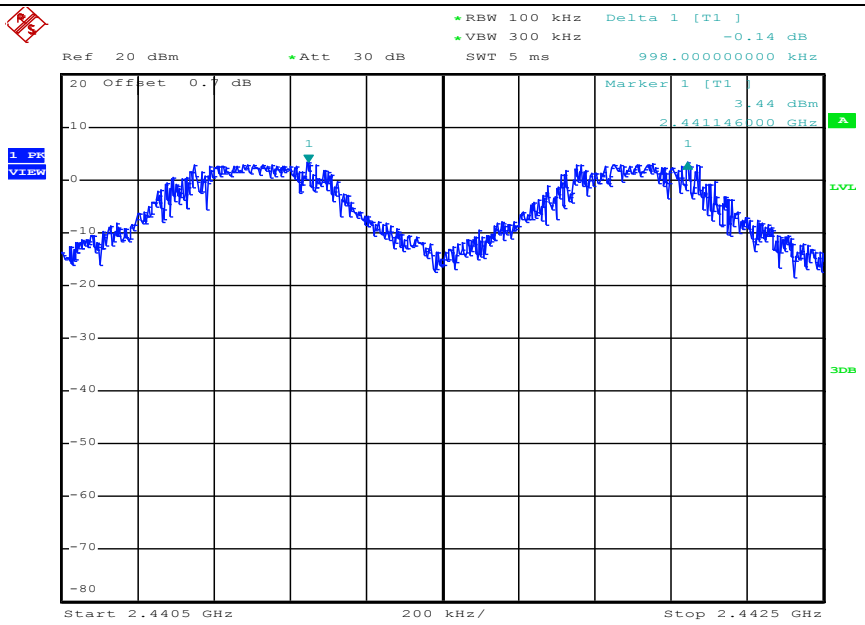
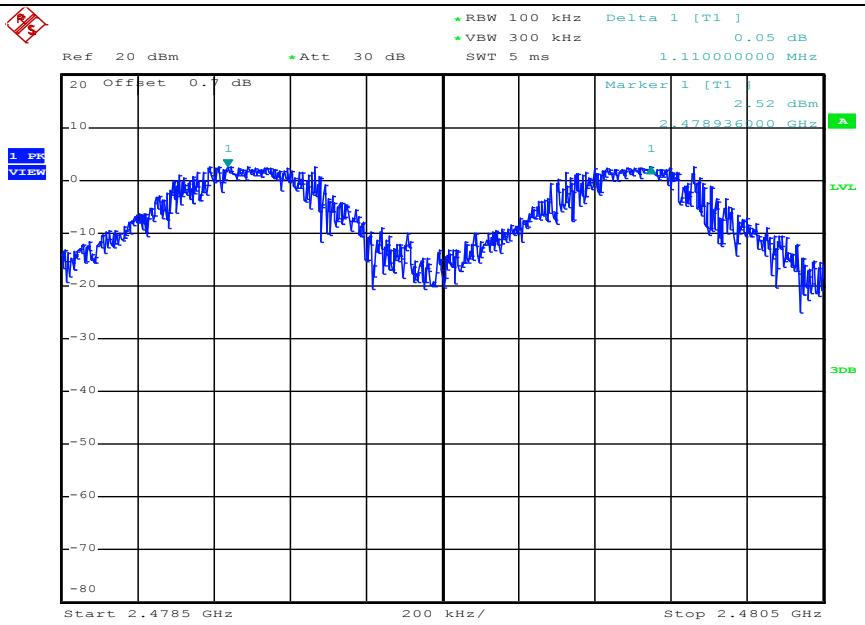
Result Table

Mode	Channel.	Carrier Frequency Separation [MHz]	Verdict
GFSK	LCH	1.016	PASS
GFSK	MCH	0.998	PASS
GFSK	HCH	1.110	PASS
π/4DQPSK	LCH	1.038	PASS
π/4DQPSK	MCH	1.158	PASS
π/4DQPSK	HCH	0.980	PASS

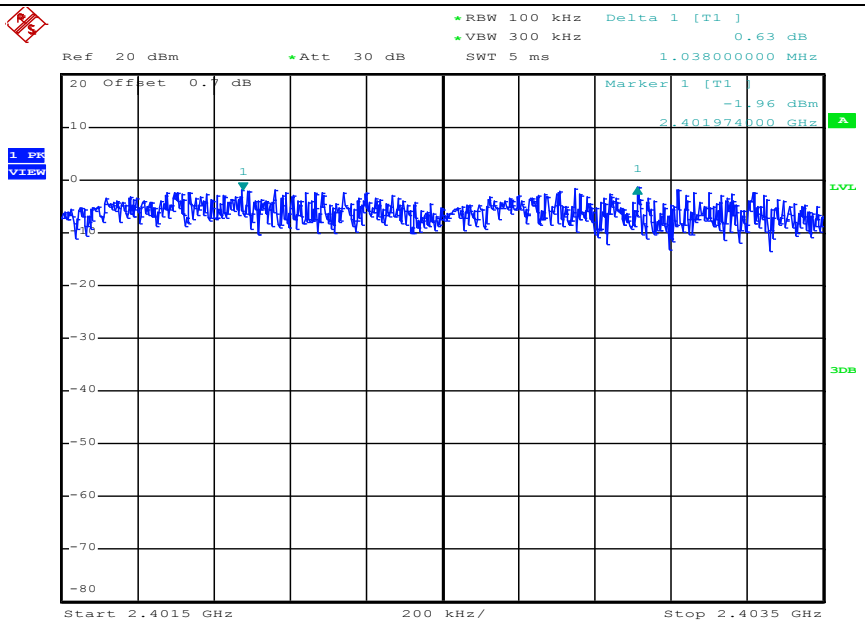
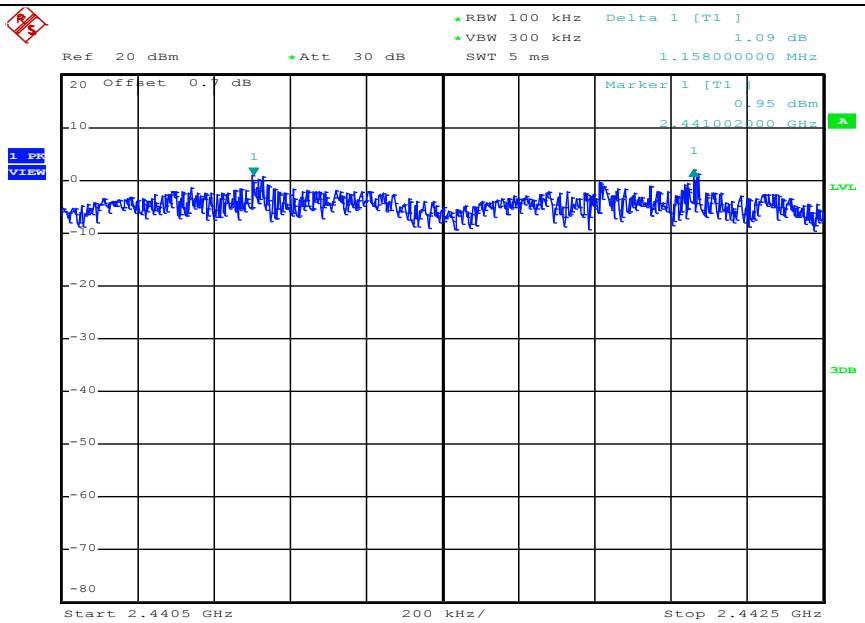
Test Graph

Graphs	
GFSK/LCH	

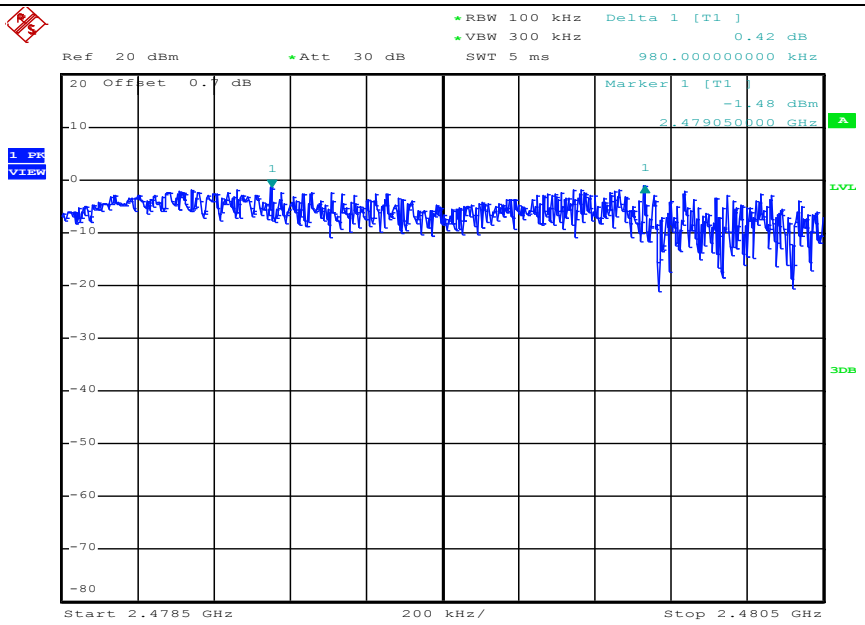
Date: 5.SEP.2017 08:30:35

GFSK/MCH	
GFSK/HCH	

Date: 5.SEP.2017 08:37:14

π/4DQPSK/LCH	
π/4DQPSK/MCH	

Date: 5.SEP.2017 08:41:39

π/4DQPSK/HCH	

Date: 5.SEP.2017 08:42:07

Appendix D): Dwell Time

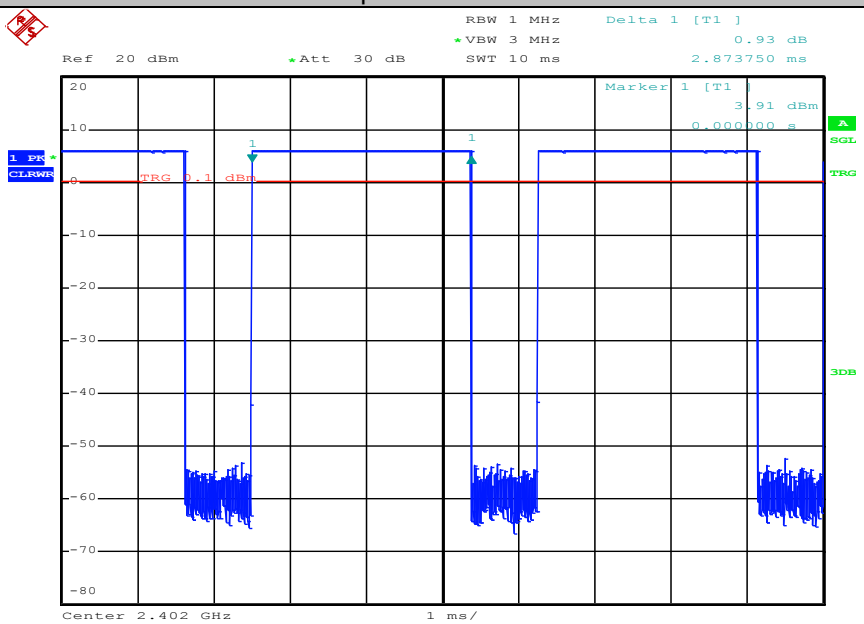
Result Table

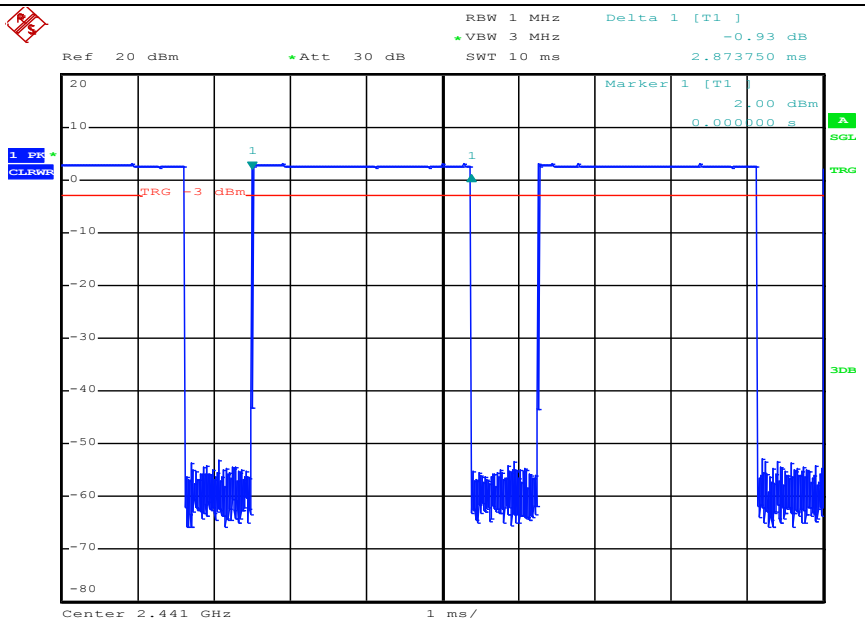
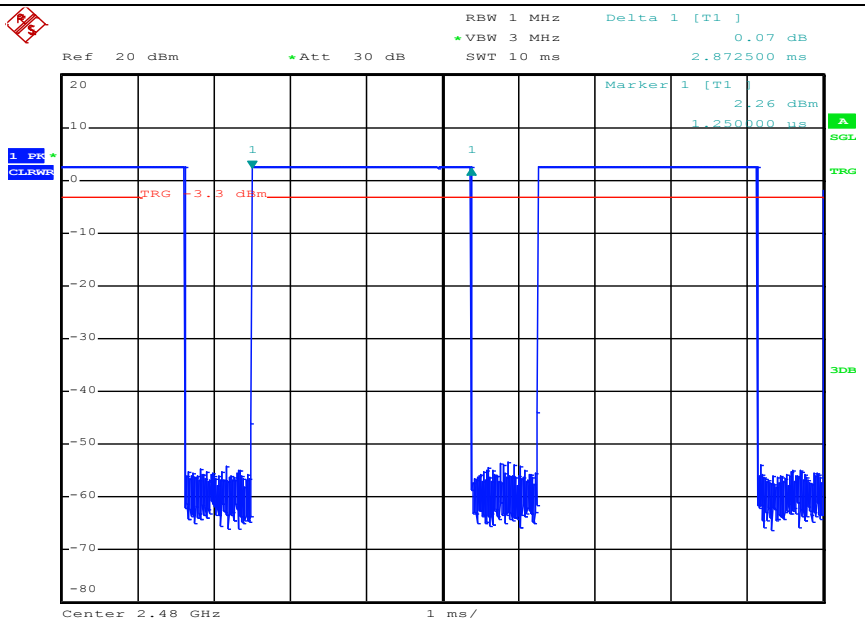
The Dwell Time=Burst Width*Total Hops. The detailed calculations are showed as follows:

- The duration for dwell time calculation:0.4[s]*hopping number=0.4[s]*79[ch]=31.6[s*ch];
- The burst width [ms/hop/ch], which is directly measured, refers to the duration on one channel hop.
- The hops per second for all channels: The selected EUT Conf uses a slot type of 5-Tx&1-Rx and a hopping rate of 1600 [ch*hop/s] for all channels. So the final hopping rate for all channels is 1600/6=266.67 [ch*hop/s]
- The hops per second on one channel: 266.67 [ch*hops/s]/79 [ch]=3.38 [hop/s];
- The total hops for all channels within the dwell time calculation duration:3.38 [hop/s]*31.6[s*ch]=106.67 [hop*ch];
- The dwell time for all channels hopping: 106.67 [hop*ch]*Burst Width [ms/hop/ch].

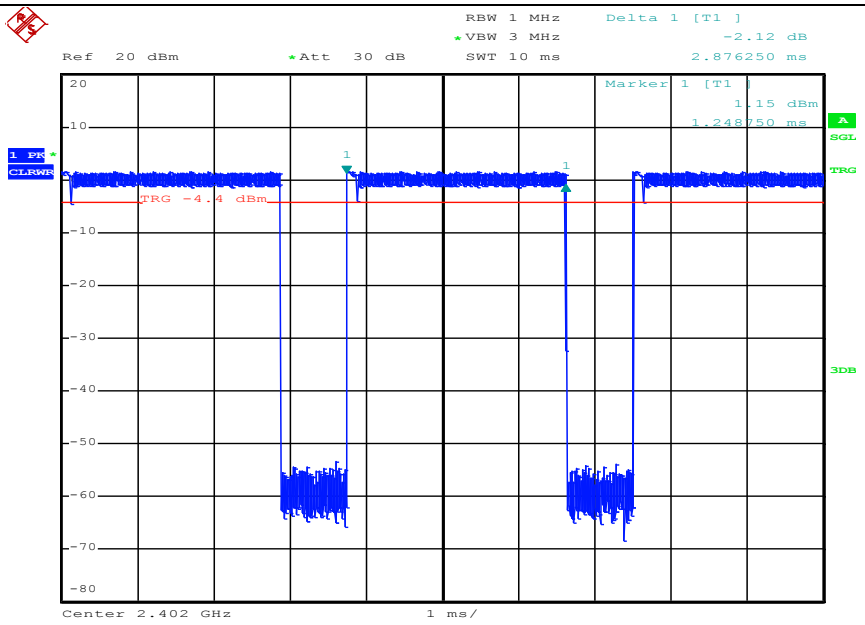
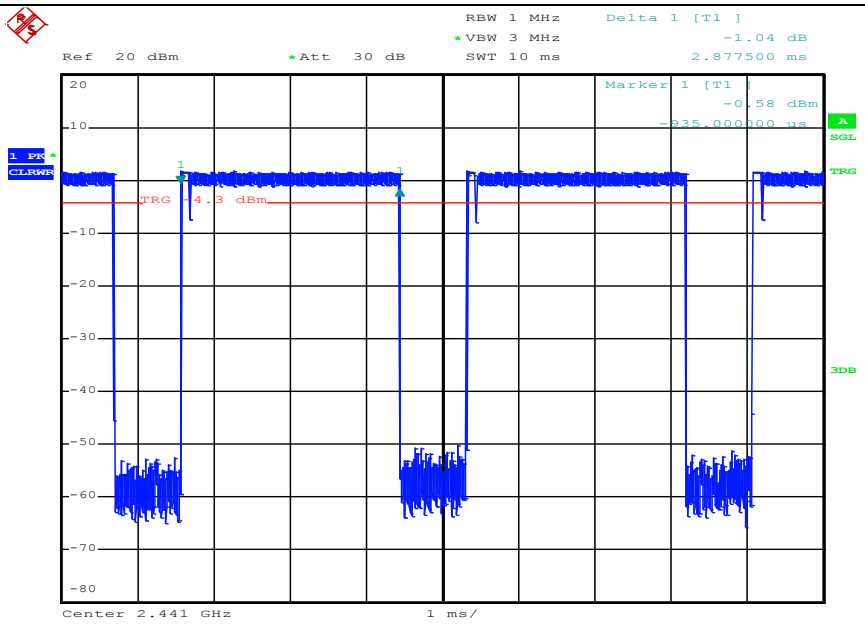
Mode	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Duty Cycle [%]	Verdict
GFSK	LCH	2.87	106.7	0.306	0.00	PASS
GFSK	MCH	2.87	106.7	0.306	0.00	PASS
GFSK	HCH	2.87	106.7	0.306	0.00	PASS
π/4DQPSK	LCH	2.88	106.7	0.307	0.00	PASS
π/4DQPSK	MCH	2.88	106.7	0.307	0.00	PASS
π/4DQPSK	HCH	2.88	106.7	0.307	0.00	PASS

Test Graph

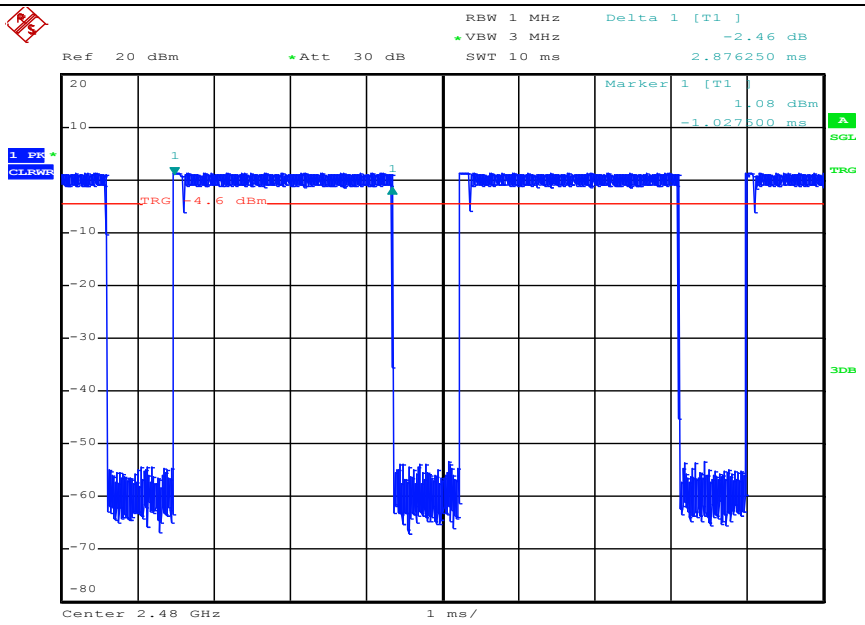
Graphs	
GFSK/LCH	

GFSK/MCH	
GFSK/HCH	

Date: 5.SEP.2017 08:15:01

π/4DQPSK/LCH	
π/4DQPSK/MCH	

Date: 5.SEP.2017 08:22:20

π/4DQPSK/HCH	

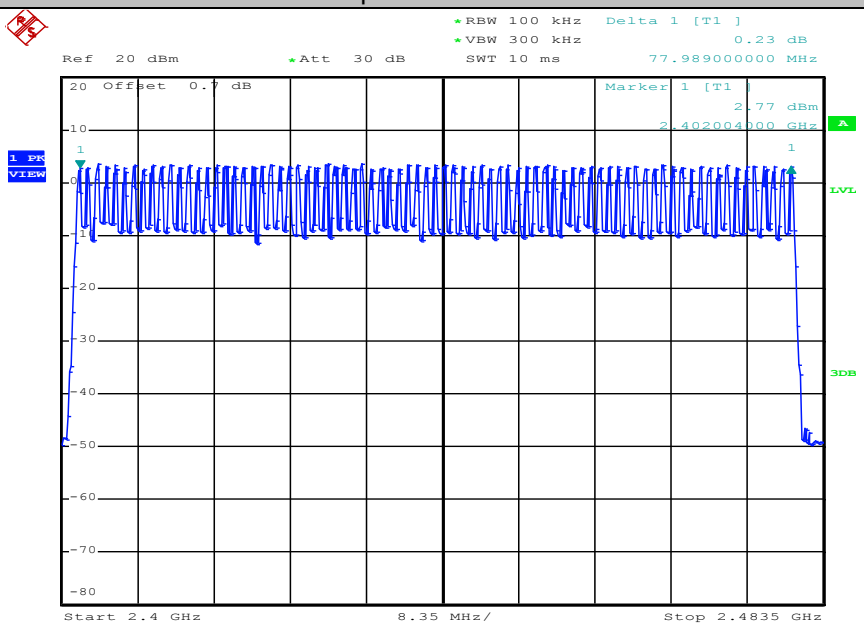
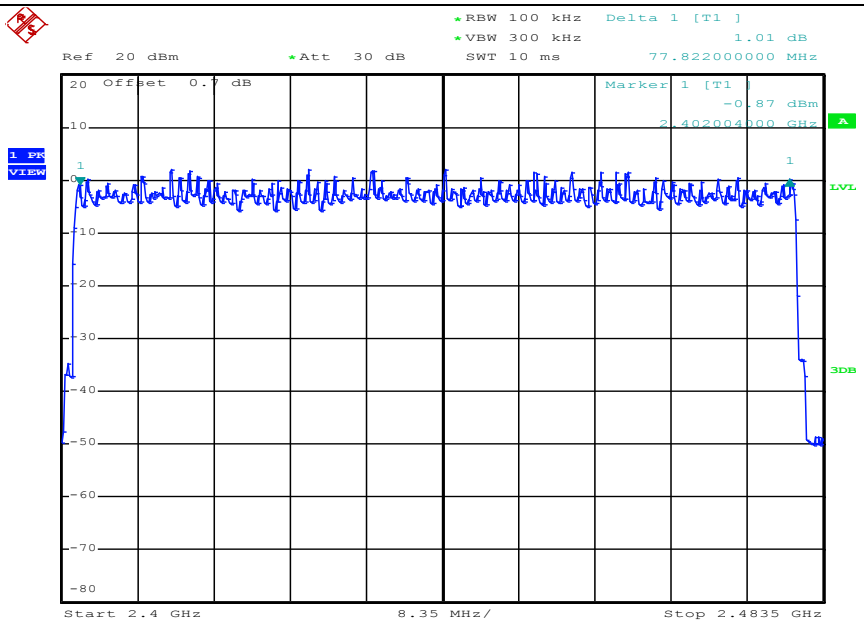
Date: 5.SEP.2017 08:25:09

Appendix E): Hopping Channel Number

Result Table

Mode	Channel.	Number of Hopping Channel	Verdict
GFSK	Hop	79	PASS
π/4DQPSK	Hop	79	PASS

Test Graph

Graphs	
GFSK/Hop	
π/4DQPSK/Hop	

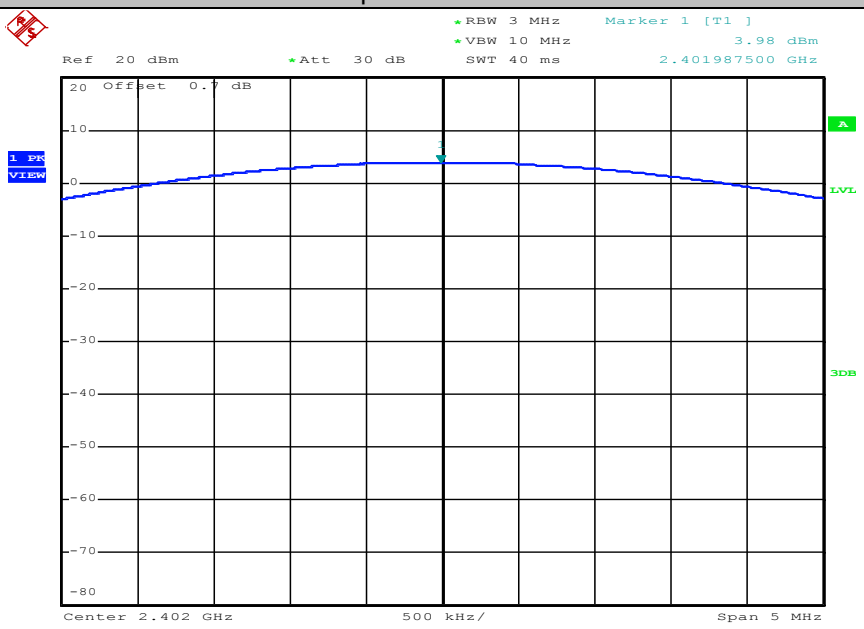
Date: 5.SEP.2017 08:39:03

Appendix F): Conducted Peak Output Power

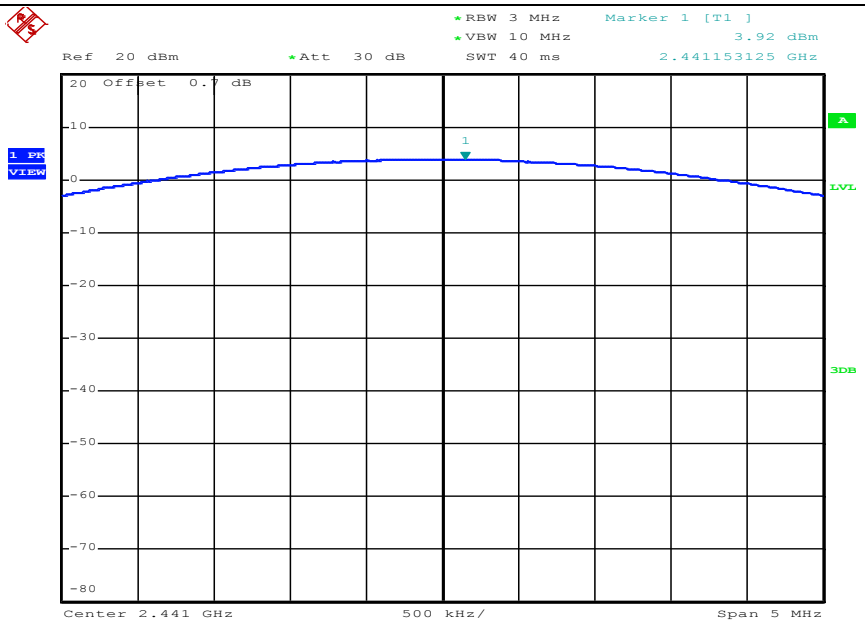
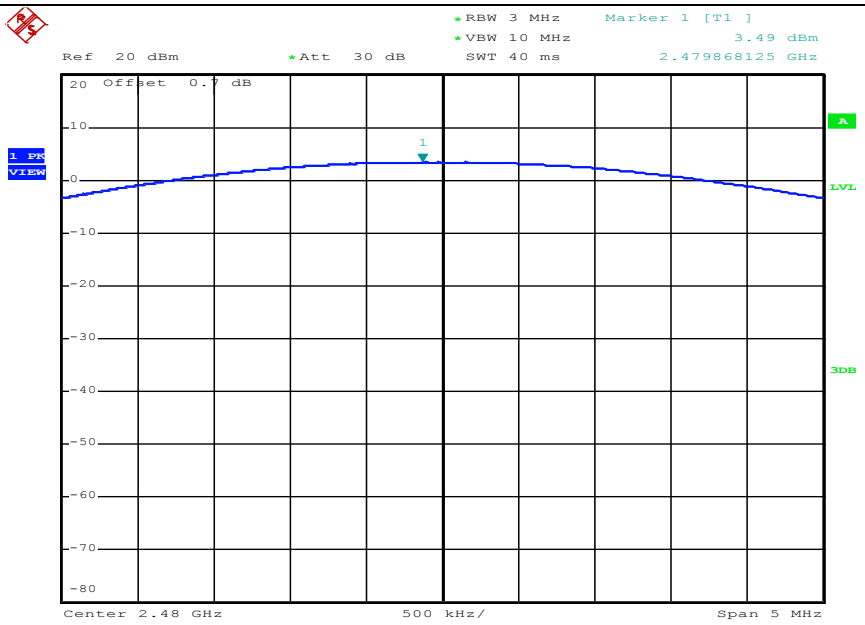
Result Table

Mode	Channel.	Maximum Peak Output Power [dBm]	Verdict
GFSK	LCH	3.980	PASS
GFSK	MCH	3.920	PASS
GFSK	HCH	3.490	PASS
π/4DQPSK	LCH	2.940	PASS
π/4DQPSK	MCH	3.060	PASS
π/4DQPSK	HCH	2.730	PASS

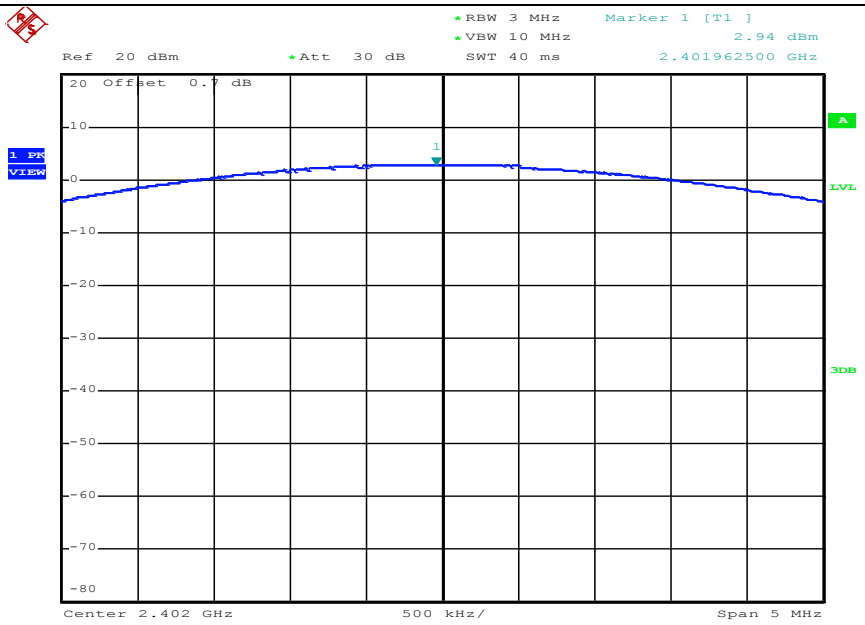
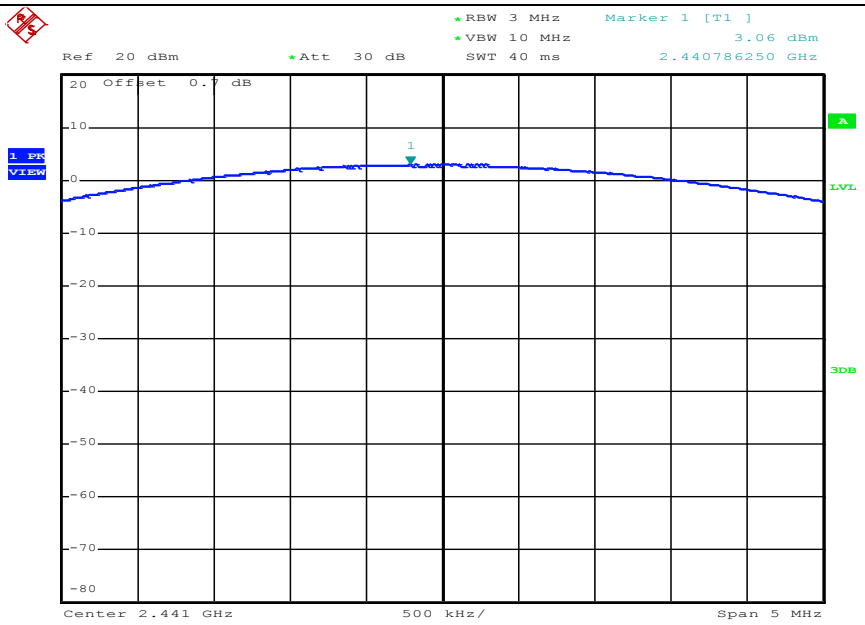
Test Graph

Graphs	
GFSK/LCH	

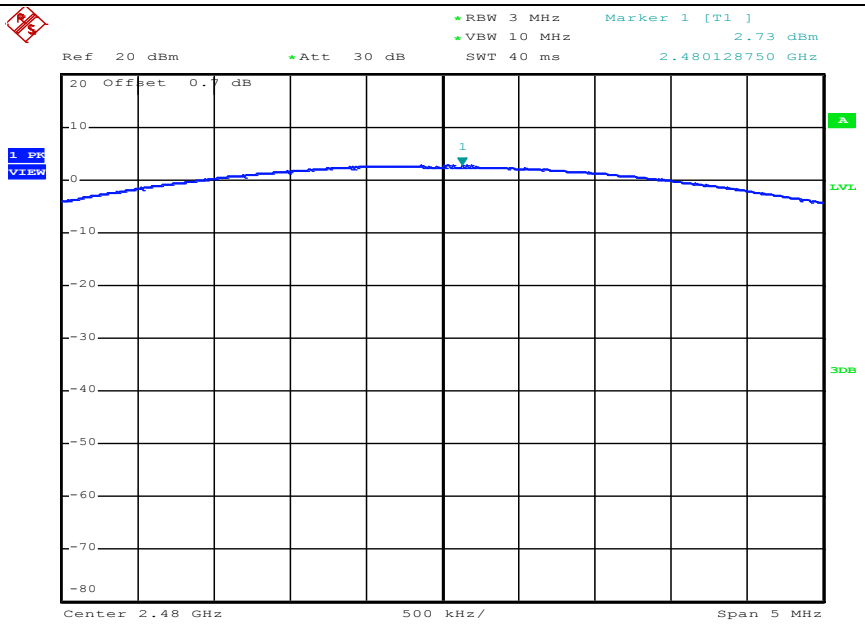
Date: 5.SEP.2017 07:55:35

GFSK/MCH	
GFSK/HCH	

Date: 5.SEP.2017 08:15:16

π/4DQPSK/LCH	
π/4DQPSK/MCH	

Date: 5.SEP.2017 08:22:35

π/4DQPSK/HCH	

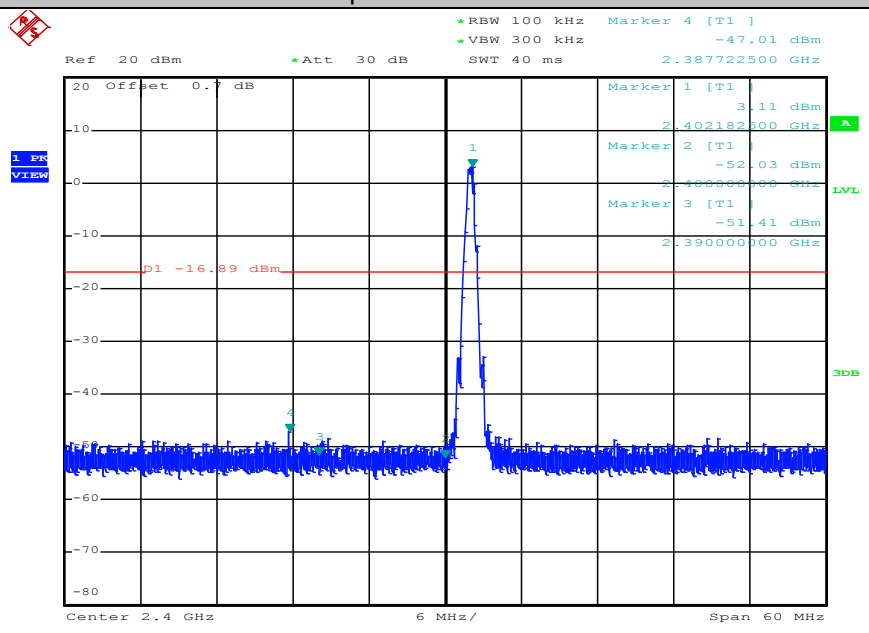
Date: 5.SEP.2017 08:25:24

Appendix G): Band-edge for RF Conducted Emissions

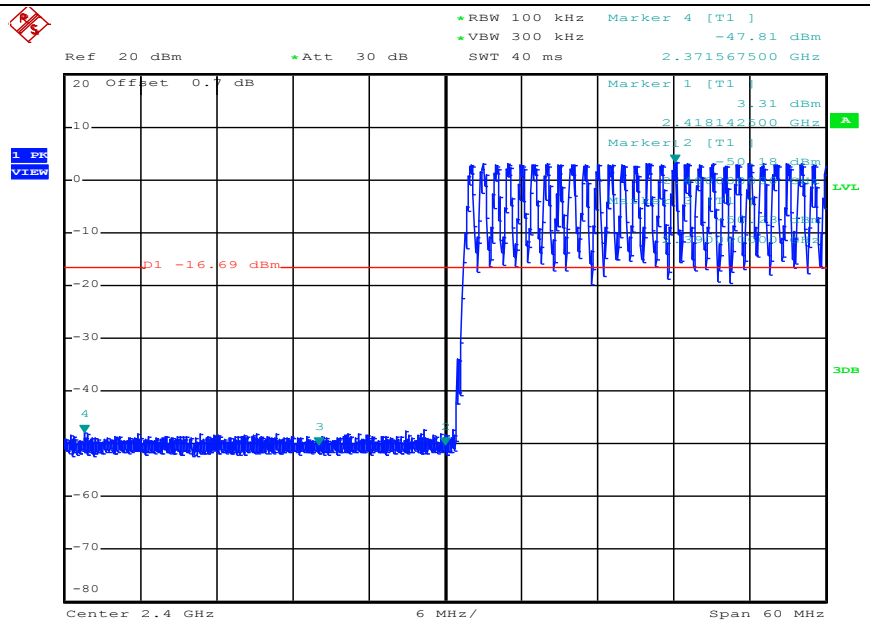
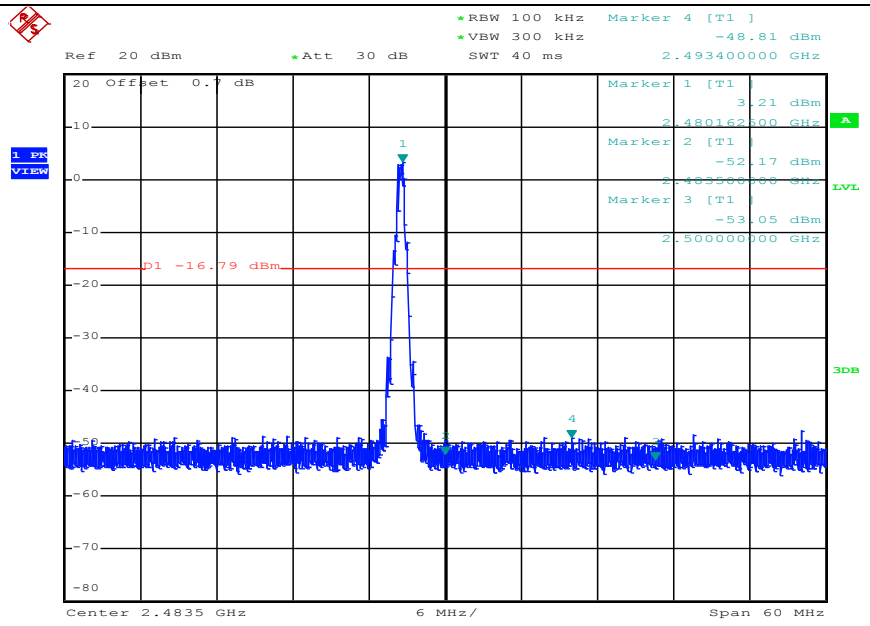
Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	3.110	Off	-47.014	-16.89	PASS
			3.310	On	-47.811	-16.69	PASS
GFSK	HCH	2480	3.210	Off	-48.811	-16.79	PASS
			2.890	On	-47.839	-17.11	PASS
π/4DQPSK	LCH	2402	2.000	Off	-47.999	-18	PASS
			2.020	On	-46.623	-17.98	PASS
π/4DQPSK	HCH	2480	1.430	Off	-48.943	-18.57	PASS
			1.930	On	-46.956	-18.07	PASS

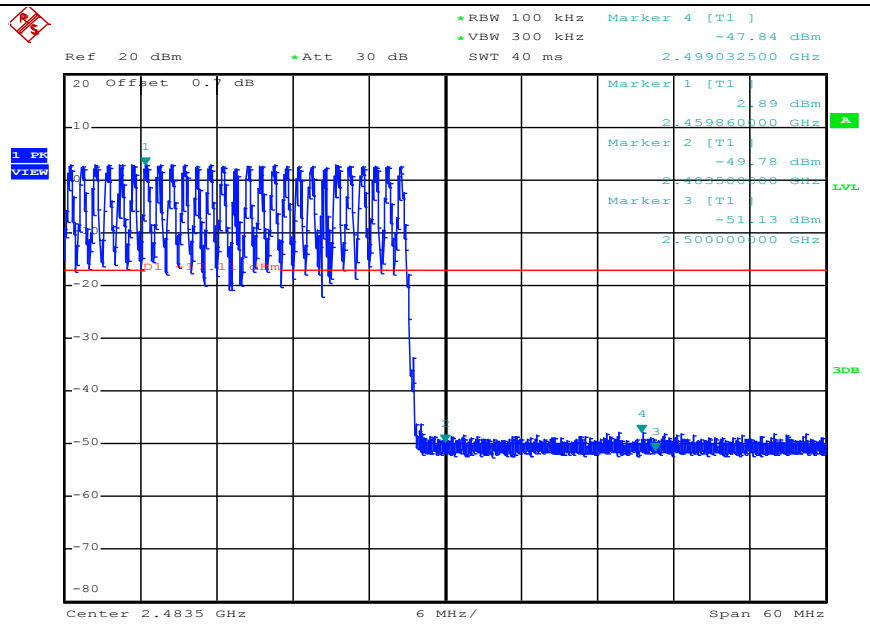
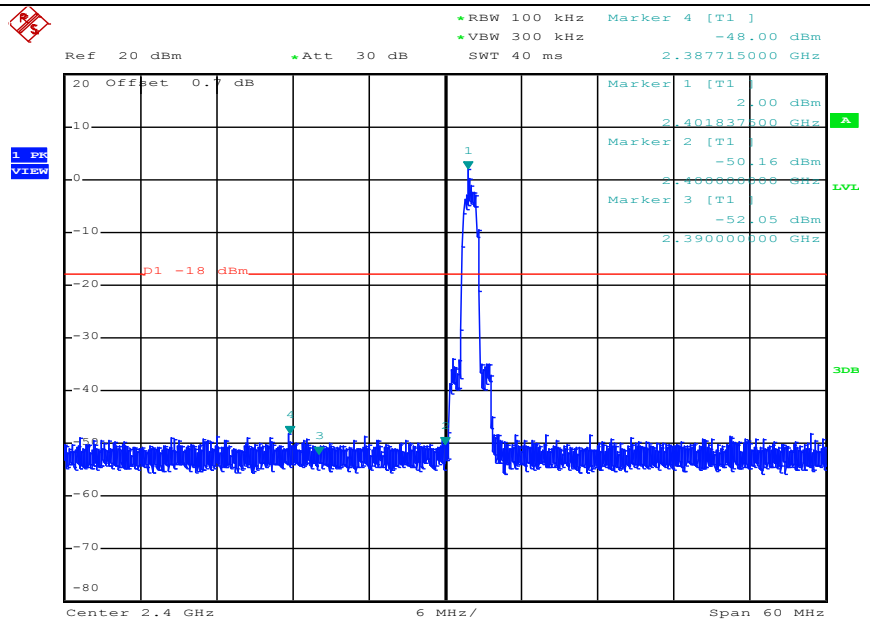
Test Graph

Graphs	
GFSK/LCH/No Hop	

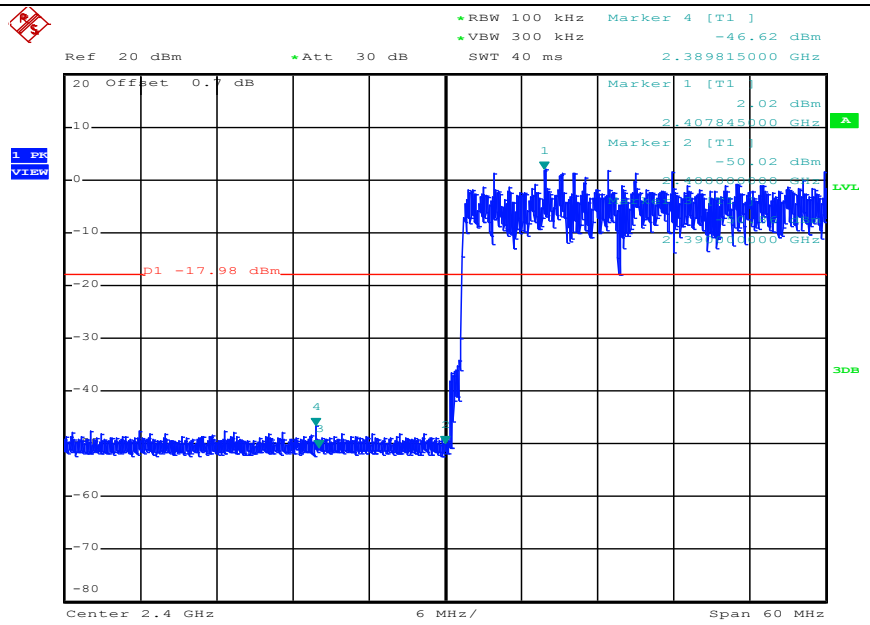
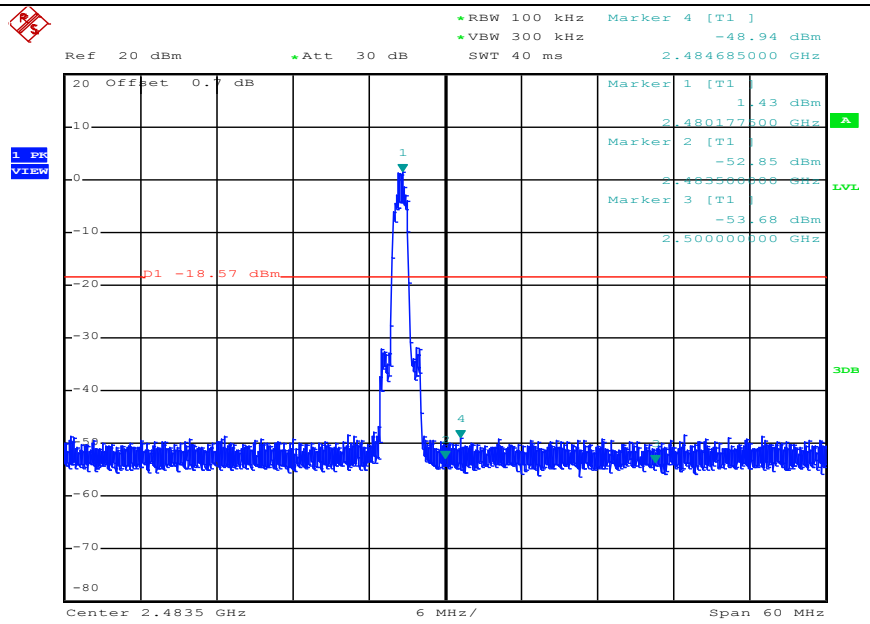
Date: 5.SEP.2017 07:55:51

GFSK/LCH/Hop	
GFSK/HCH/No Hop	

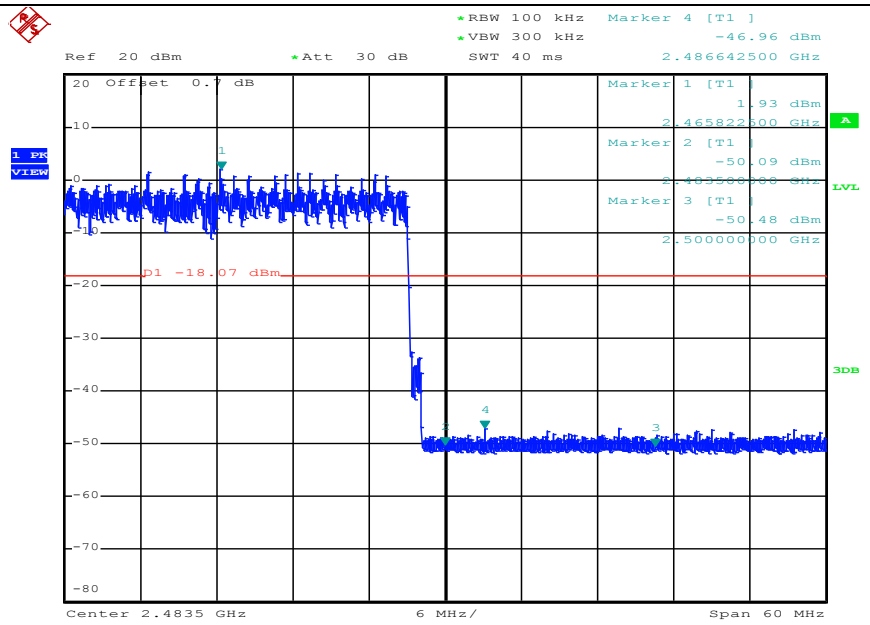
Date: 5.SEP.2017 08:15:33

GFSK/HCH/Hop	
π/4DQPSK/LCH/No Hop	

Date: 5.SEP.2017 08:19:35

π/4DQPSK/LCH/Hop	
π/4DQPSK/HCH/No Hop	

Date: 5.SEP.2017 08:25:41

π/4DQPSK/HCH/Hop	

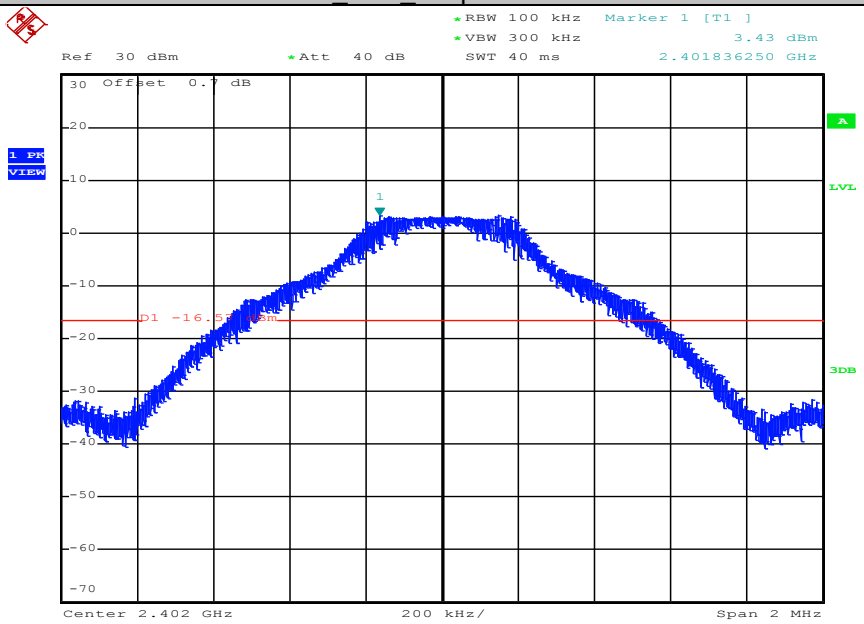
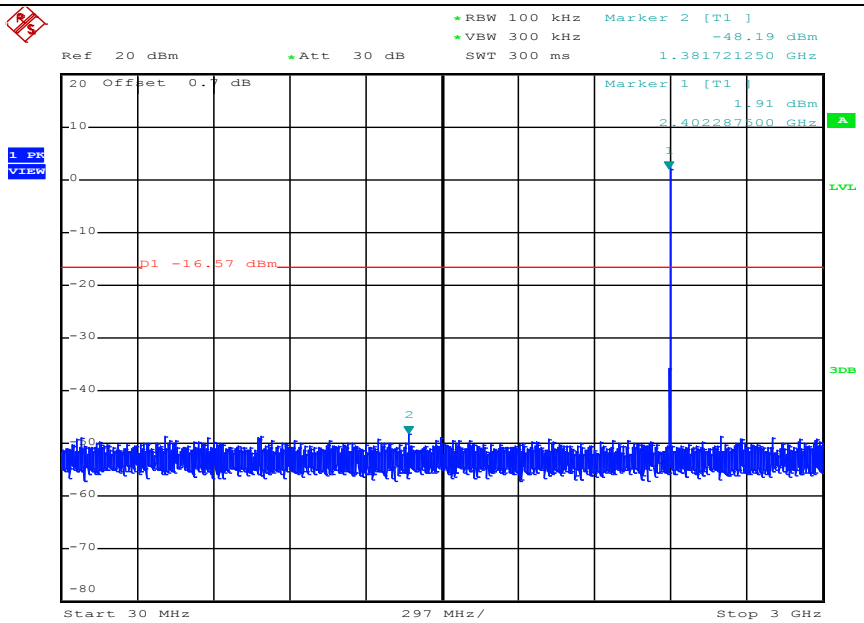
Date: 5.SEP.2017 08:46:28

Appendix H): RF Conducted Spurious Emissions

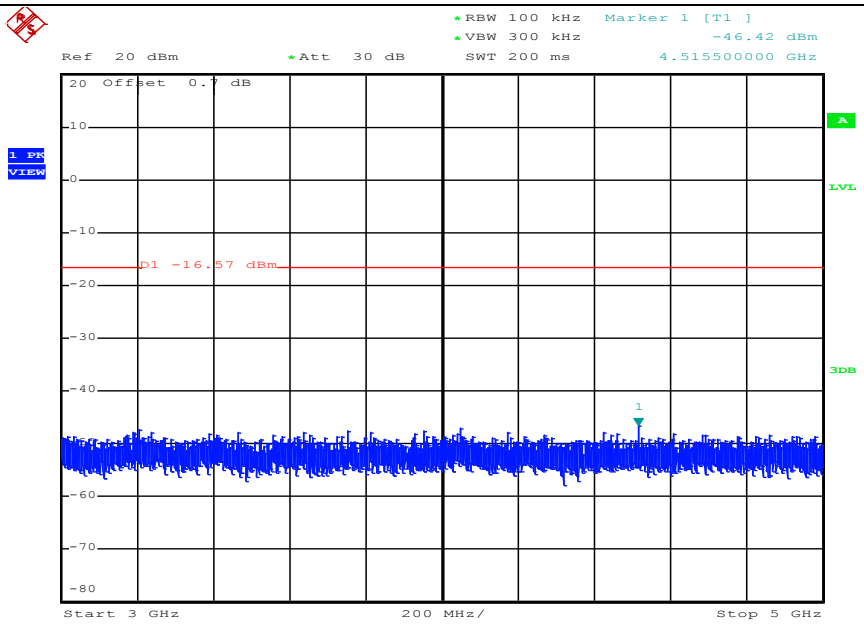
Result Table

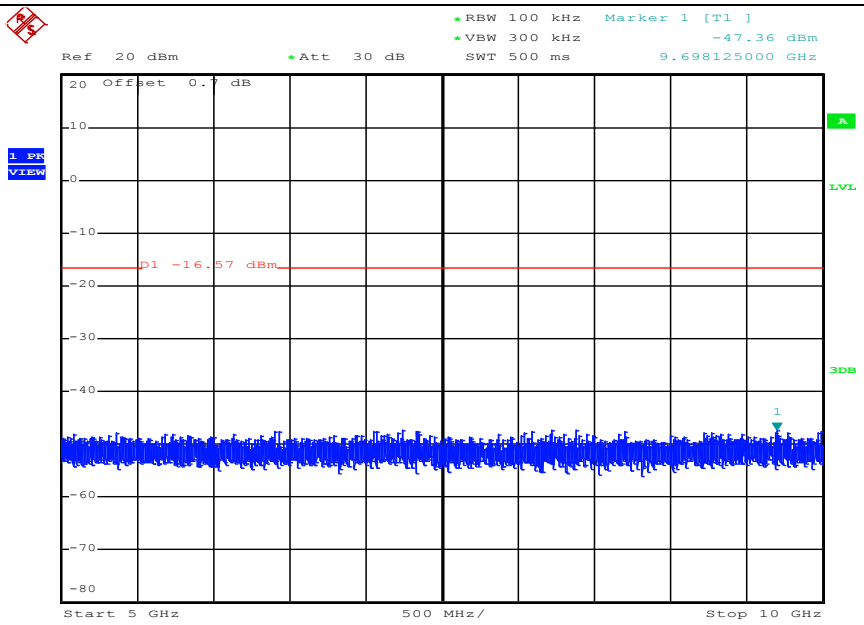
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	3.43	<Limit	PASS
GFSK	MCH	3.56	<Limit	PASS
GFSK	HCH	3.23	<Limit	PASS
π/4DQPSK	LCH	1.83	<Limit	PASS
π/4DQPSK	MCH	2.18	<Limit	PASS
π/4DQPSK	HCH	1.88	<Limit	PASS

Test Graph

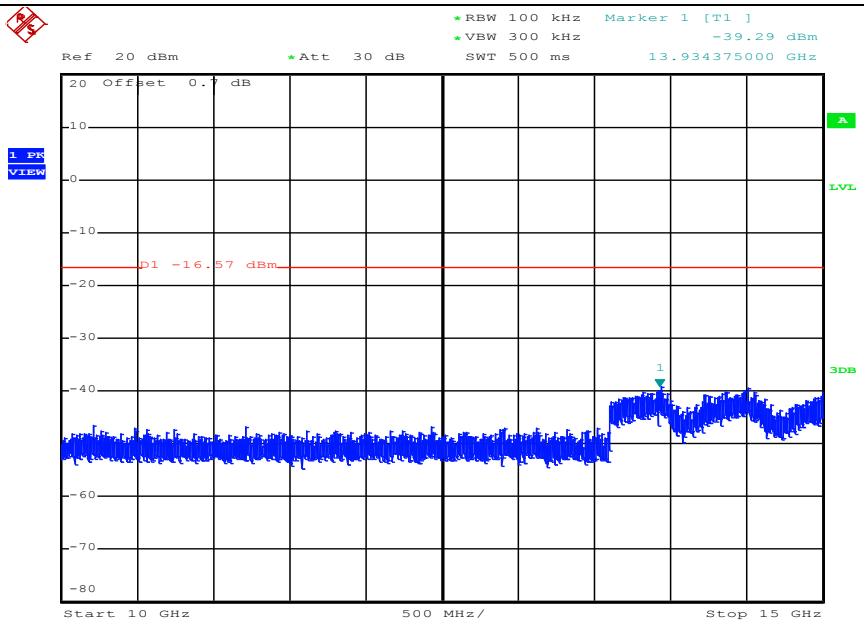
GFSK_LCH_Graphs	
Pref	
Puw	

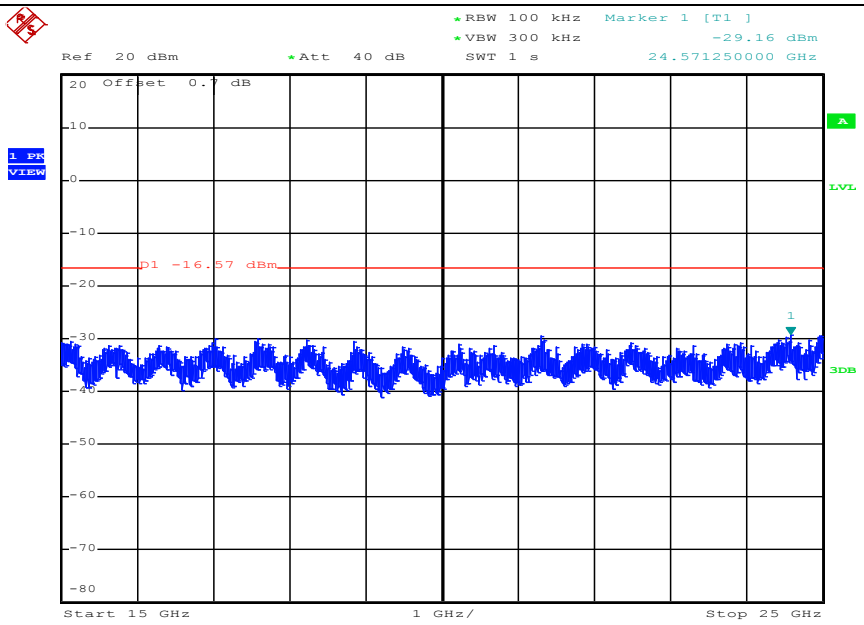
Date: 5.SEP.2017 08:09:28





Date: 5.SEP.2017 08:09:51





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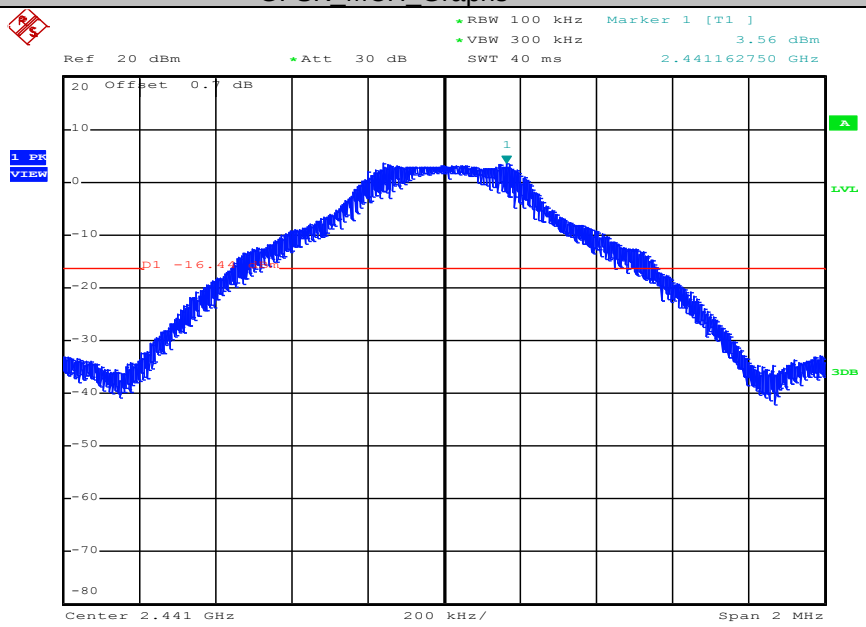
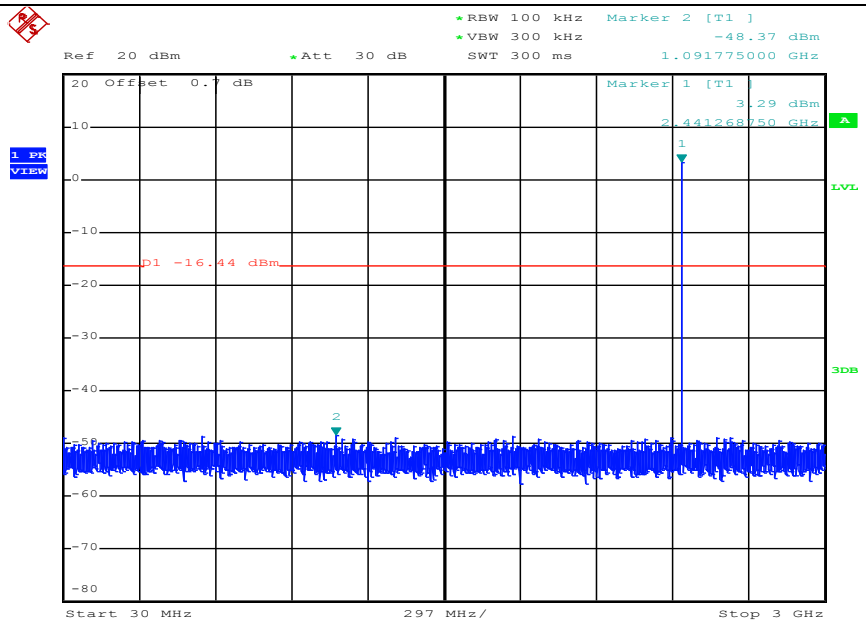
Pref	
Puw	

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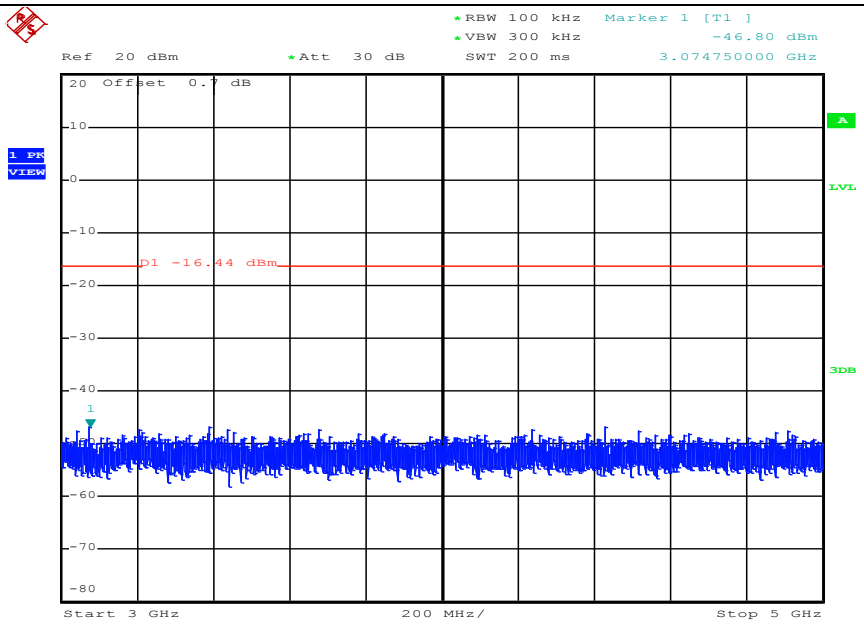

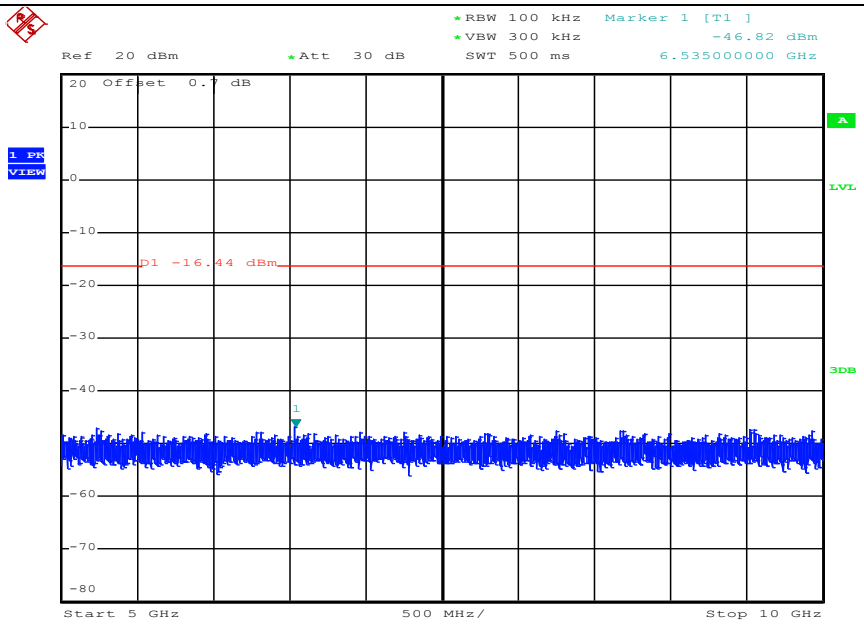

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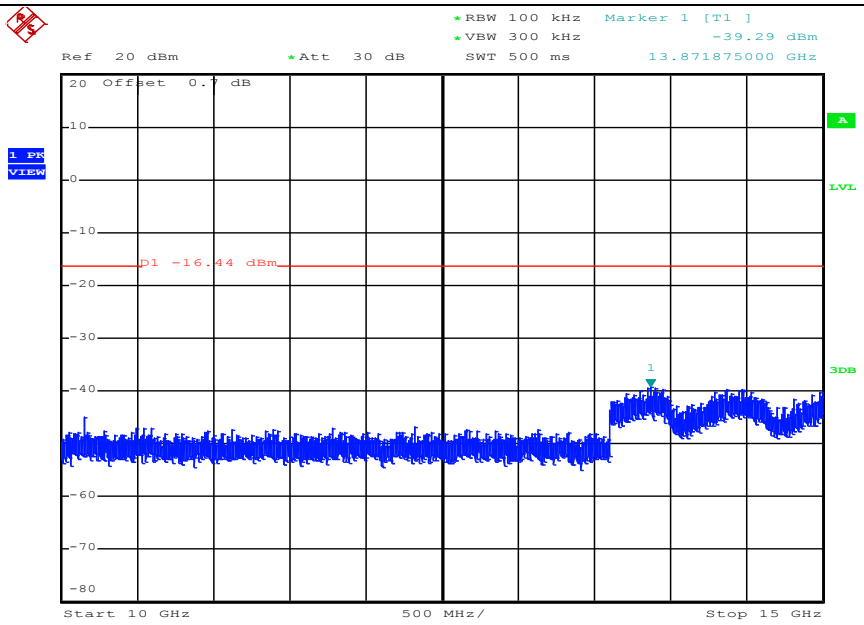

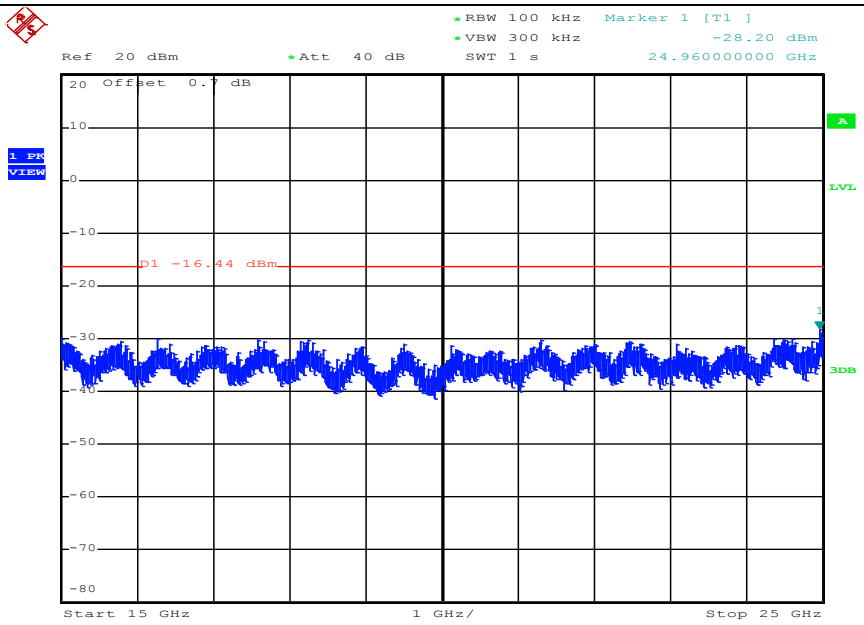

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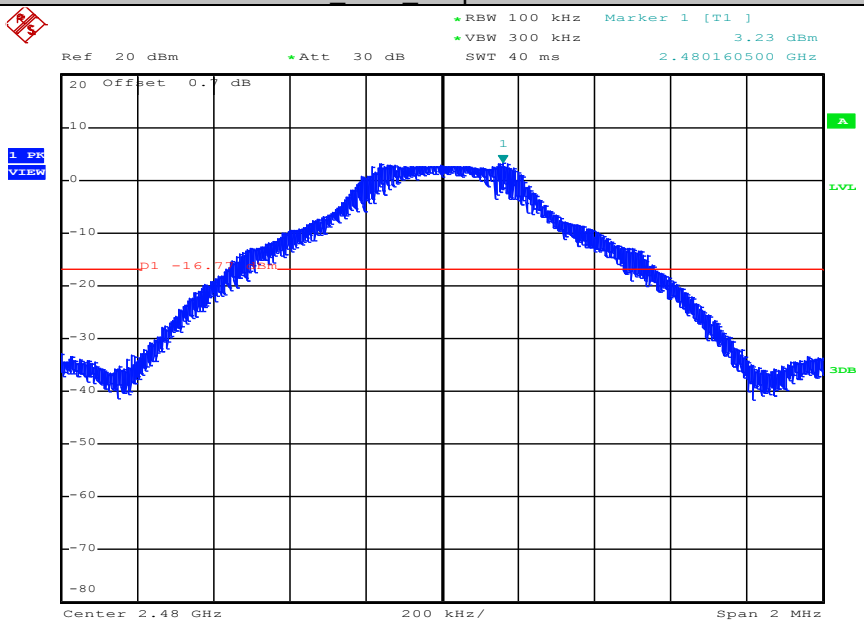
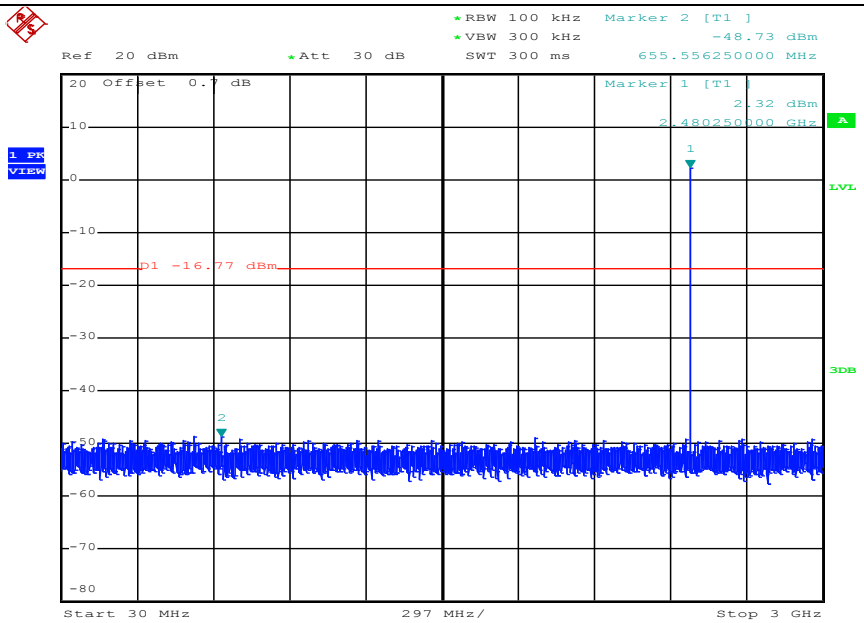
Pref	
Puw	

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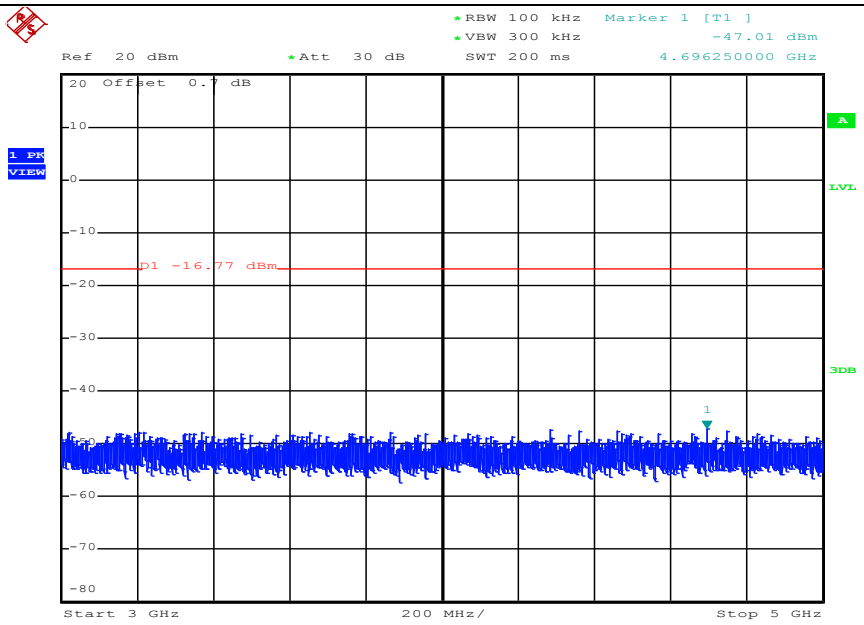

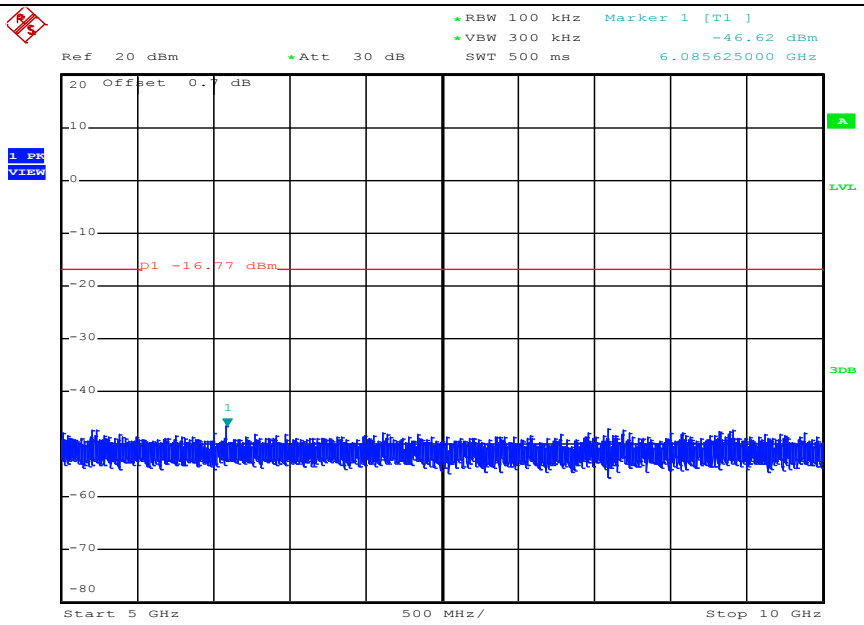

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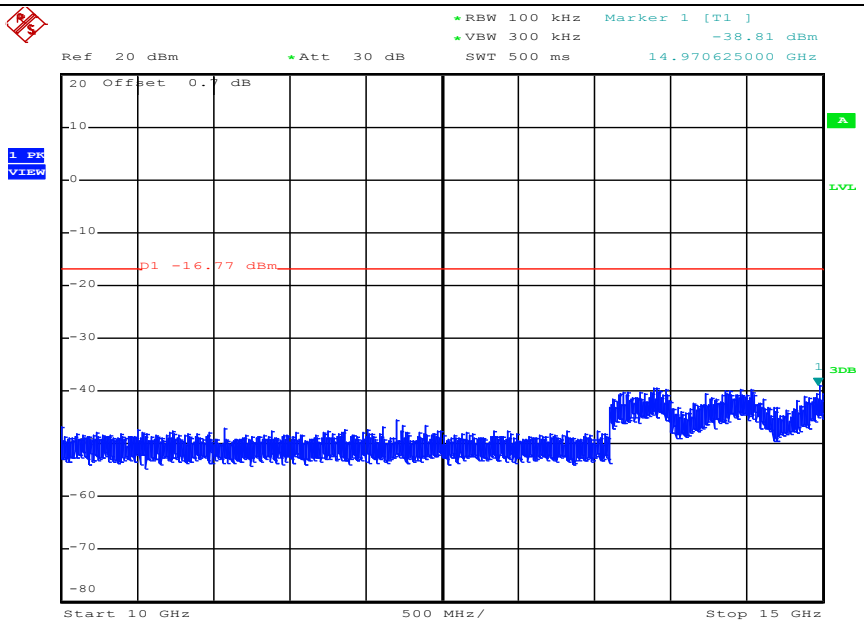

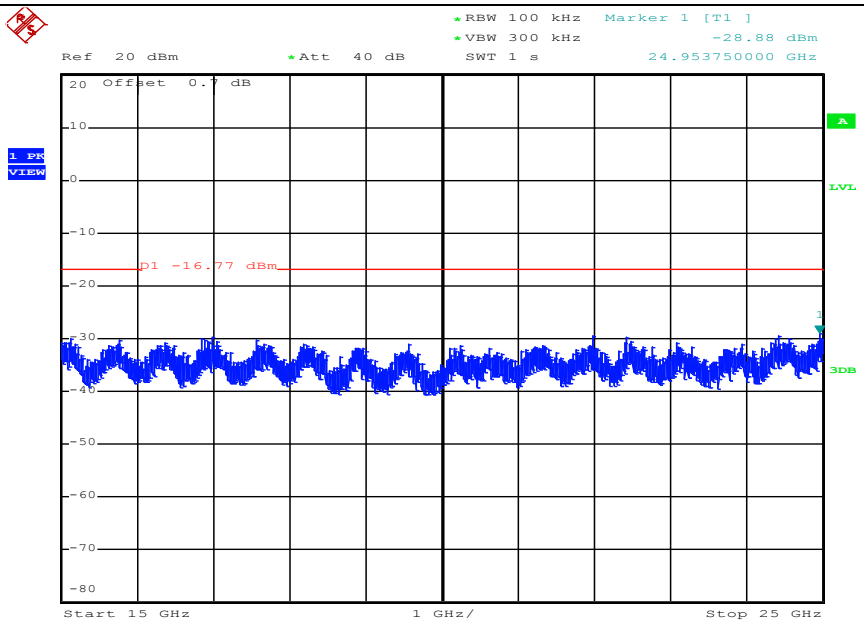

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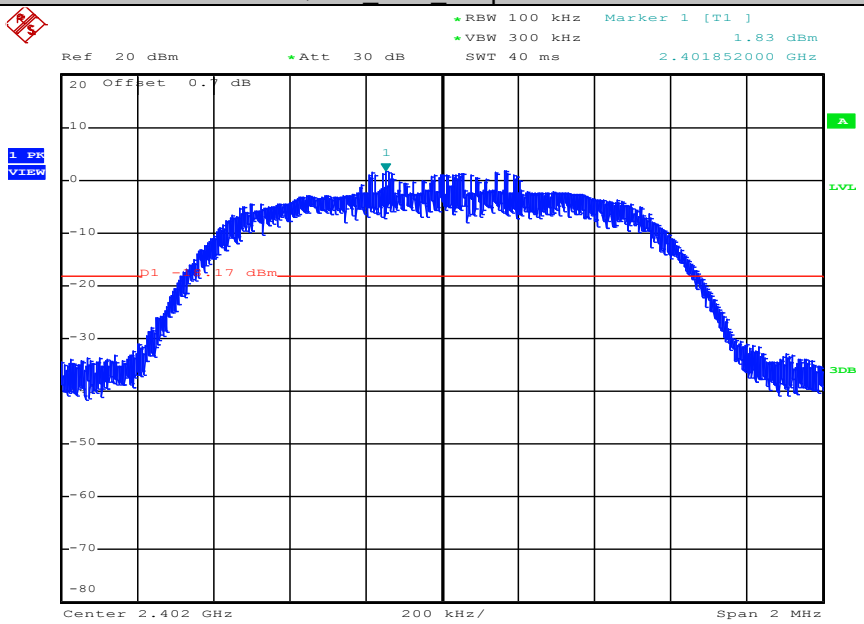
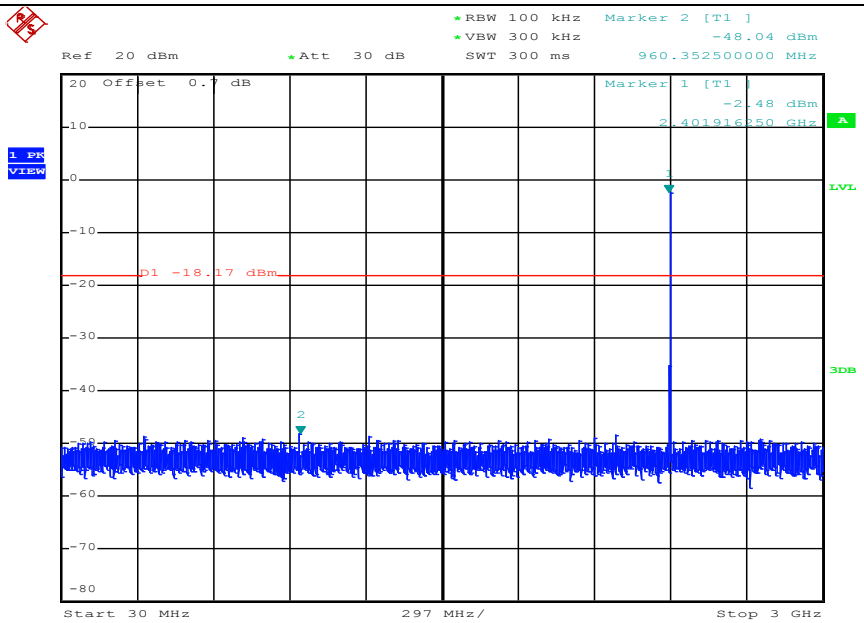
Pref	
Puw	

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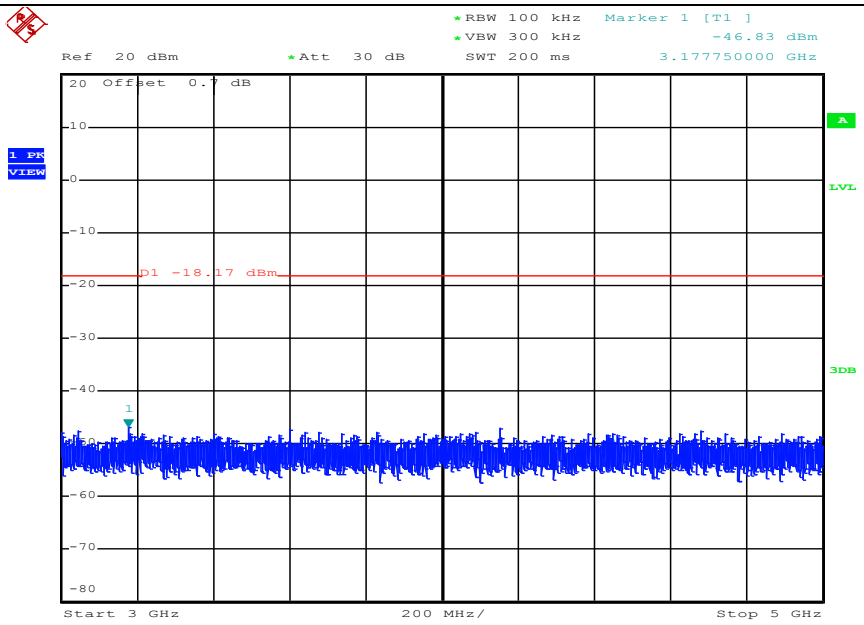

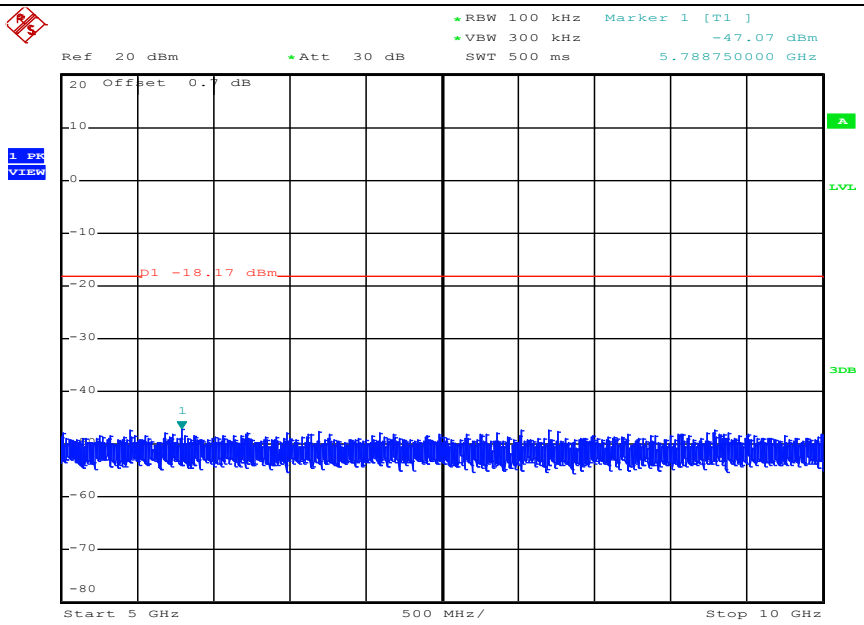

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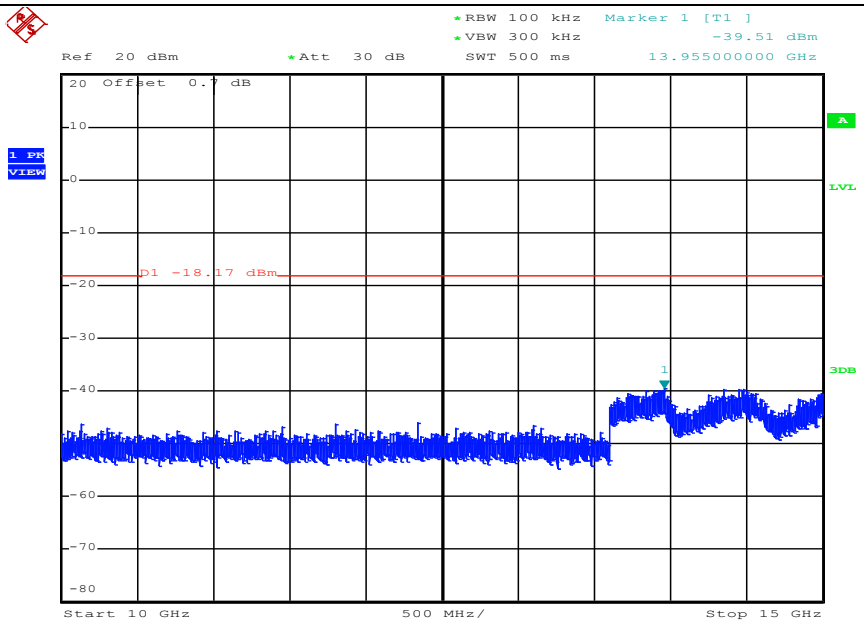

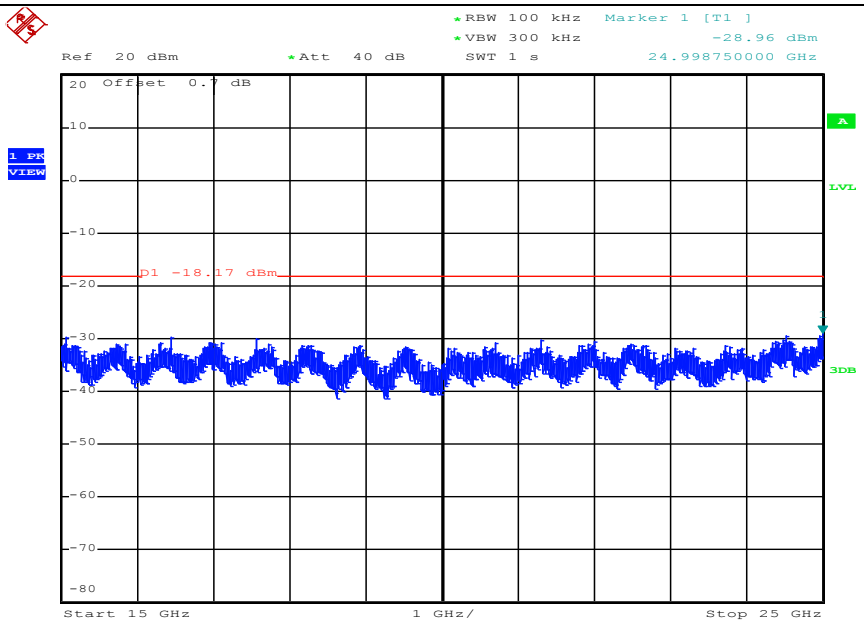

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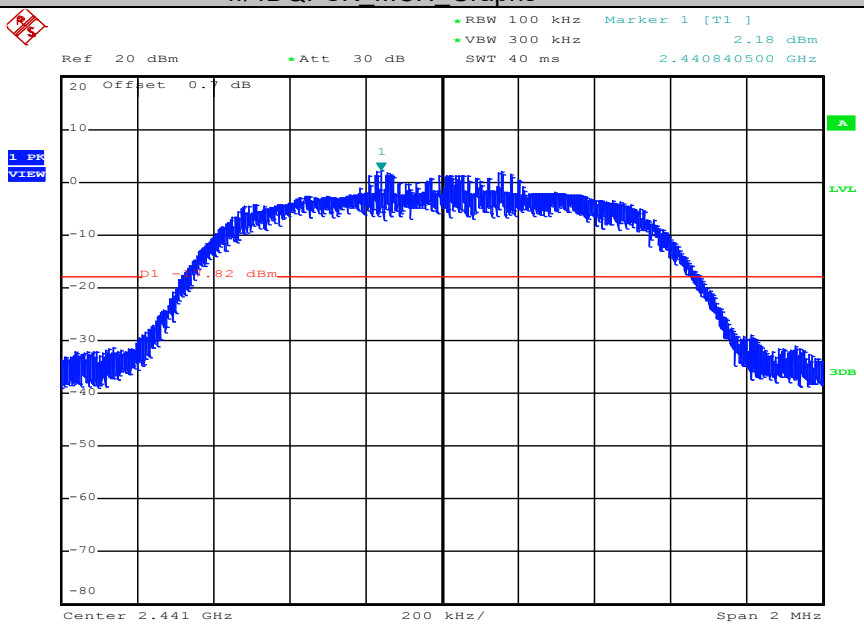
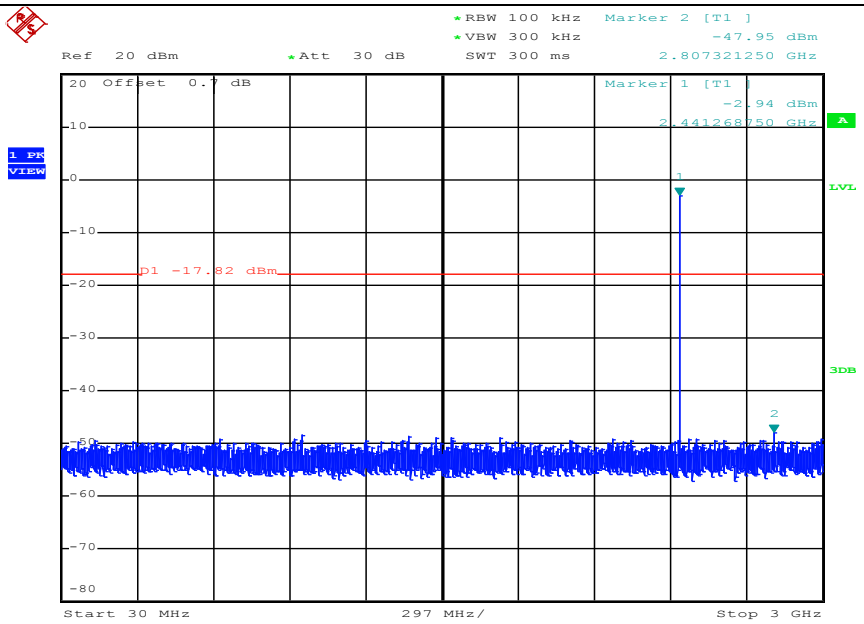
Pref	
Puw	

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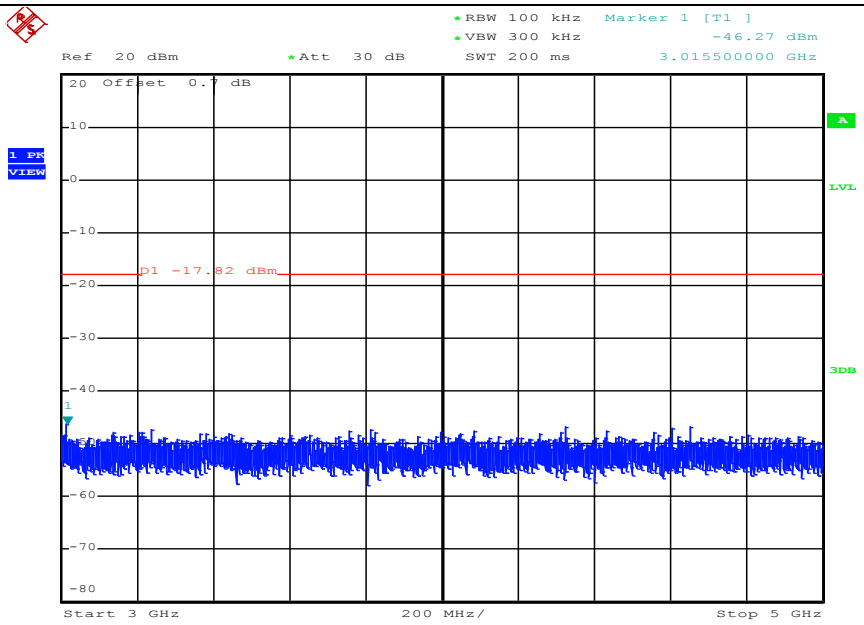

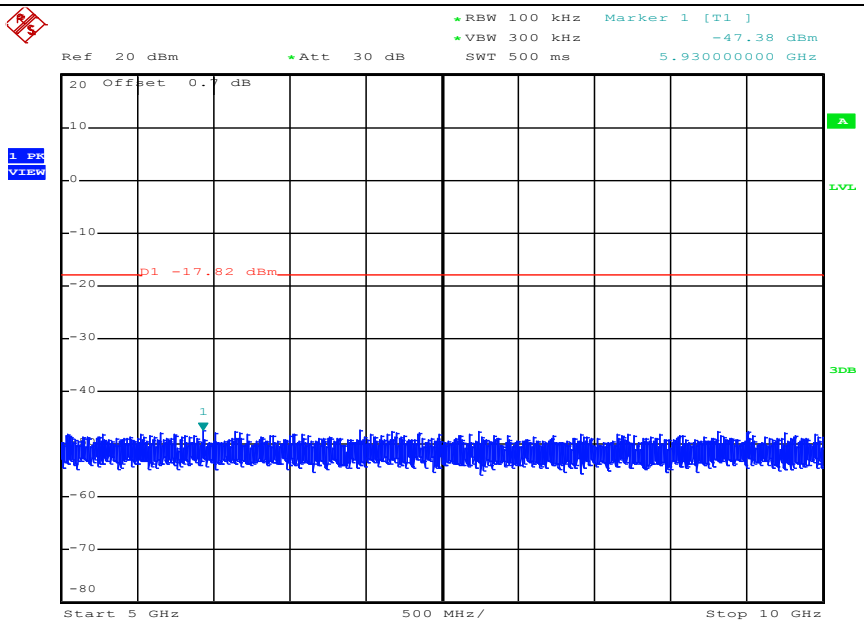

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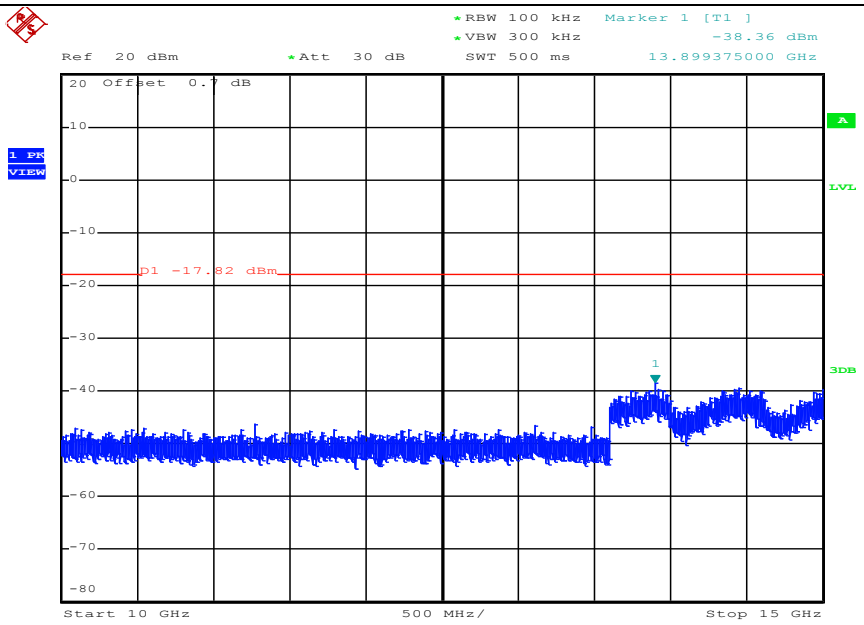

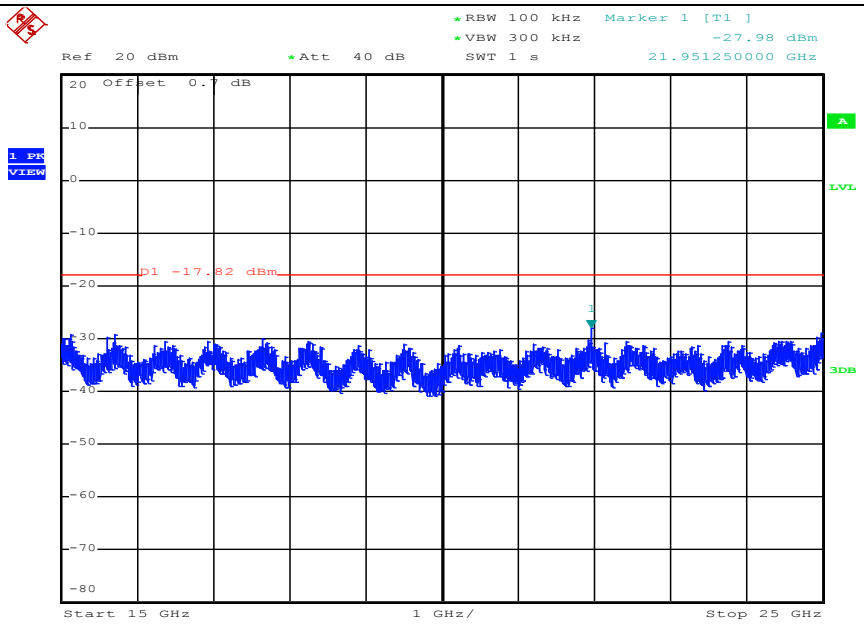

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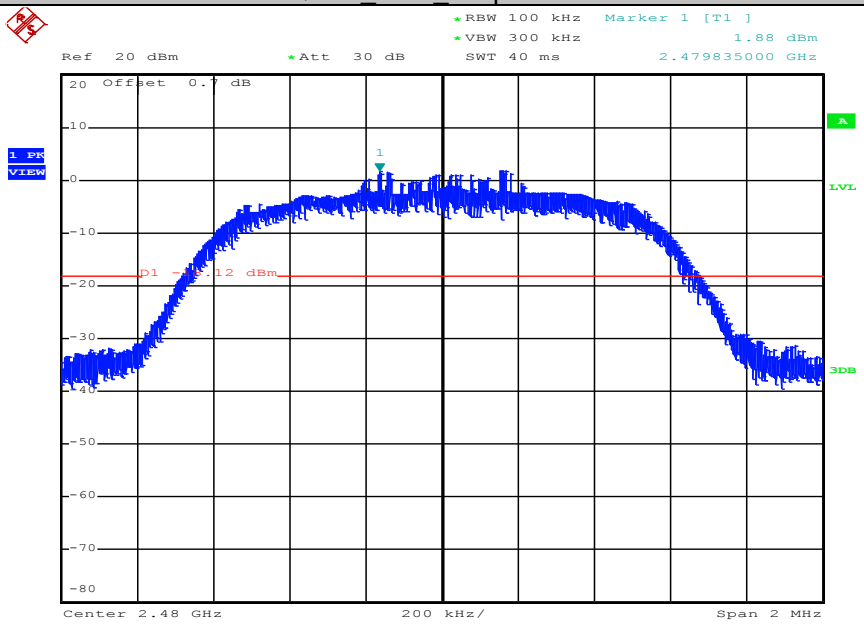
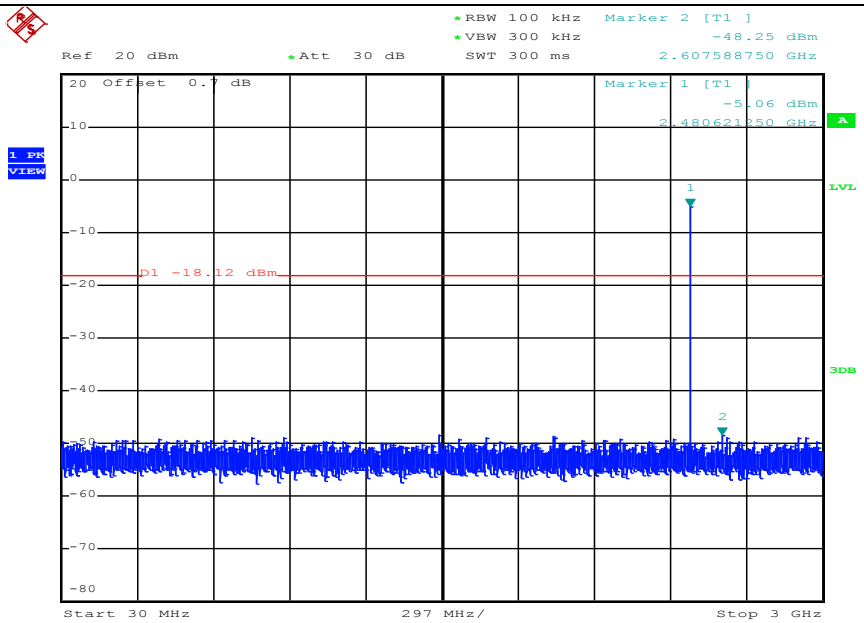
Pref	
Puw	

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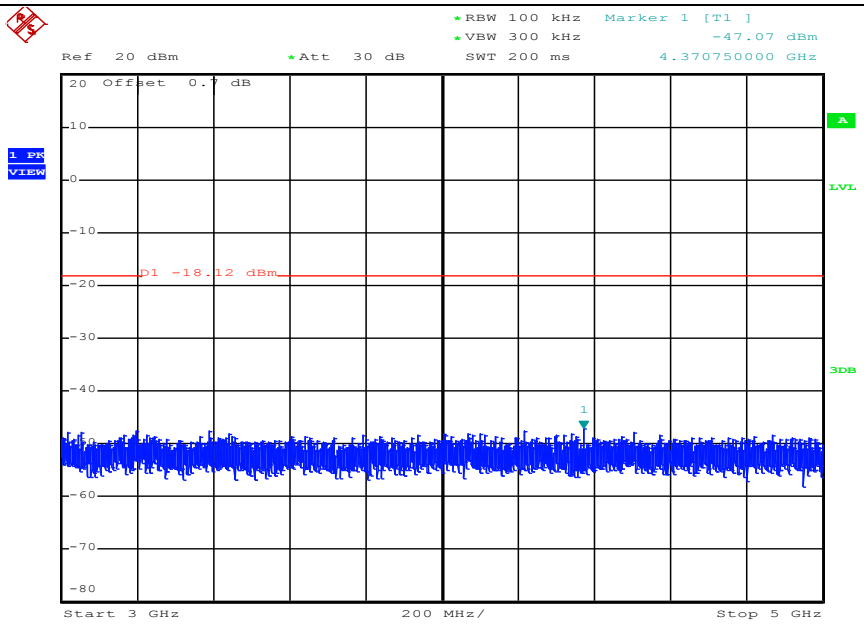

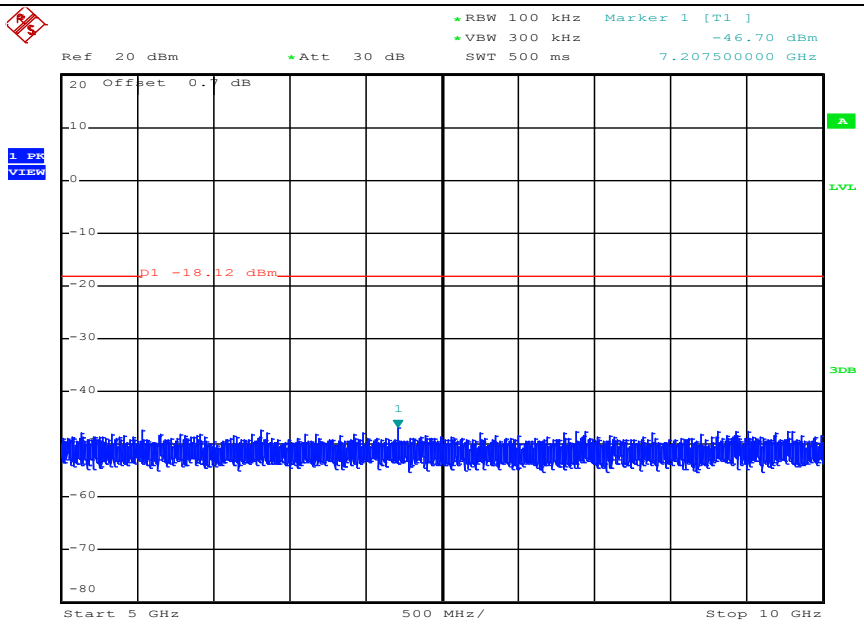

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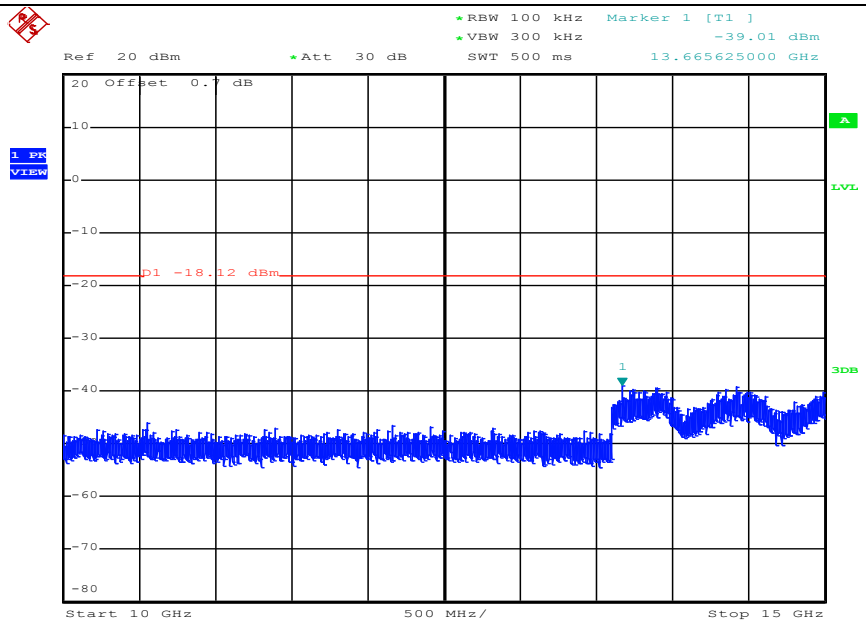

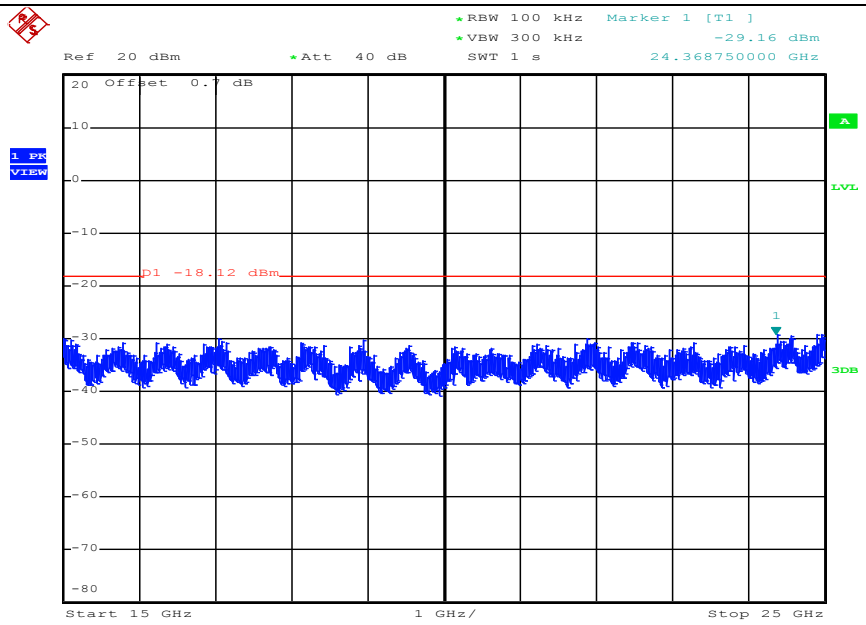

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