
APPENDIX 2: Data of EMI test

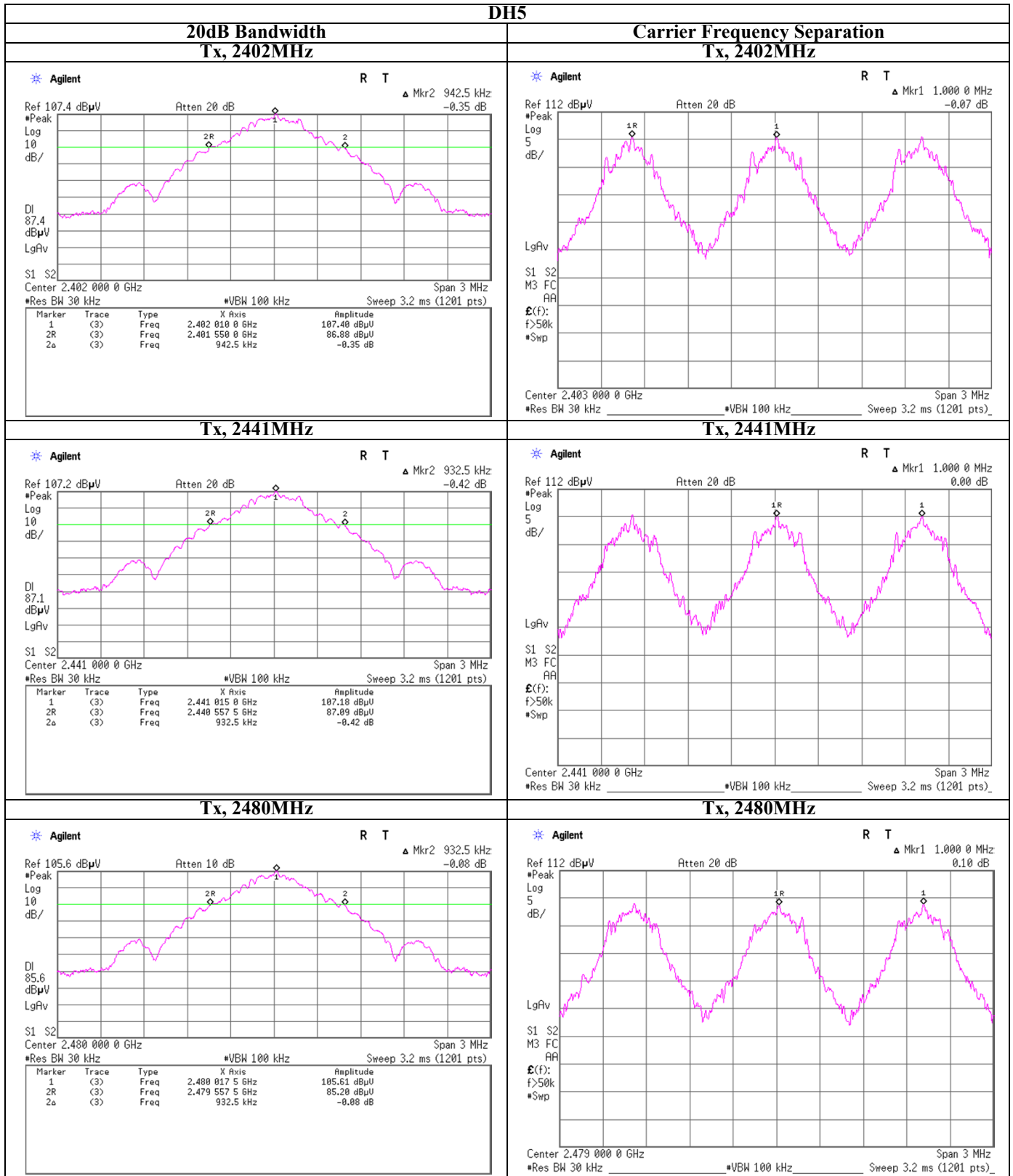
20dB Bandwidth and Carrier Frequency Separation

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
Date 2010/12/13
Temperature / Humidity 26deg.C. , 38%
Engineer Akio Hayashi
Mode Tx

Mode	Freq. [MHz]	20dB Bandwidth [MHz]	Carrier Frequency Separation [MHz]	Limit for Carrier Frequency Separation [MHz]
DH5	2402.0	0.943	1.000	>= 0.628
DH5	2441.0	0.933	1.000	>= 0.622
DH5	2480.0	0.933	1.000	>= 0.622
3DH5	2402.0	1.303	1.000	>= 0.869
3DH5	2441.0	1.290	1.000	>= 0.860
3DH5	2480.0	1.288	1.000	>= 0.858
Inquiry	2441.0	0.813	2.000	>= 0.542

Limit: Two-thirds of 20dB Bandwidth or 25kHz (whichever is greater).
No limit applies to 20dB Bandwidth.

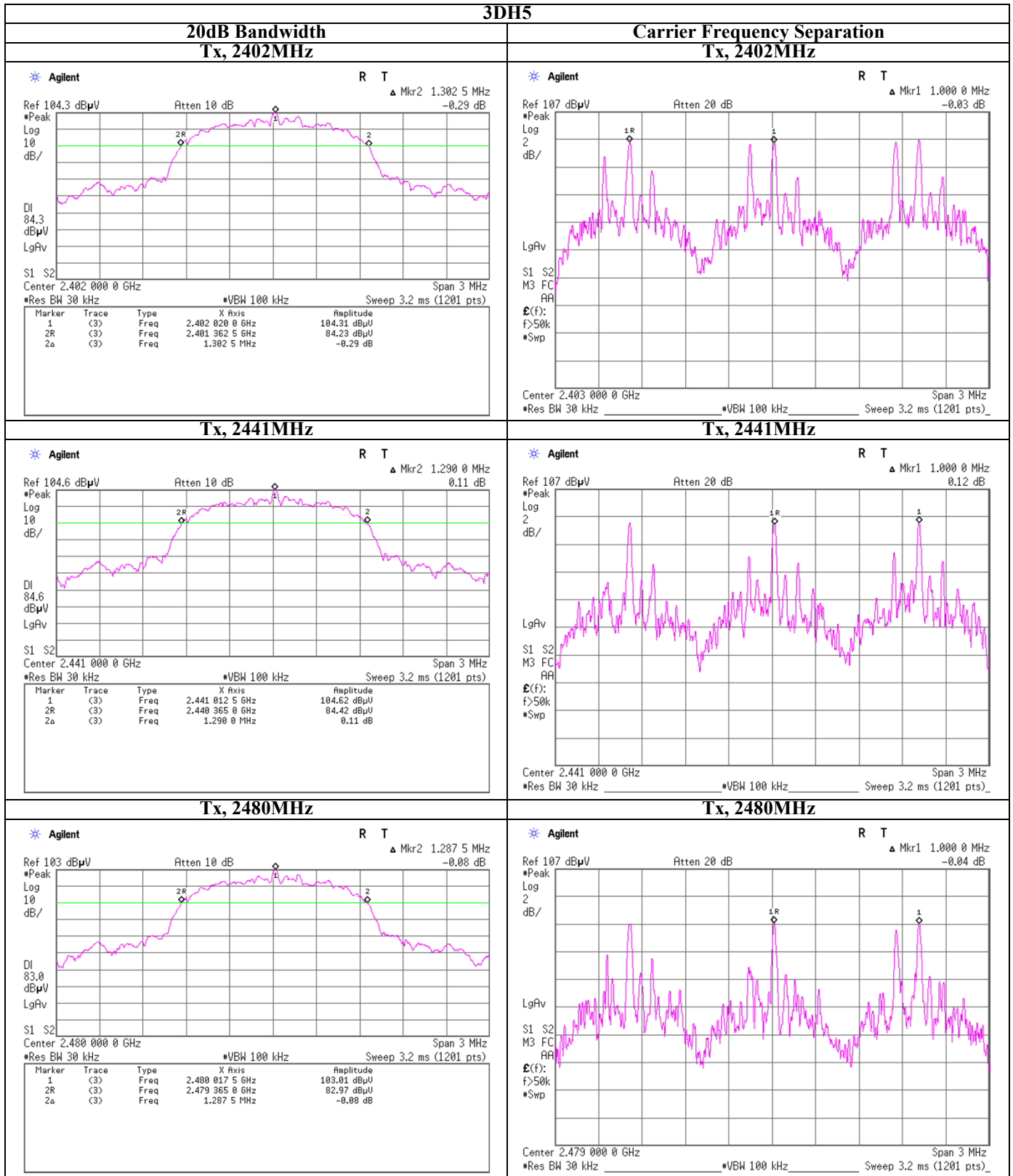
20dB Bandwidth and Carrier Frequency Separation



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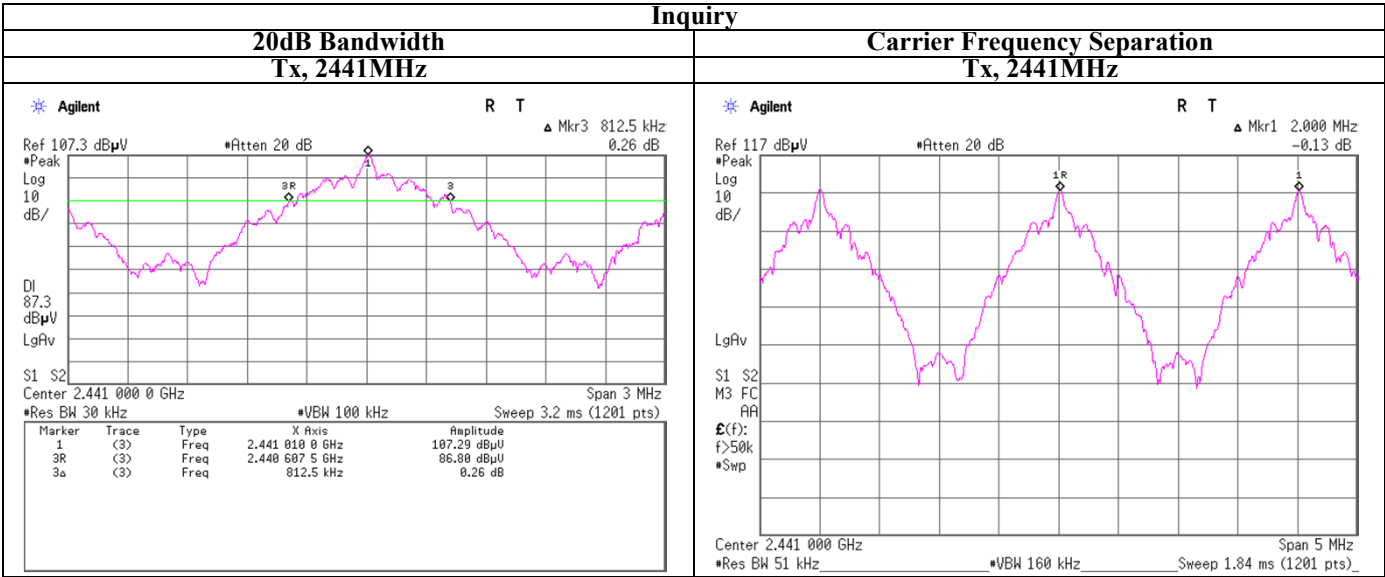
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20dB Bandwidth and Carrier Frequency Separation



Number of Hopping Frequency (Conducted)

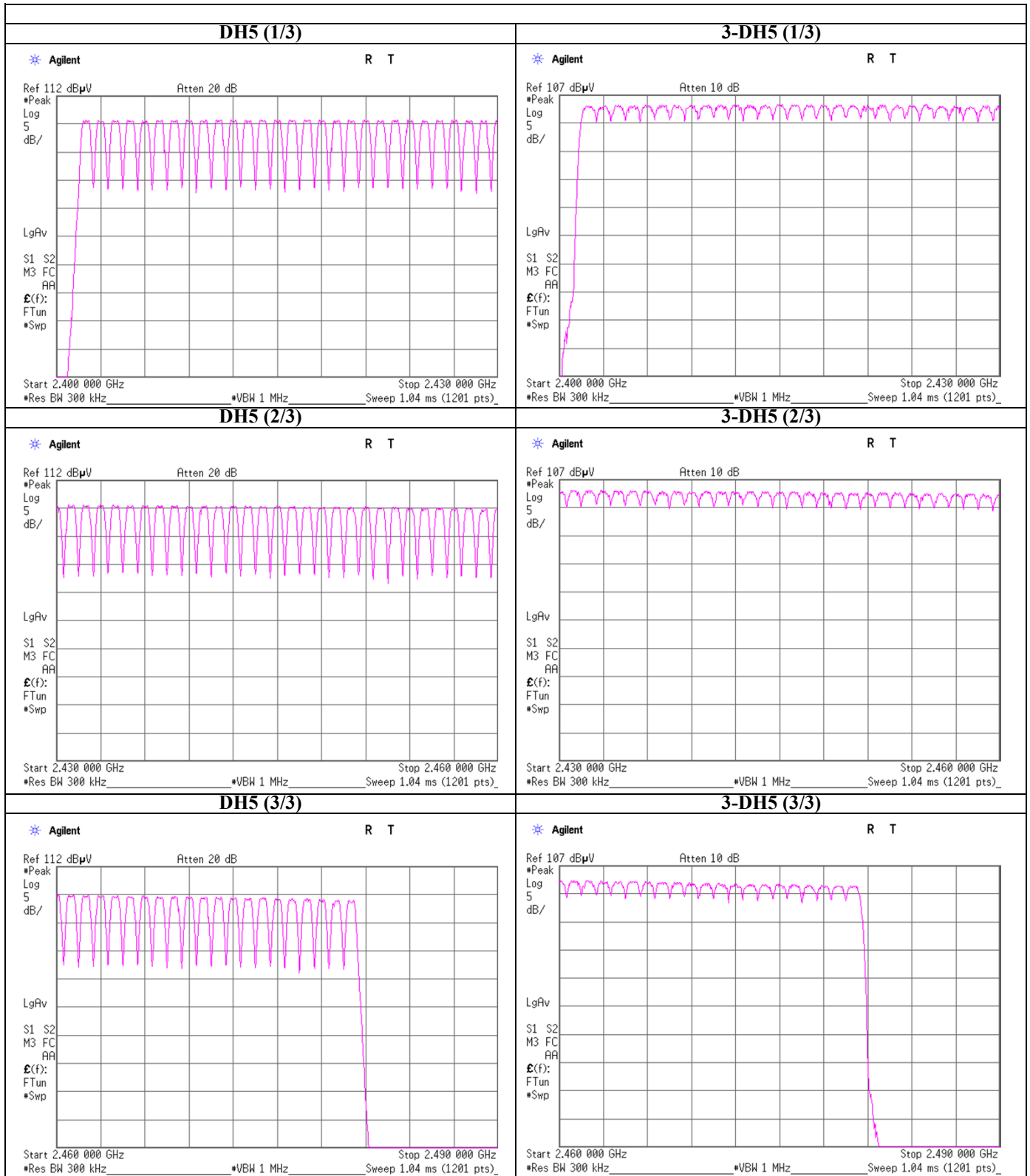
Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
Date 2010/12/13
Temperature / Humidity 26deg.C. , 38%
Engineer Akio Hayashi
Mode Tx

Mode	Number of Channel [times]	Limit [times]
DH5	79	>=15
3-DH5	79	>=15
Inquiry	32	>=15

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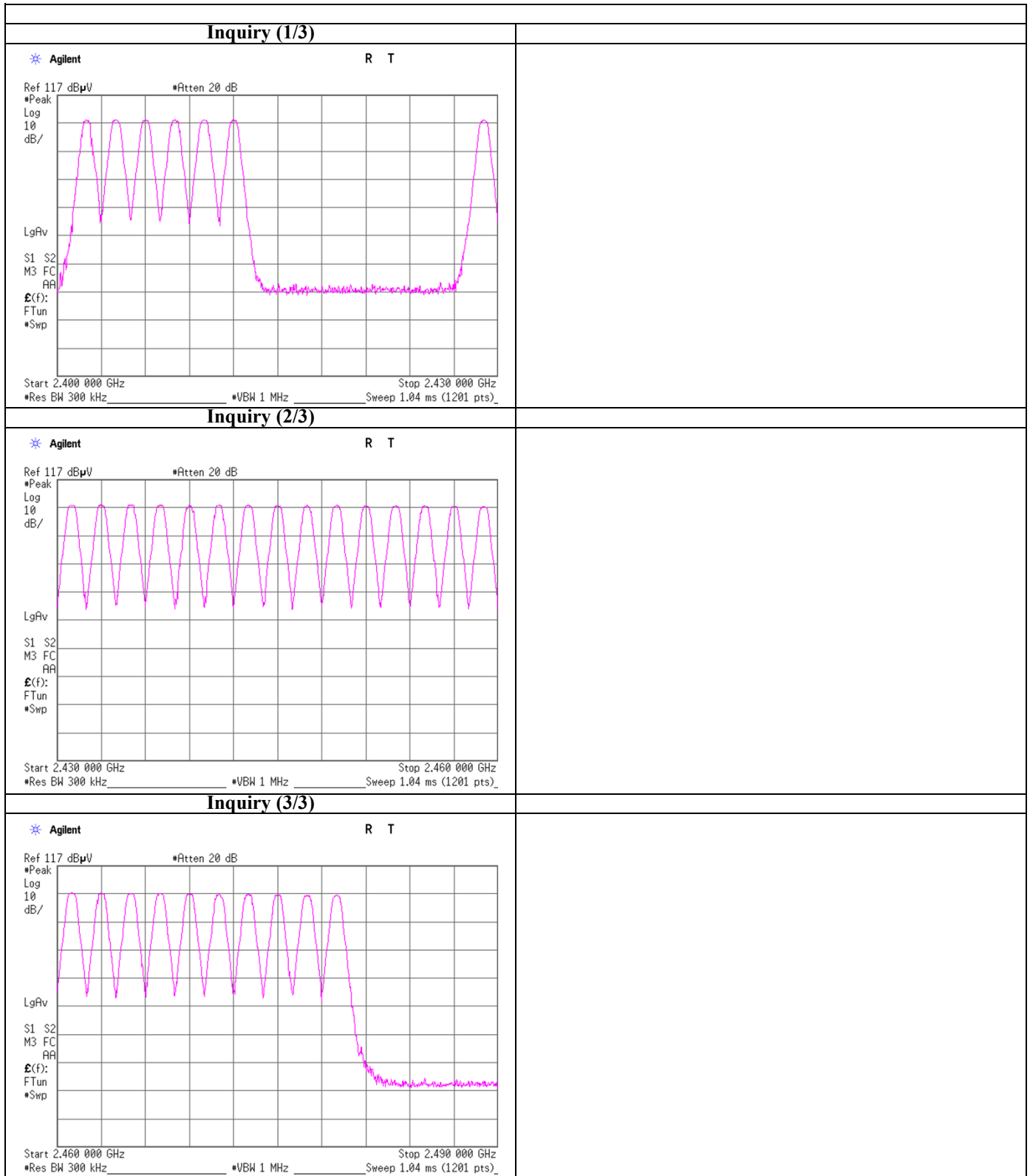
Number of Hopping Frequency



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Number of Hopping Frequency



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Dwell Time (Conducted)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
 Date 2010/12/14
 Temperature / Humidity 23deg.C. , 40%
 Engineer Shinnichi Takano
 Mode Tx

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time[msec]	Result [msec]	Limit [msec]
DH1	17.8 times / 5 sec. x 31.6 sec. = 113 times	0.399	45	400
DH3	17.8 times / 5 sec. x 31.6 sec. = 113 times	1.657	187	400
DH5	18.0 times / 5 sec. x 31.6 sec. = 114 times	2.906	331	400
3DH1	19.2 times / 5 sec. x 31.6 sec. = 122 times	0.408	50	400
3DH3	19.2 times / 5 sec. x 31.6 sec. = 122 times	1.659	202	400
3DH5	18.2 times / 5 sec. x 31.6 sec. = 116 times	2.915	338	400
Inquiry	100.0 times / 1 sec. x 12.8 sec. = 1280 times	0.993	1270	400

Sample Calculation

Result = Number of transmission x Length of transmission time

*Average data of 5 tests.(except Inquiry)

Mode	Sampling [times]					Average [times]
	1	2	3	4	5	
DH1	17	19	17	18	18	17.8
DH3	17	18	15	20	19	17.8
DH5	20	16	20	16	18	18
3DH1	21	20	20	16	19	19.2
3DH3	22	19	17	18	20	19.2
3DH5	19	21	18	17	16	18.2

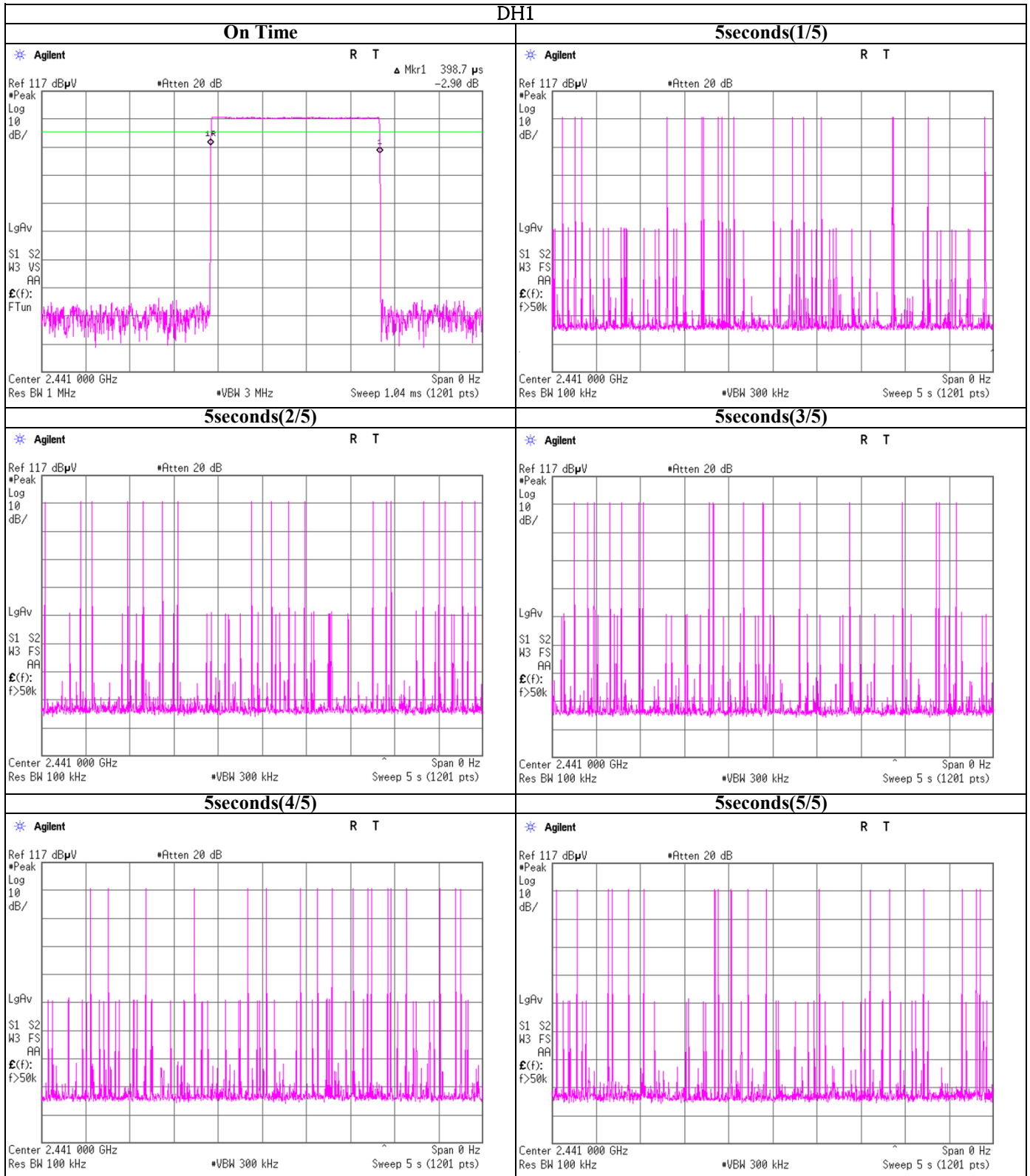
Sample Calculation

Average= Summation(Sampling 1 to 5) / 5

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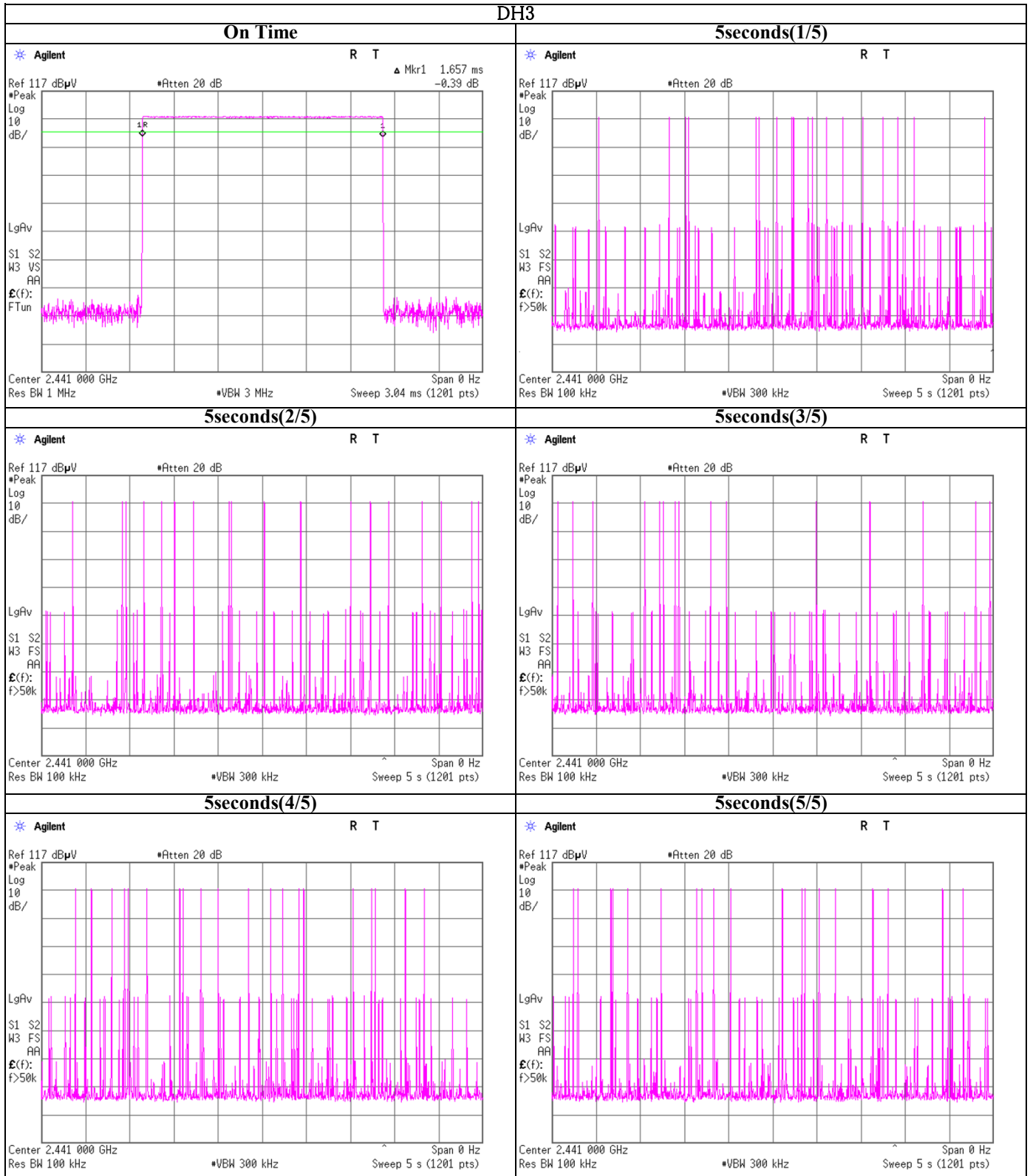
Dwell time



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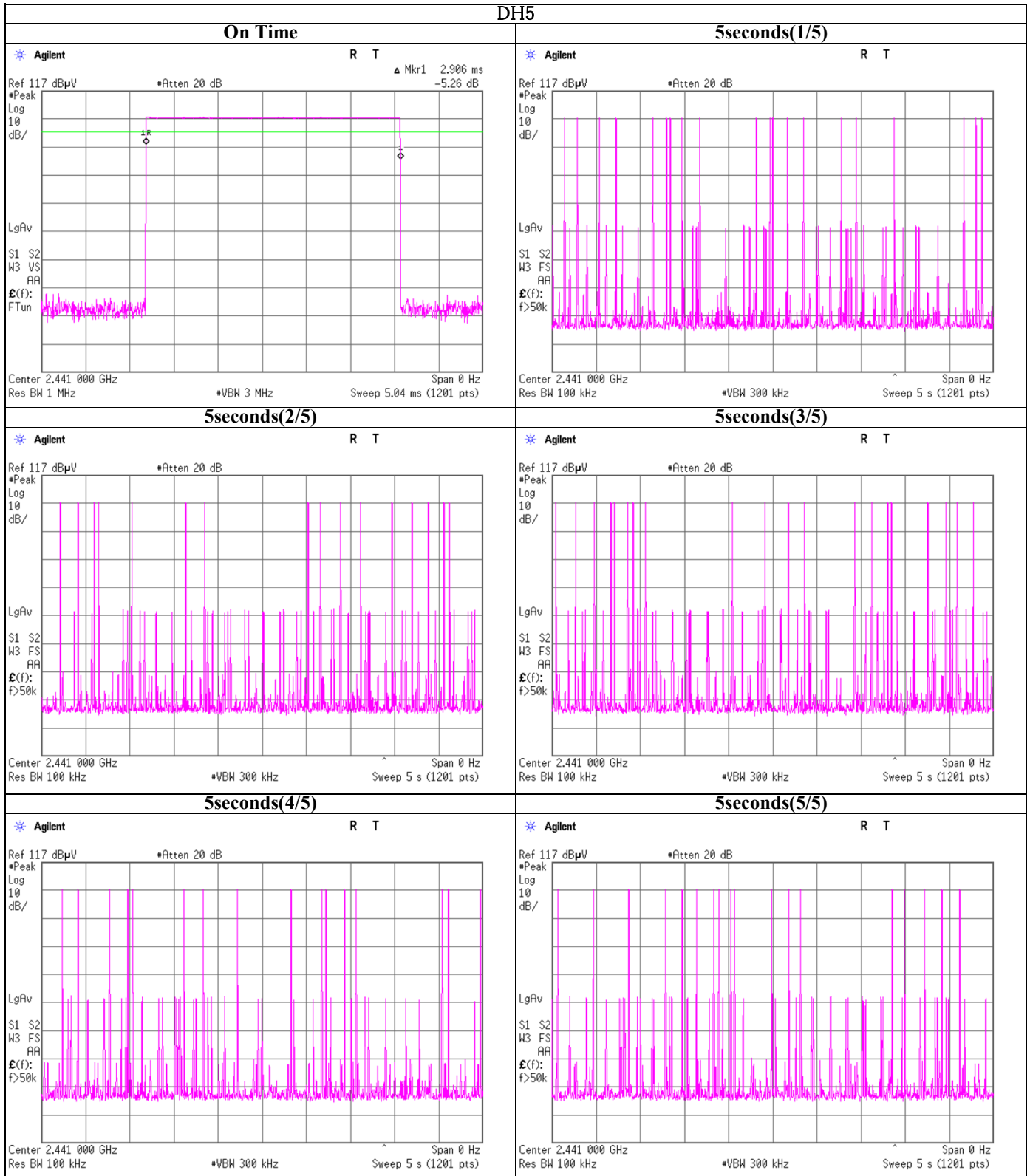
Dwell time



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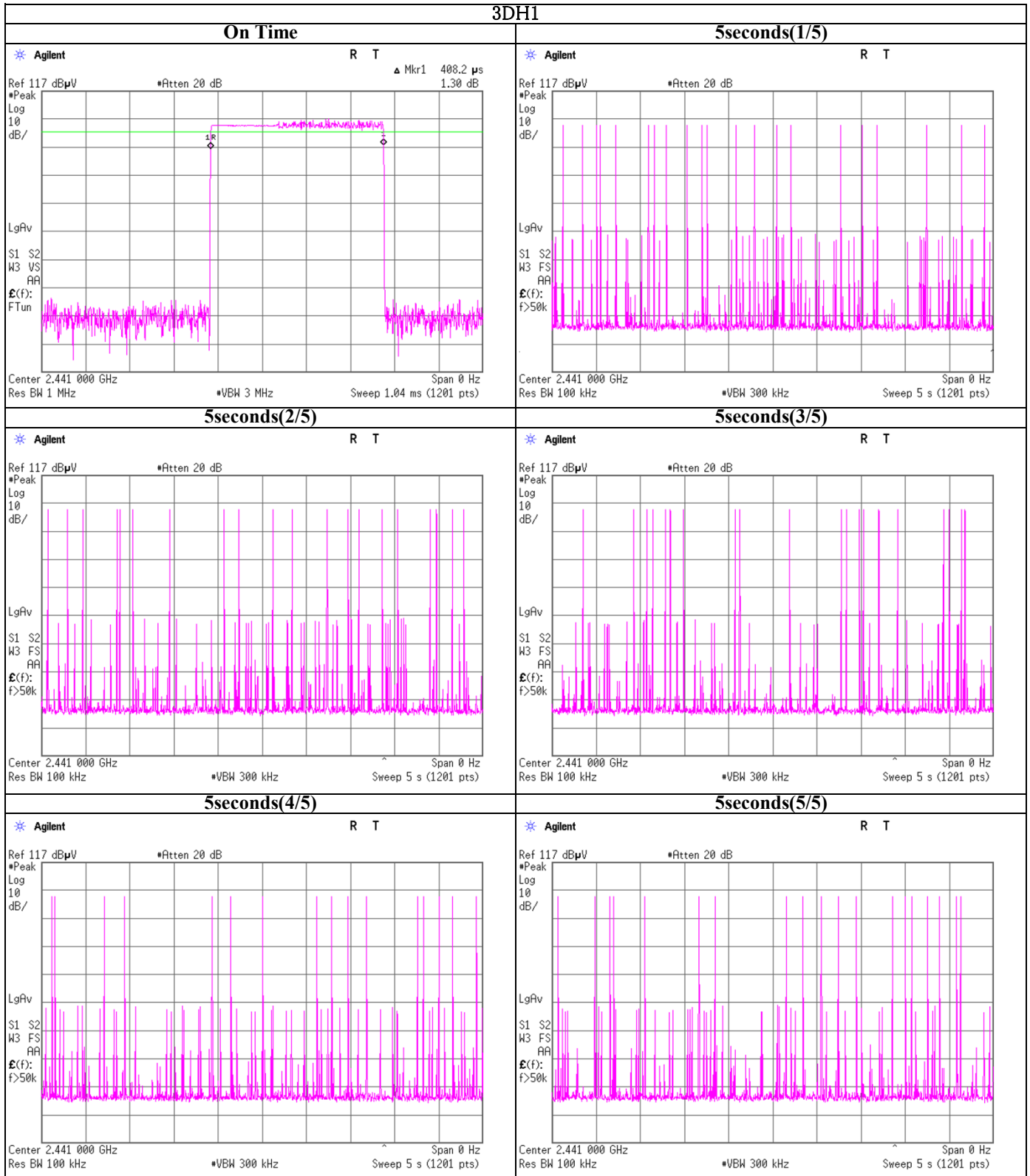
Dwell time



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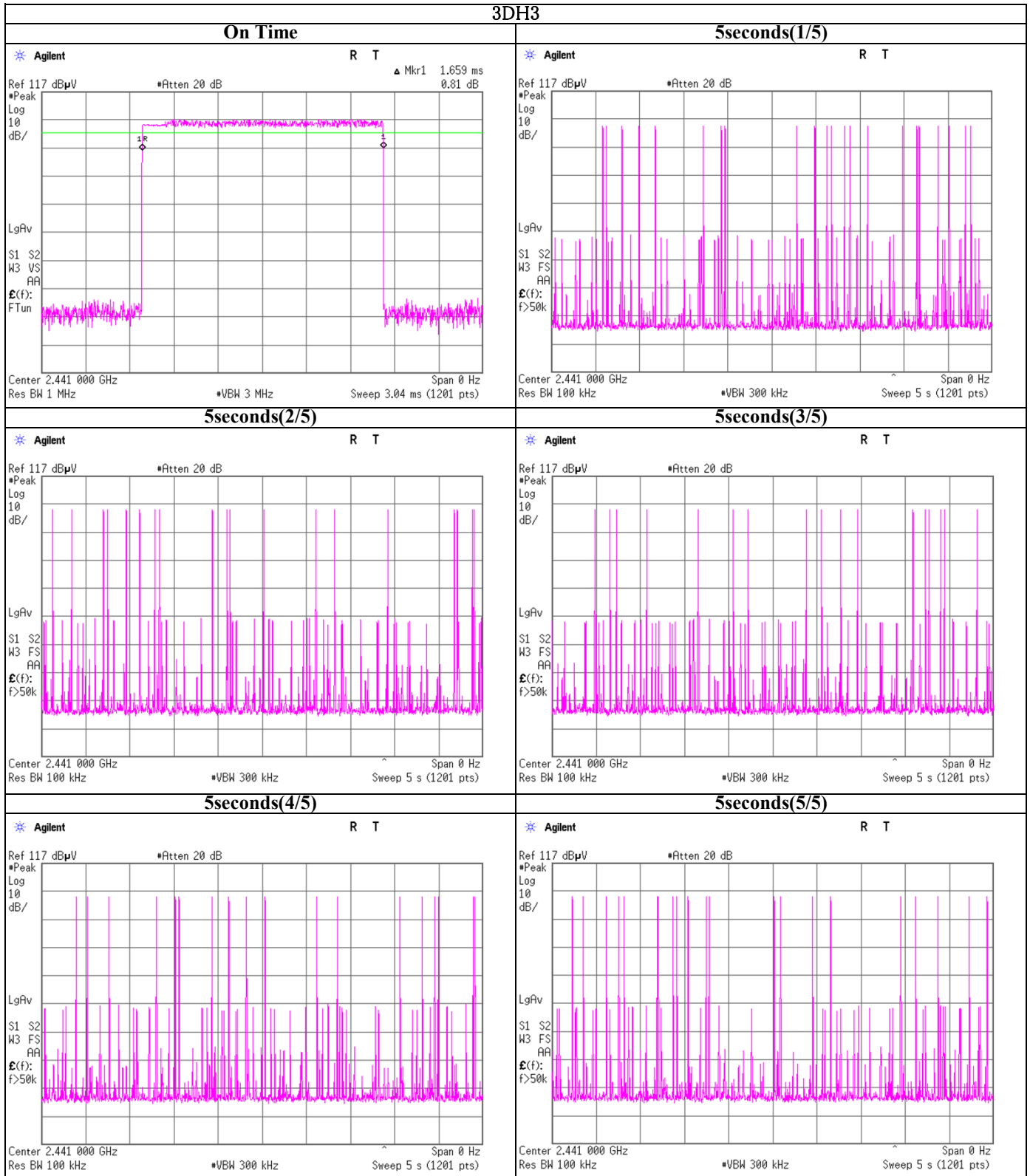
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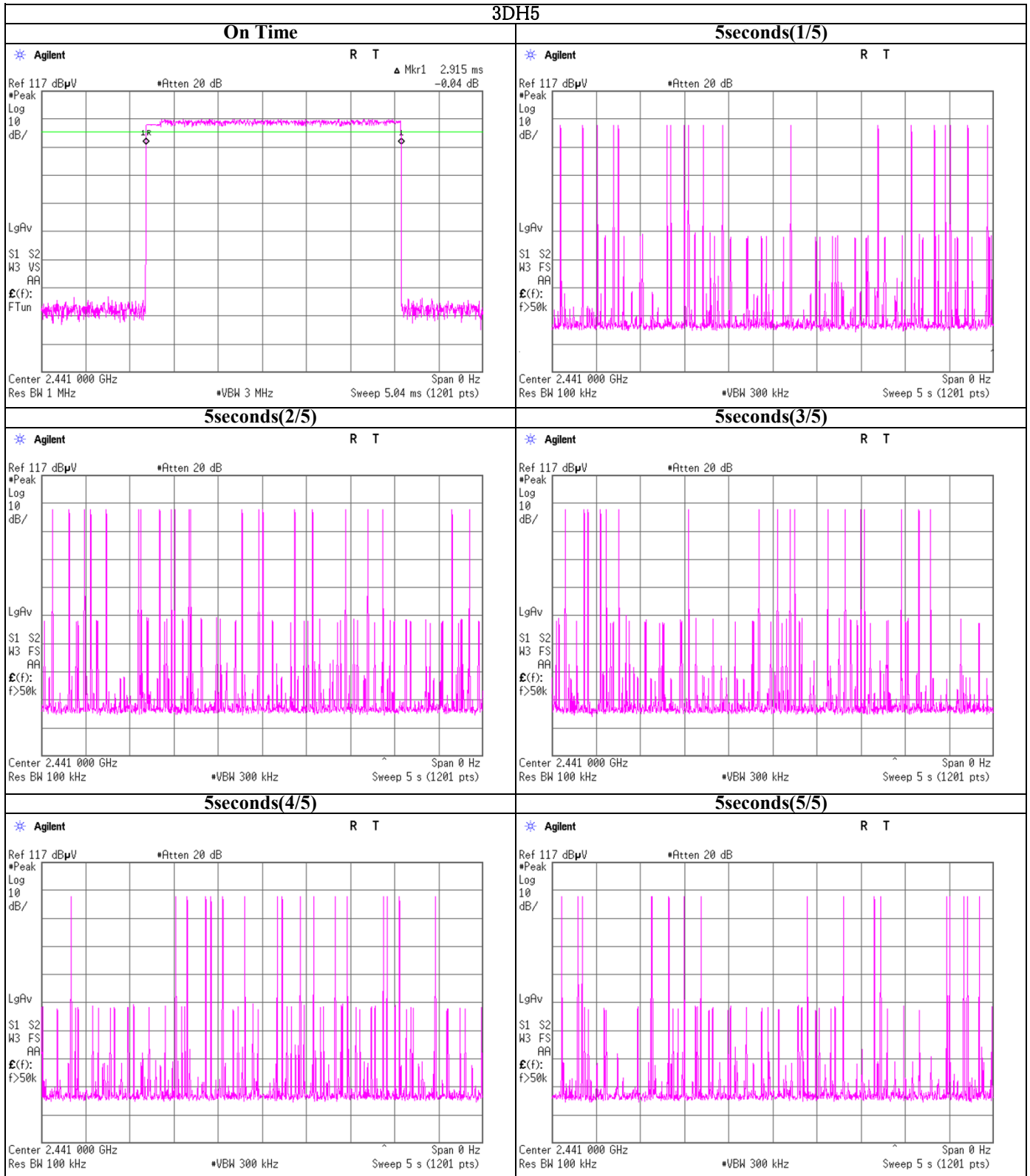
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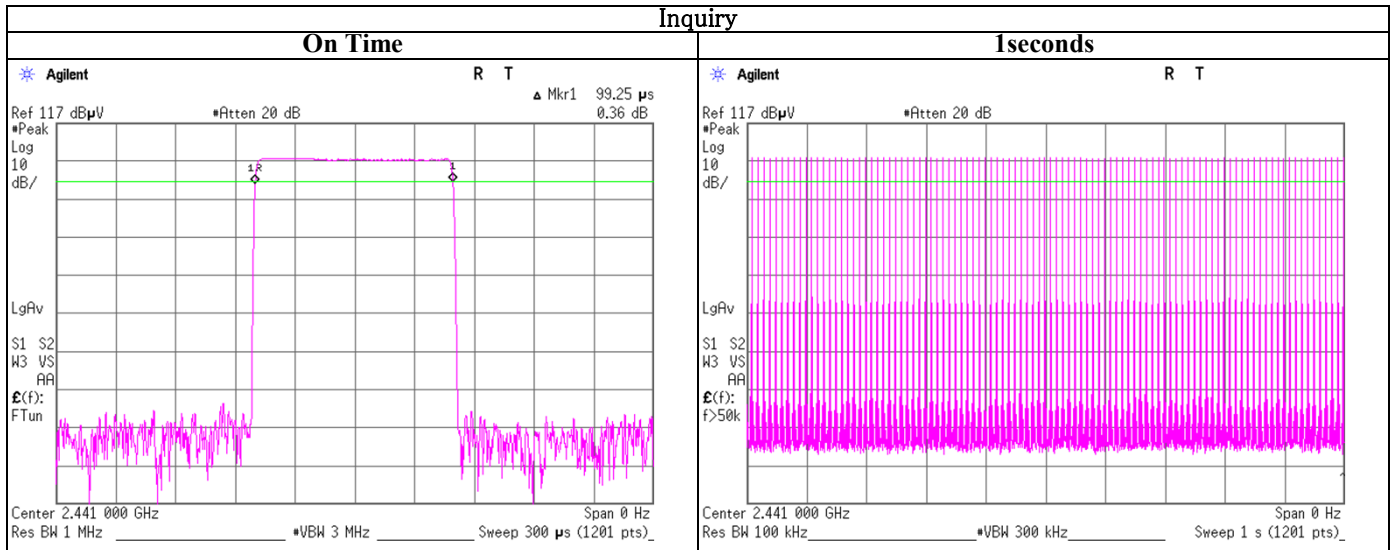
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