



# Appendix for LTE Band25-2

## FCC ID: 2AC88-GLMU19A02

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APPENDIX E: CONDUCTED SPURIOUS EMISSION.....90

APPENDIX F: FREQUENCY STABILITY..... 169

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## Appendix E: Conducted Spurious Emission

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	Range1:0.009~0.15MHz	-53.21	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	Range2:0.15~30MHz	-51.85	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	Range3:30~1000MHz	-60.82	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	Range4:1000~5000MHz	-41.54	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	Range5:5000~12000MHz	-34.8	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	Range6:12000~26500MHz	-58.5	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	Range1:0.009~0.15MHz	-52.01	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	Range2:0.15~30MHz	-50.72	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	Range3:30~1000MHz	-60.32	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	Range4:1000~5000MHz	-41.06	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	Range5:5000~12000MHz	-36.43	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	Range6:12000~26500MHz	-58.41	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	Range1:0.009~0.15MHz	-53.56	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	Range2:0.15~30MHz	-54.16	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	Range3:30~1000MHz	-60.5	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	Range4:1000~5000MHz	-43.89	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	Range5:5000~12000MHz	-39.8	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	Range6:12000~26500MHz	-58.62	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	Range1:0.009~0.15MHz	-52.42	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	Range2:0.15~30MHz	-51.45	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	Range3:30~1000MHz	-59.95	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	Range4:1000~5000MHz	-42.18	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	Range5:5000~12000MHz	-36.3	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	Range6:12000~26500MHz	-58.68	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	Range1:0.009~0.15MHz	-52.87	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	Range2:0.15~30MHz	-52.04	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	Range3:30~1000MHz	-60.63	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	Range4:1000~5000MHz	-42.14	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	Range5:5000~12000MHz	-37.68	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	Range6:12000~26500MHz	-58.71	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	Range1:0.009~0.15MHz	-53.13	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	Range2:0.15~30MHz	-52.19	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	Range3:30~1000MHz	-59.48	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	Range4:1000~5000MHz	-43.93	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	Range5:5000~12000MHz	-39.47	PASS

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Band25	1.4MHz	16QAM	26683	1RB#0	Range6:12000~26500MHz	-58.59	PASS
Band25	3MHz	QPSK	26055	1RB#0	Range1:0.009~0.15MHz	-51.14	PASS
Band25	3MHz	QPSK	26055	1RB#0	Range2:0.15~30MHz	-50.41	PASS
Band25	3MHz	QPSK	26055	1RB#0	Range3:30~1000MHz	-60.78	PASS
Band25	3MHz	QPSK	26055	1RB#0	Range4:1000~5000MHz	-41.49	PASS
Band25	3MHz	QPSK	26055	1RB#0	Range5:5000~12000MHz	-35.73	PASS
Band25	3MHz	QPSK	26055	1RB#0	Range6:12000~26500MHz	-58.65	PASS
Band25	3MHz	QPSK	26365	1RB#0	Range1:0.009~0.15MHz	-51.74	PASS
Band25	3MHz	QPSK	26365	1RB#0	Range2:0.15~30MHz	-53.49	PASS
Band25	3MHz	QPSK	26365	1RB#0	Range3:30~1000MHz	-59.56	PASS
Band25	3MHz	QPSK	26365	1RB#0	Range4:1000~5000MHz	-40.87	PASS
Band25	3MHz	QPSK	26365	1RB#0	Range5:5000~12000MHz	-36.04	PASS
Band25	3MHz	QPSK	26365	1RB#0	Range6:12000~26500MHz	-58.5	PASS
Band25	3MHz	QPSK	26675	1RB#0	Range1:0.009~0.15MHz	-53.52	PASS
Band25	3MHz	QPSK	26675	1RB#0	Range2:0.15~30MHz	-49.77	PASS
Band25	3MHz	QPSK	26675	1RB#0	Range3:30~1000MHz	-60.72	PASS
Band25	3MHz	QPSK	26675	1RB#0	Range4:1000~5000MHz	-42.72	PASS
Band25	3MHz	QPSK	26675	1RB#0	Range5:5000~12000MHz	-39.23	PASS
Band25	3MHz	QPSK	26675	1RB#0	Range6:12000~26500MHz	-58.52	PASS
Band25	3MHz	16QAM	26055	1RB#0	Range1:0.009~0.15MHz	-53.1	PASS
Band25	3MHz	16QAM	26055	1RB#0	Range2:0.15~30MHz	-51.66	PASS
Band25	3MHz	16QAM	26055	1RB#0	Range3:30~1000MHz	-60.99	PASS
Band25	3MHz	16QAM	26055	1RB#0	Range4:1000~5000MHz	-42.48	PASS
Band25	3MHz	16QAM	26055	1RB#0	Range5:5000~12000MHz	-36.74	PASS
Band25	3MHz	16QAM	26055	1RB#0	Range6:12000~26500MHz	-58.65	PASS
Band25	3MHz	16QAM	26365	1RB#0	Range1:0.009~0.15MHz	-52.8	PASS
Band25	3MHz	16QAM	26365	1RB#0	Range2:0.15~30MHz	-51.21	PASS
Band25	3MHz	16QAM	26365	1RB#0	Range3:30~1000MHz	-60.54	PASS
Band25	3MHz	16QAM	26365	1RB#0	Range4:1000~5000MHz	-41.25	PASS
Band25	3MHz	16QAM	26365	1RB#0	Range5:5000~12000MHz	-36.34	PASS
Band25	3MHz	16QAM	26365	1RB#0	Range6:12000~26500MHz	-58.59	PASS
Band25	3MHz	16QAM	26675	1RB#0	Range1:0.009~0.15MHz	-53.11	PASS
Band25	3MHz	16QAM	26675	1RB#0	Range2:0.15~30MHz	-54.16	PASS
Band25	3MHz	16QAM	26675	1RB#0	Range3:30~1000MHz	-60.08	PASS
Band25	3MHz	16QAM	26675	1RB#0	Range4:1000~5000MHz	-42.83	PASS
Band25	3MHz	16QAM	26675	1RB#0	Range5:5000~12000MHz	-39.41	PASS
Band25	3MHz	16QAM	26675	1RB#0	Range6:12000~26500MHz	-58.56	PASS
Band25	5MHz	QPSK	26065	1RB#0	Range1:0.009~0.15MHz	-51.69	PASS
Band25	5MHz	QPSK	26065	1RB#0	Range2:0.15~30MHz	-49.97	PASS
Band25	5MHz	QPSK	26065	1RB#0	Range3:30~1000MHz	-59.88	PASS

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Band25	5MHz	QPSK	26065	1RB#0	Range4:1000~5000MHz	-41.64	PASS
Band25	5MHz	QPSK	26065	1RB#0	Range5:5000~12000MHz	-35.23	PASS
Band25	5MHz	QPSK	26065	1RB#0	Range6:12000~26500MHz	-58.5	PASS
Band25	5MHz	QPSK	26365	1RB#0	Range1:0.009~0.15MHz	-51.21	PASS
Band25	5MHz	QPSK	26365	1RB#0	Range2:0.15~30MHz	-50.37	PASS
Band25	5MHz	QPSK	26365	1RB#0	Range3:30~1000MHz	-60.12	PASS
Band25	5MHz	QPSK	26365	1RB#0	Range4:1000~5000MHz	-41.33	PASS
Band25	5MHz	QPSK	26365	1RB#0	Range5:5000~12000MHz	-35.37	PASS
Band25	5MHz	QPSK	26365	1RB#0	Range6:12000~26500MHz	-58.71	PASS
Band25	5MHz	QPSK	26665	1RB#0	Range1:0.009~0.15MHz	-53.62	PASS
Band25	5MHz	QPSK	26665	1RB#0	Range2:0.15~30MHz	-52.64	PASS
Band25	5MHz	QPSK	26665	1RB#0	Range3:30~1000MHz	-60.28	PASS
Band25	5MHz	QPSK	26665	1RB#0	Range4:1000~5000MHz	-41.53	PASS
Band25	5MHz	QPSK	26665	1RB#0	Range5:5000~12000MHz	-39.83	PASS
Band25	5MHz	QPSK	26665	1RB#0	Range6:12000~26500MHz	-58.69	PASS
Band25	5MHz	16QAM	26065	1RB#0	Range1:0.009~0.15MHz	-53.76	PASS
Band25	5MHz	16QAM	26065	1RB#0	Range2:0.15~30MHz	-52.42	PASS
Band25	5MHz	16QAM	26065	1RB#0	Range3:30~1000MHz	-60.55	PASS
Band25	5MHz	16QAM	26065	1RB#0	Range4:1000~5000MHz	-42.15	PASS
Band25	5MHz	16QAM	26065	1RB#0	Range5:5000~12000MHz	-37.24	PASS
Band25	5MHz	16QAM	26065	1RB#0	Range6:12000~26500MHz	-58.62	PASS
Band25	5MHz	16QAM	26365	1RB#0	Range1:0.009~0.15MHz	-52.96	PASS
Band25	5MHz	16QAM	26365	1RB#0	Range2:0.15~30MHz	-50.65	PASS
Band25	5MHz	16QAM	26365	1RB#0	Range3:30~1000MHz	-60.88	PASS
Band25	5MHz	16QAM	26365	1RB#0	Range4:1000~5000MHz	-42.5	PASS
Band25	5MHz	16QAM	26365	1RB#0	Range5:5000~12000MHz	-37.63	PASS
Band25	5MHz	16QAM	26365	1RB#0	Range6:12000~26500MHz	-58.67	PASS
Band25	5MHz	16QAM	26665	1RB#0	Range1:0.009~0.15MHz	-53.91	PASS
Band25	5MHz	16QAM	26665	1RB#0	Range2:0.15~30MHz	-55.01	PASS
Band25	5MHz	16QAM	26665	1RB#0	Range3:30~1000MHz	-60.19	PASS
Band25	5MHz	16QAM	26665	1RB#0	Range4:1000~5000MHz	-41.82	PASS
Band25	5MHz	16QAM	26665	1RB#0	Range5:5000~12000MHz	-40.81	PASS
Band25	5MHz	16QAM	26665	1RB#0	Range6:12000~26500MHz	-58.65	PASS
Band25	10MHz	QPSK	26090	1RB#0	Range1:0.009~0.15MHz	-51.5	PASS
Band25	10MHz	QPSK	26090	1RB#0	Range2:0.15~30MHz	-50.25	PASS
Band25	10MHz	QPSK	26090	1RB#0	Range3:30~1000MHz	-60.72	PASS
Band25	10MHz	QPSK	26090	1RB#0	Range4:1000~5000MHz	-41.34	PASS
Band25	10MHz	QPSK	26090	1RB#0	Range5:5000~12000MHz	-35.25	PASS
Band25	10MHz	QPSK	26090	1RB#0	Range6:12000~26500MHz	-58.37	PASS
Band25	10MHz	QPSK	26365	1RB#0	Range1:0.009~0.15MHz	-52.23	PASS

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Band25	10MHz	QPSK	26365	1RB#0	Range2:0.15~30MHz	-51.34	PASS
Band25	10MHz	QPSK	26365	1RB#0	Range3:30~1000MHz	-60.78	PASS
Band25	10MHz	QPSK	26365	1RB#0	Range4:1000~5000MHz	-42.15	PASS
Band25	10MHz	QPSK	26365	1RB#0	Range5:5000~12000MHz	-36.08	PASS
Band25	10MHz	QPSK	26365	1RB#0	Range6:12000~26500MHz	-58.67	PASS
Band25	10MHz	QPSK	26640	1RB#0	Range1:0.009~0.15MHz	-51.75	PASS
Band25	10MHz	QPSK	26640	1RB#0	Range2:0.15~30MHz	-51.23	PASS
Band25	10MHz	QPSK	26640	1RB#0	Range3:30~1000MHz	-59.72	PASS
Band25	10MHz	QPSK	26640	1RB#0	Range4:1000~5000MHz	-41.33	PASS
Band25	10MHz	QPSK	26640	1RB#0	Range5:5000~12000MHz	-36.82	PASS
Band25	10MHz	QPSK	26640	1RB#0	Range6:12000~26500MHz	-58.42	PASS
Band25	10MHz	16QAM	26090	1RB#0	Range1:0.009~0.15MHz	-52.79	PASS
Band25	10MHz	16QAM	26090	1RB#0	Range2:0.15~30MHz	-50.78	PASS
Band25	10MHz	16QAM	26090	1RB#0	Range3:30~1000MHz	-60.77	PASS
Band25	10MHz	16QAM	26090	1RB#0	Range4:1000~5000MHz	-42.77	PASS
Band25	10MHz	16QAM	26090	1RB#0	Range5:5000~12000MHz	-36.75	PASS
Band25	10MHz	16QAM	26090	1RB#0	Range6:12000~26500MHz	-58.61	PASS
Band25	10MHz	16QAM	26365	1RB#0	Range1:0.009~0.15MHz	-52.64	PASS
Band25	10MHz	16QAM	26365	1RB#0	Range2:0.15~30MHz	-53.34	PASS
Band25	10MHz	16QAM	26365	1RB#0	Range3:30~1000MHz	-60.74	PASS
Band25	10MHz	16QAM	26365	1RB#0	Range4:1000~5000MHz	-43.23	PASS
Band25	10MHz	16QAM	26365	1RB#0	Range5:5000~12000MHz	-36.49	PASS
Band25	10MHz	16QAM	26365	1RB#0	Range6:12000~26500MHz	-58.61	PASS
Band25	10MHz	16QAM	26640	1RB#0	Range1:0.009~0.15MHz	-52.17	PASS
Band25	10MHz	16QAM	26640	1RB#0	Range2:0.15~30MHz	-51.05	PASS
Band25	10MHz	16QAM	26640	1RB#0	Range3:30~1000MHz	-59.85	PASS
Band25	10MHz	16QAM	26640	1RB#0	Range4:1000~5000MHz	-41.93	PASS
Band25	10MHz	16QAM	26640	1RB#0	Range5:5000~12000MHz	-37.7	PASS
Band25	10MHz	16QAM	26640	1RB#0	Range6:12000~26500MHz	-58.68	PASS
Band25	15MHz	QPSK	26115	1RB#0	Range1:0.009~0.15MHz	-52.11	PASS
Band25	15MHz	QPSK	26115	1RB#0	Range2:0.15~30MHz	-50.45	PASS
Band25	15MHz	QPSK	26115	1RB#0	Range3:30~1000MHz	-60.41	PASS
Band25	15MHz	QPSK	26115	1RB#0	Range4:1000~5000MHz	-41.63	PASS
Band25	15MHz	QPSK	26115	1RB#0	Range5:5000~12000MHz	-35.55	PASS
Band25	15MHz	QPSK	26115	1RB#0	Range6:12000~26500MHz	-58.46	PASS
Band25	15MHz	QPSK	26365	1RB#0	Range1:0.009~0.15MHz	-53.64	PASS
Band25	15MHz	QPSK	26365	1RB#0	Range2:0.15~30MHz	-49.74	PASS
Band25	15MHz	QPSK	26365	1RB#0	Range3:30~1000MHz	-60.62	PASS
Band25	15MHz	QPSK	26365	1RB#0	Range4:1000~5000MHz	-43.36	PASS
Band25	15MHz	QPSK	26365	1RB#0	Range5:5000~12000MHz	-36.75	PASS

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Band25	15MHz	QPSK	26365	1RB#0	Range6:12000~26500MHz	-58.58	PASS
Band25	15MHz	QPSK	26615	1RB#0	Range1:0.009~0.15MHz	-51.68	PASS
Band25	15MHz	QPSK	26615	1RB#0	Range2:0.15~30MHz	-48.94	PASS
Band25	15MHz	QPSK	26615	1RB#0	Range3:30~1000MHz	-59.85	PASS
Band25	15MHz	QPSK	26615	1RB#0	Range4:1000~5000MHz	-43.9	PASS
Band25	15MHz	QPSK	26615	1RB#0	Range5:5000~12000MHz	-36.19	PASS
Band25	15MHz	QPSK	26615	1RB#0	Range6:12000~26500MHz	-58.62	PASS
Band25	15MHz	16QAM	26115	1RB#0	Range1:0.009~0.15MHz	-53.26	PASS
Band25	15MHz	16QAM	26115	1RB#0	Range2:0.15~30MHz	-53.12	PASS
Band25	15MHz	16QAM	26115	1RB#0	Range3:30~1000MHz	-59.84	PASS
Band25	15MHz	16QAM	26115	1RB#0	Range4:1000~5000MHz	-42.36	PASS
Band25	15MHz	16QAM	26115	1RB#0	Range5:5000~12000MHz	-37.8	PASS
Band25	15MHz	16QAM	26115	1RB#0	Range6:12000~26500MHz	-58.34	PASS
Band25	15MHz	16QAM	26365	1RB#0	Range1:0.009~0.15MHz	-52.43	PASS
Band25	15MHz	16QAM	26365	1RB#0	Range2:0.15~30MHz	-52.67	PASS
Band25	15MHz	16QAM	26365	1RB#0	Range3:30~1000MHz	-60.23	PASS
Band25	15MHz	16QAM	26365	1RB#0	Range4:1000~5000MHz	-43.77	PASS
Band25	15MHz	16QAM	26365	1RB#0	Range5:5000~12000MHz	-37.69	PASS
Band25	15MHz	16QAM	26365	1RB#0	Range6:12000~26500MHz	-58.36	PASS
Band25	15MHz	16QAM	26615	1RB#0	Range1:0.009~0.15MHz	-50.07	PASS
Band25	15MHz	16QAM	26615	1RB#0	Range2:0.15~30MHz	-52.22	PASS
Band25	15MHz	16QAM	26615	1RB#0	Range3:30~1000MHz	-59.57	PASS
Band25	15MHz	16QAM	26615	1RB#0	Range4:1000~5000MHz	-43.93	PASS
Band25	15MHz	16QAM	26615	1RB#0	Range5:5000~12000MHz	-36.47	PASS
Band25	15MHz	16QAM	26615	1RB#0	Range6:12000~26500MHz	-58.66	PASS
Band25	20MHz	QPSK	26140	1RB#0	Range1:0.009~0.15MHz	-53.99	PASS
Band25	20MHz	QPSK	26140	1RB#0	Range2:0.15~30MHz	-51.9	PASS
Band25	20MHz	QPSK	26140	1RB#0	Range3:30~1000MHz	-59.78	PASS
Band25	20MHz	QPSK	26140	1RB#0	Range4:1000~5000MHz	-41.63	PASS
Band25	20MHz	QPSK	26140	1RB#0	Range5:5000~12000MHz	-35.6	PASS
Band25	20MHz	QPSK	26140	1RB#0	Range6:12000~26500MHz	-58.63	PASS
Band25	20MHz	QPSK	26365	1RB#0	Range1:0.009~0.15MHz	-52.03	PASS
Band25	20MHz	QPSK	26365	1RB#0	Range2:0.15~30MHz	-50.43	PASS
Band25	20MHz	QPSK	26365	1RB#0	Range3:30~1000MHz	-59.33	PASS
Band25	20MHz	QPSK	26365	1RB#0	Range4:1000~5000MHz	-43.74	PASS
Band25	20MHz	QPSK	26365	1RB#0	Range5:5000~12000MHz	-36.23	PASS
Band25	20MHz	QPSK	26365	1RB#0	Range6:12000~26500MHz	-58.46	PASS
Band25	20MHz	QPSK	26590	1RB#0	Range1:0.009~0.15MHz	-50.43	PASS
Band25	20MHz	QPSK	26590	1RB#0	Range2:0.15~30MHz	-52.27	PASS
Band25	20MHz	QPSK	26590	1RB#0	Range3:30~1000MHz	-60.55	PASS

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Band25	20MHz	QPSK	26590	1RB#0	Range4:1000~5000MHz	-42.76	PASS
Band25	20MHz	QPSK	26590	1RB#0	Range5:5000~12000MHz	-35.7	PASS
Band25	20MHz	QPSK	26590	1RB#0	Range6:12000~26500MHz	-58.61	PASS
Band25	20MHz	16QAM	26140	1RB#0	Range1:0.009~0.15MHz	-53.36	PASS
Band25	20MHz	16QAM	26140	1RB#0	Range2:0.15~30MHz	-51	PASS
Band25	20MHz	16QAM	26140	1RB#0	Range3:30~1000MHz	-60.44	PASS
Band25	20MHz	16QAM	26140	1RB#0	Range4:1000~5000MHz	-41.74	PASS
Band25	20MHz	16QAM	26140	1RB#0	Range5:5000~12000MHz	-35.57	PASS
Band25	20MHz	16QAM	26140	1RB#0	Range6:12000~26500MHz	-58.6	PASS
Band25	20MHz	16QAM	26365	1RB#0	Range1:0.009~0.15MHz	-50.98	PASS
Band25	20MHz	16QAM	26365	1RB#0	Range2:0.15~30MHz	-52.34	PASS
Band25	20MHz	16QAM	26365	1RB#0	Range3:30~1000MHz	-59.21	PASS
Band25	20MHz	16QAM	26365	1RB#0	Range4:1000~5000MHz	-43.82	PASS
Band25	20MHz	16QAM	26365	1RB#0	Range5:5000~12000MHz	-36.07	PASS
Band25	20MHz	16QAM	26365	1RB#0	Range6:12000~26500MHz	-58.66	PASS
Band25	20MHz	16QAM	26590	1RB#0	Range1:0.009~0.15MHz	-51.75	PASS
Band25	20MHz	16QAM	26590	1RB#0	Range2:0.15~30MHz	-52.76	PASS
Band25	20MHz	16QAM	26590	1RB#0	Range3:30~1000MHz	-60.76	PASS
Band25	20MHz	16QAM	26590	1RB#0	Range4:1000~5000MHz	-43.3	PASS
Band25	20MHz	16QAM	26590	1RB#0	Range5:5000~12000MHz	-38.24	PASS
Band25	20MHz	16QAM	26590	1RB#0	Range6:12000~26500MHz	-58.47	PASS

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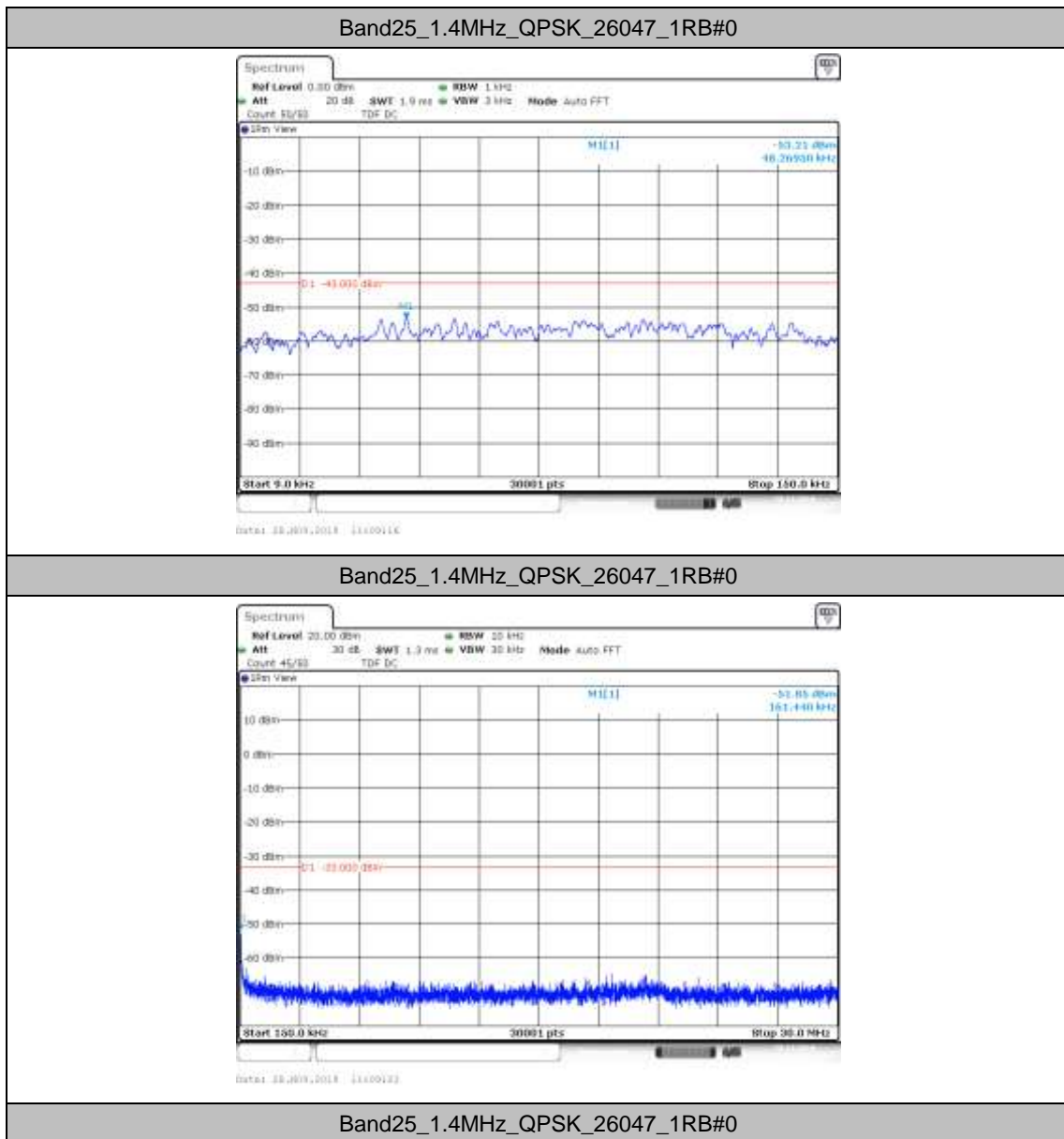
Fax: (86)755-27521011

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For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [www.cnca.cn](http://www.cnca.cn)



## Test Graphs



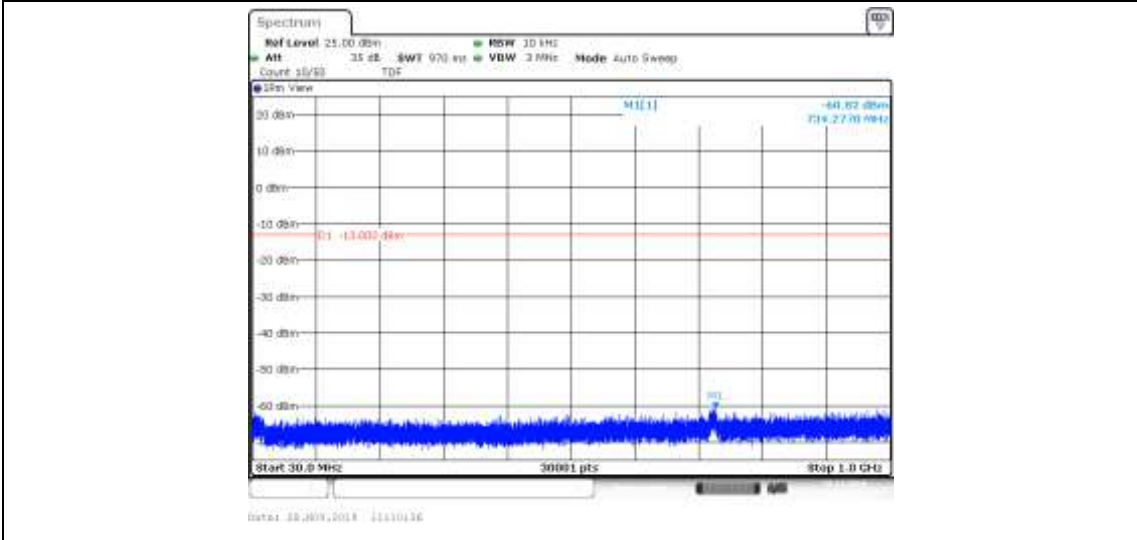
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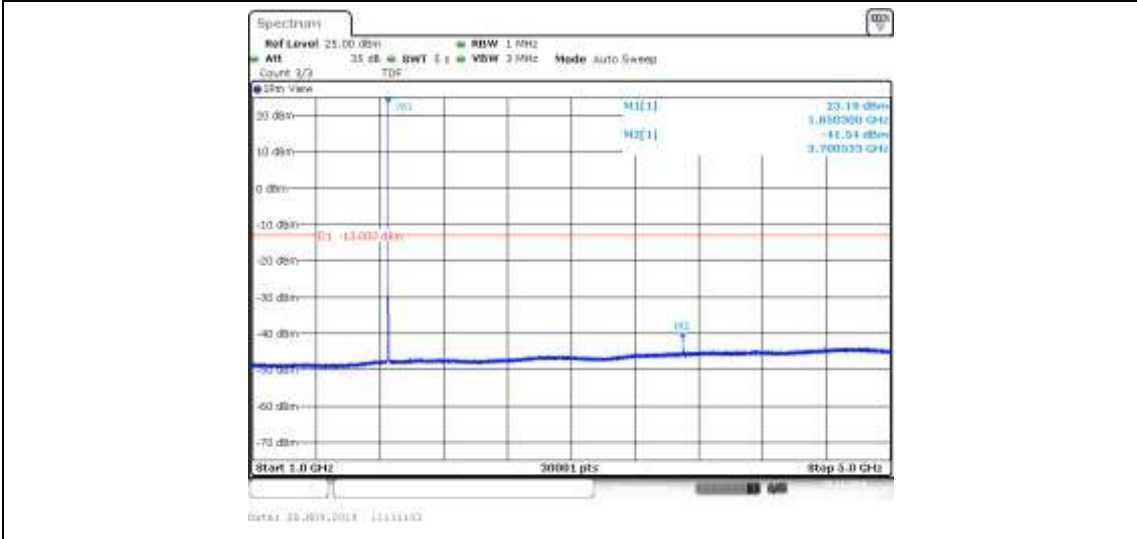
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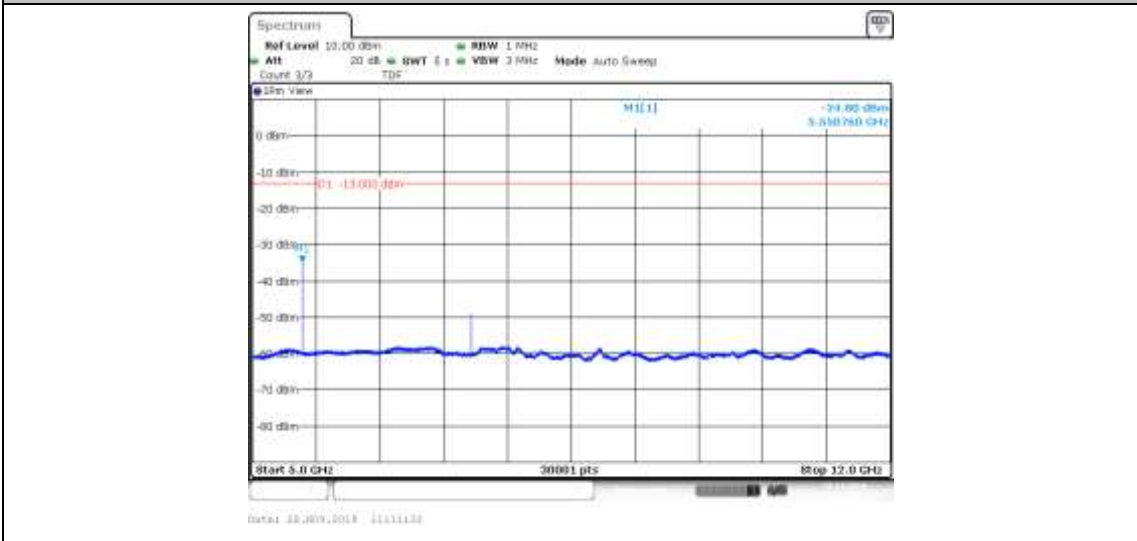
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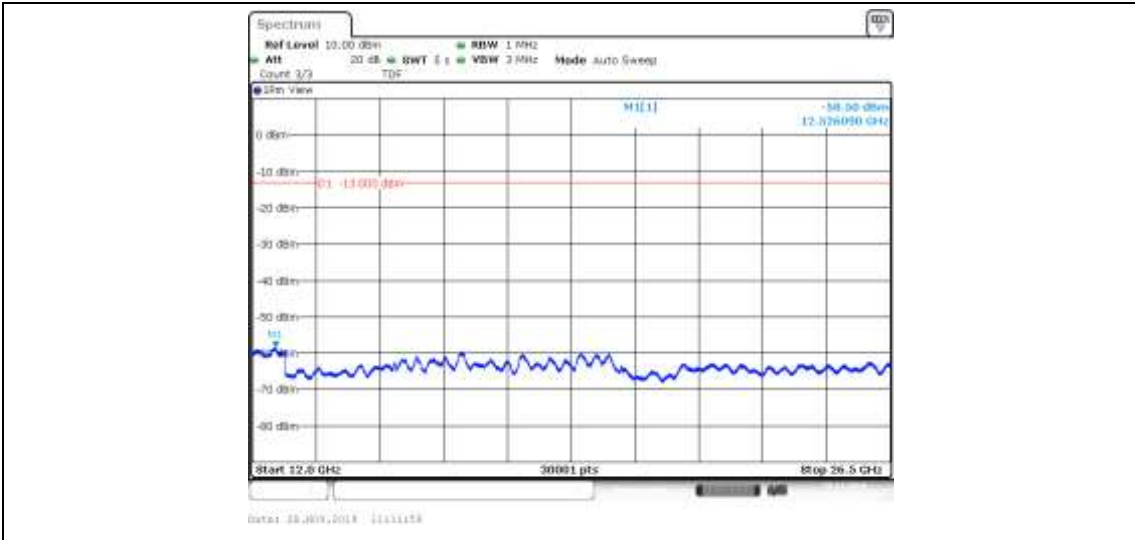
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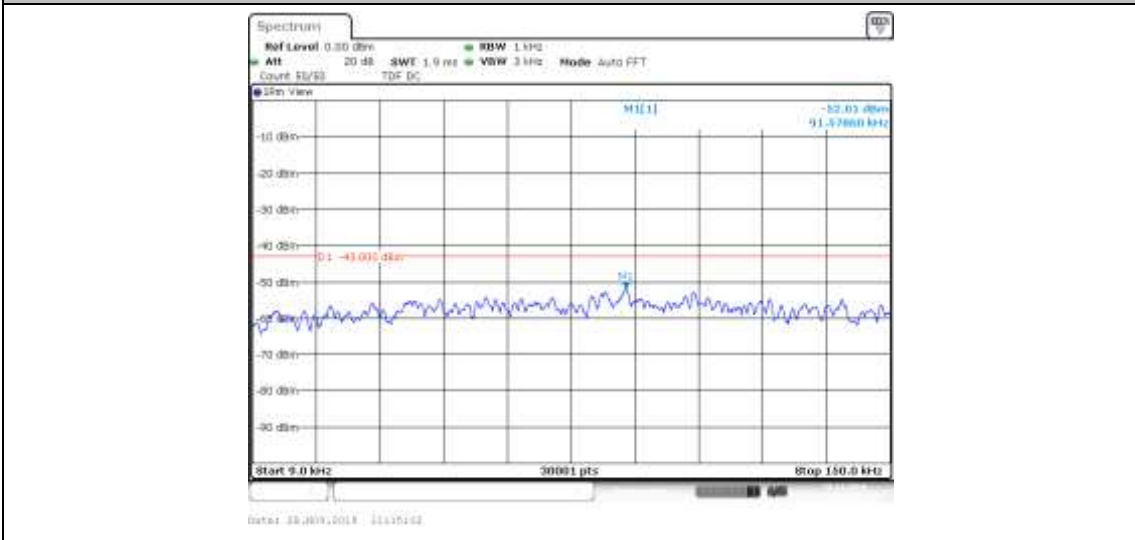
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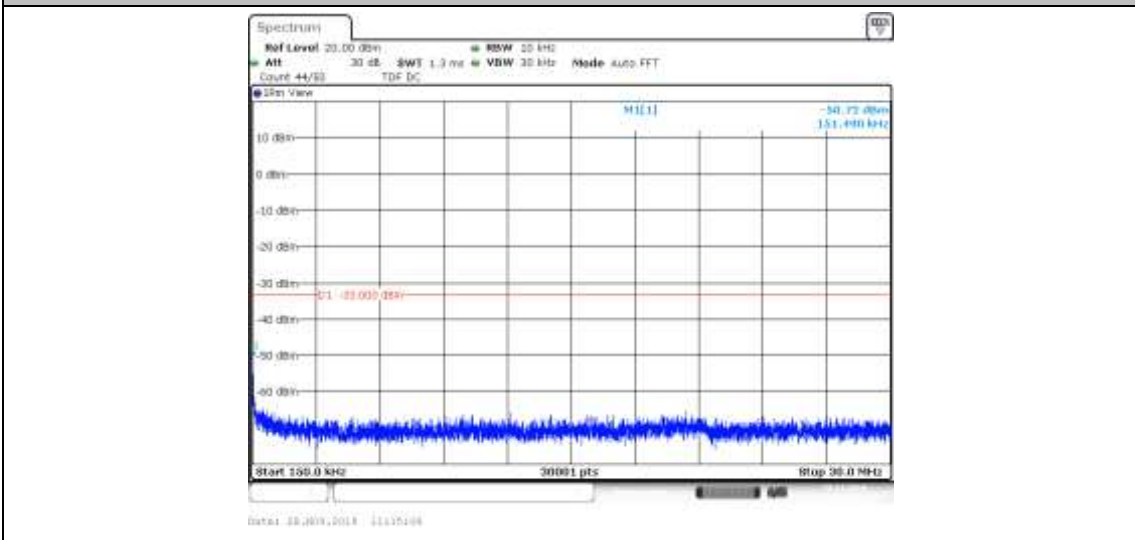
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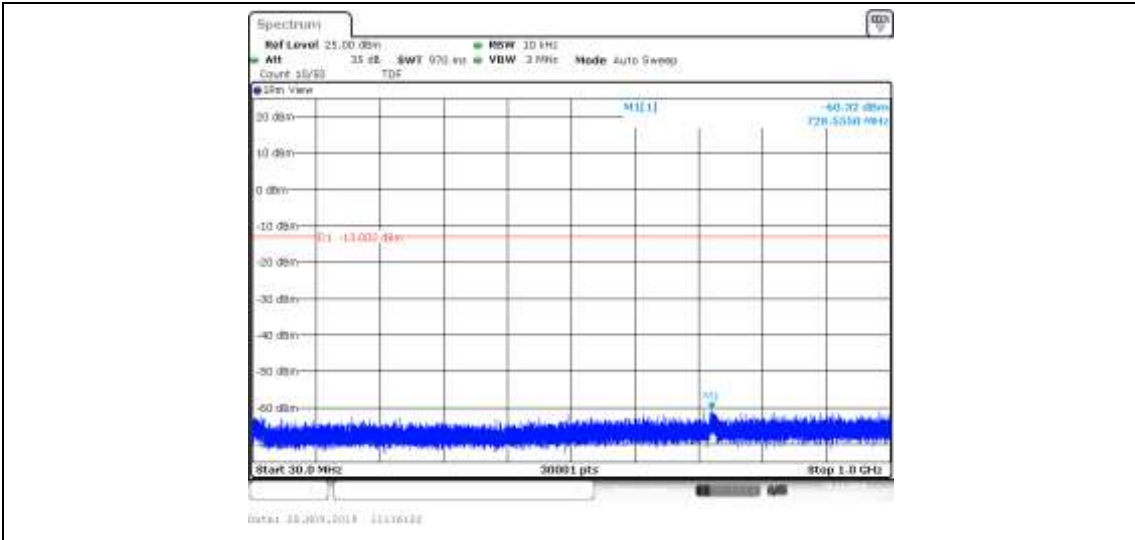
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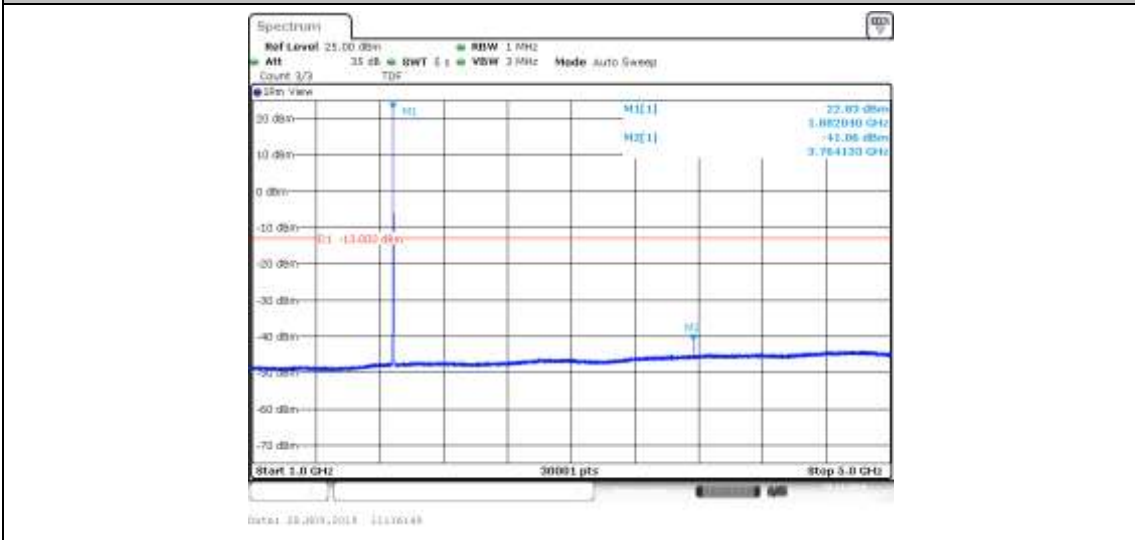
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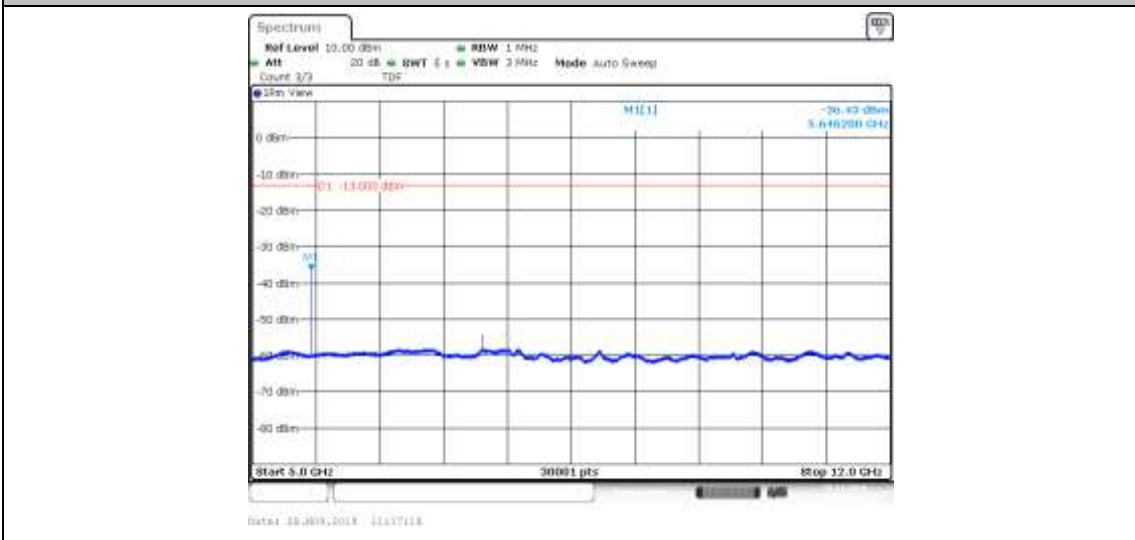
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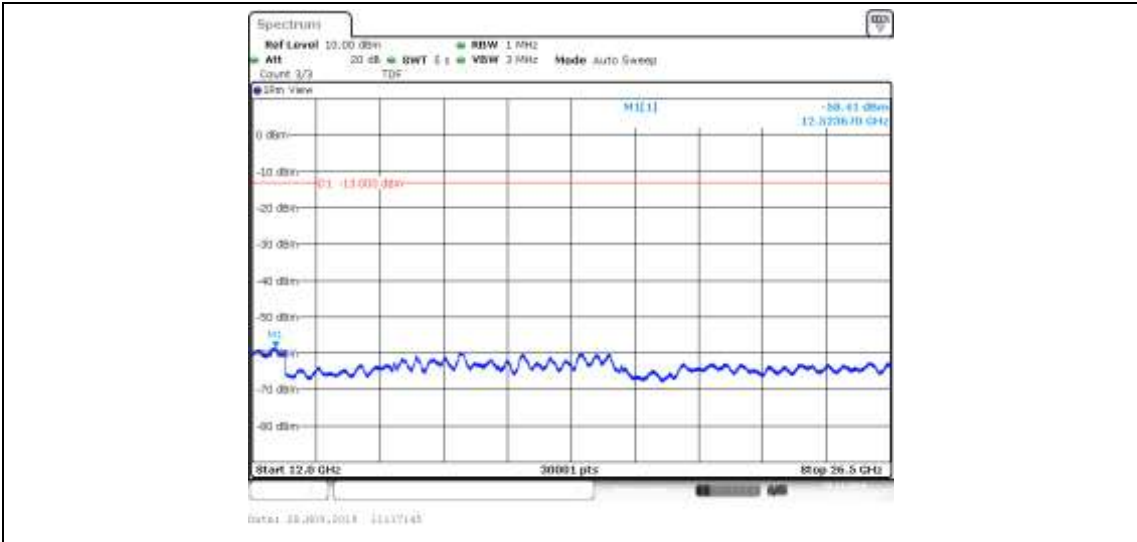
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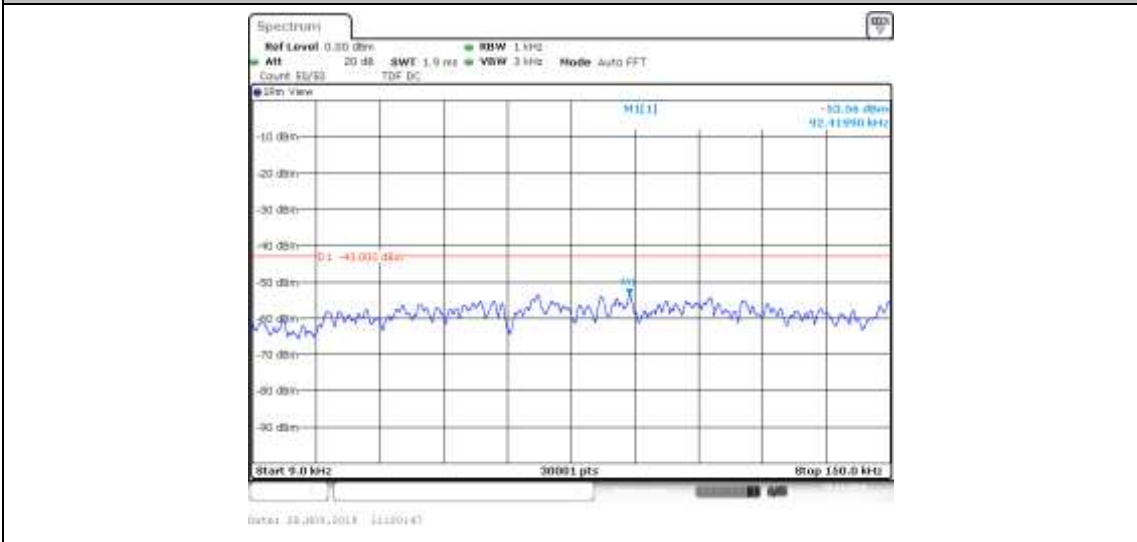
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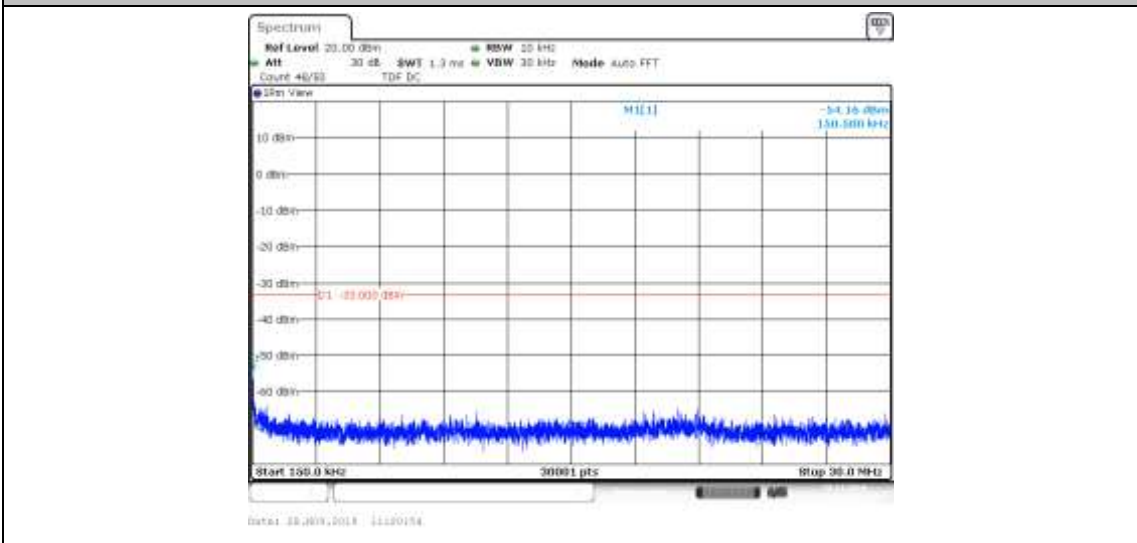
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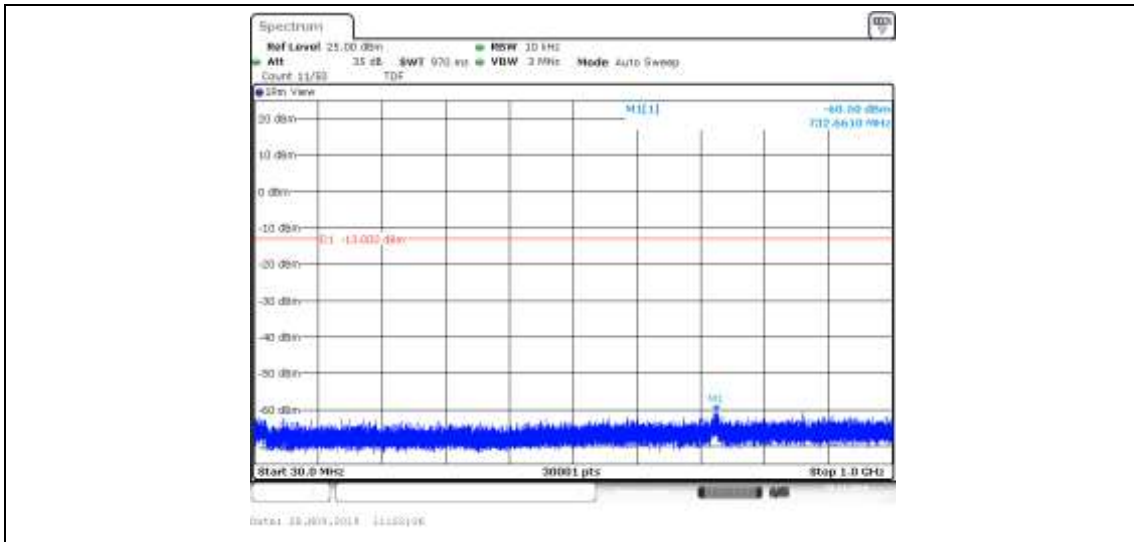
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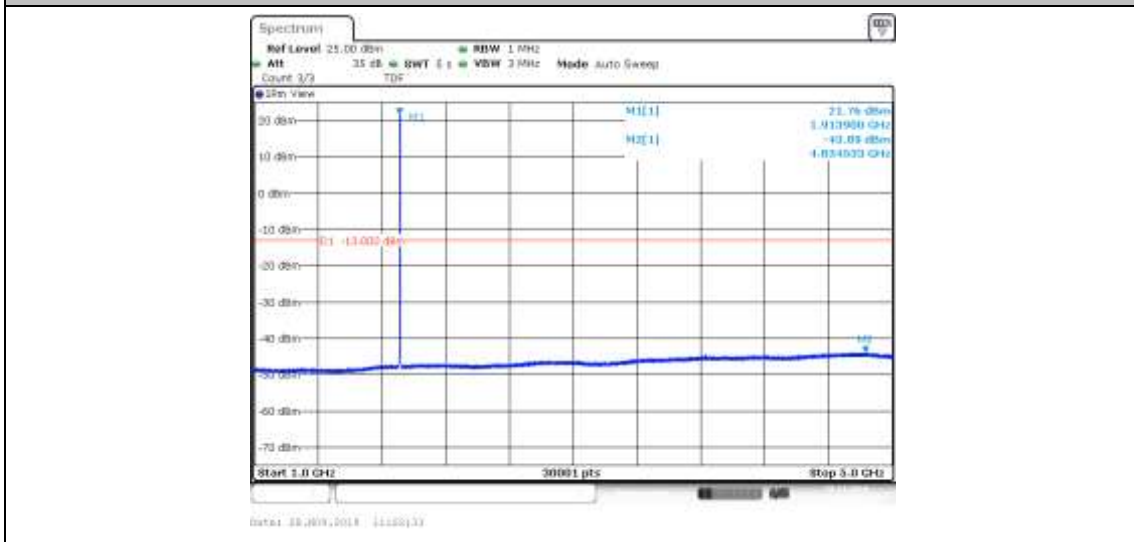
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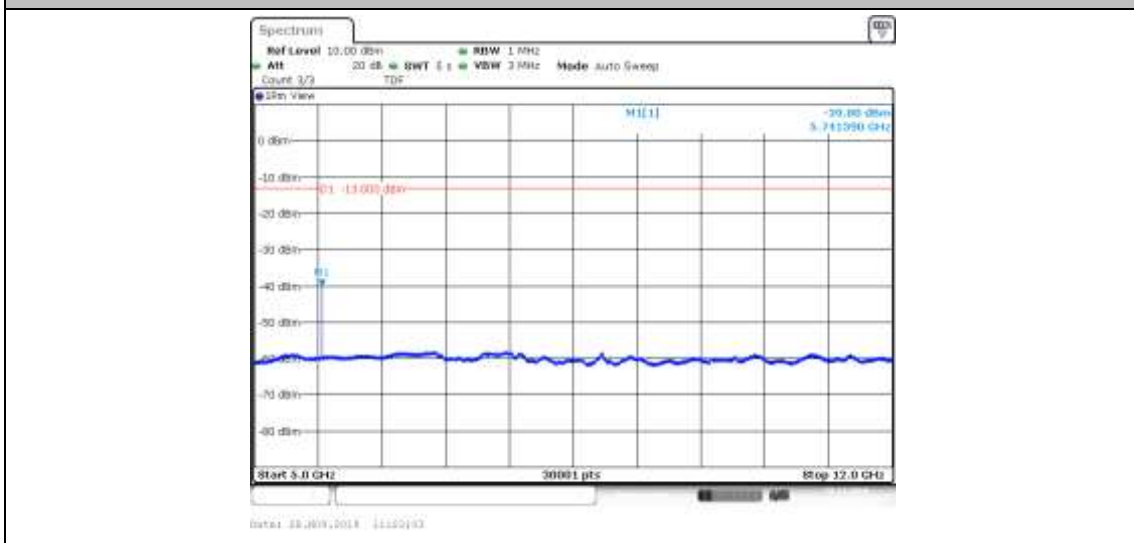
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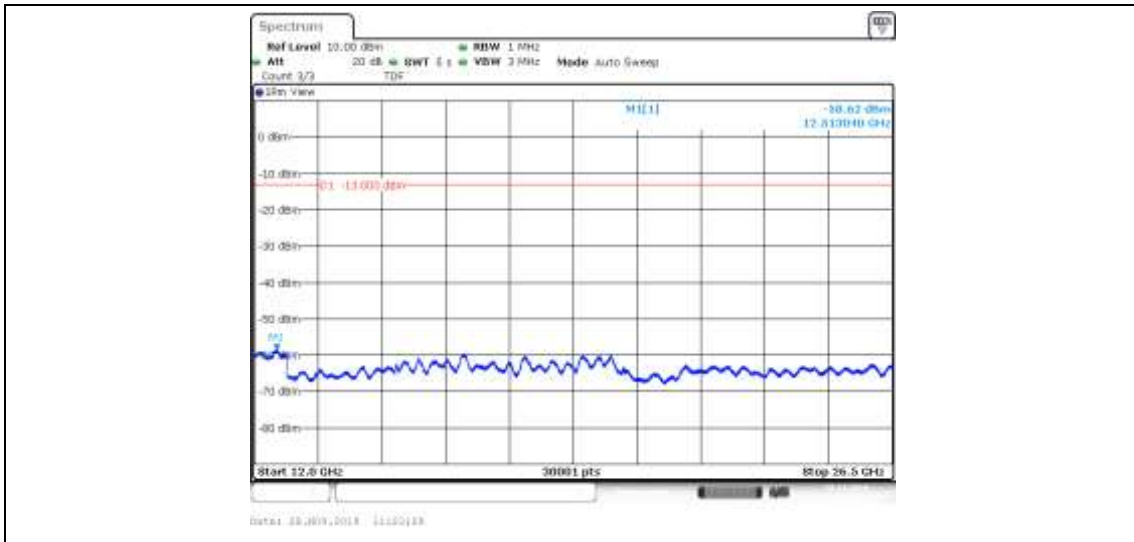
2/F, Building 1 and 1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

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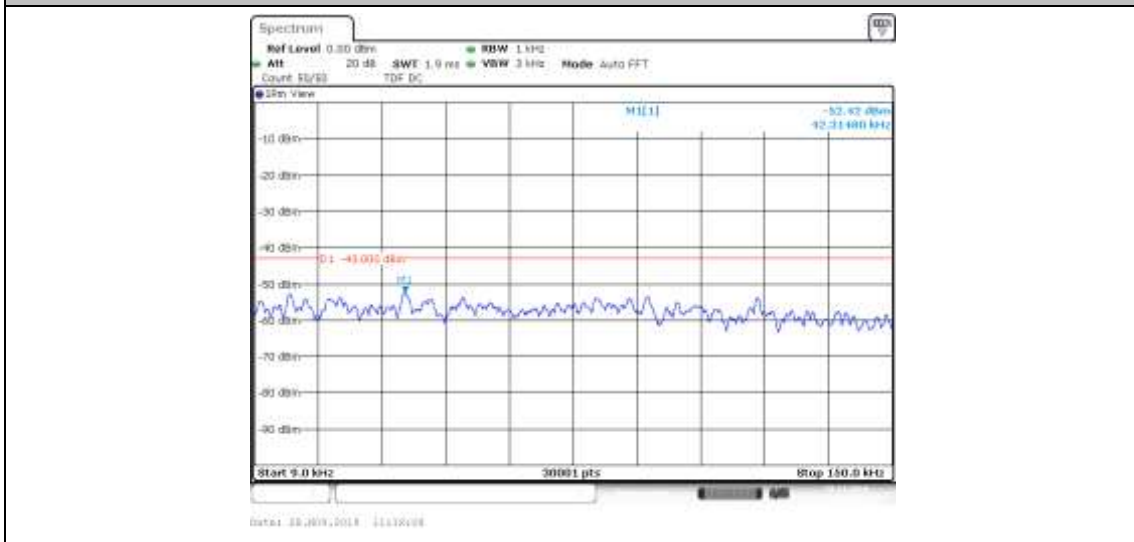
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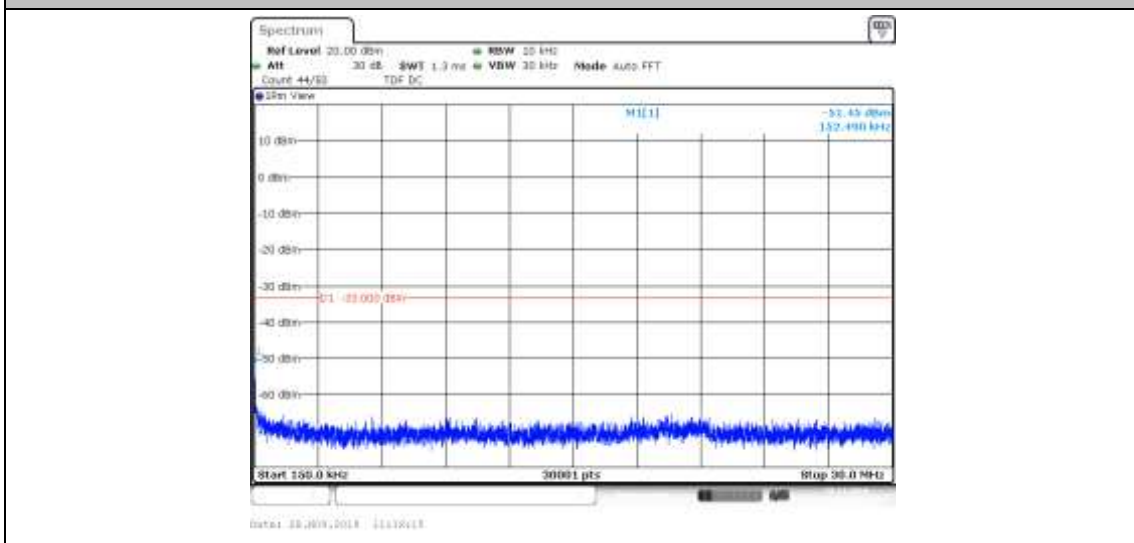




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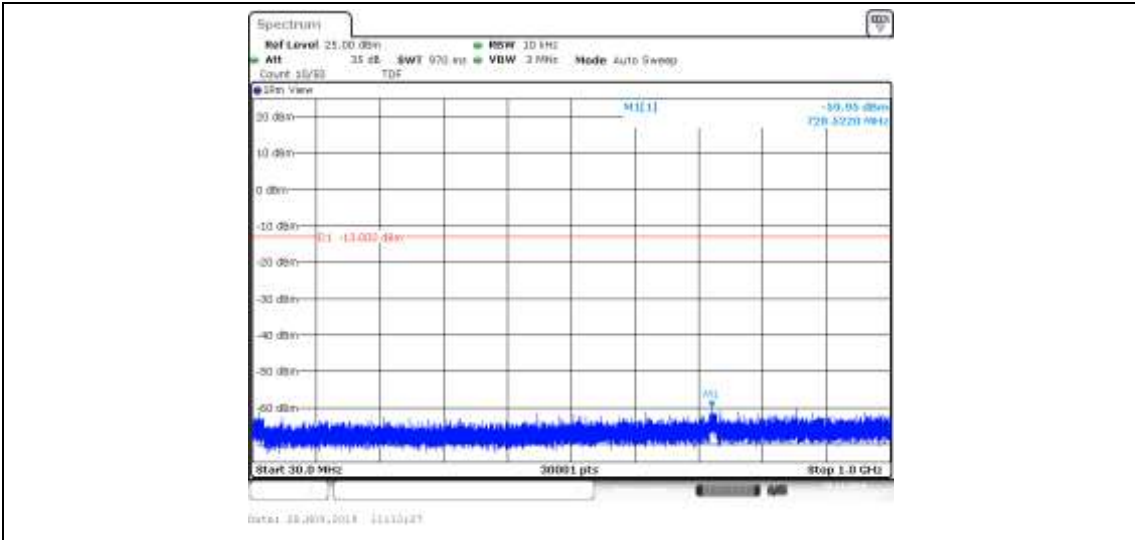


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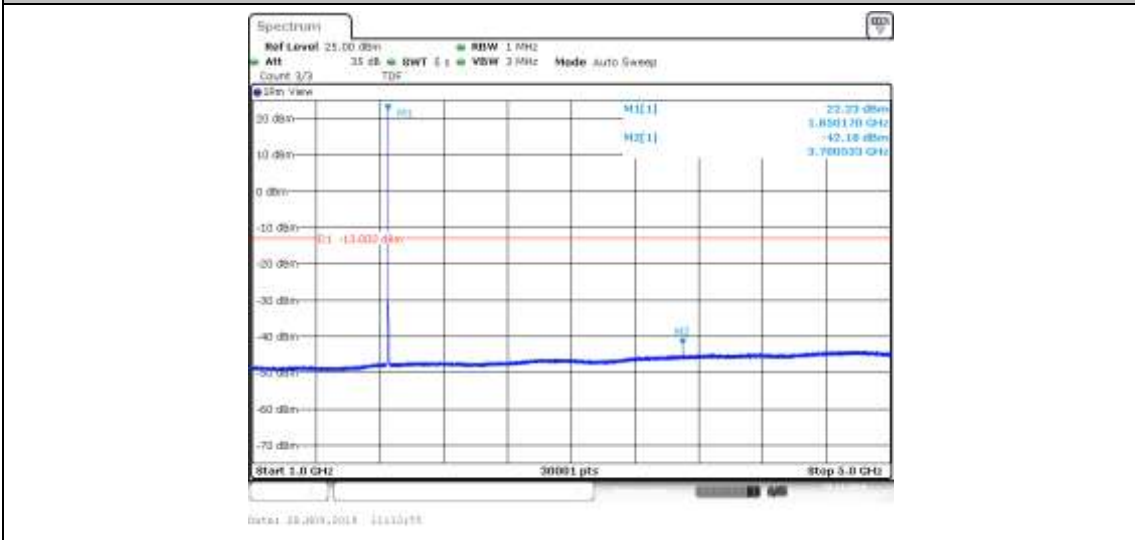


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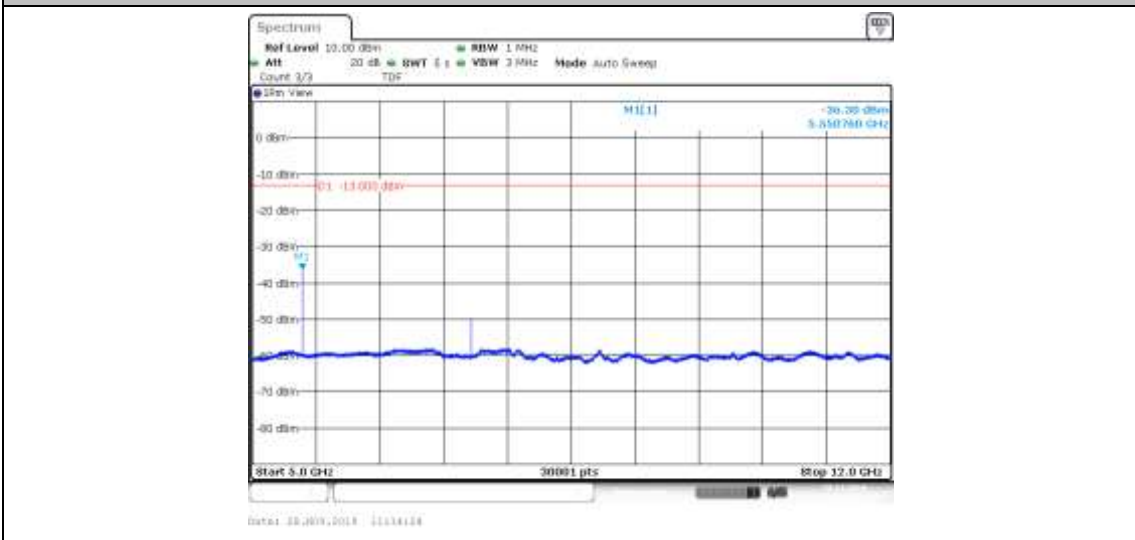




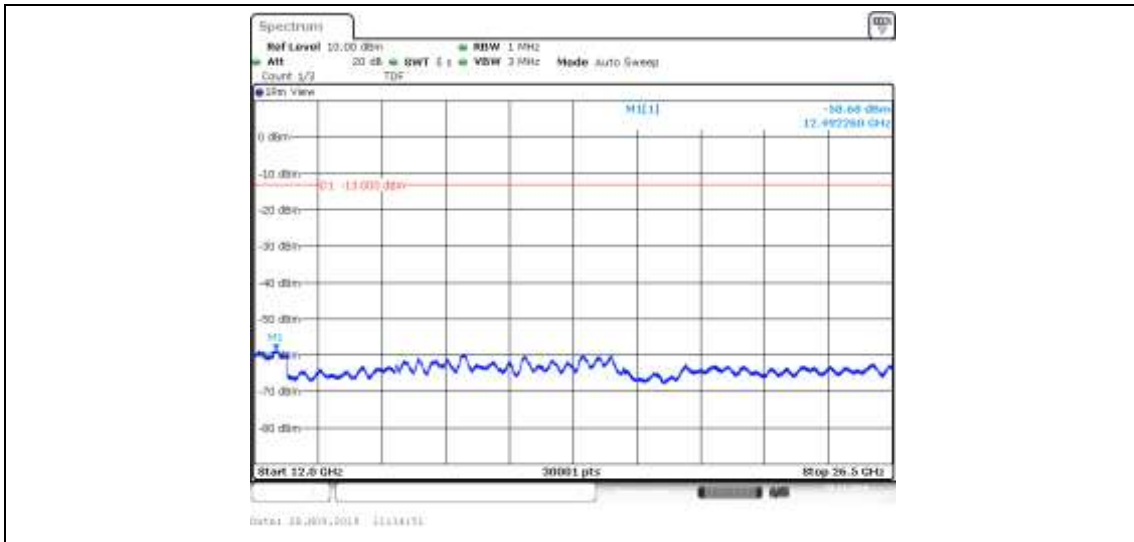
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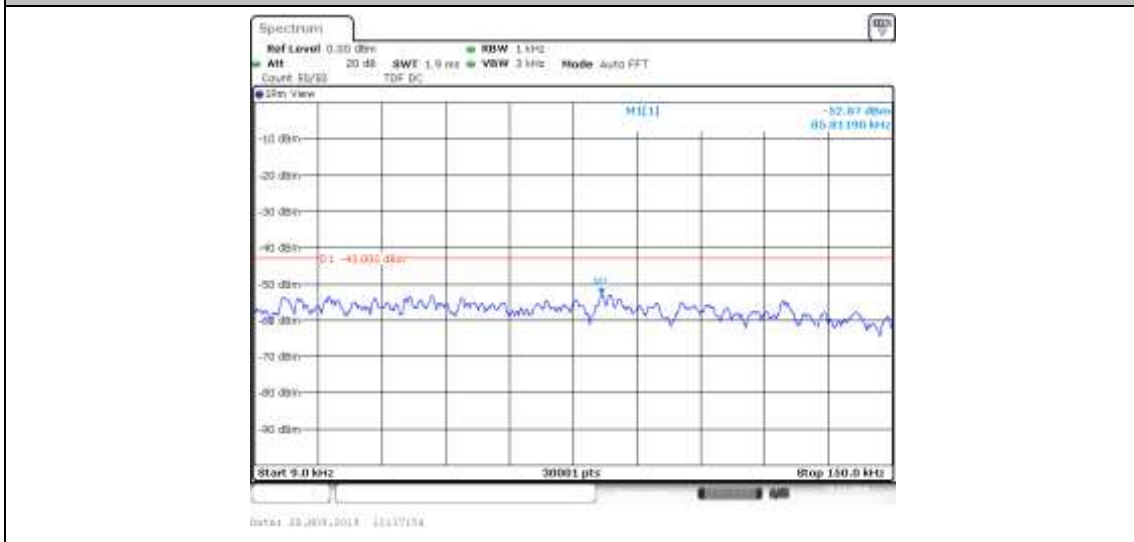
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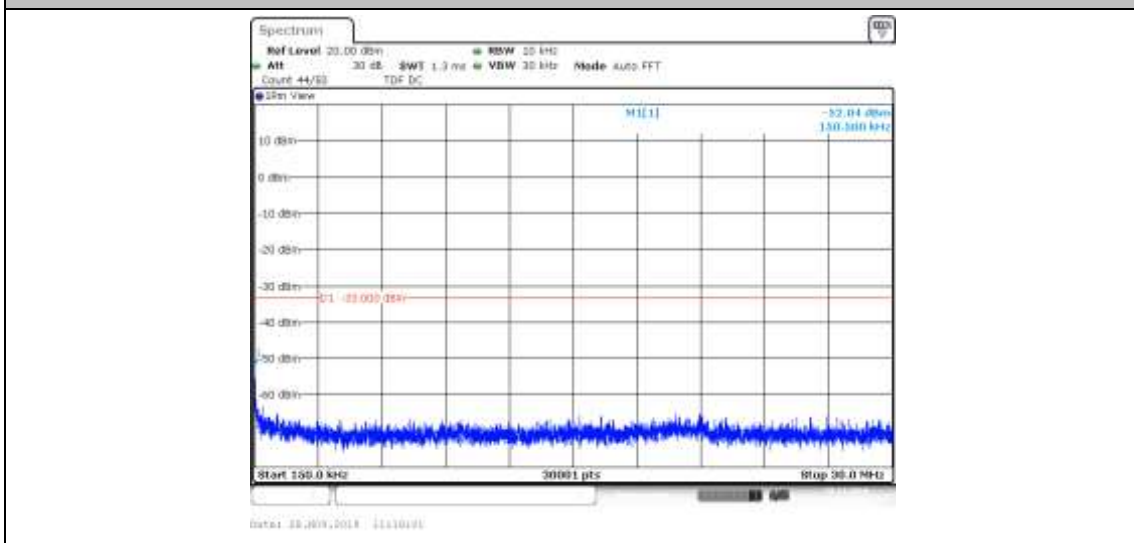
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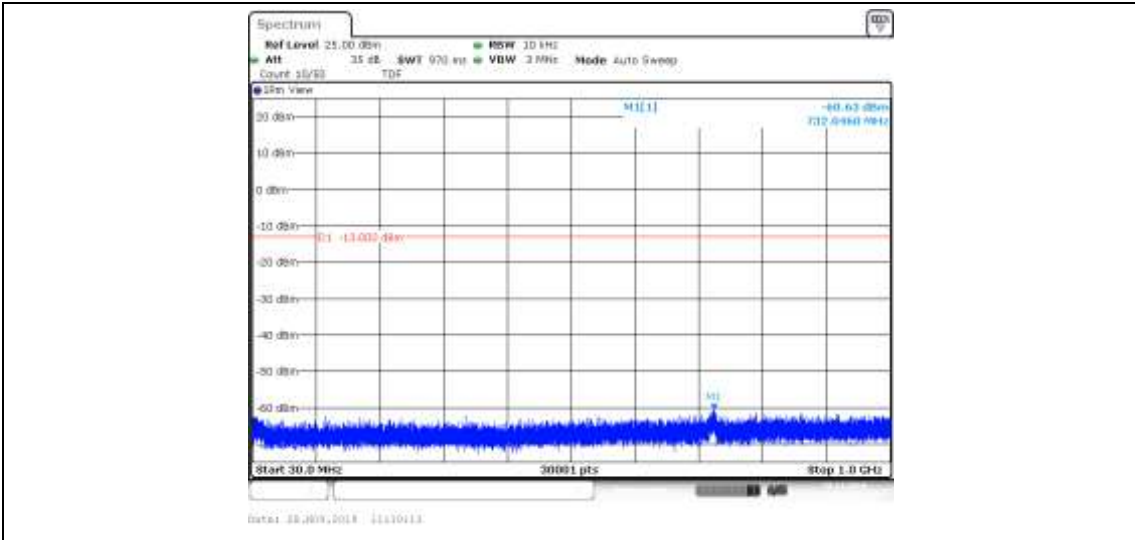
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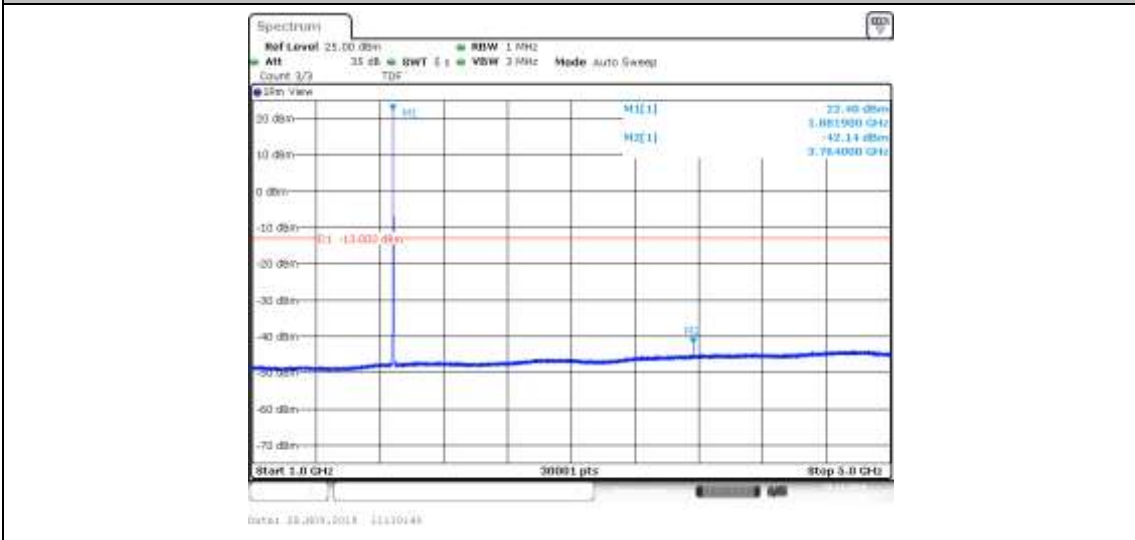
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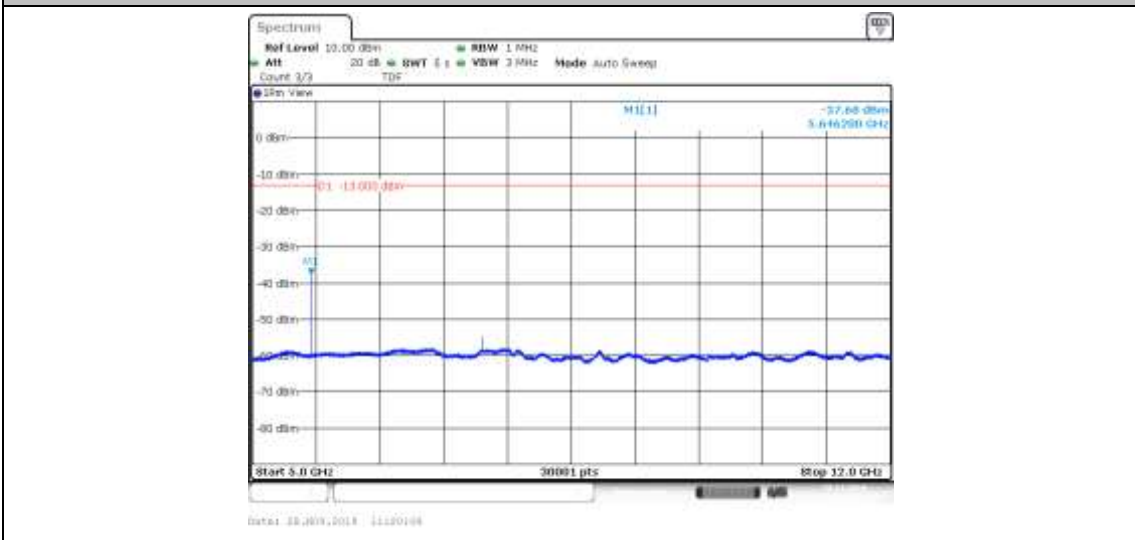
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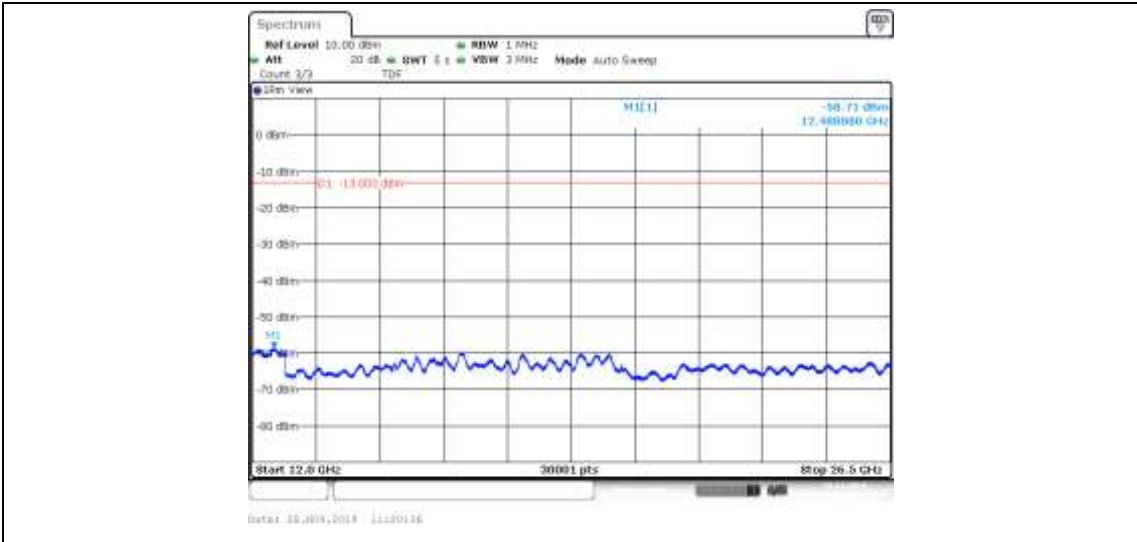
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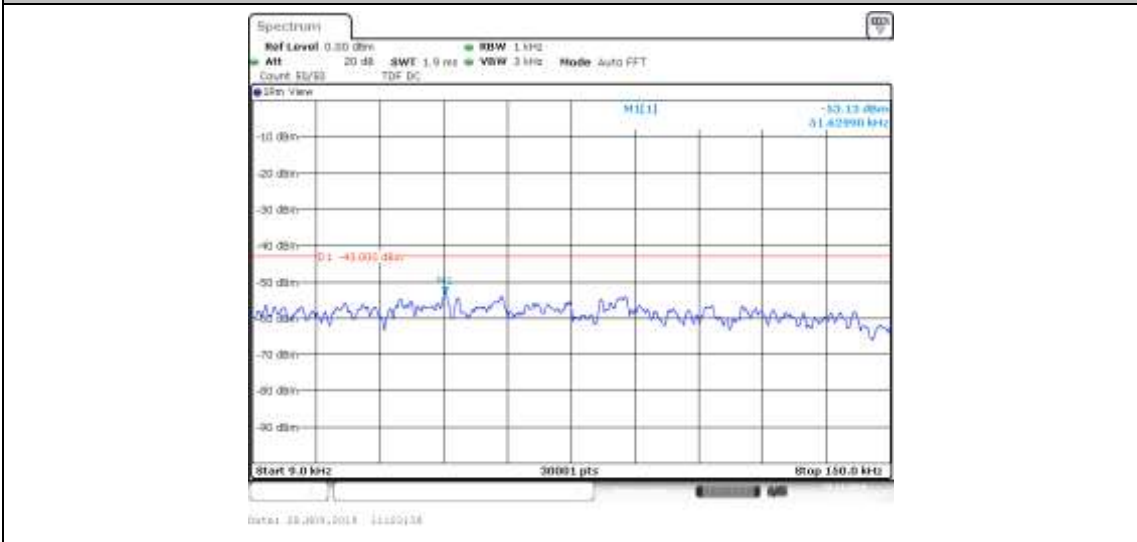
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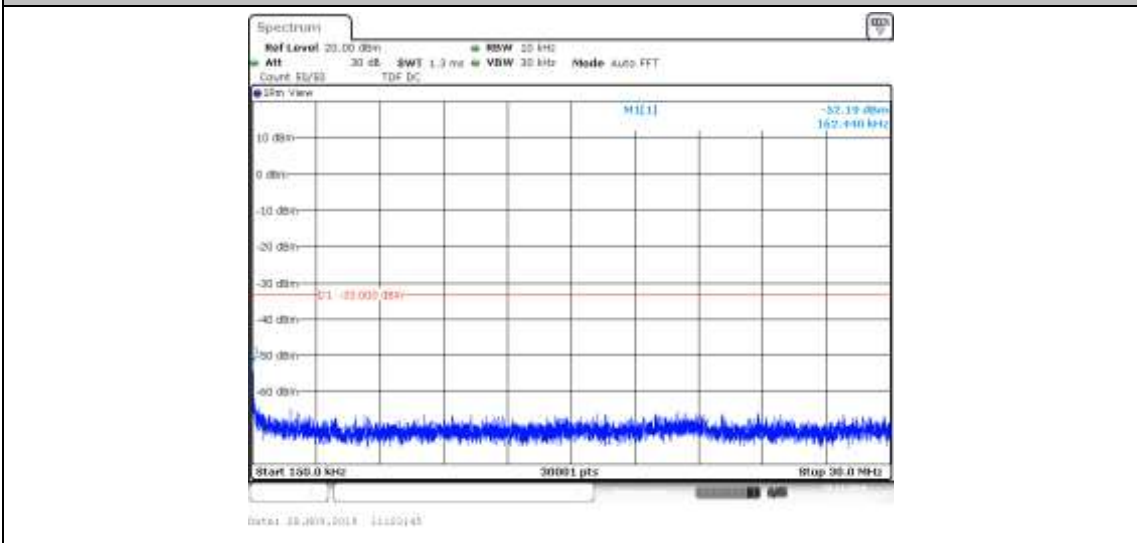
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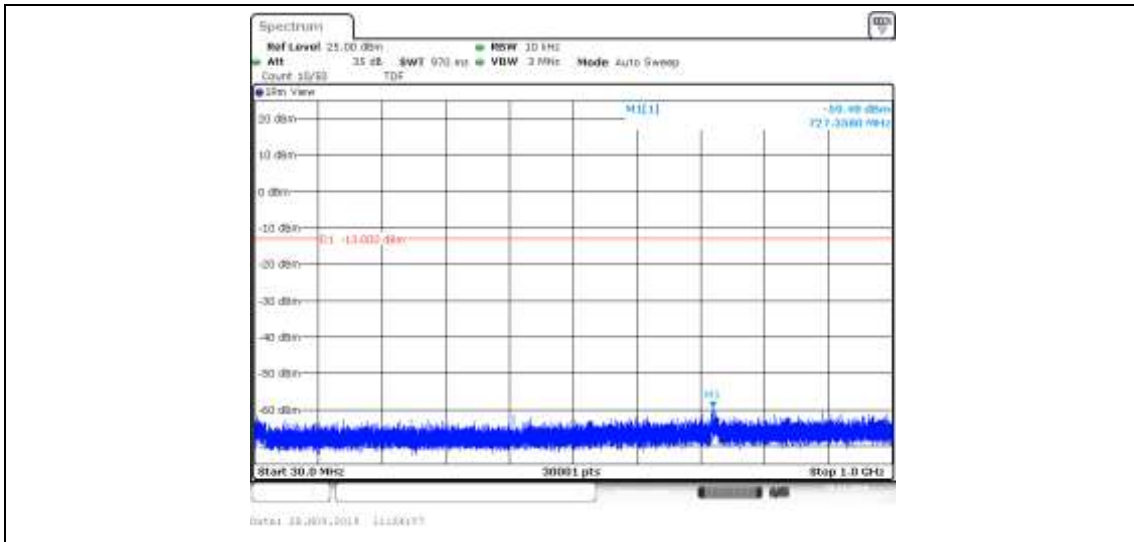
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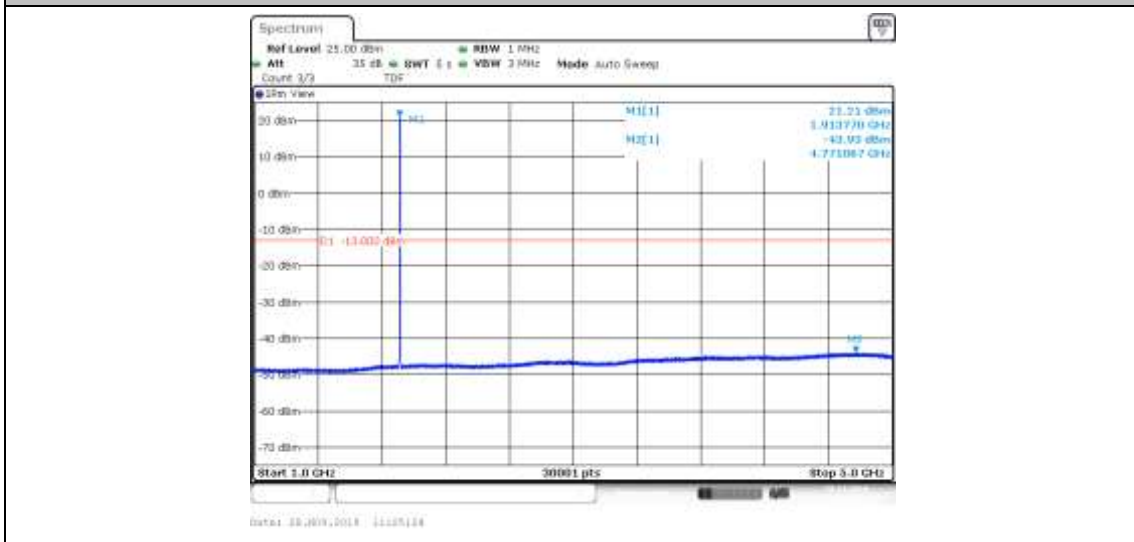
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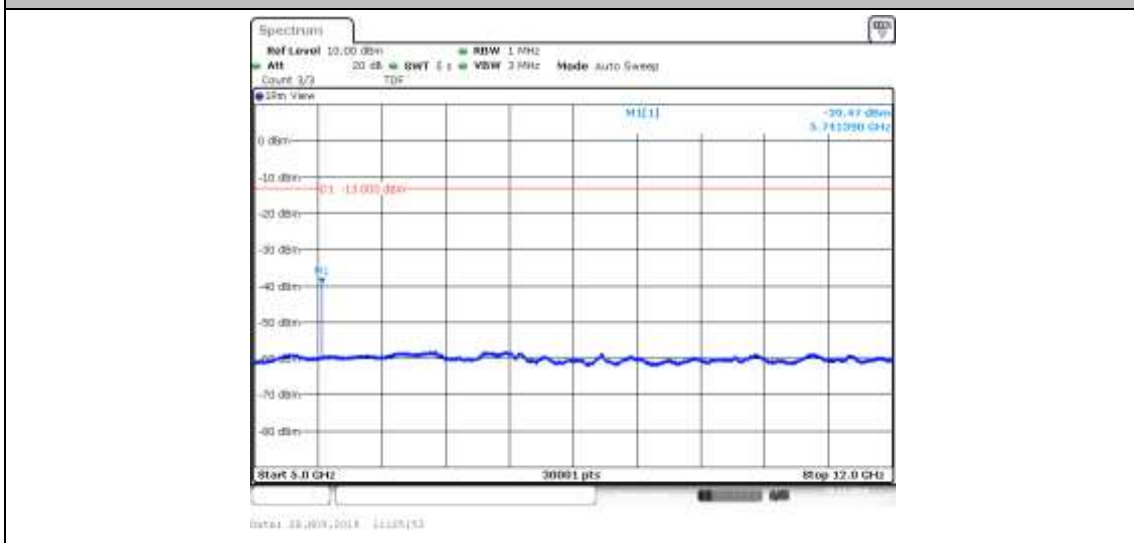
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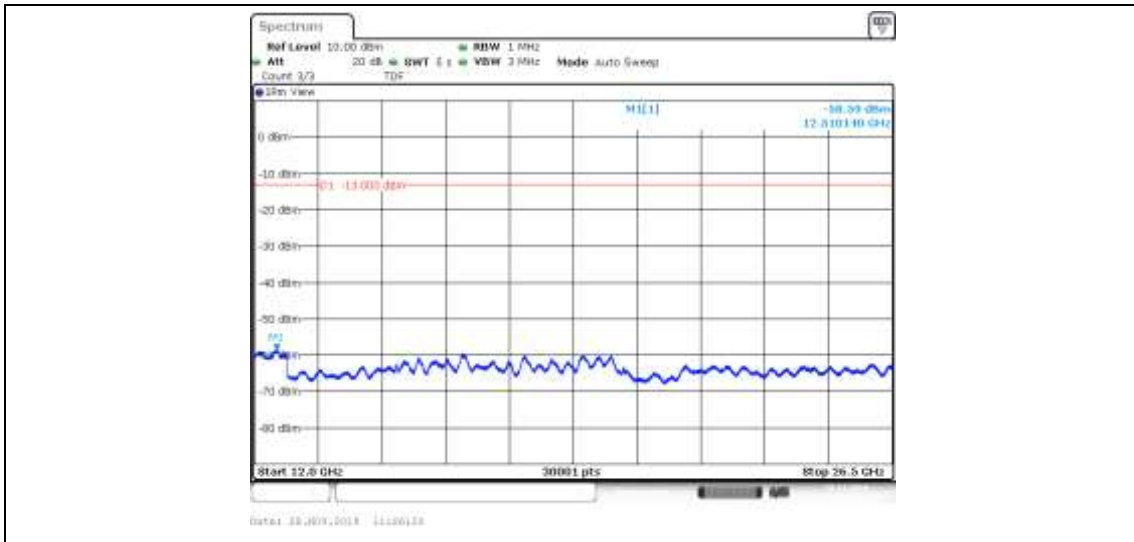
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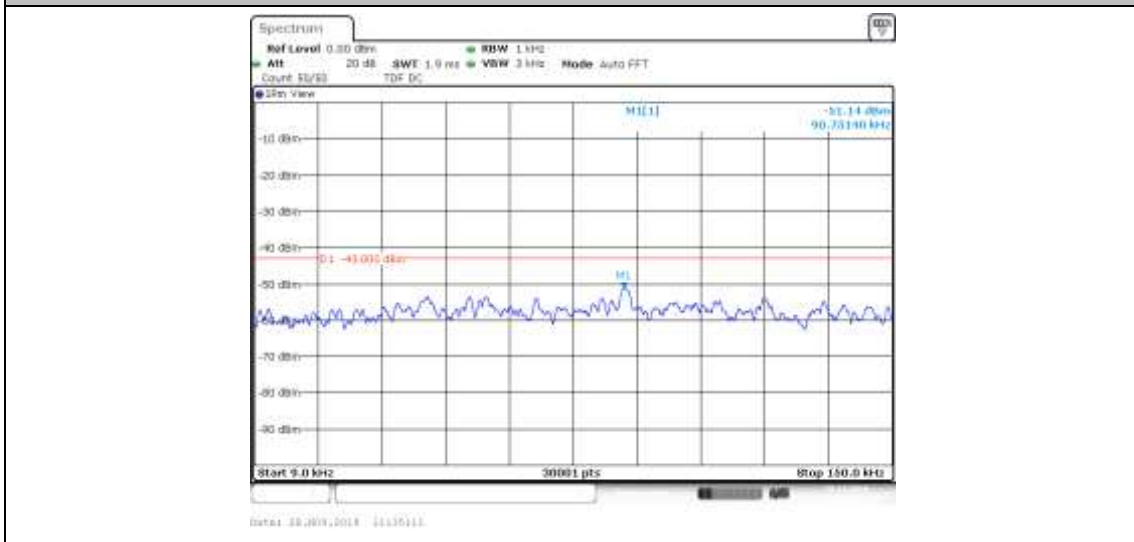
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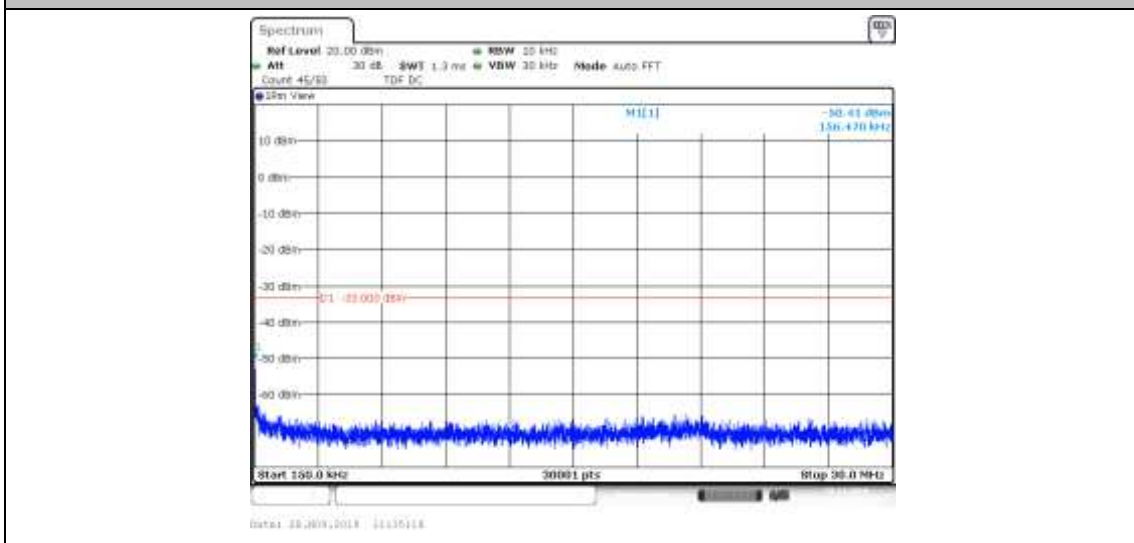
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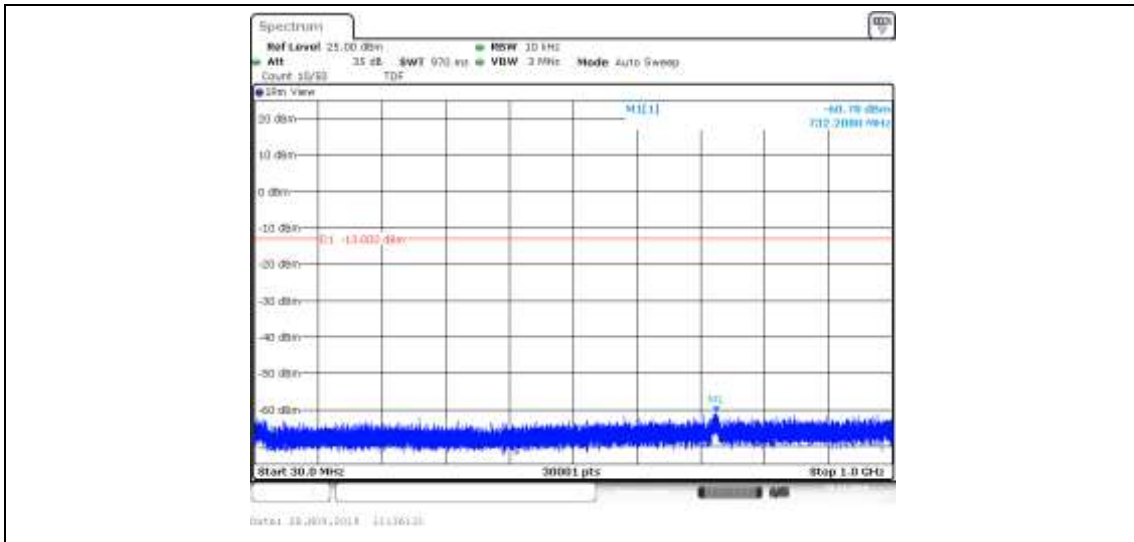


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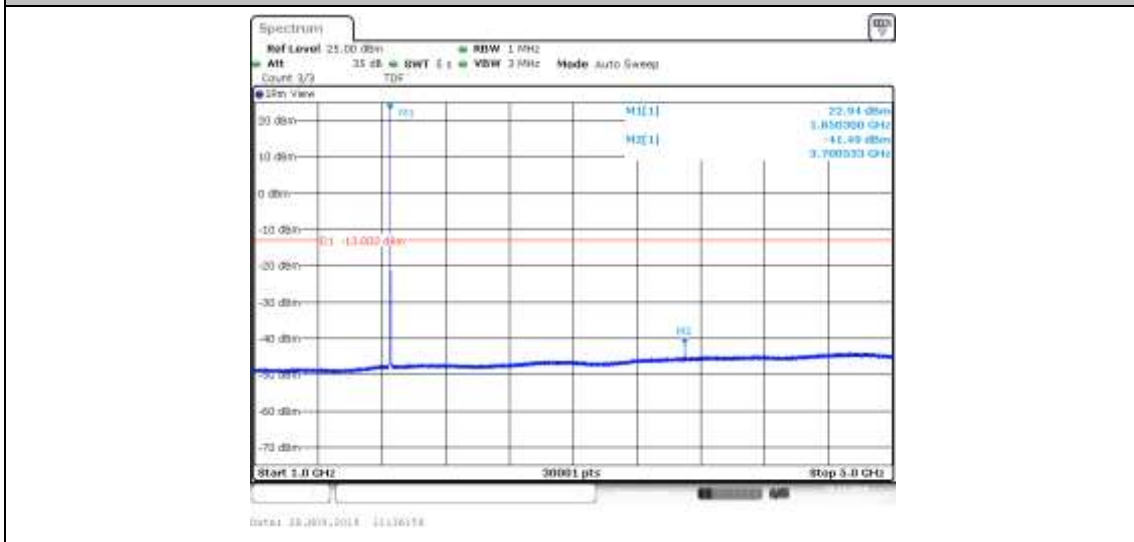


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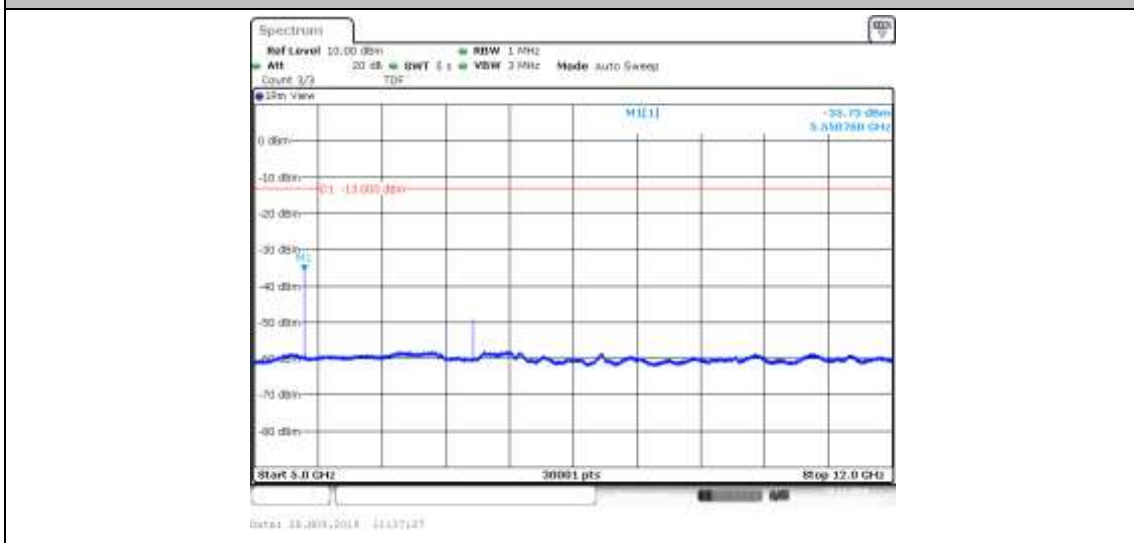




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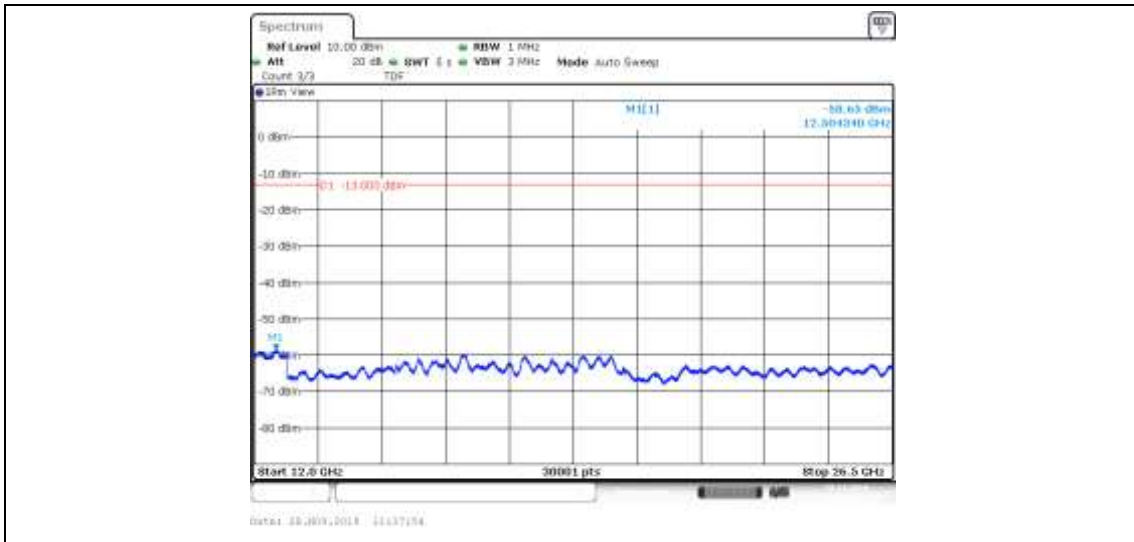


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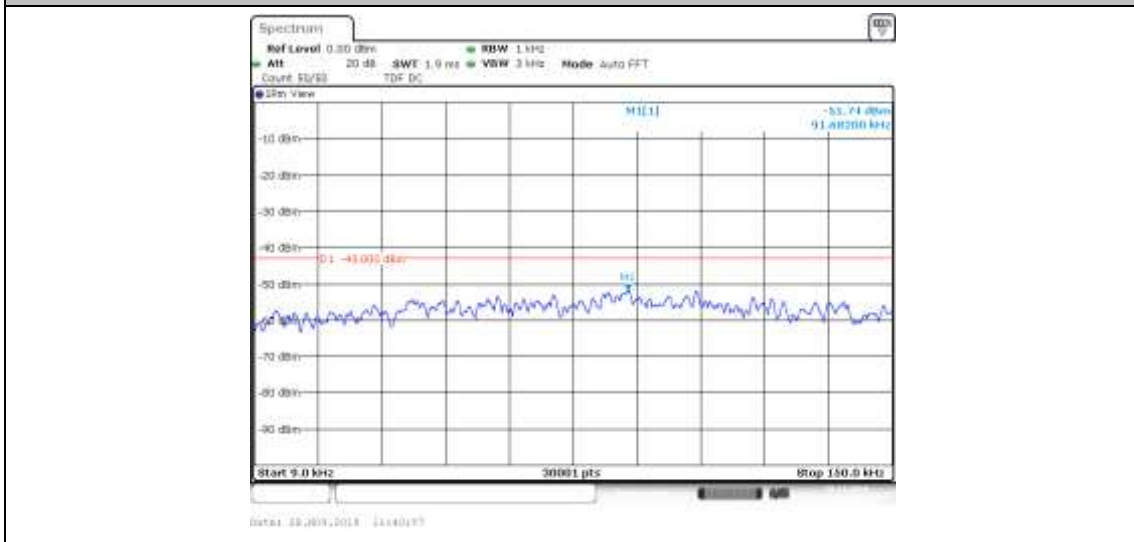


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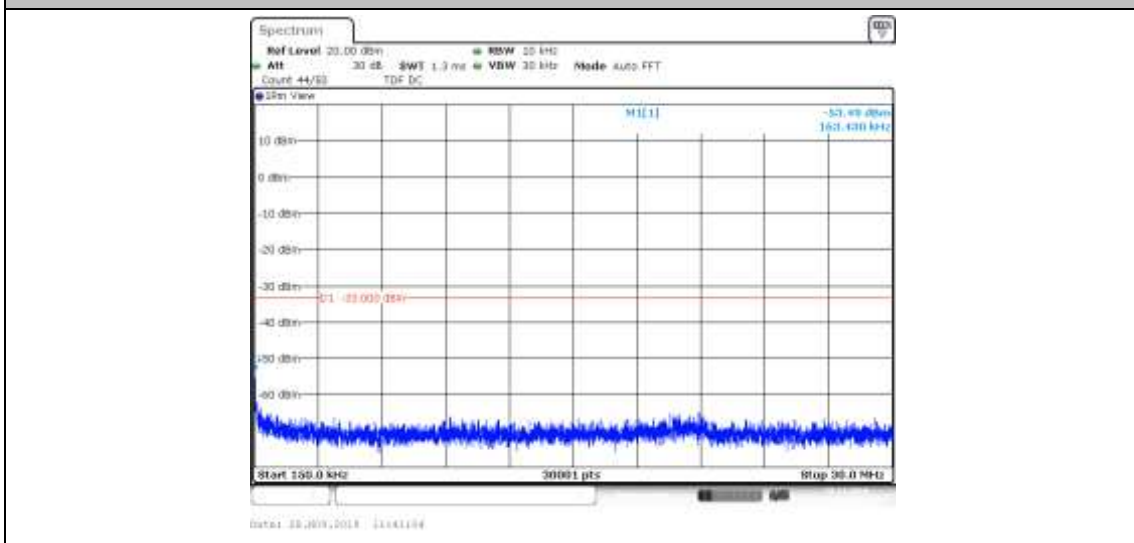




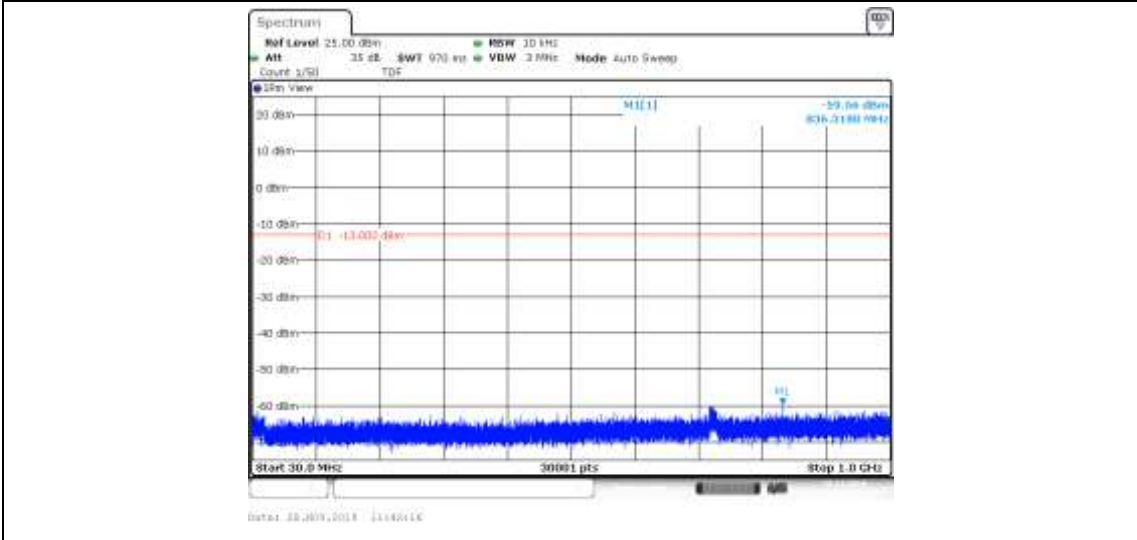
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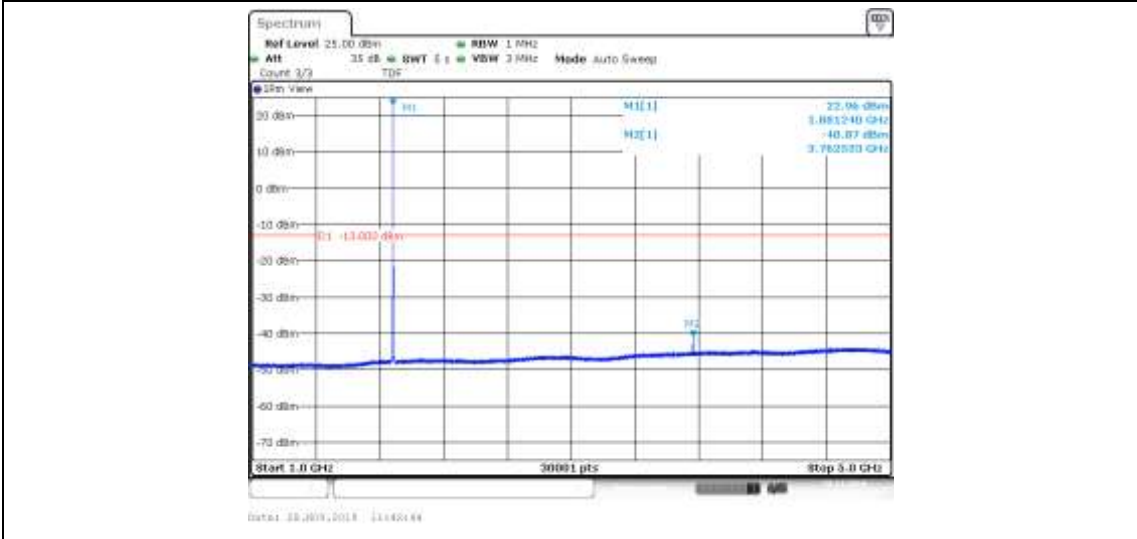
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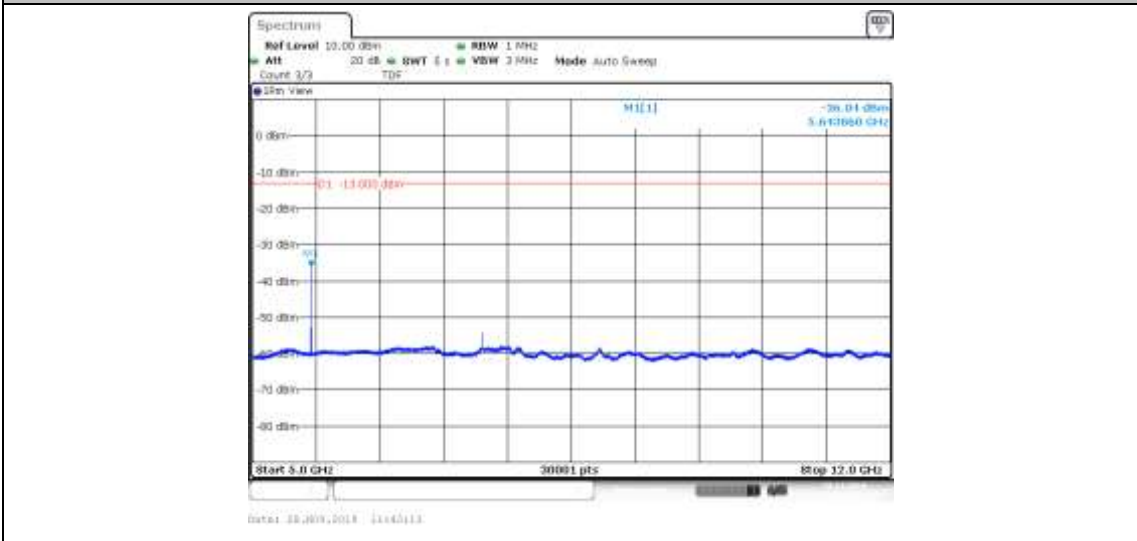
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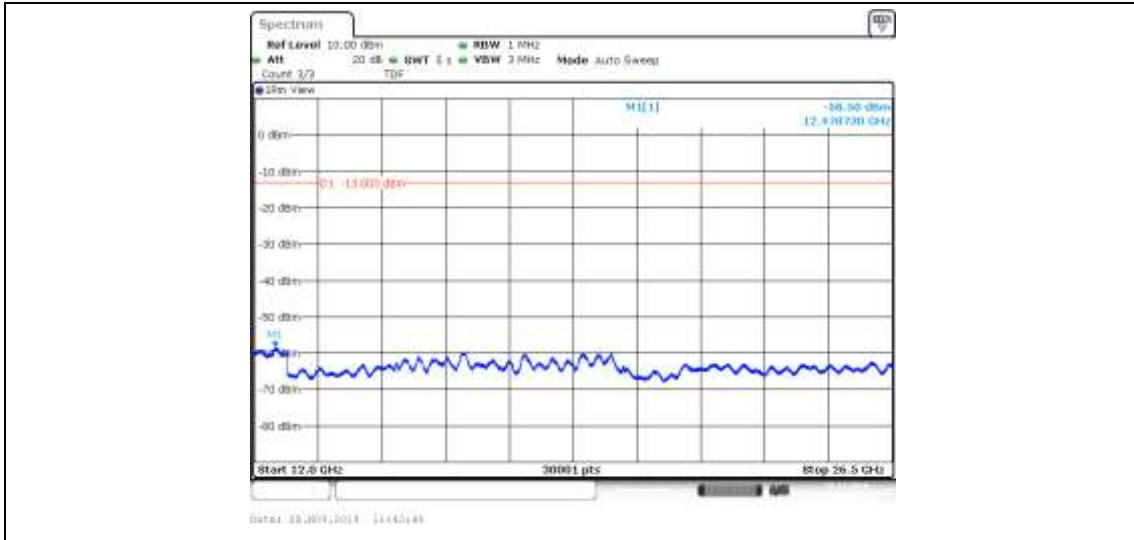
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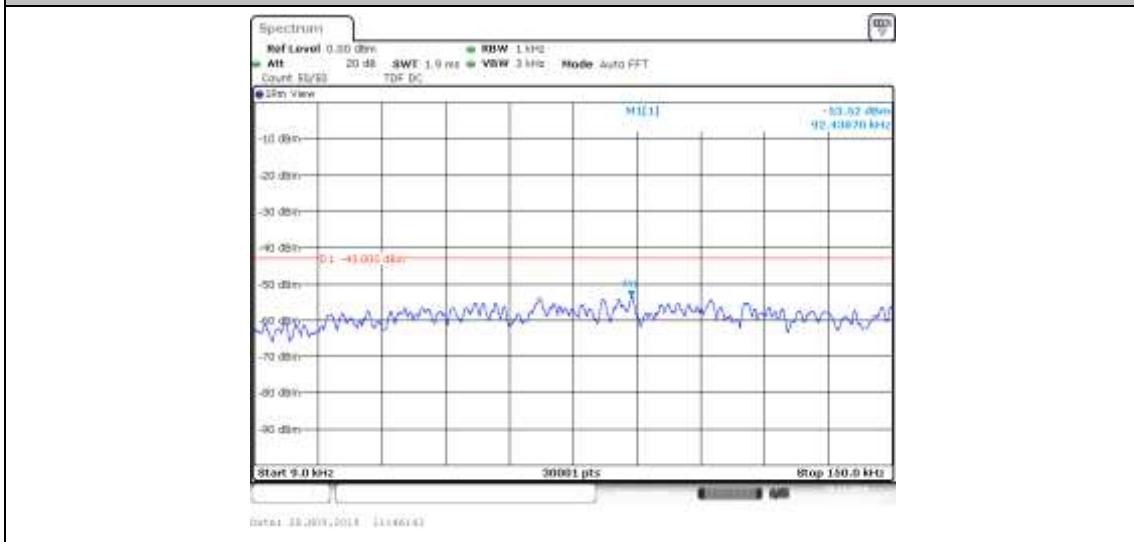
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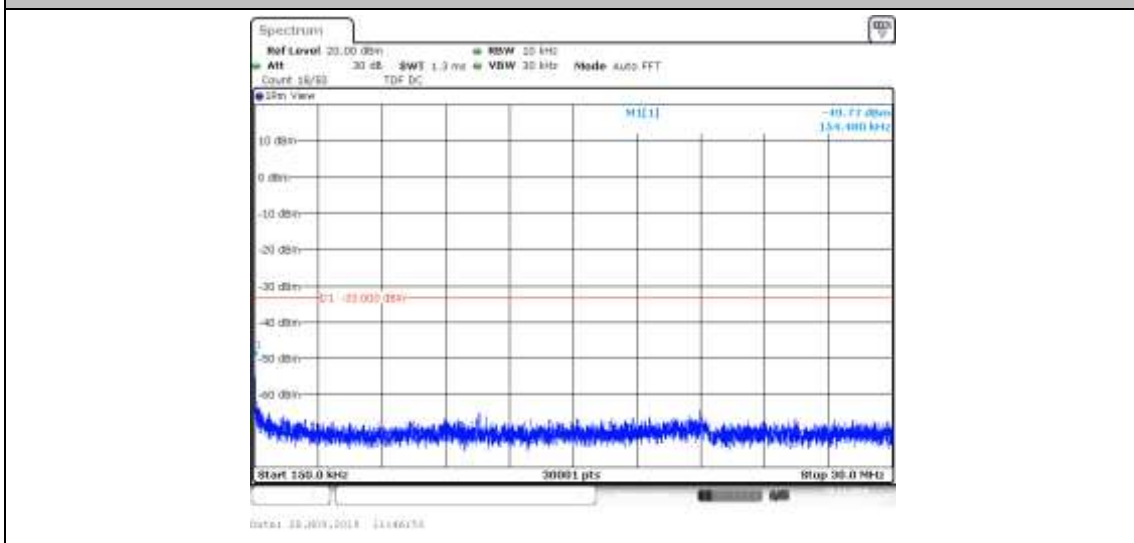
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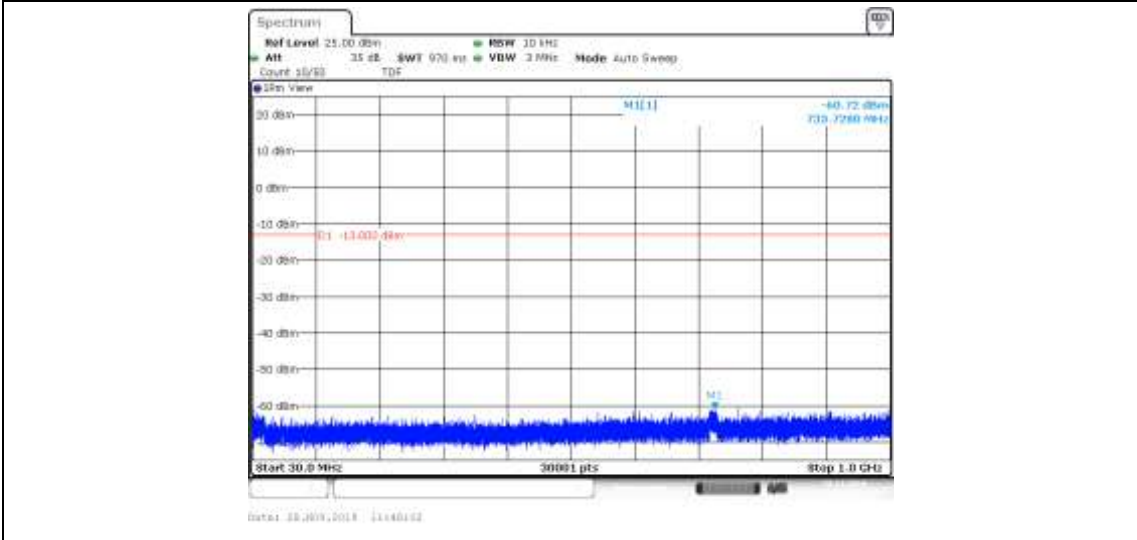
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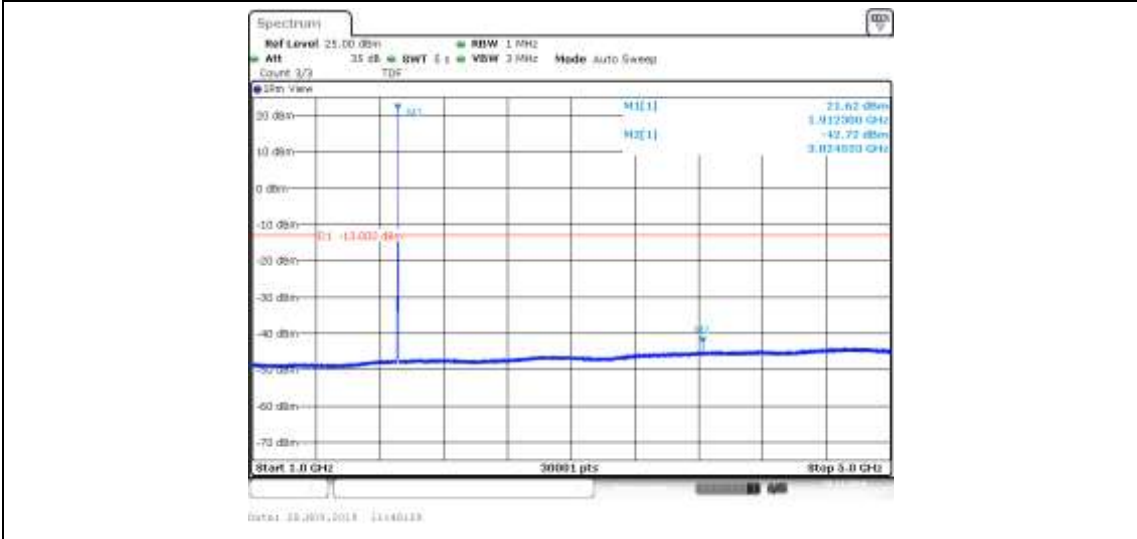
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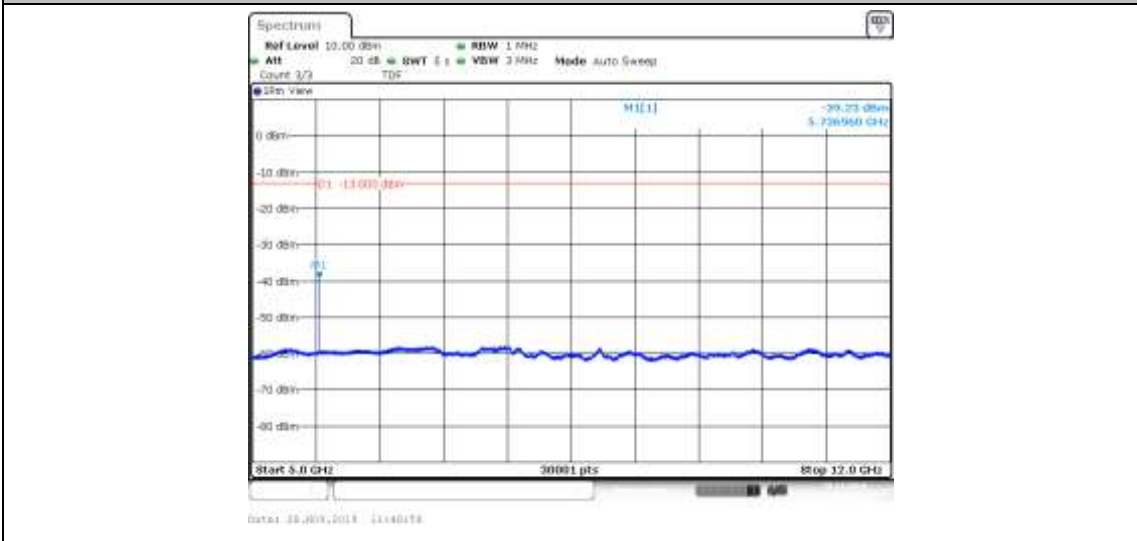
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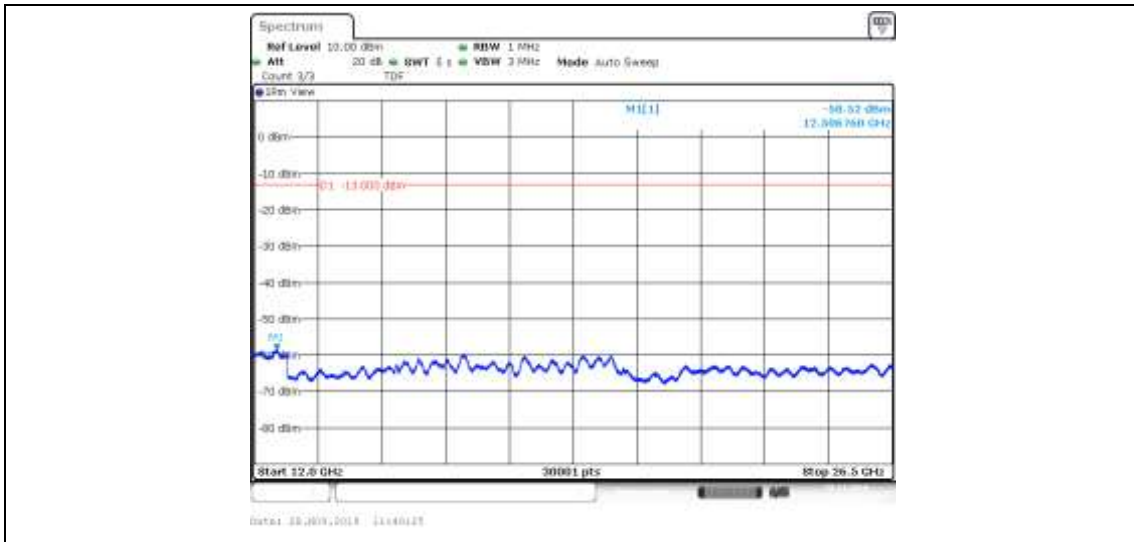
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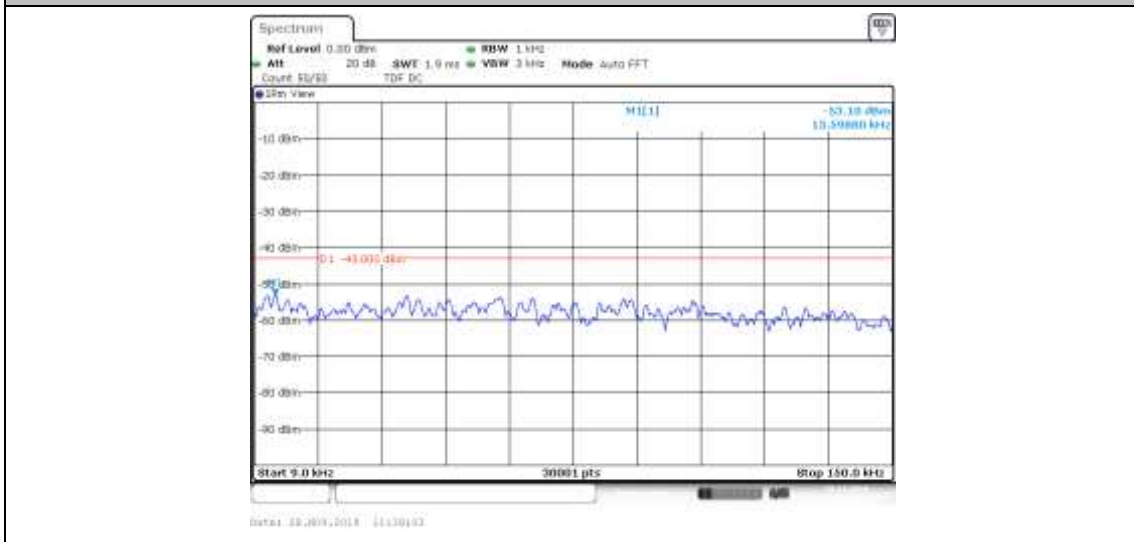
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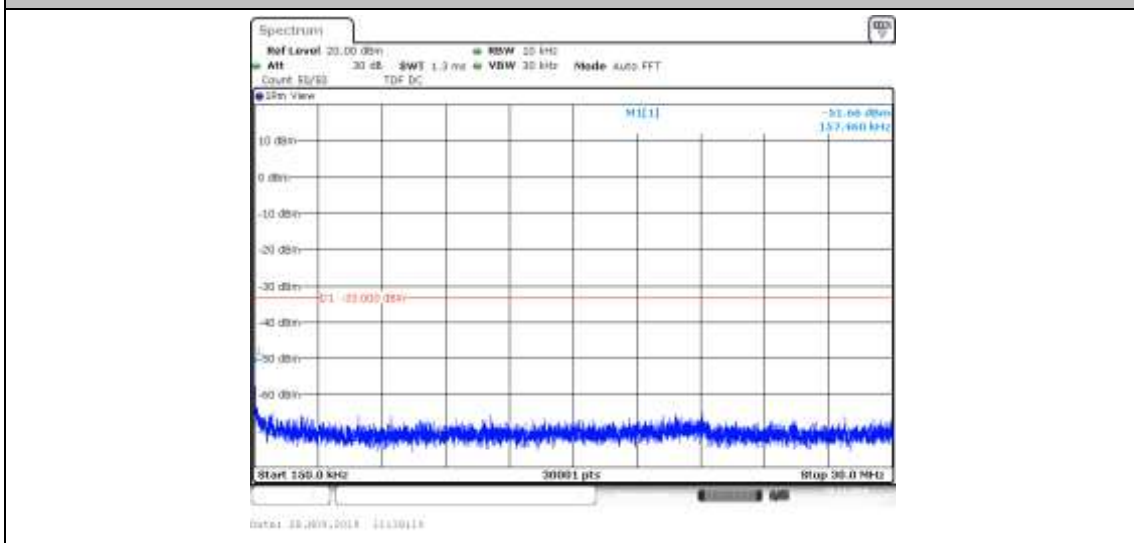
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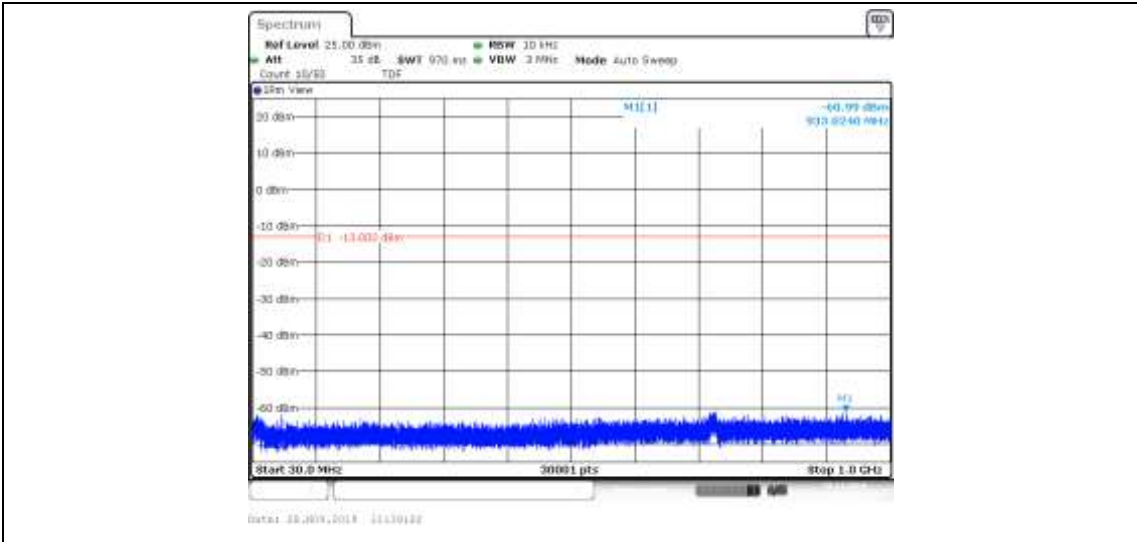
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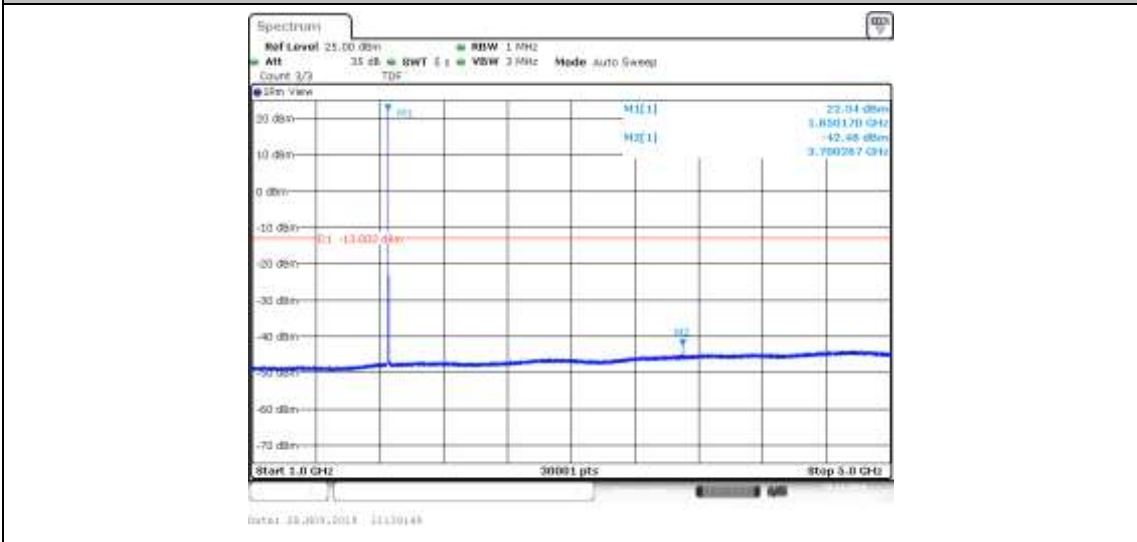
Tel.: (86)755-27521059

Fax: (86)755-27521011

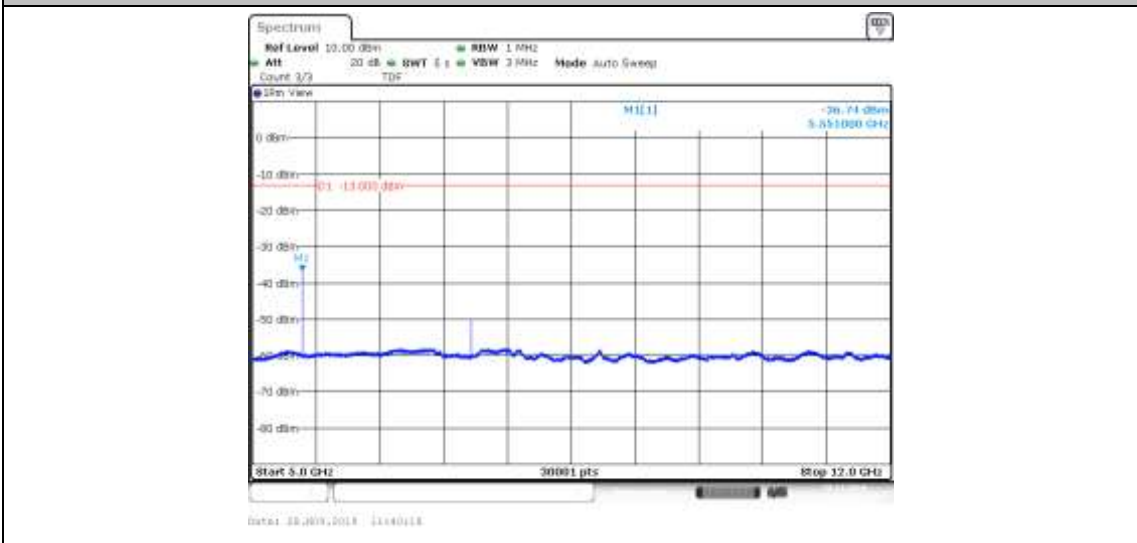
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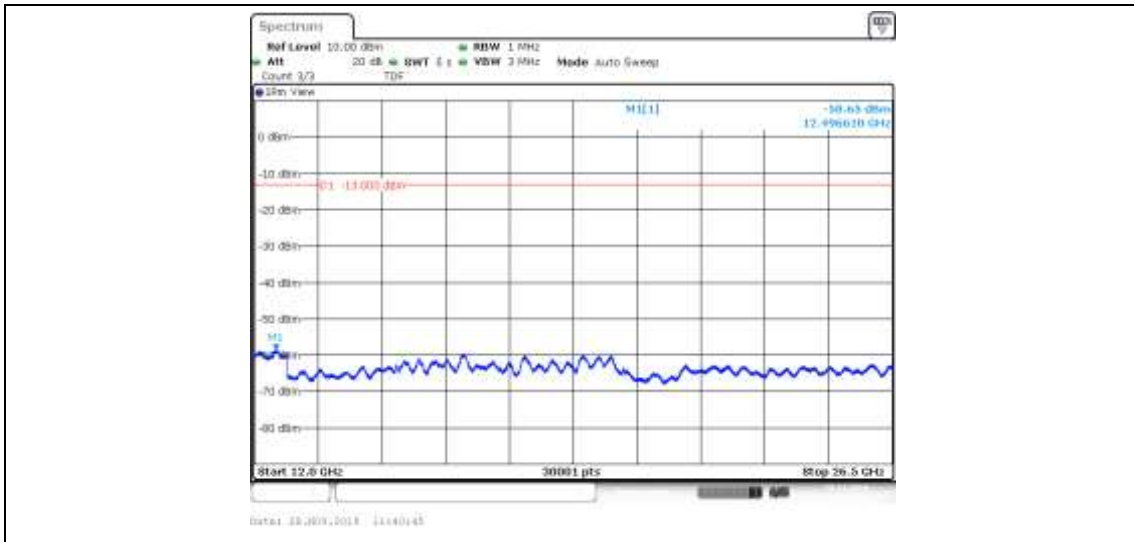


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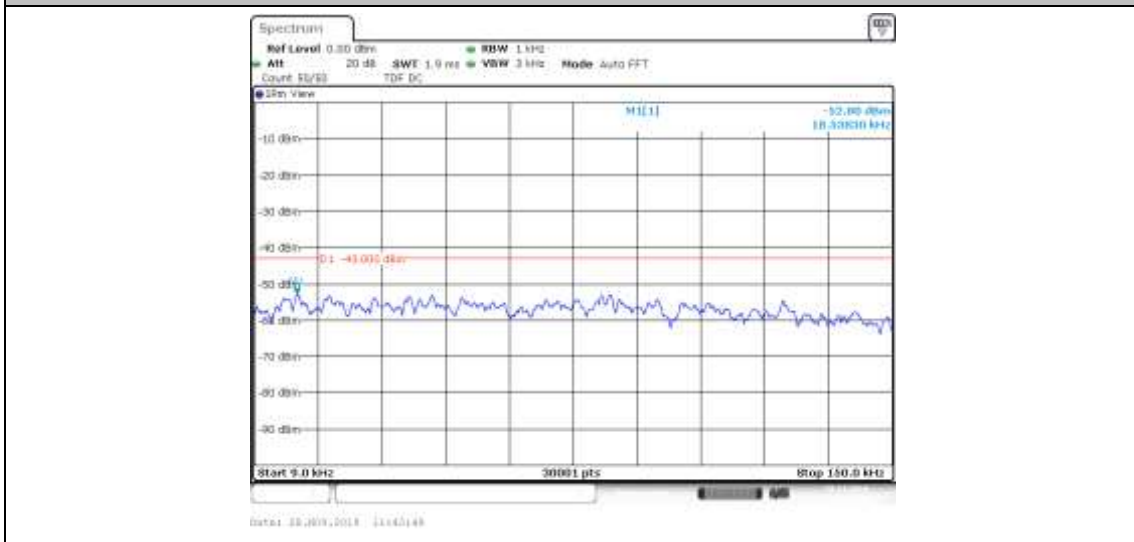


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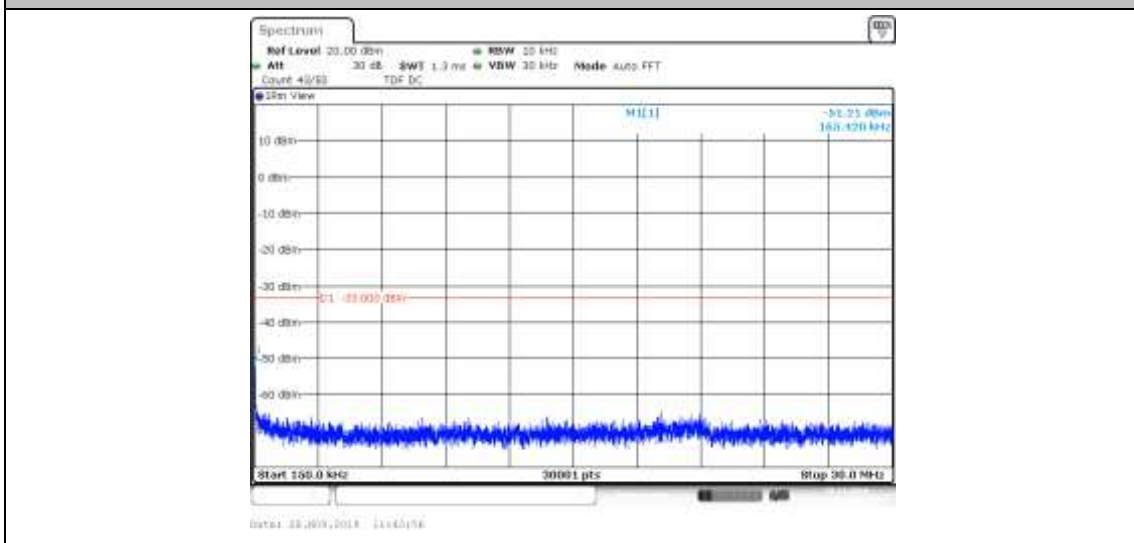




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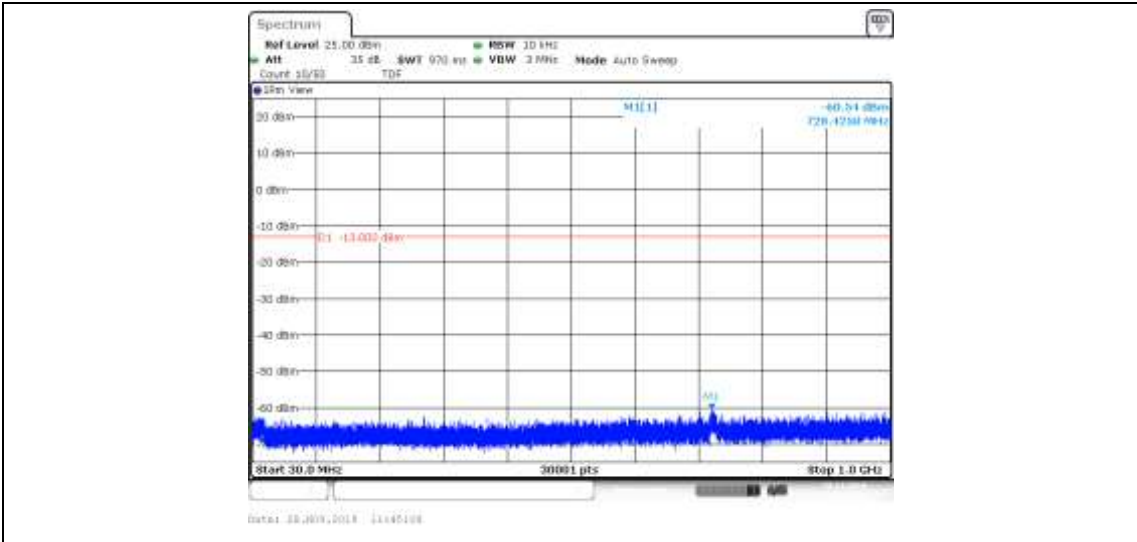


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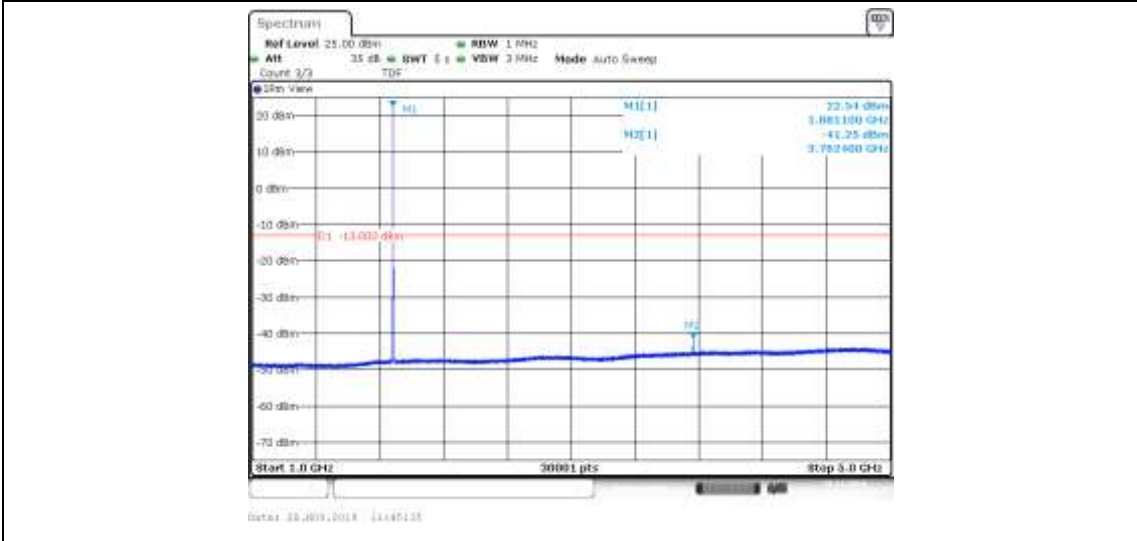


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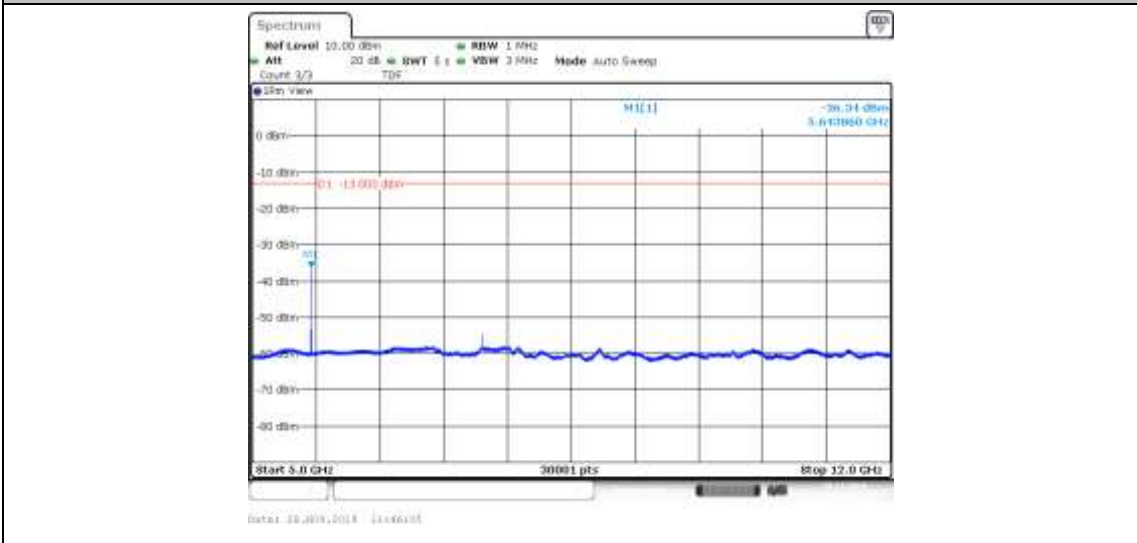




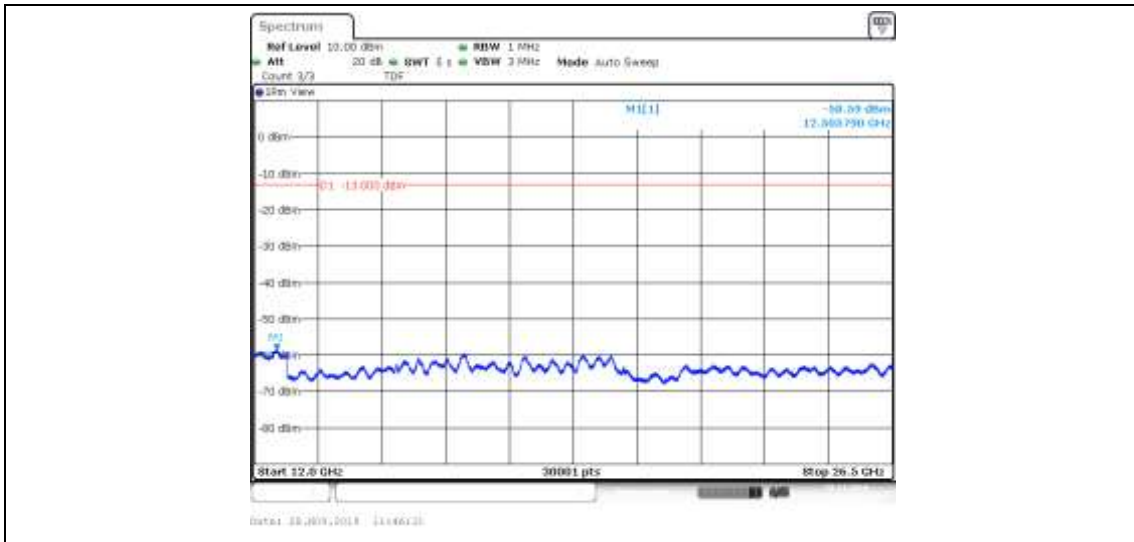
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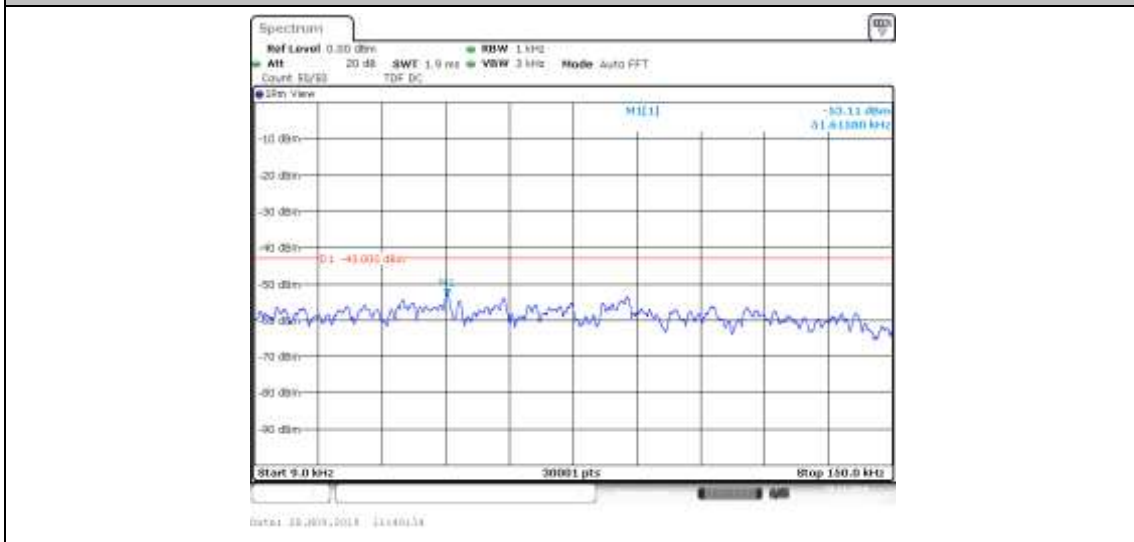
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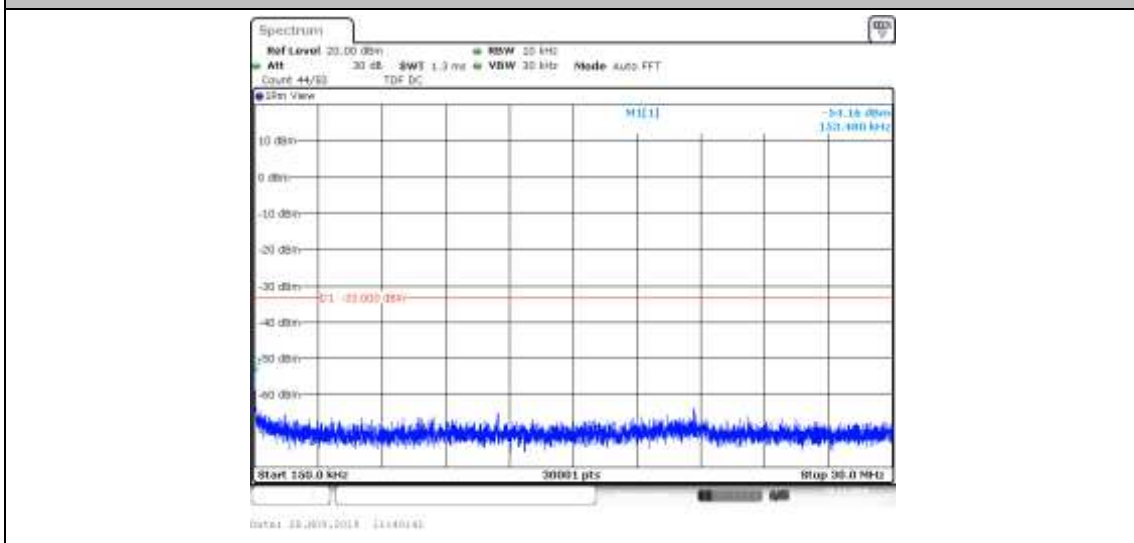
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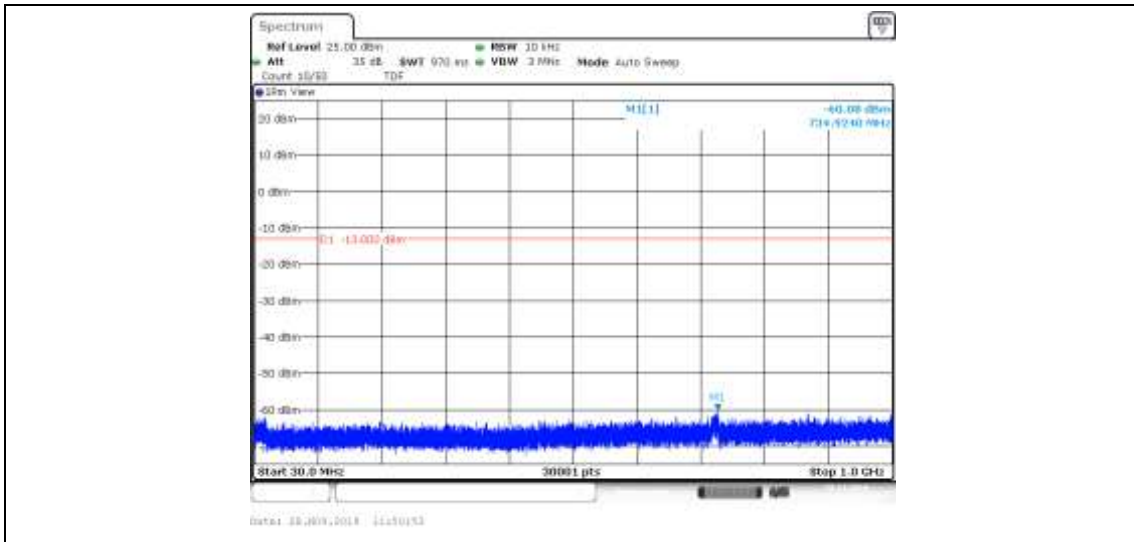
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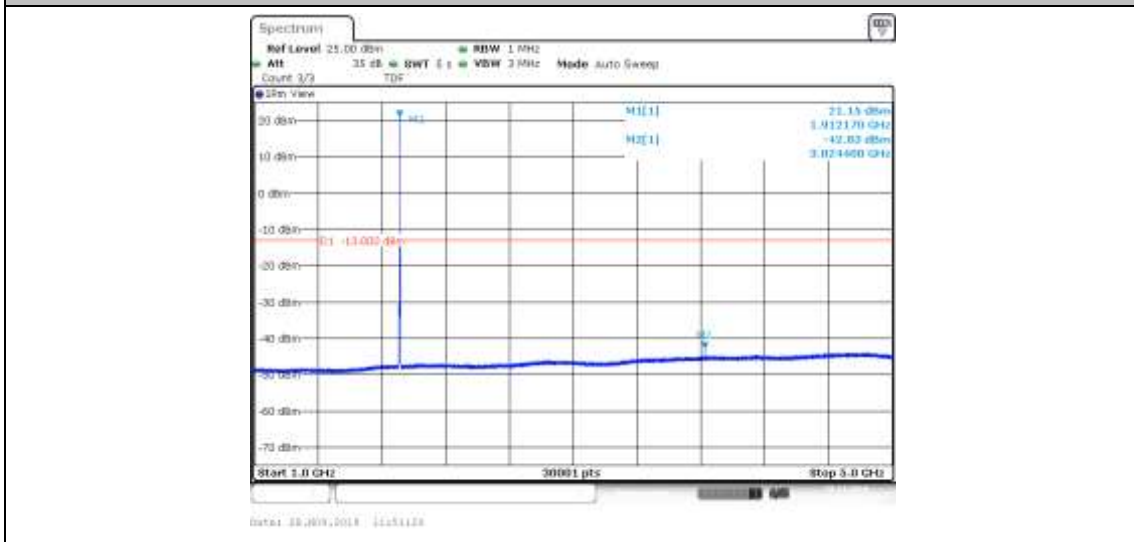
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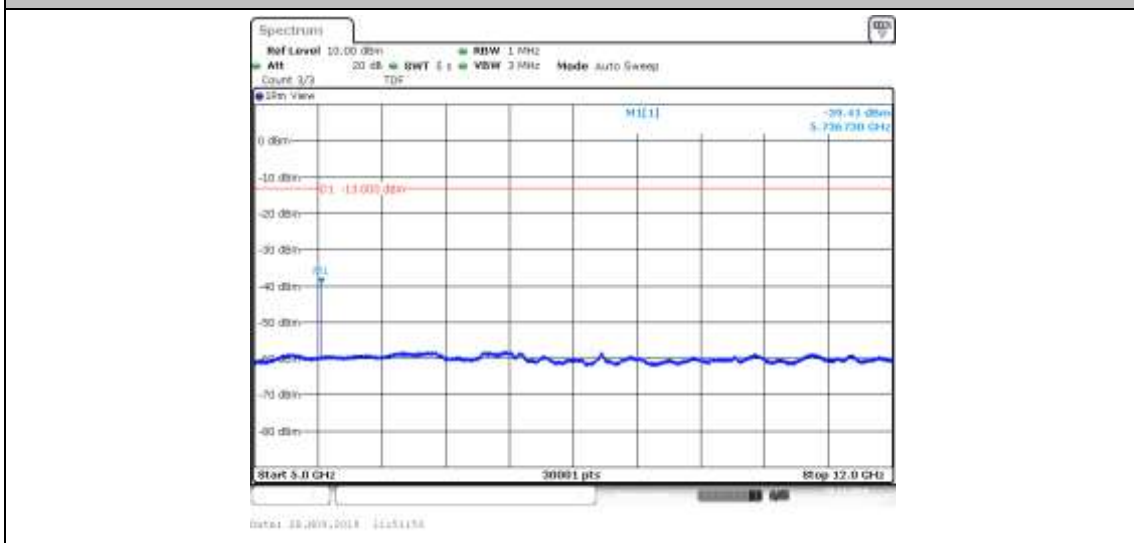
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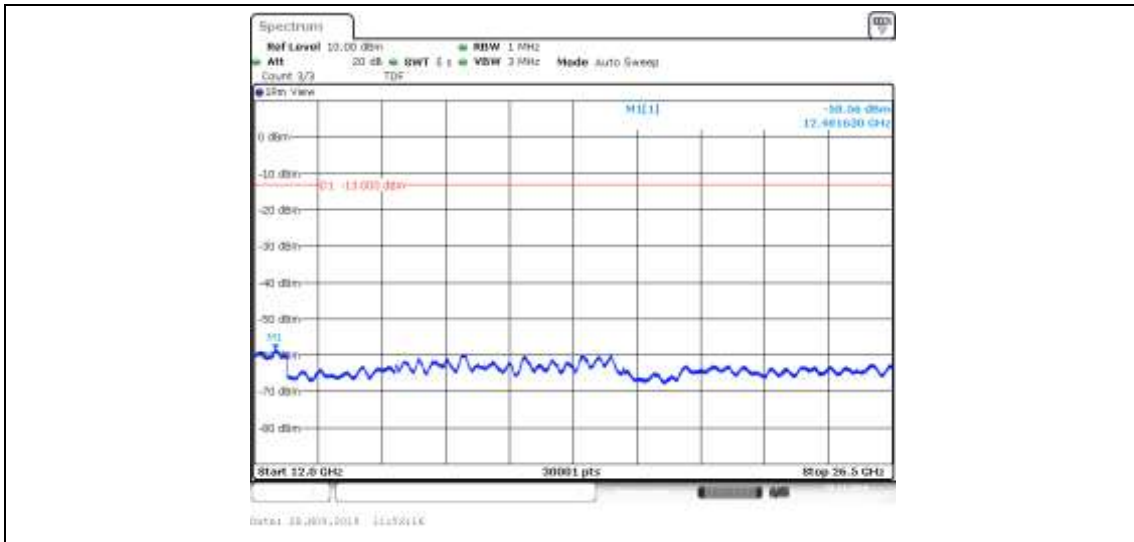
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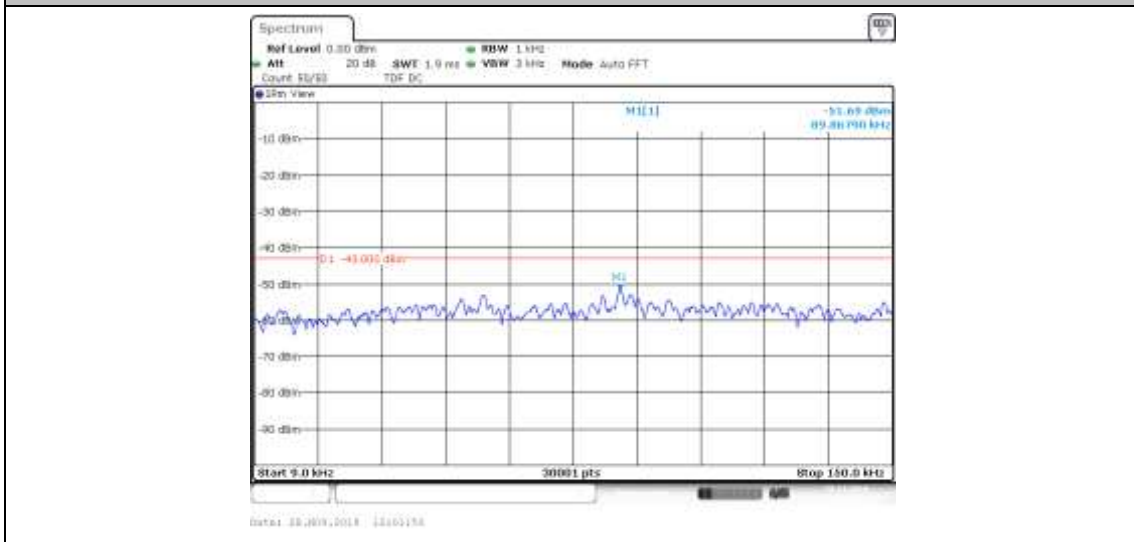
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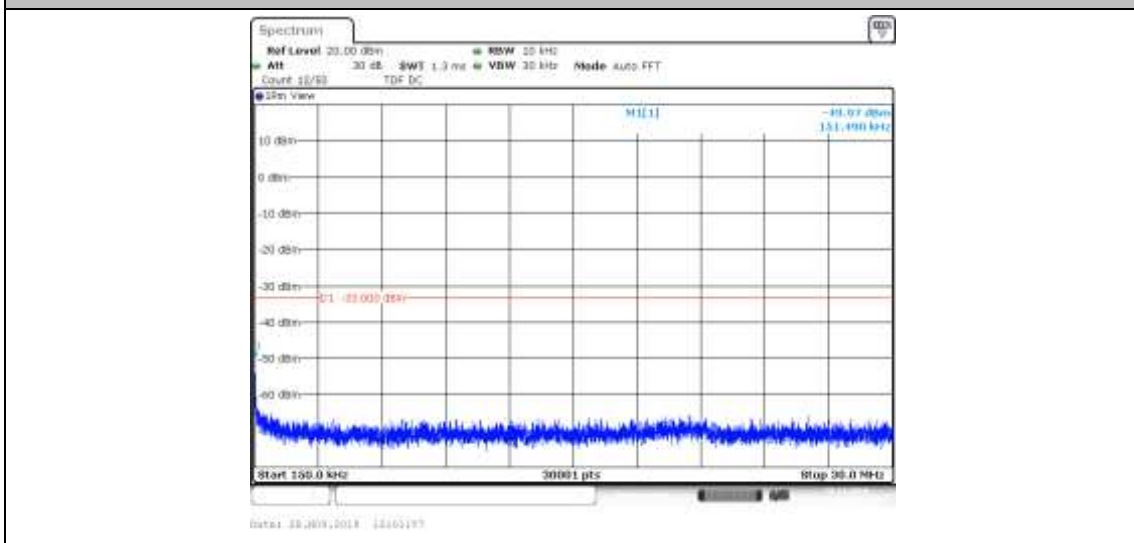
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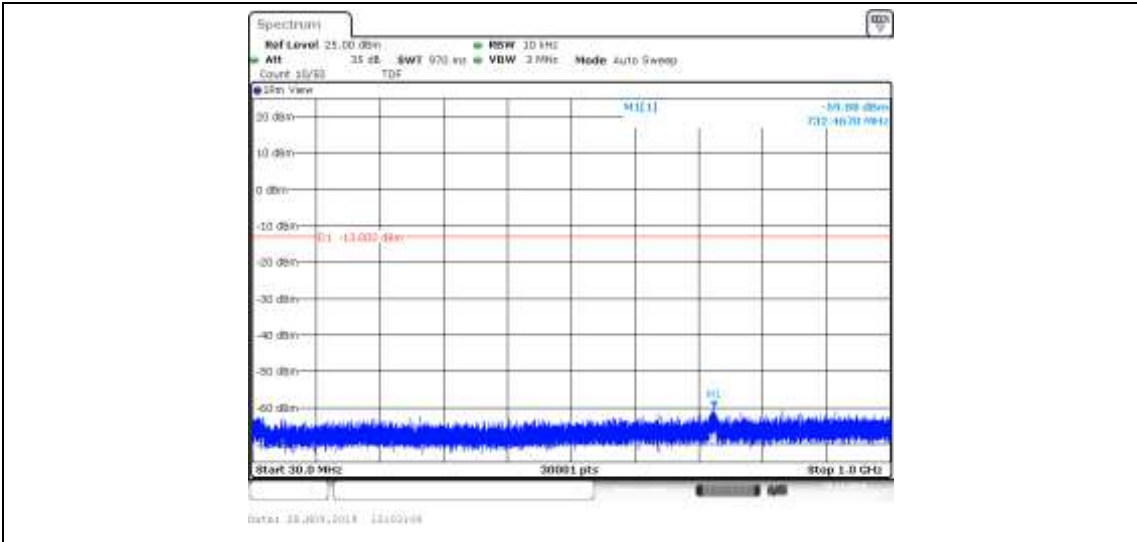
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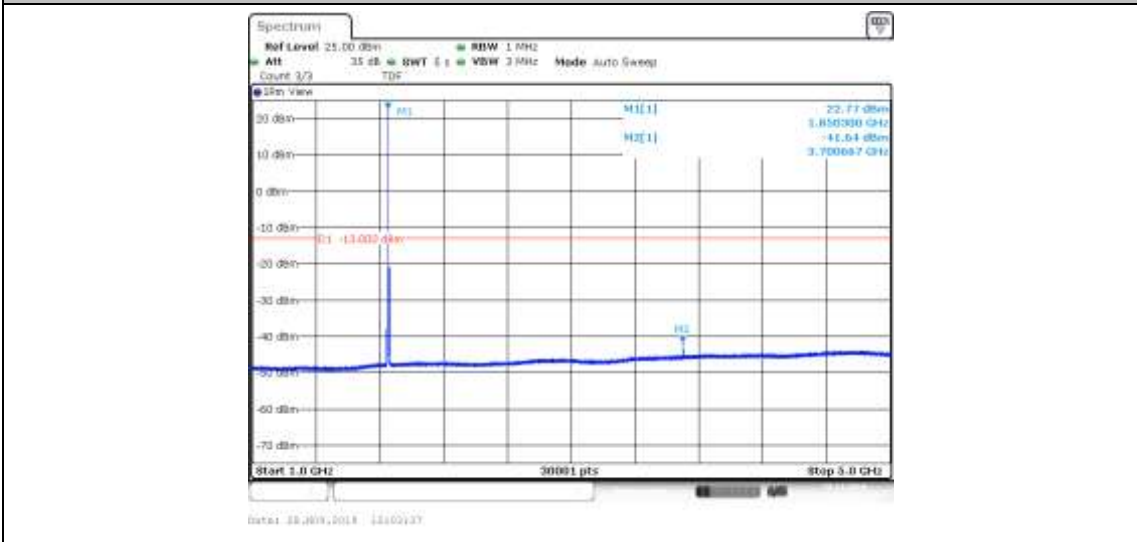
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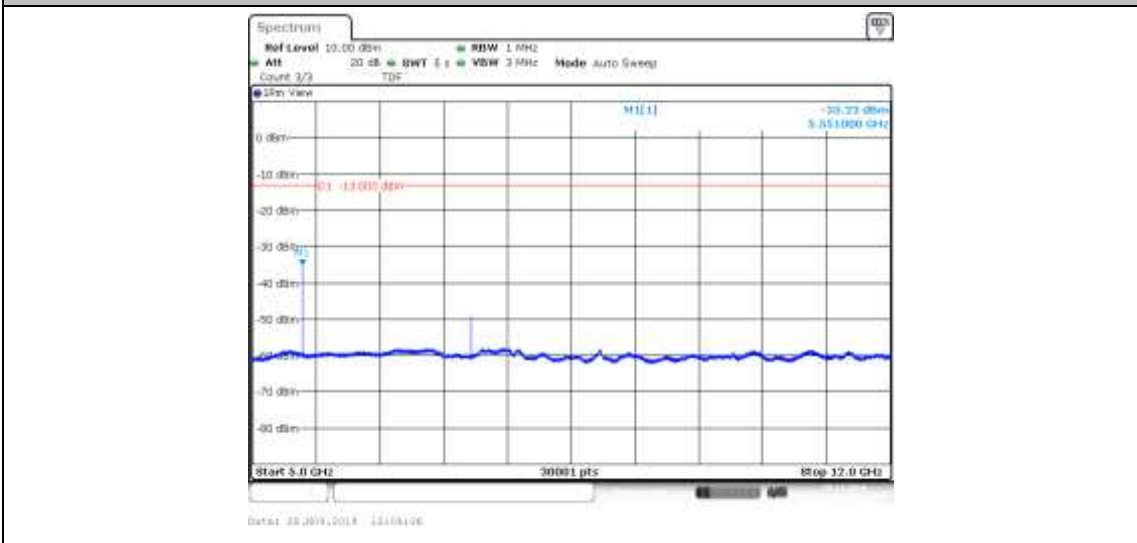
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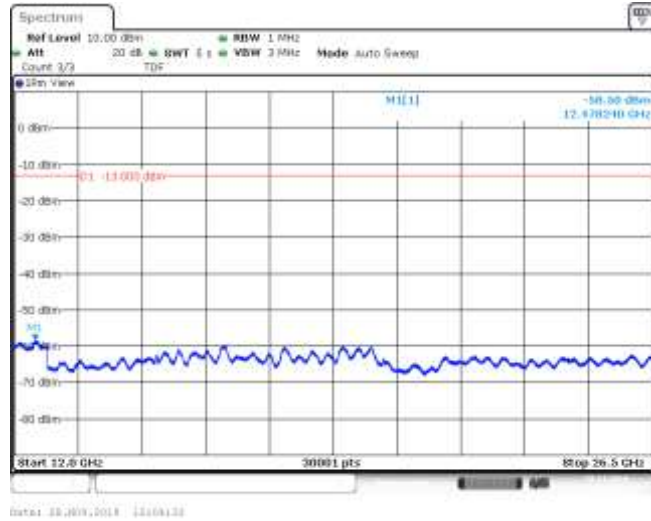
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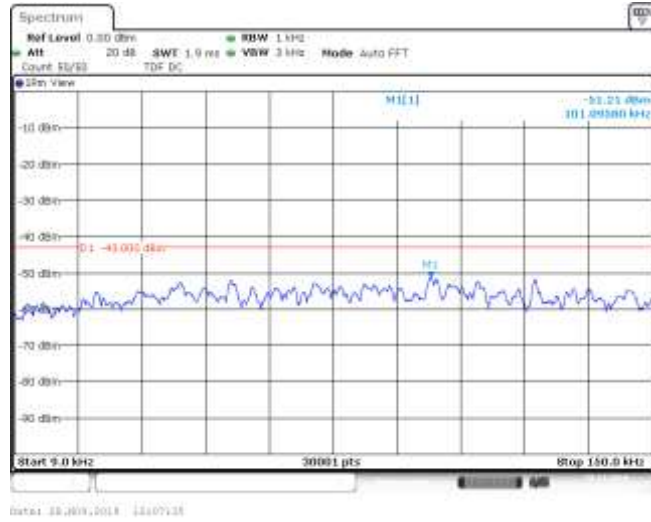
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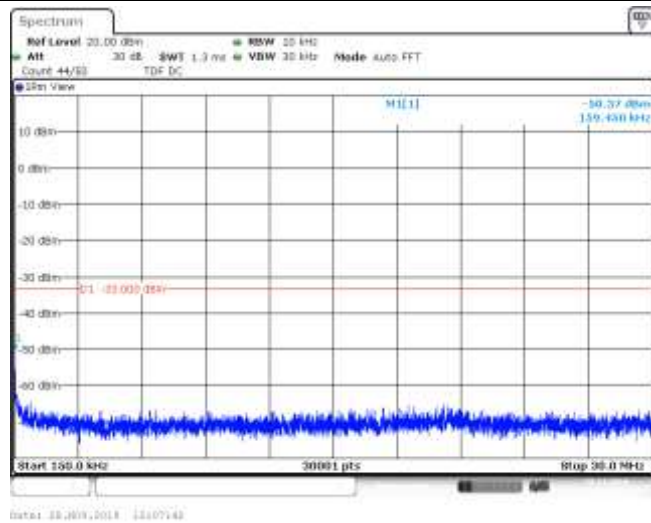
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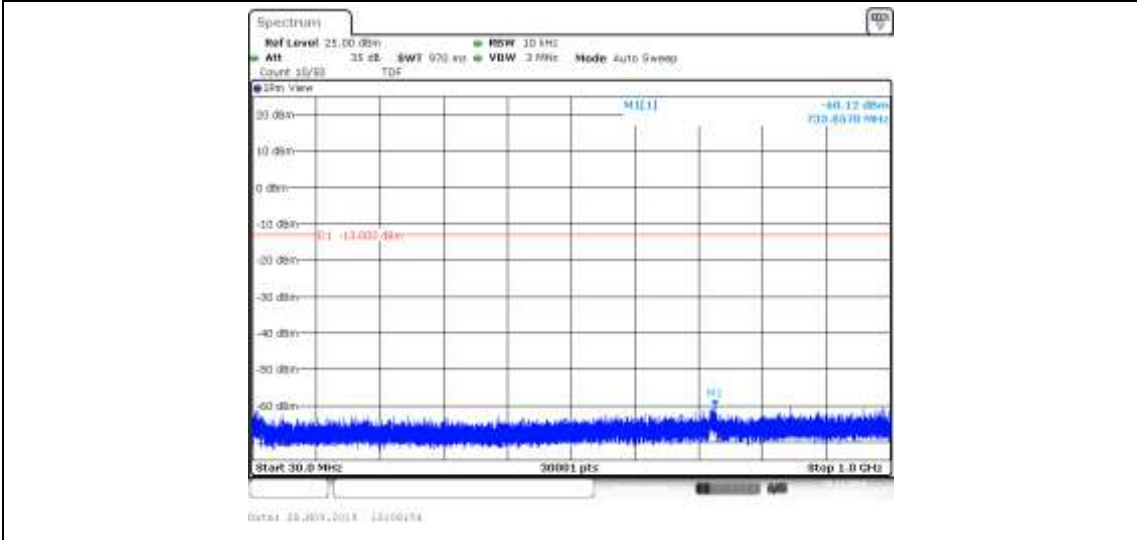


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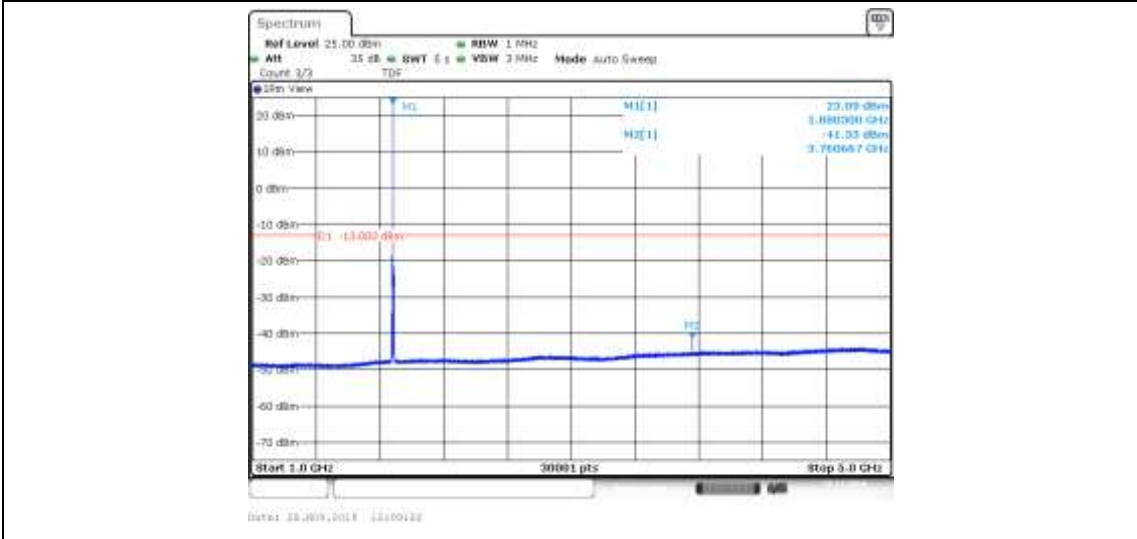


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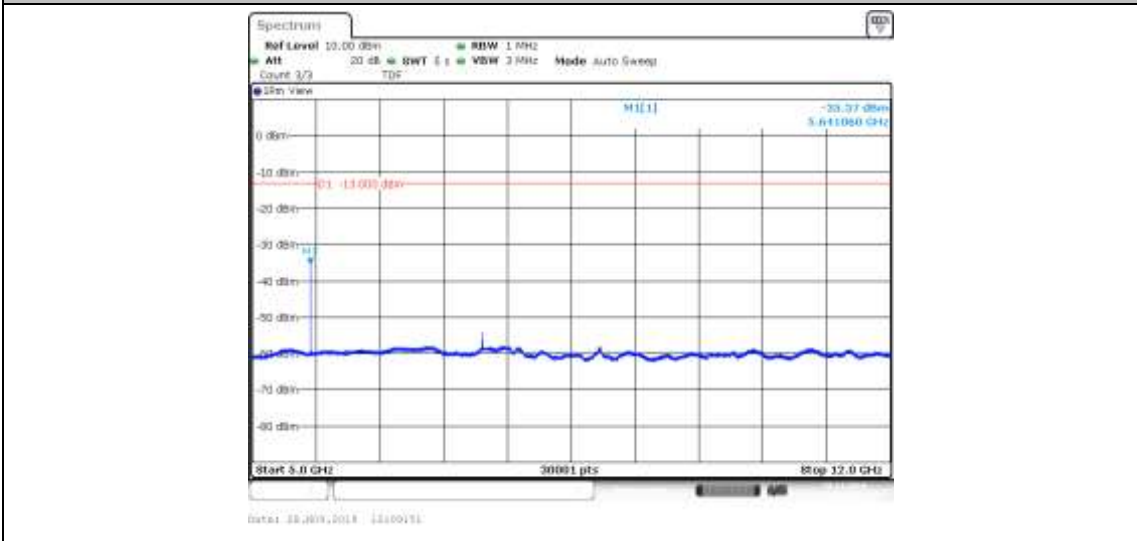




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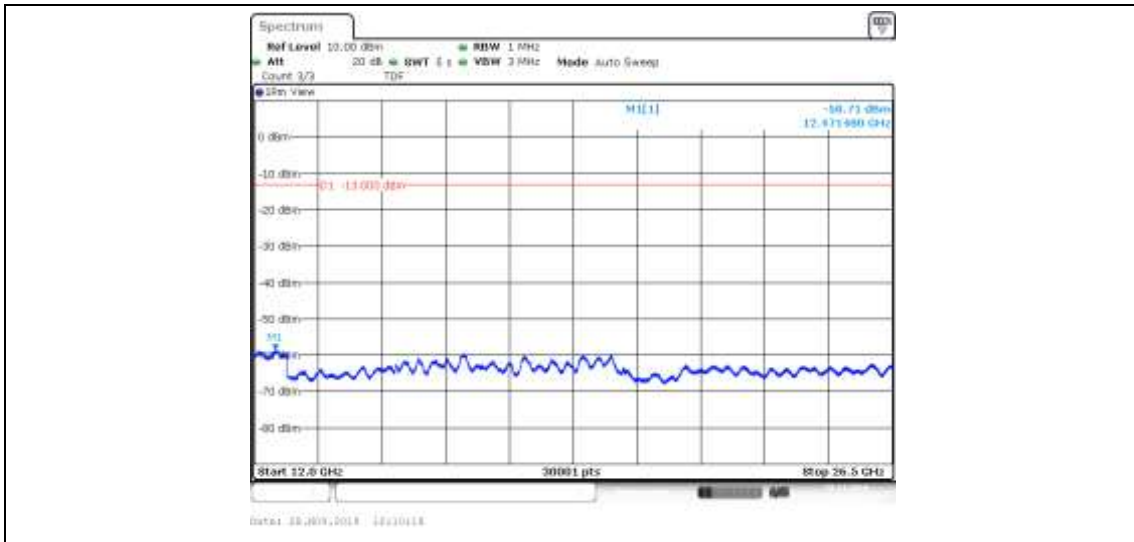


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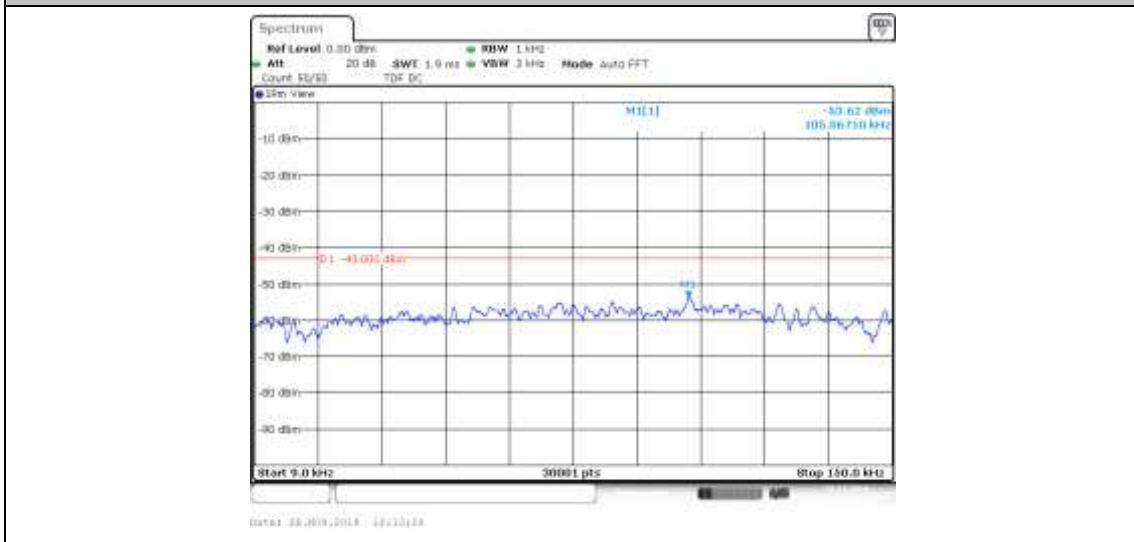


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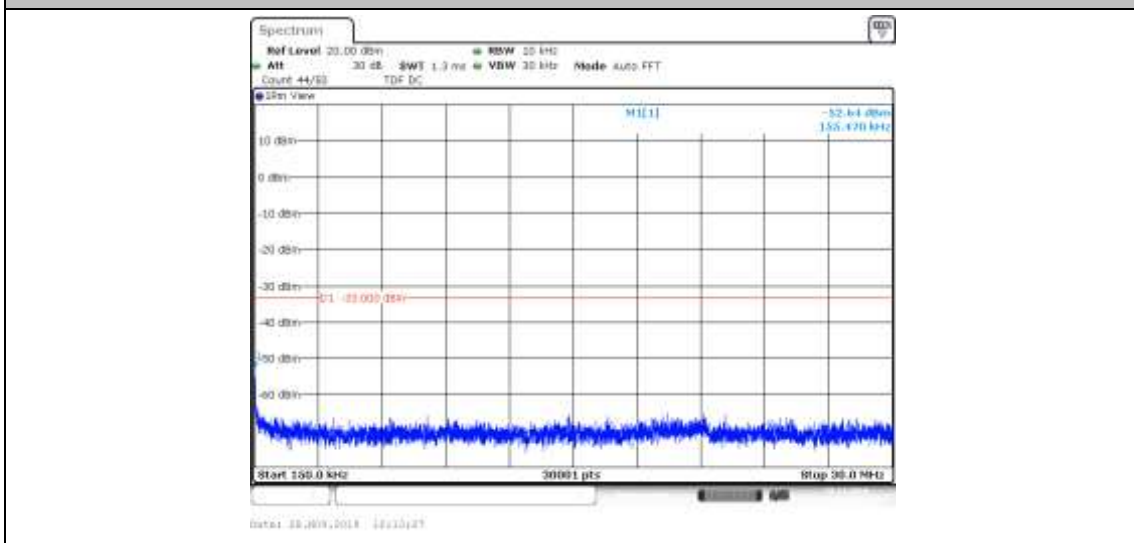




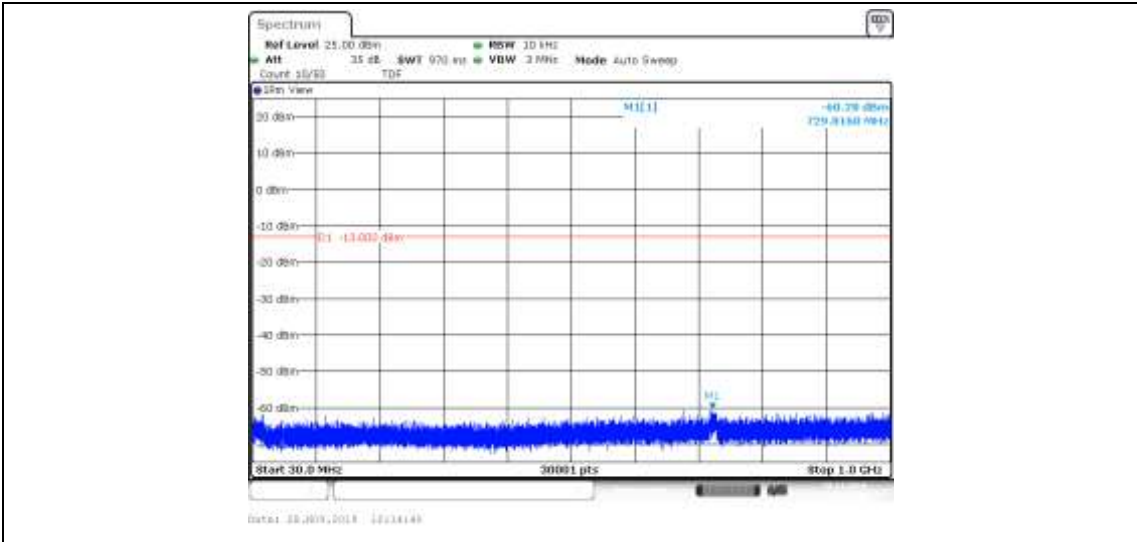
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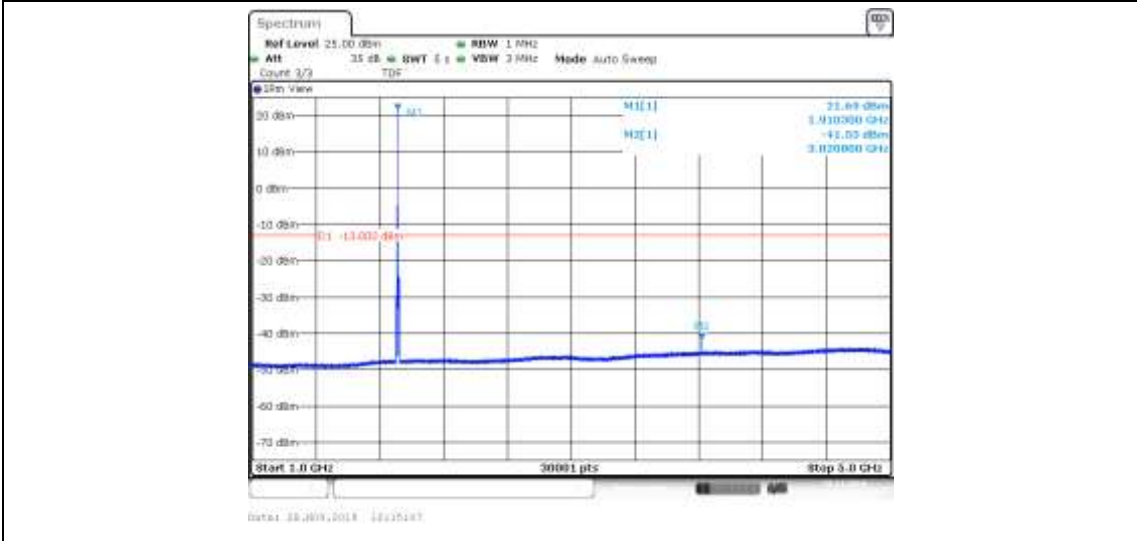
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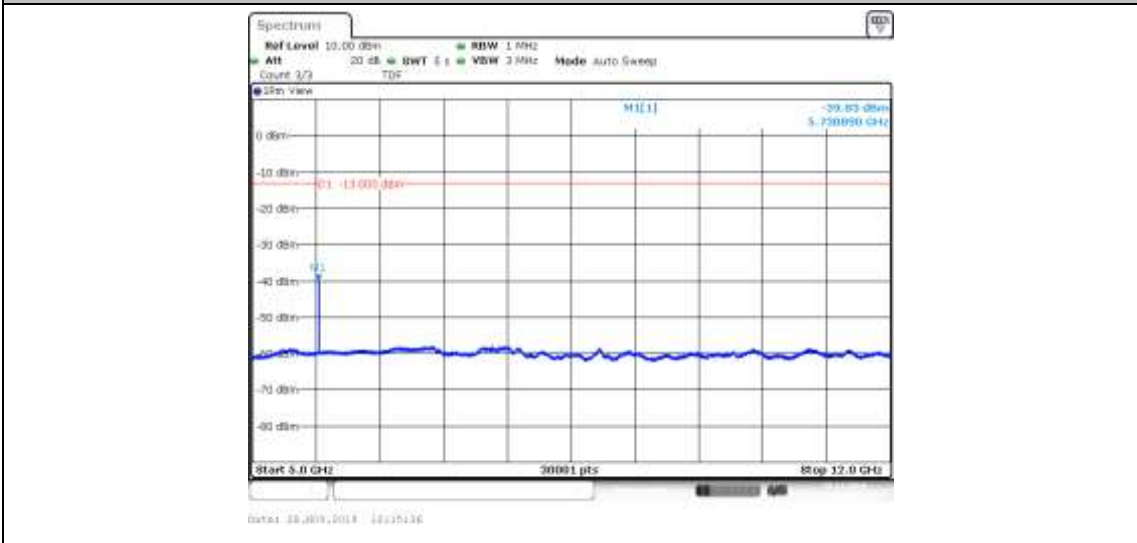
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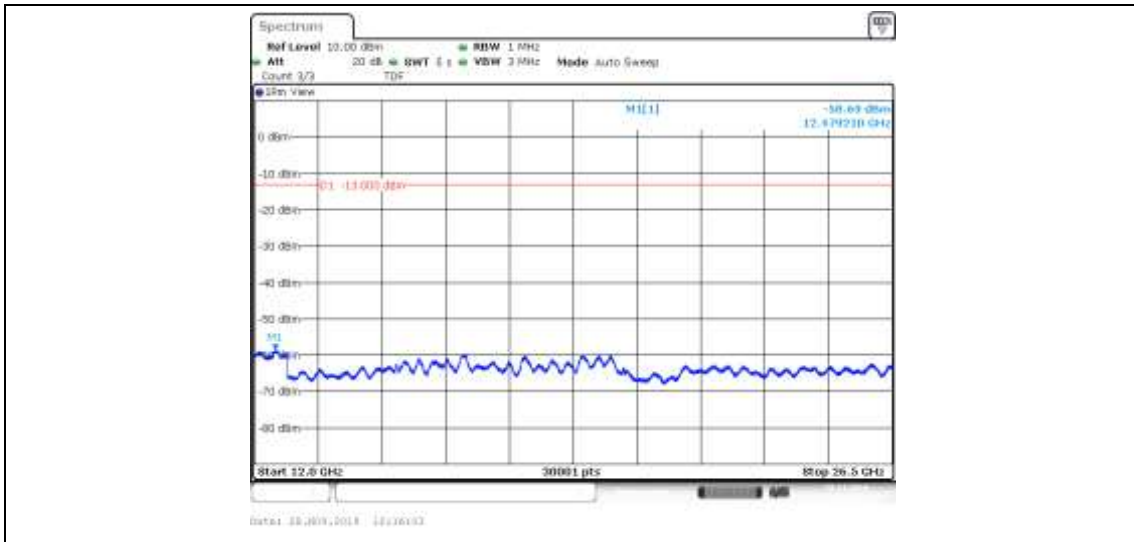
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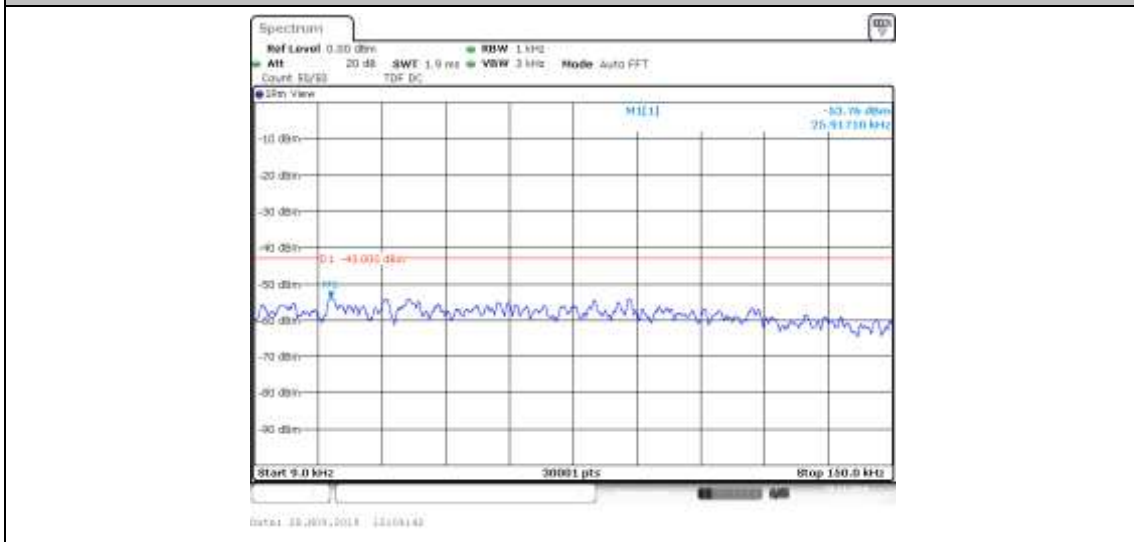
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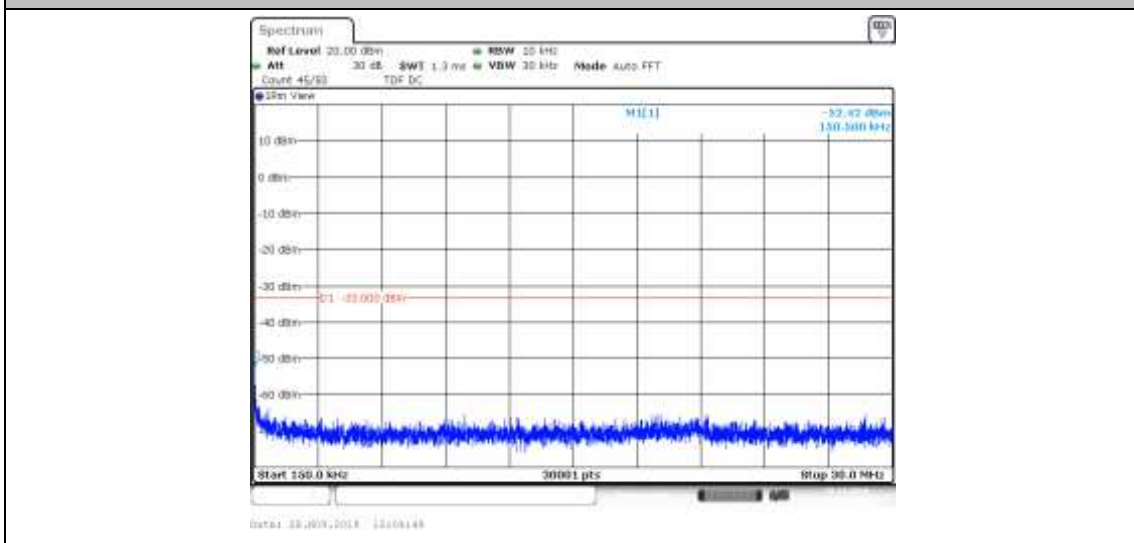
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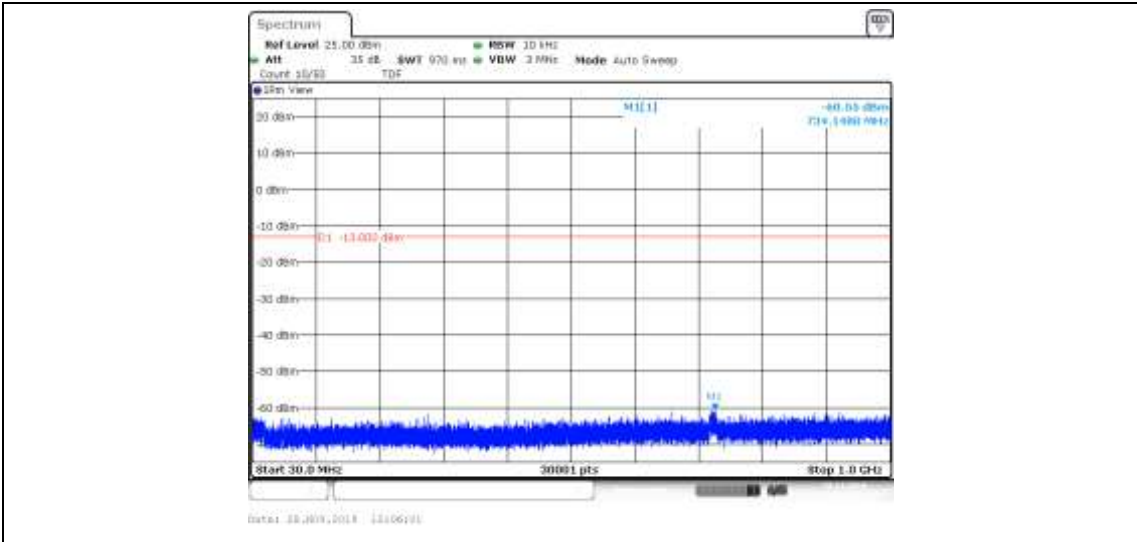
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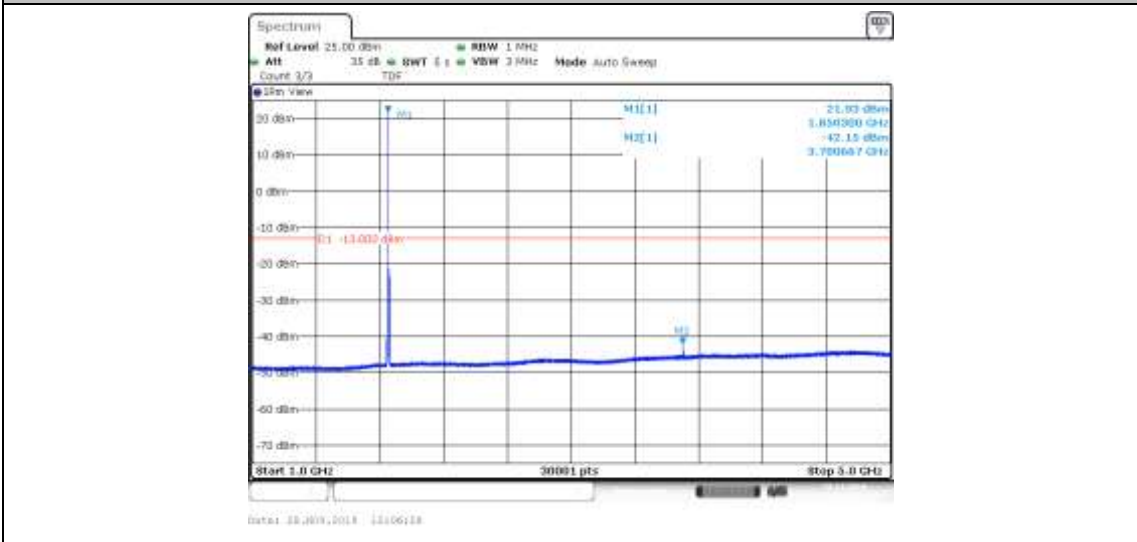
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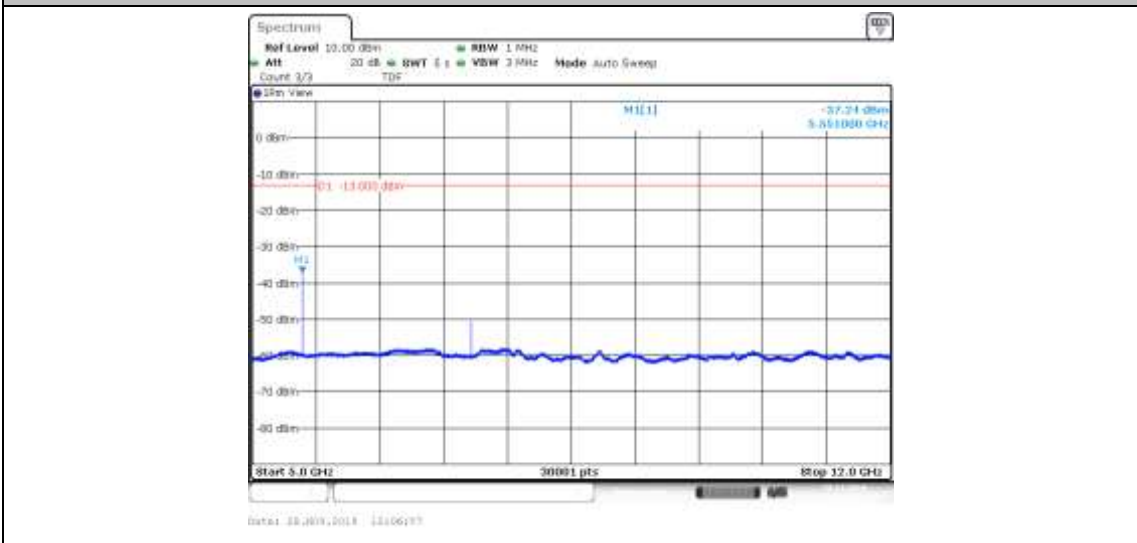
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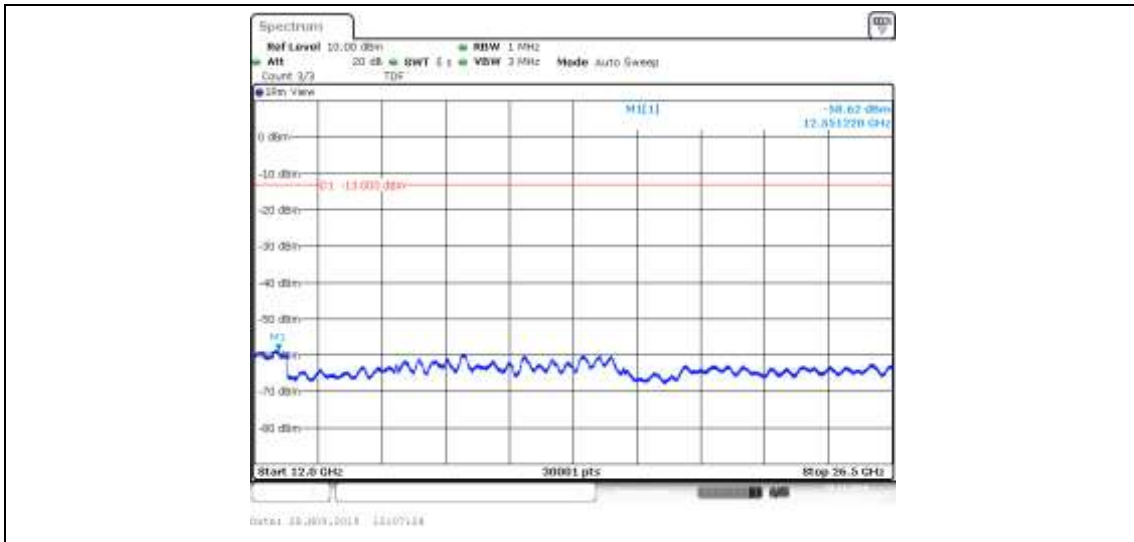
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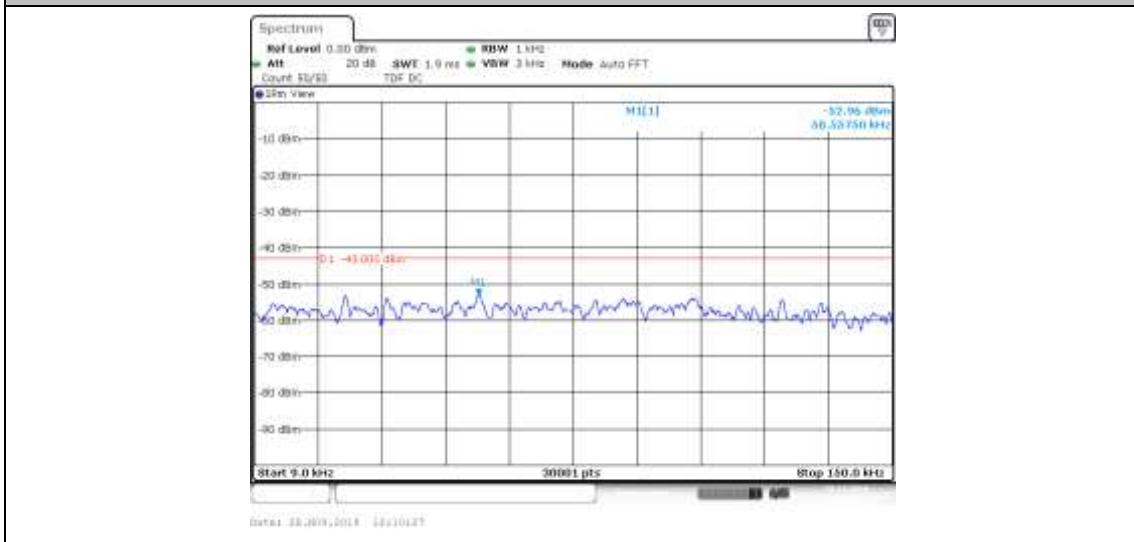
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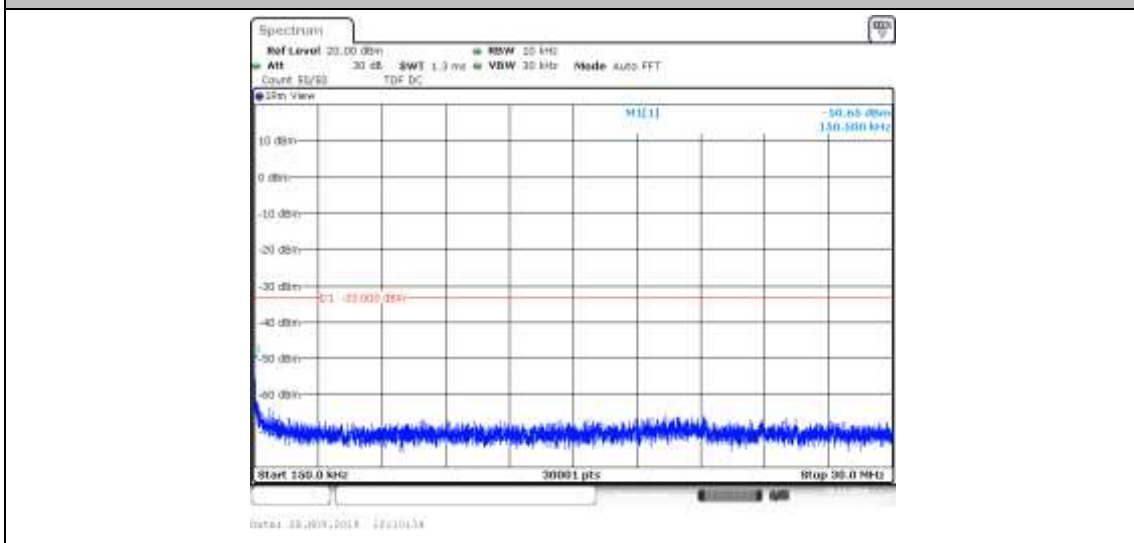
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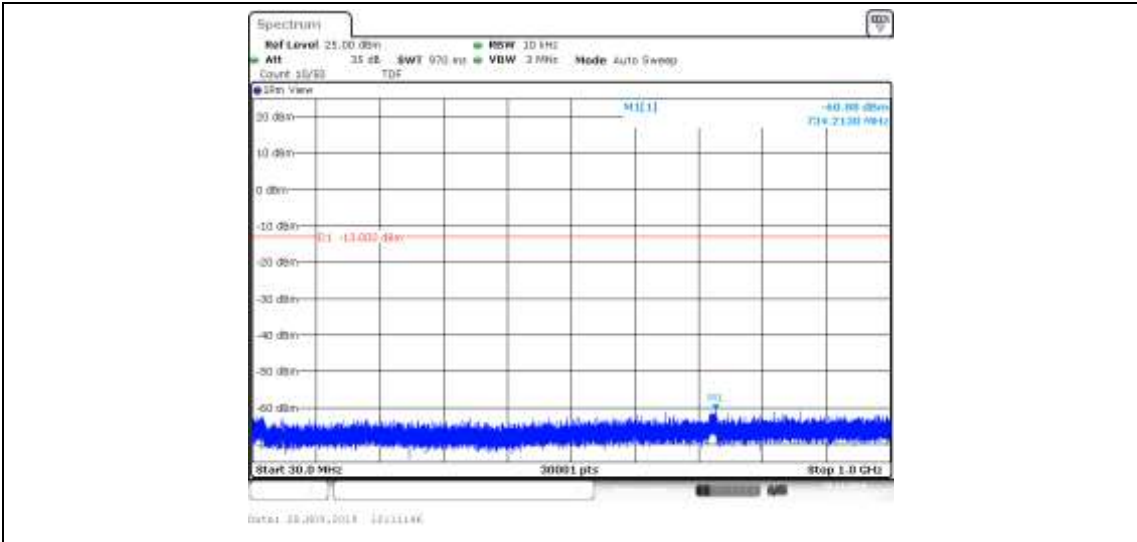
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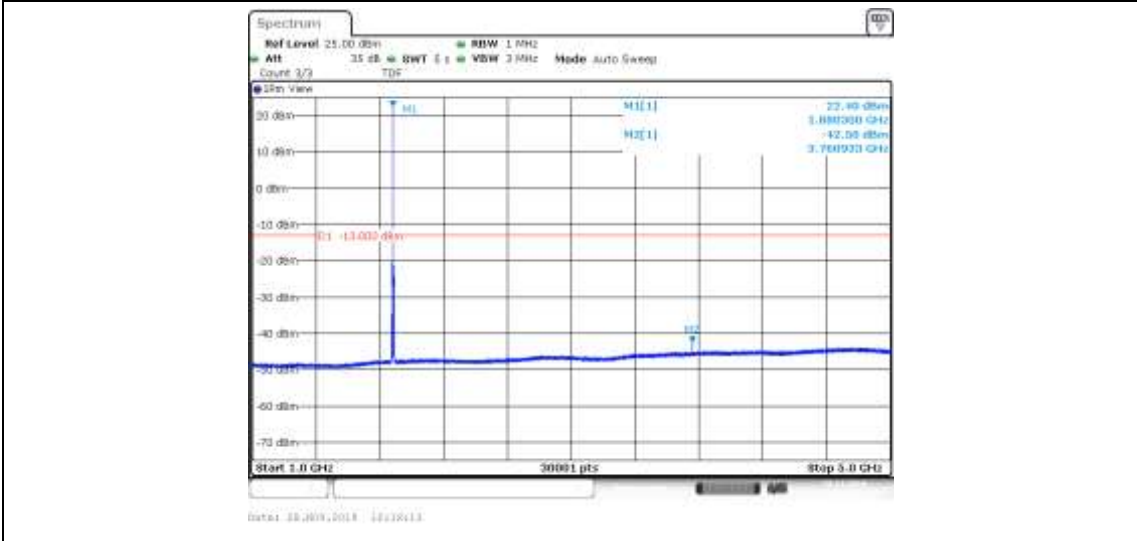
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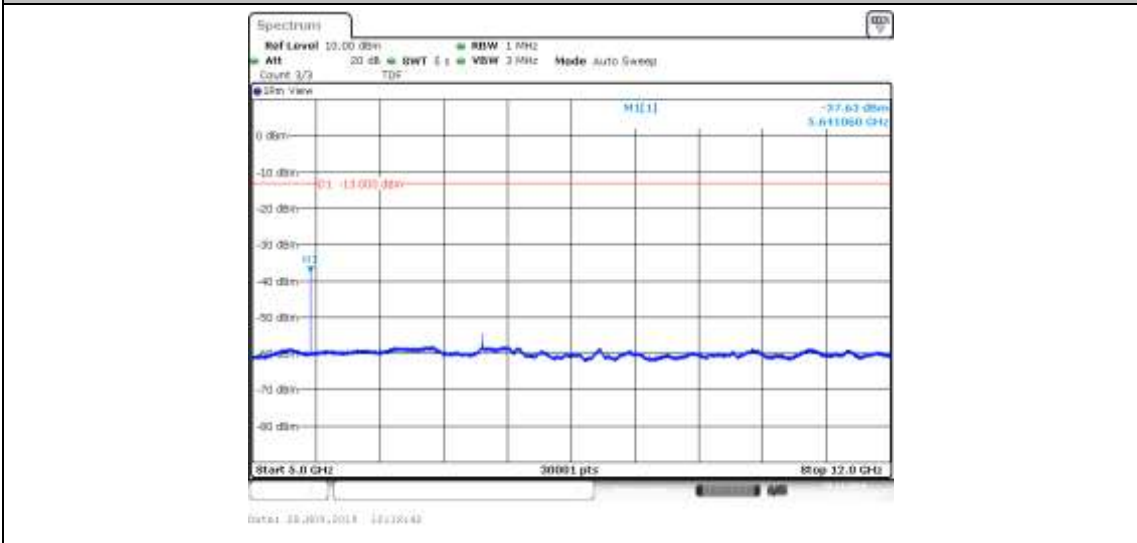
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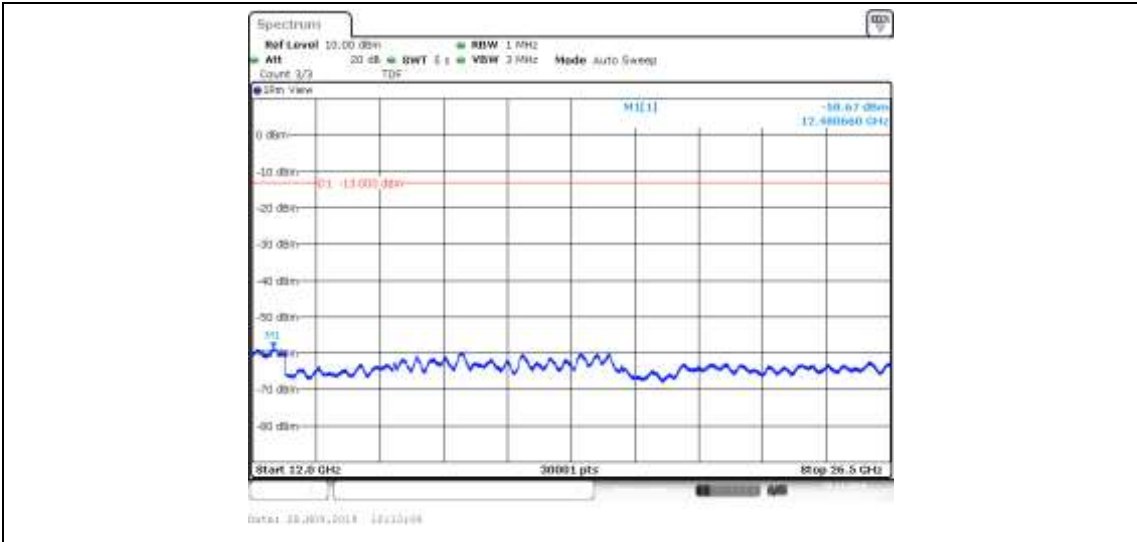


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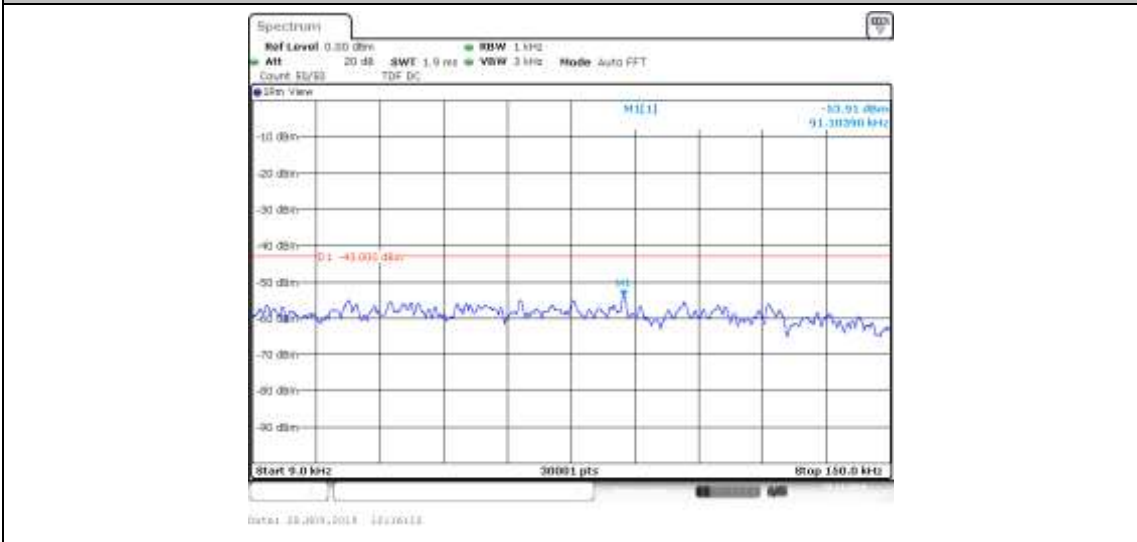


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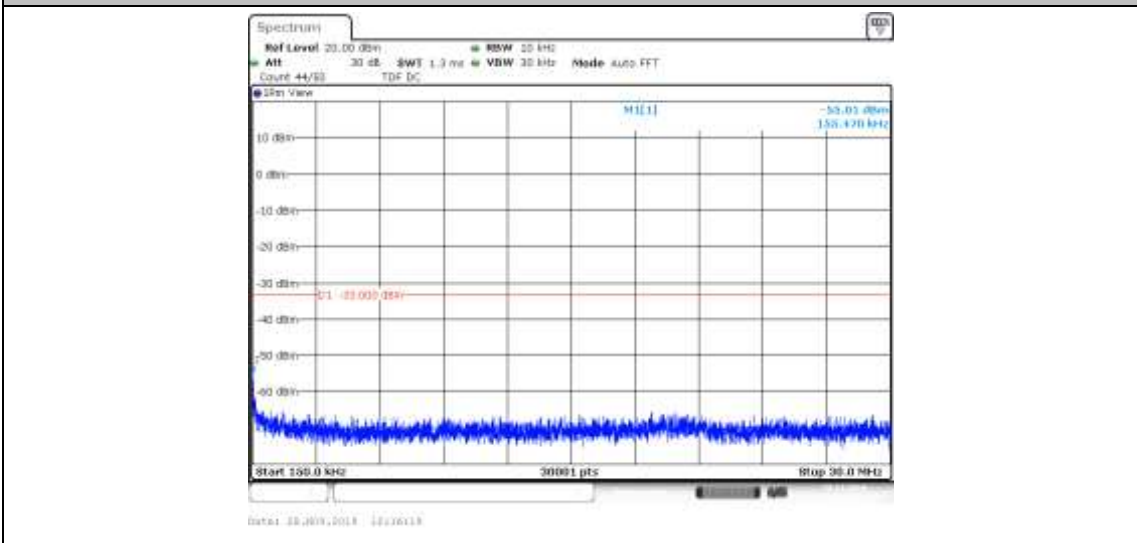




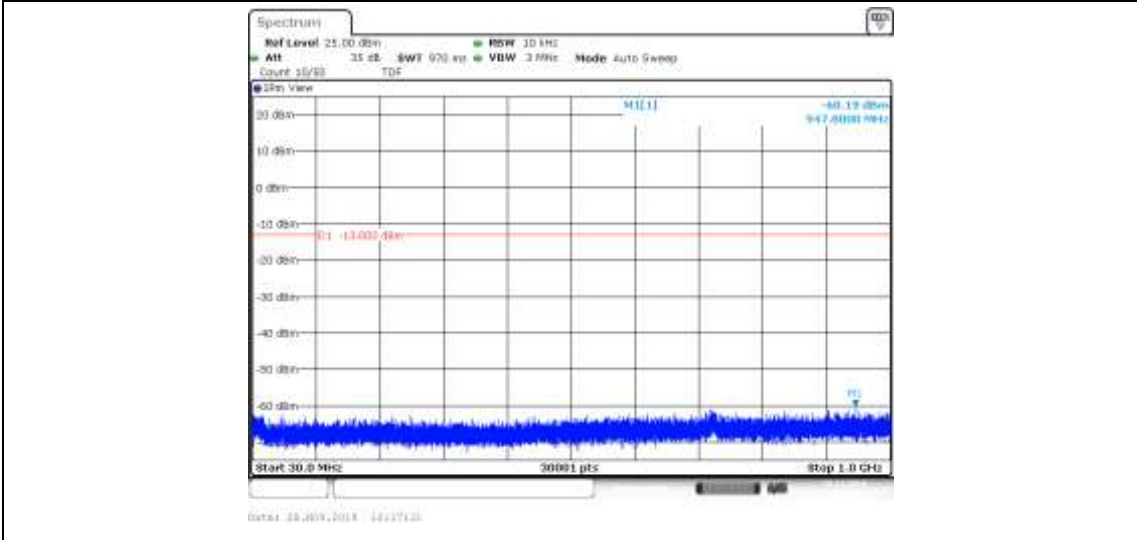
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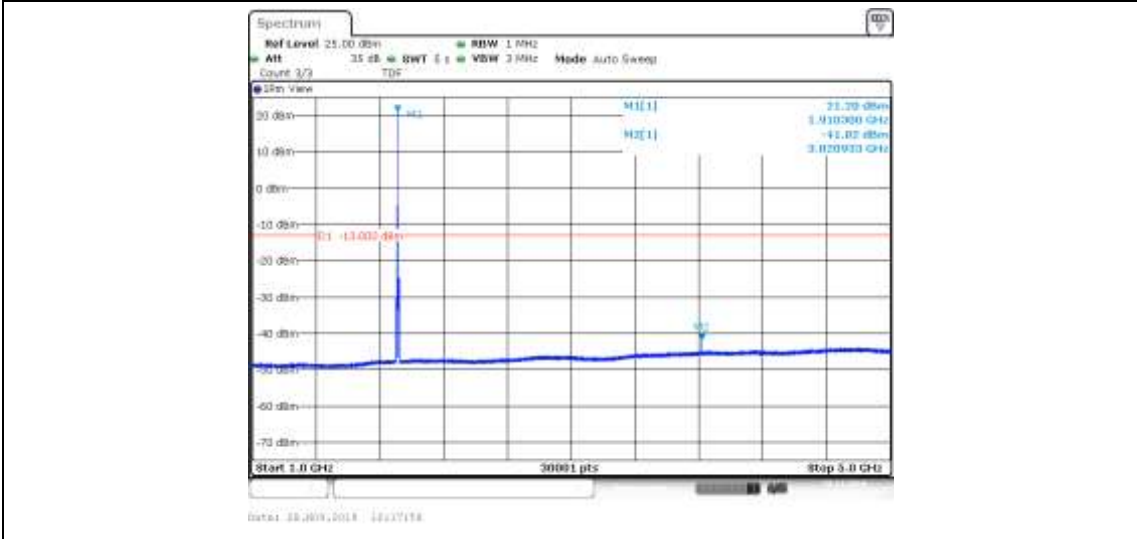
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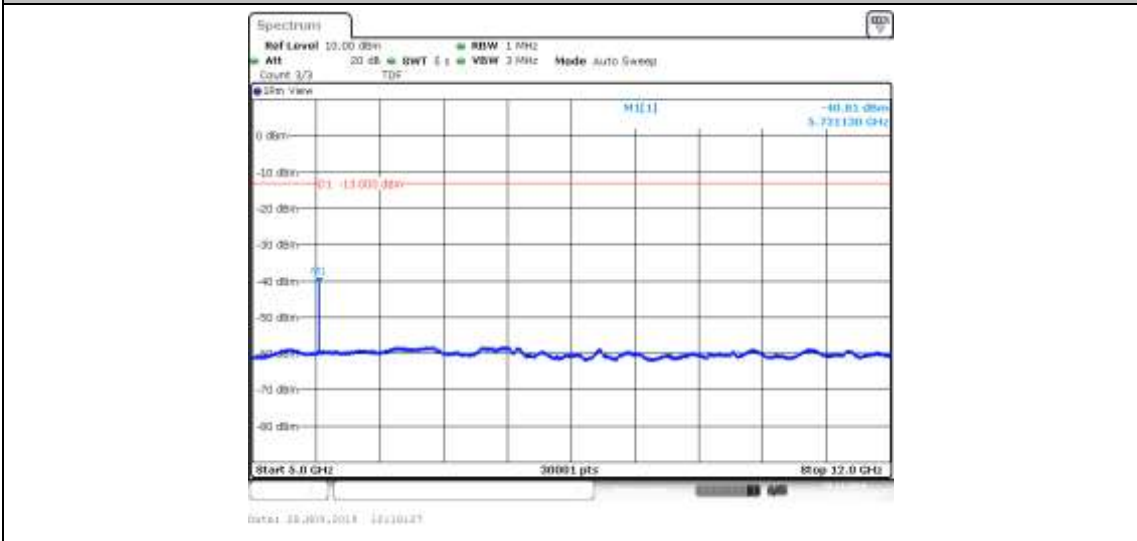
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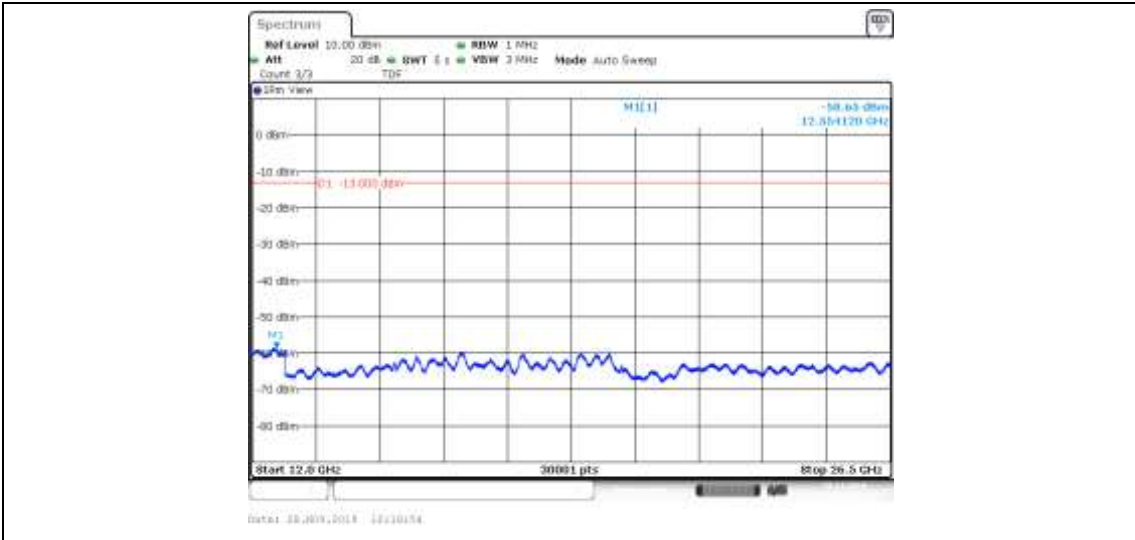
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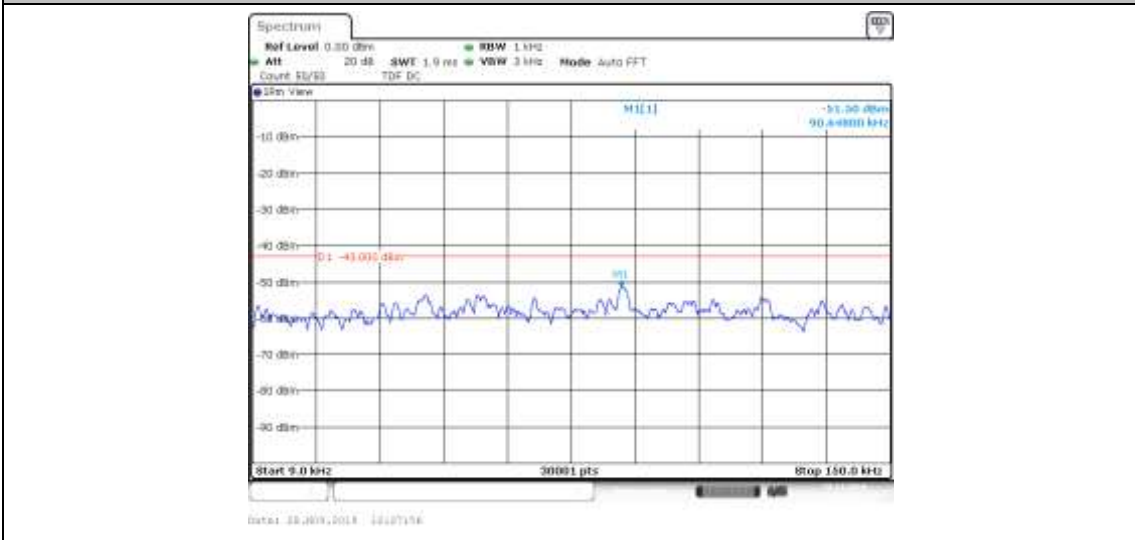
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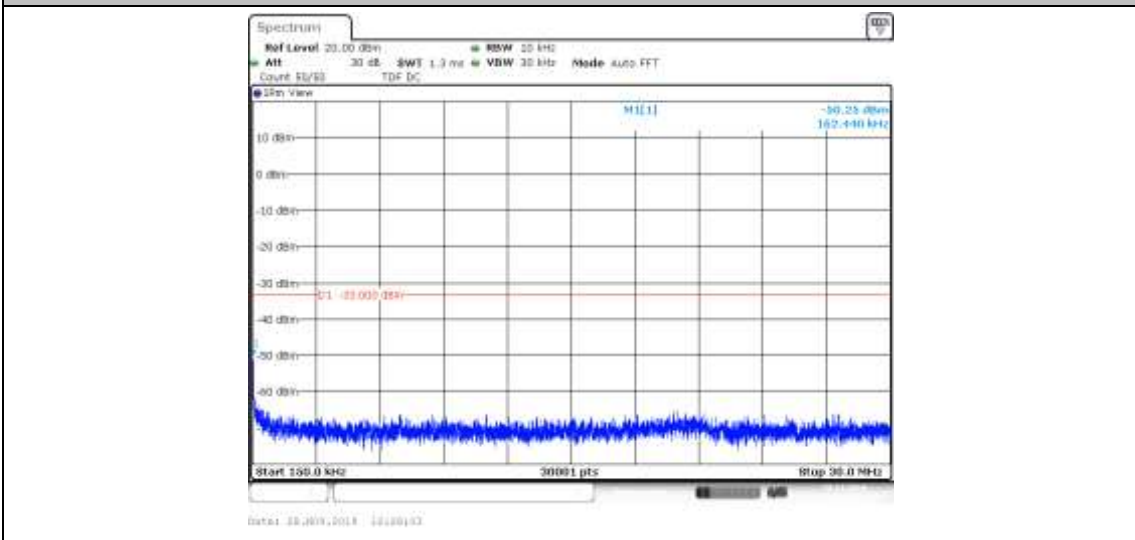
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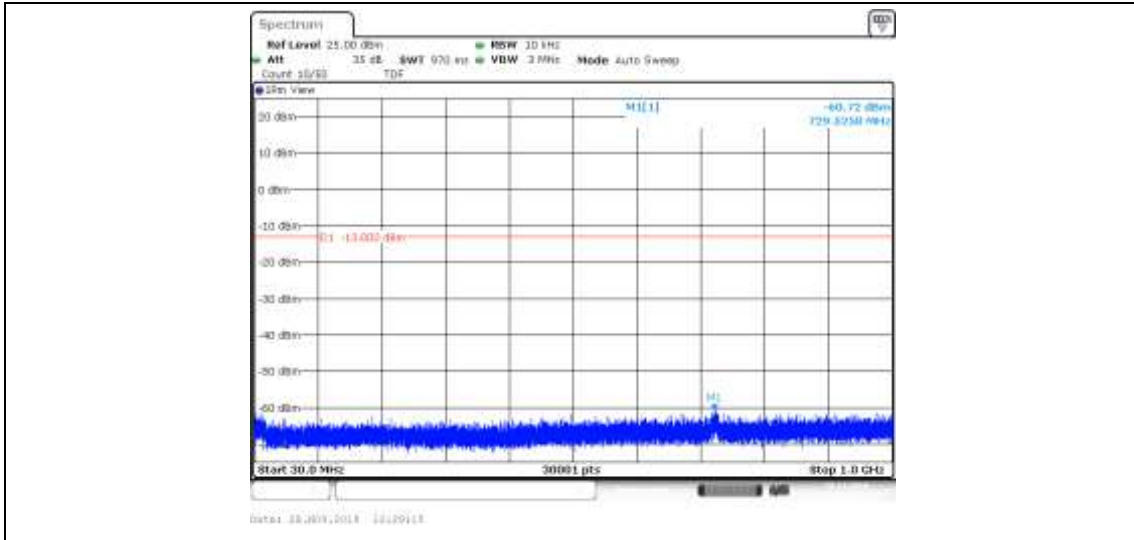
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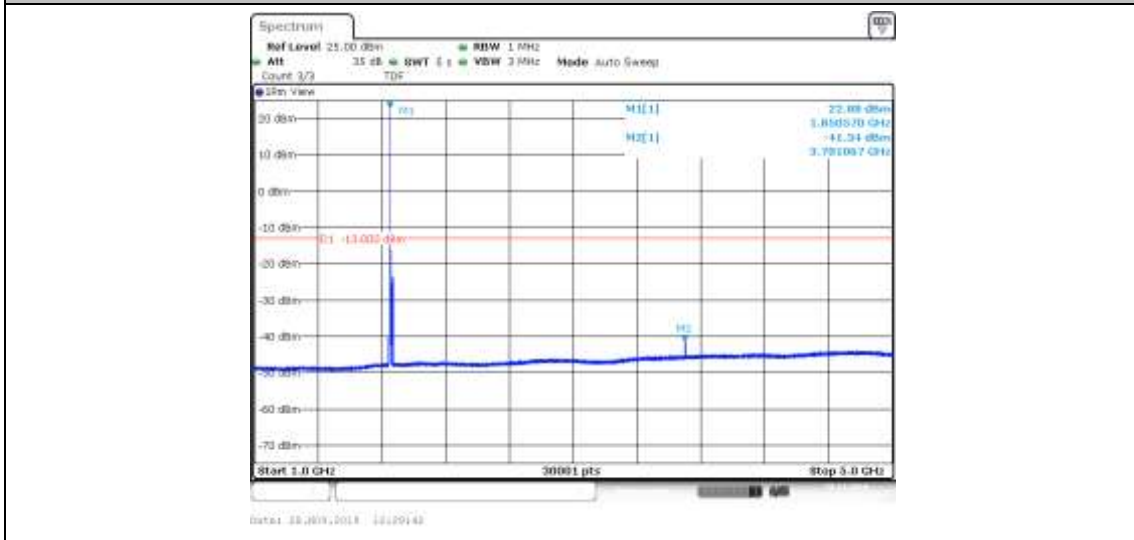
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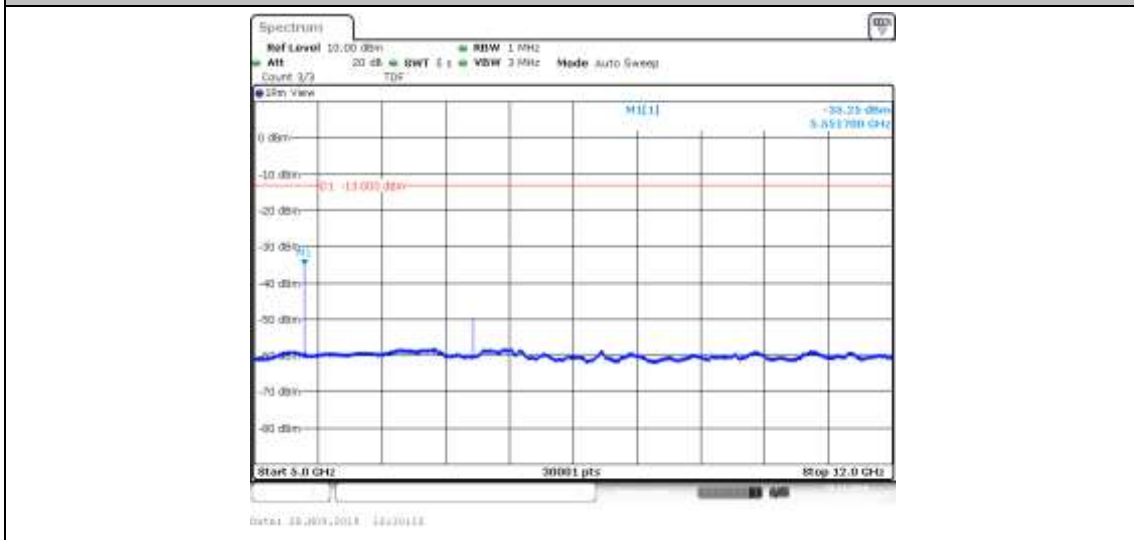
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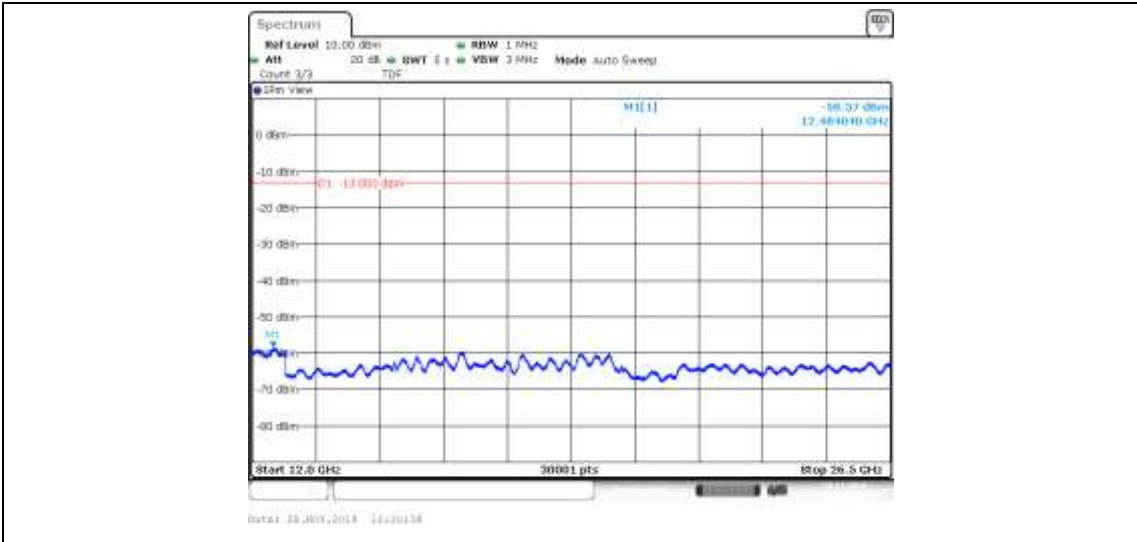
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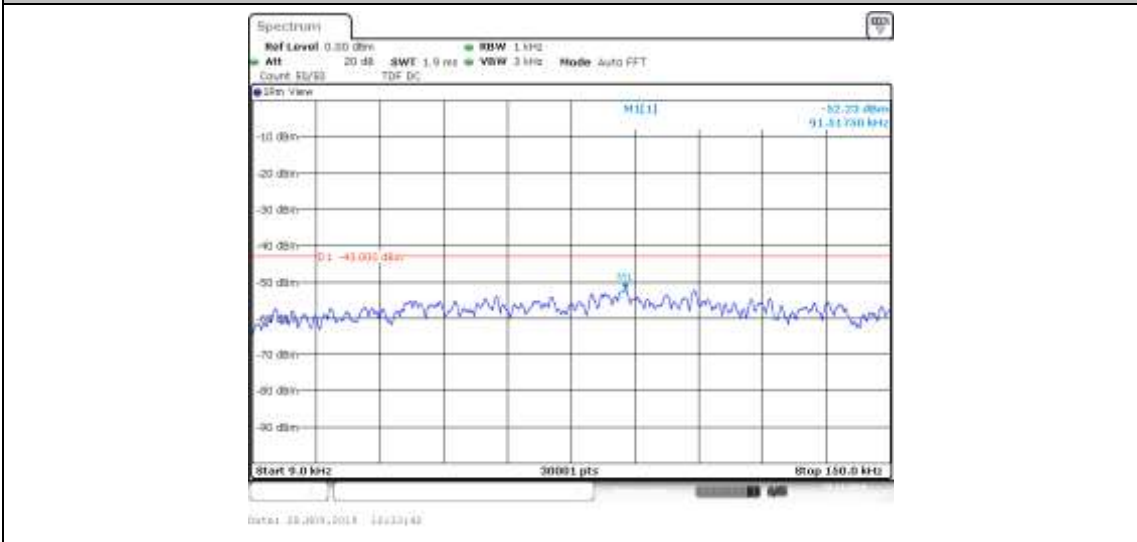
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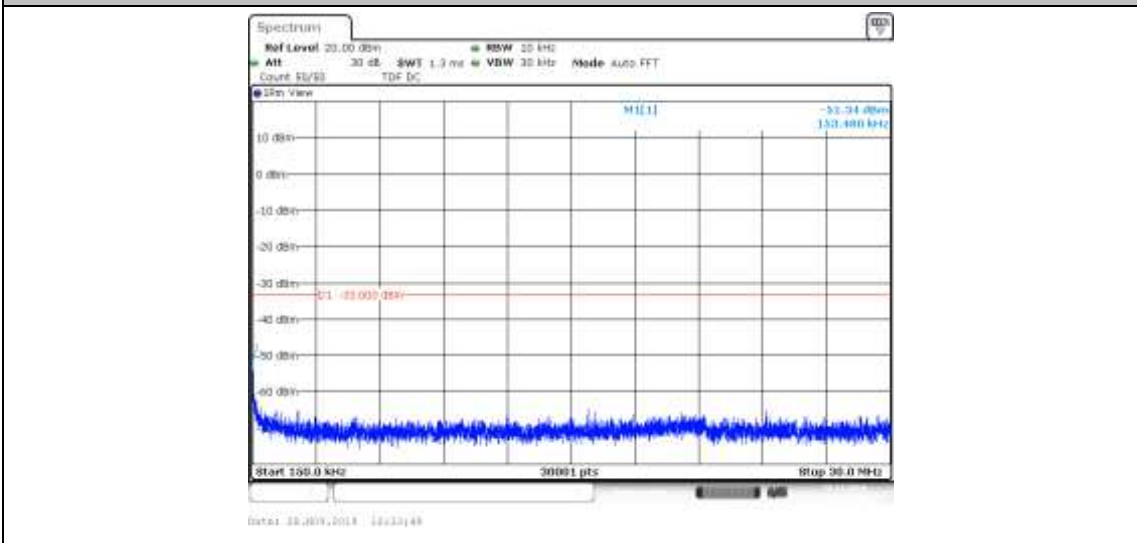
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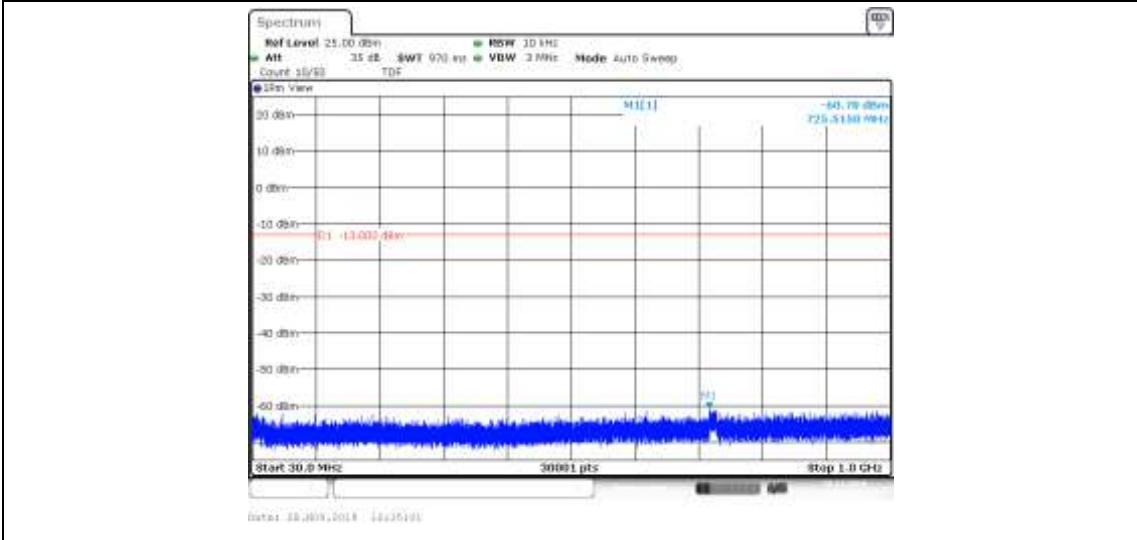
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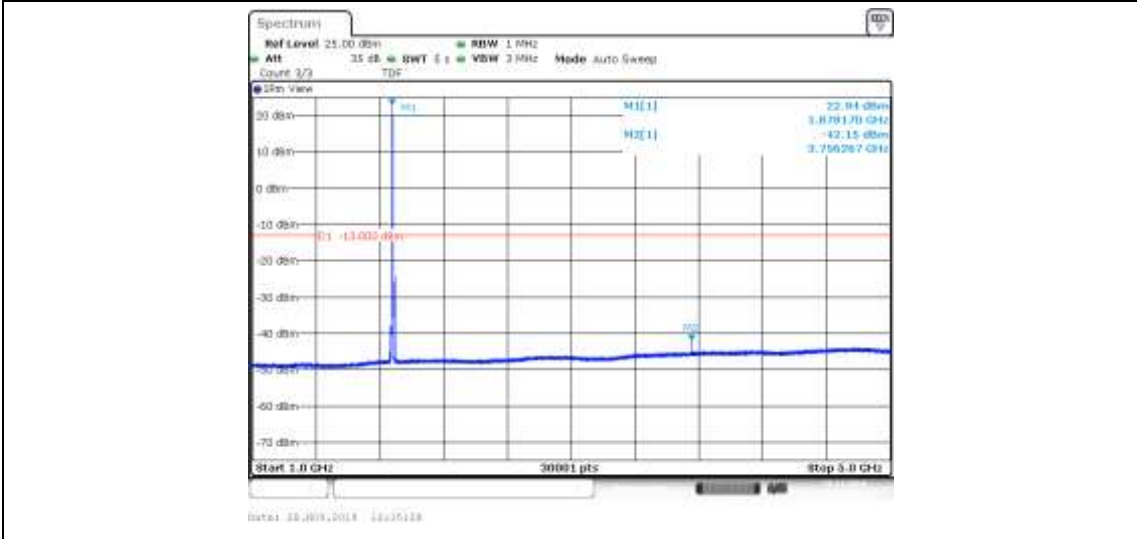
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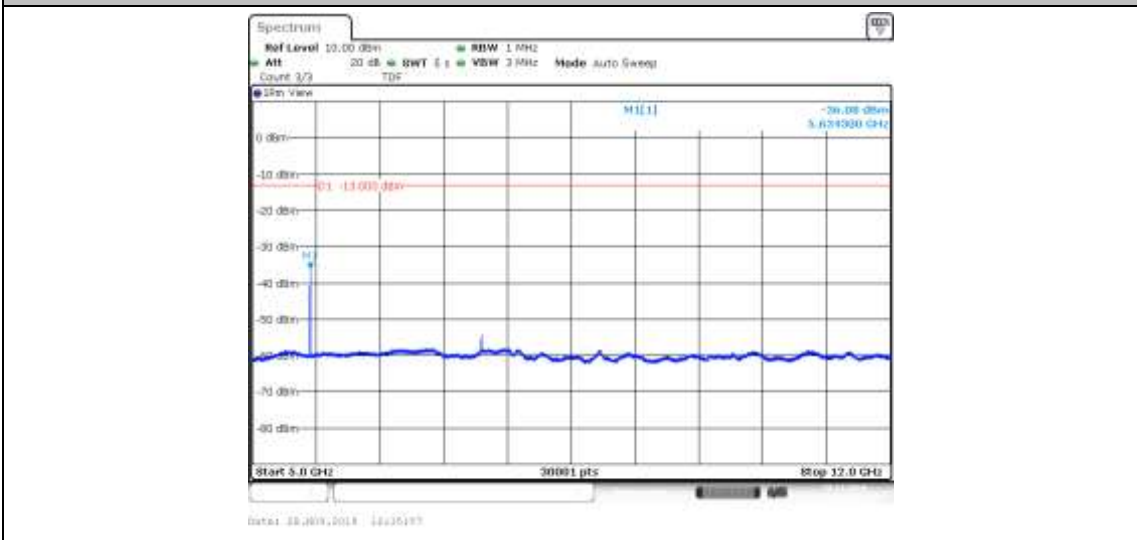
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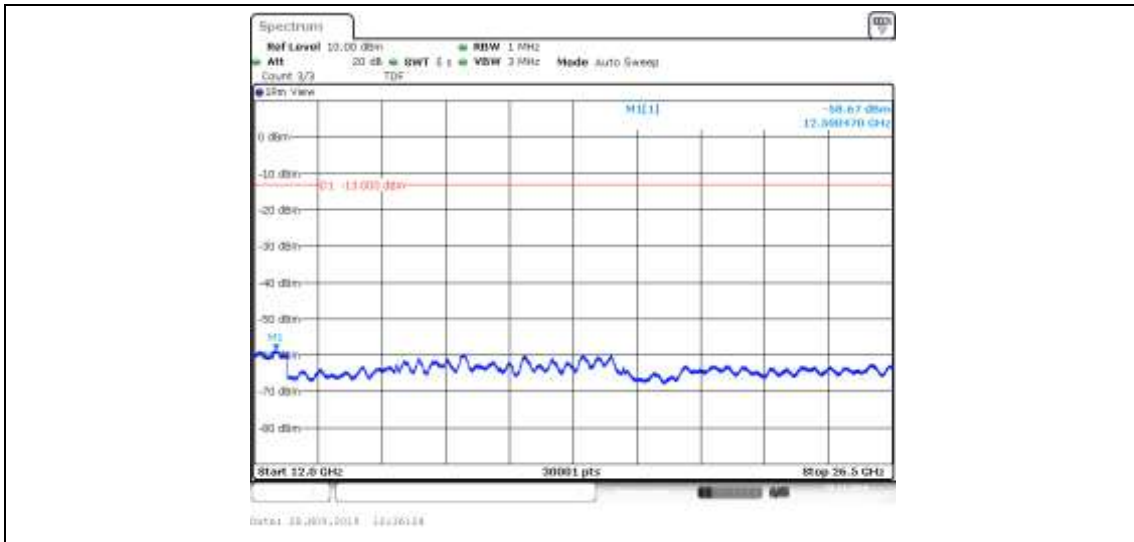


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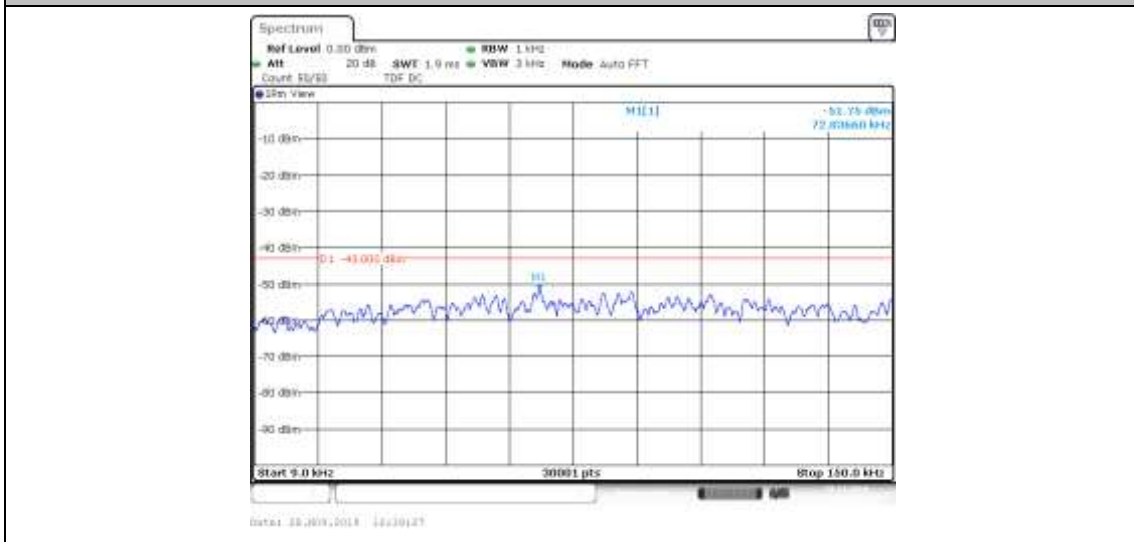


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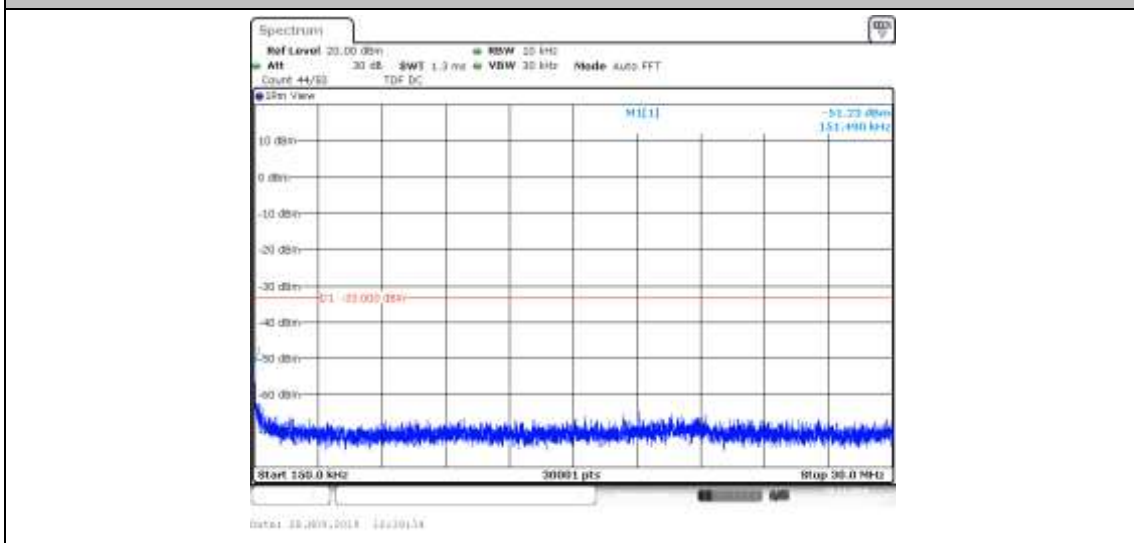




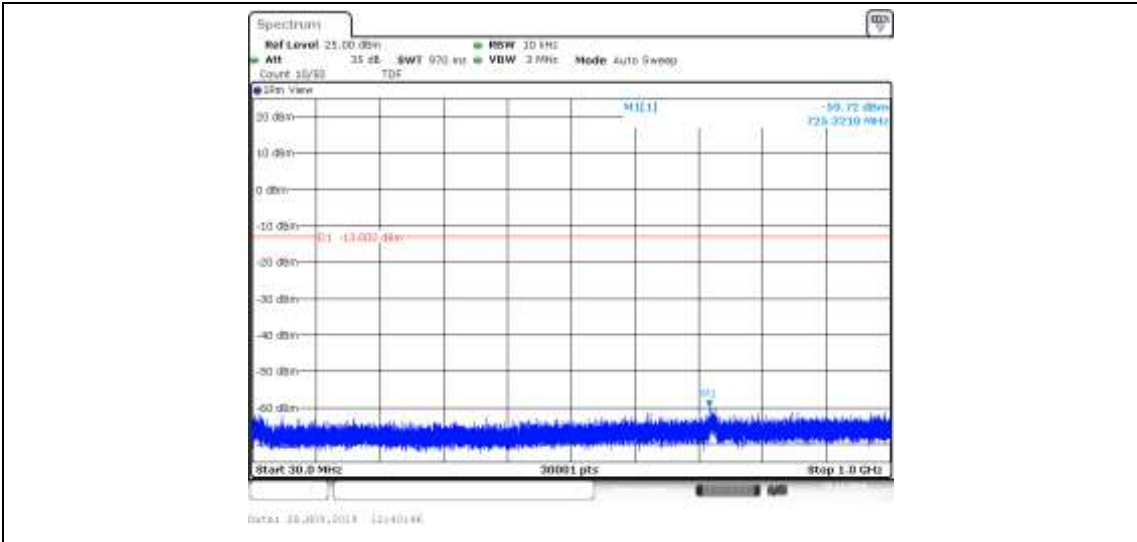
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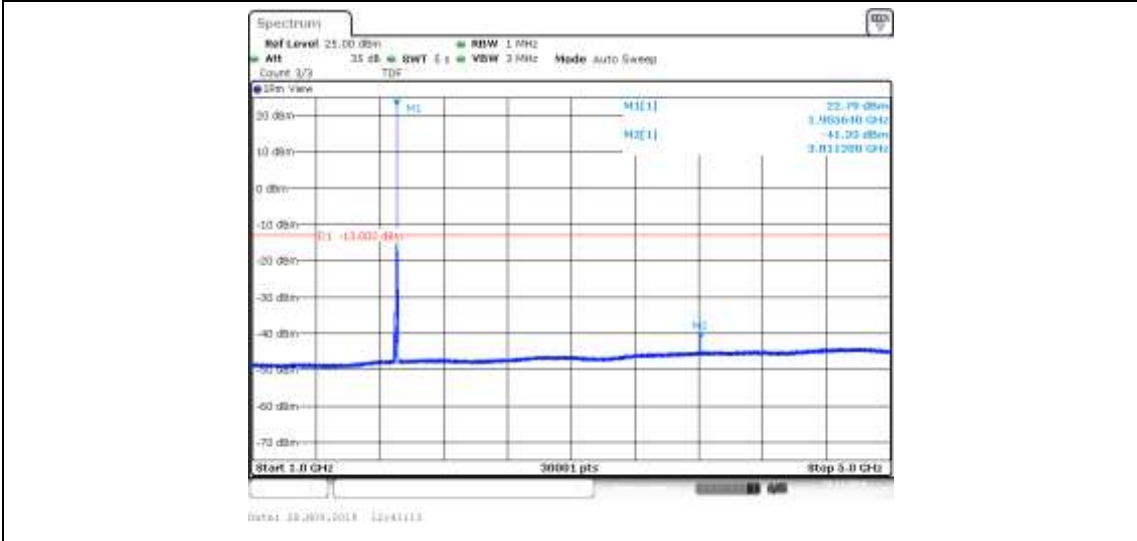
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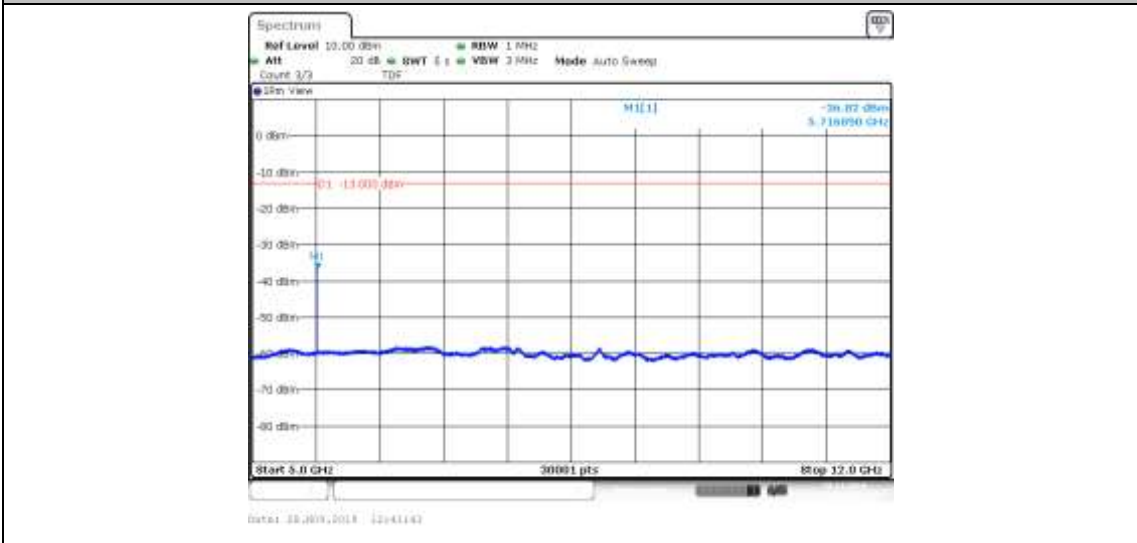
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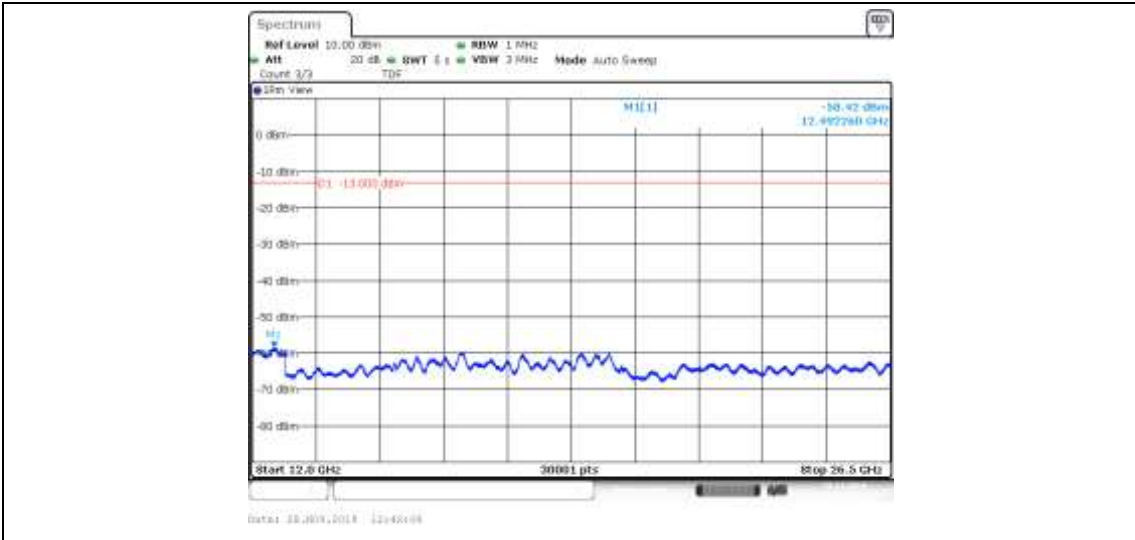
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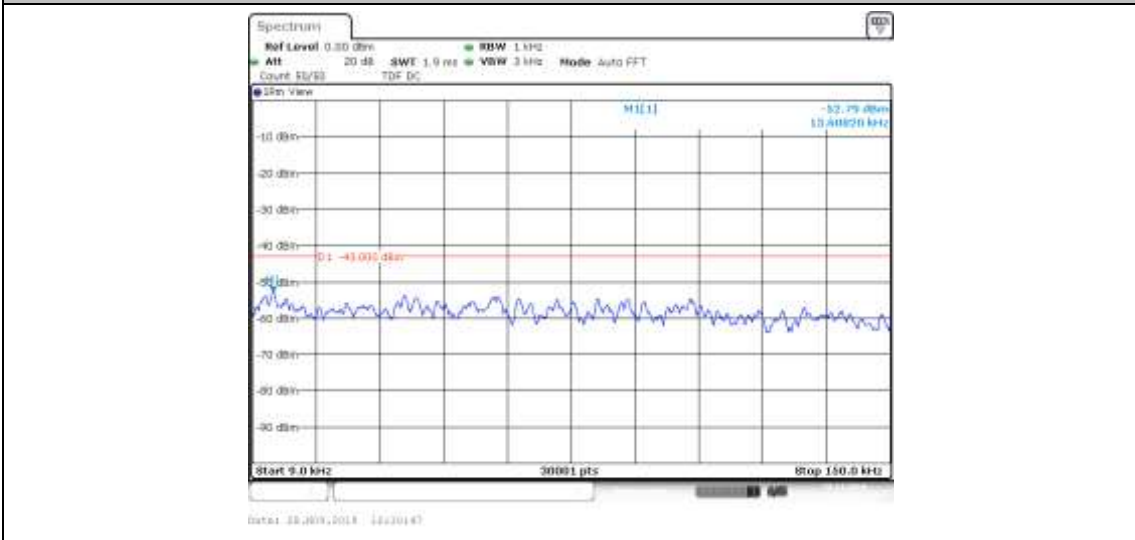
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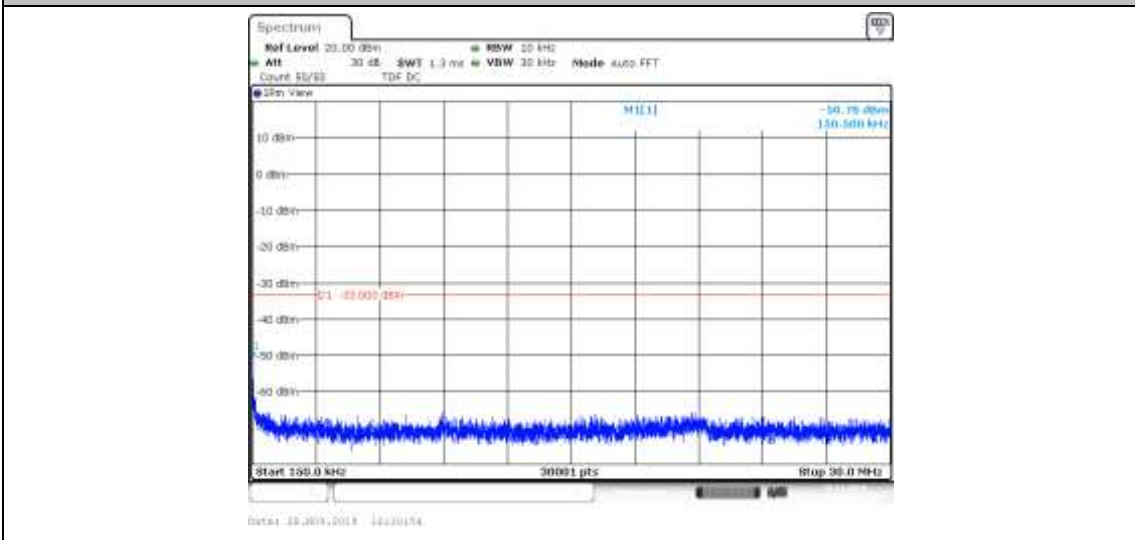
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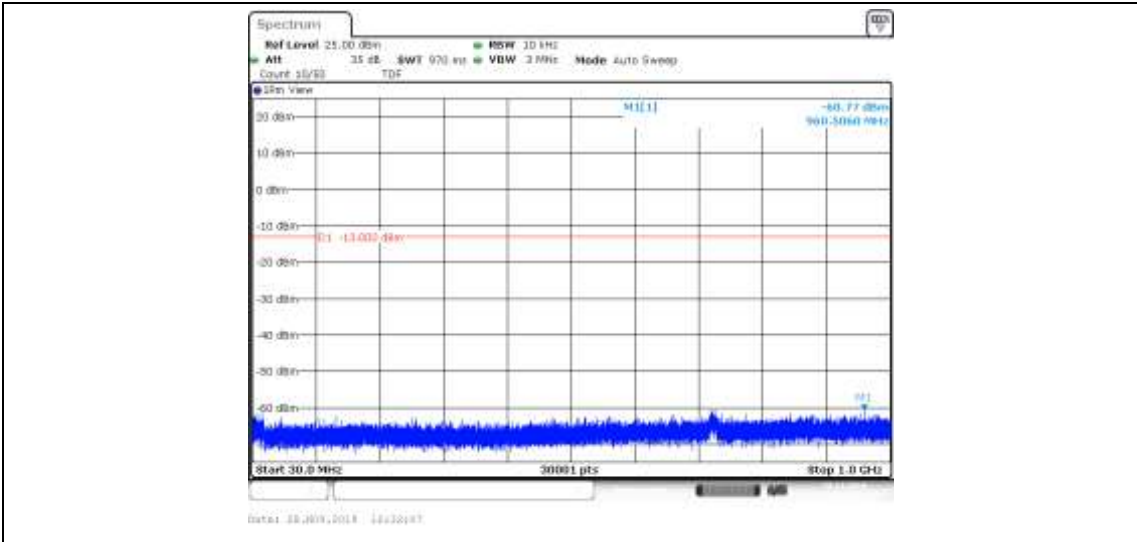
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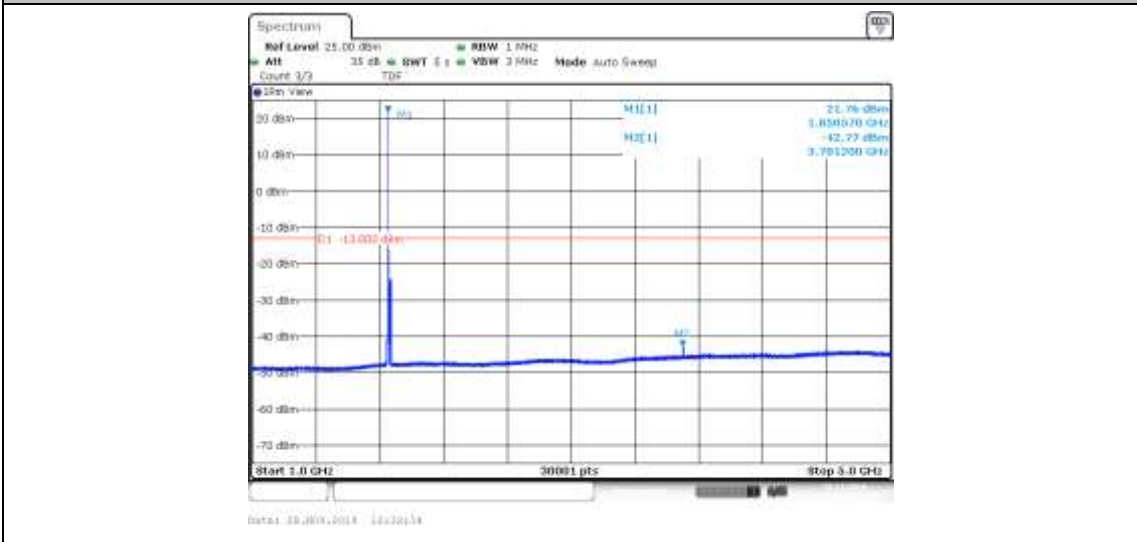
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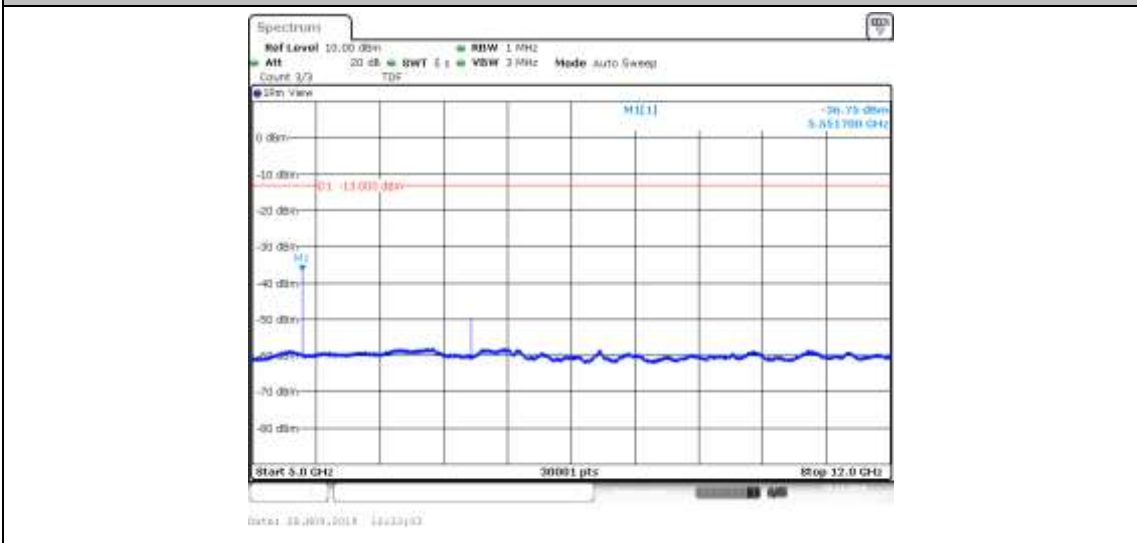
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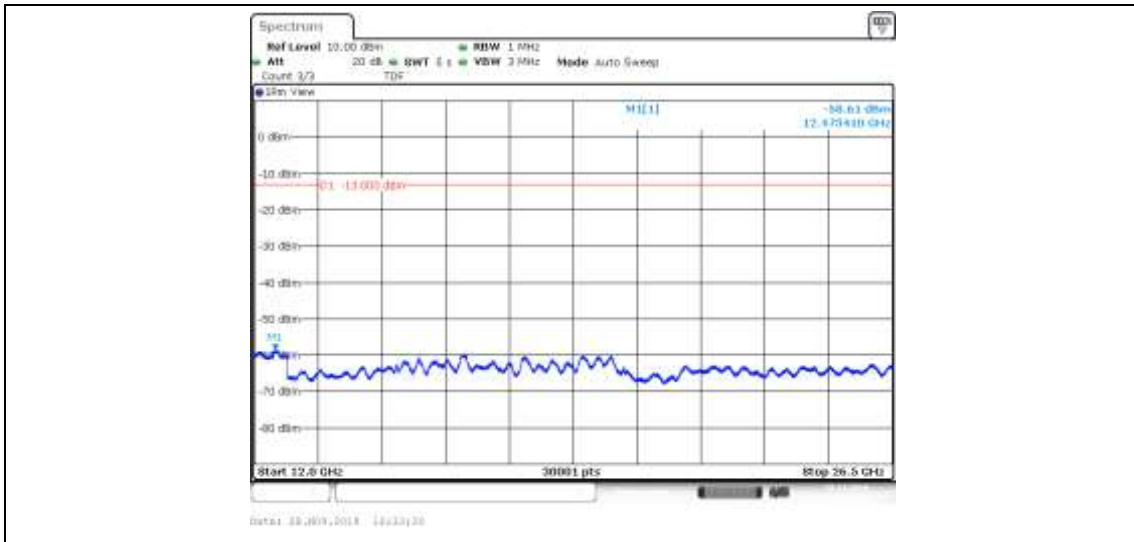
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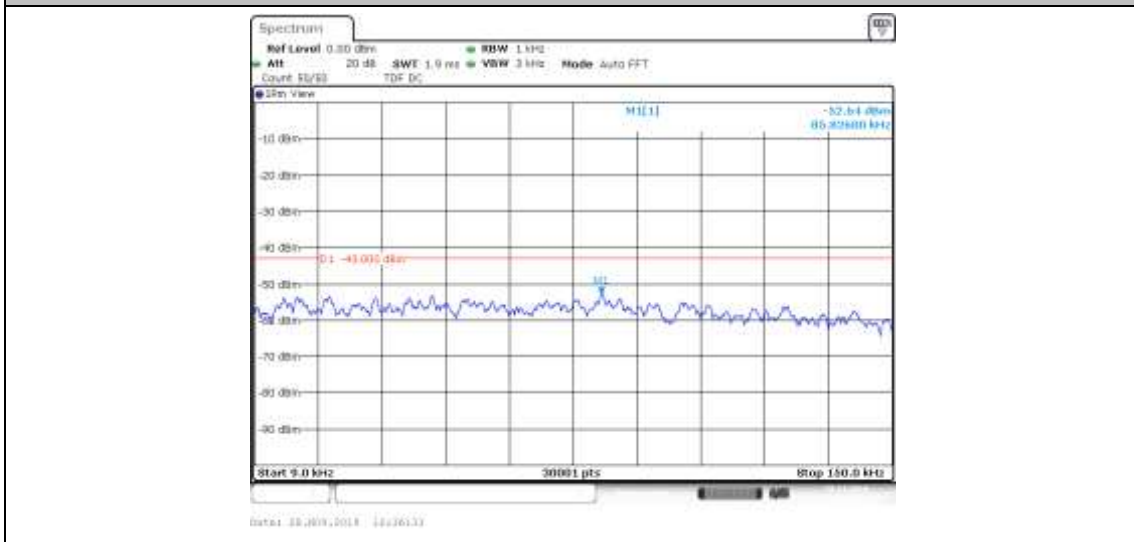
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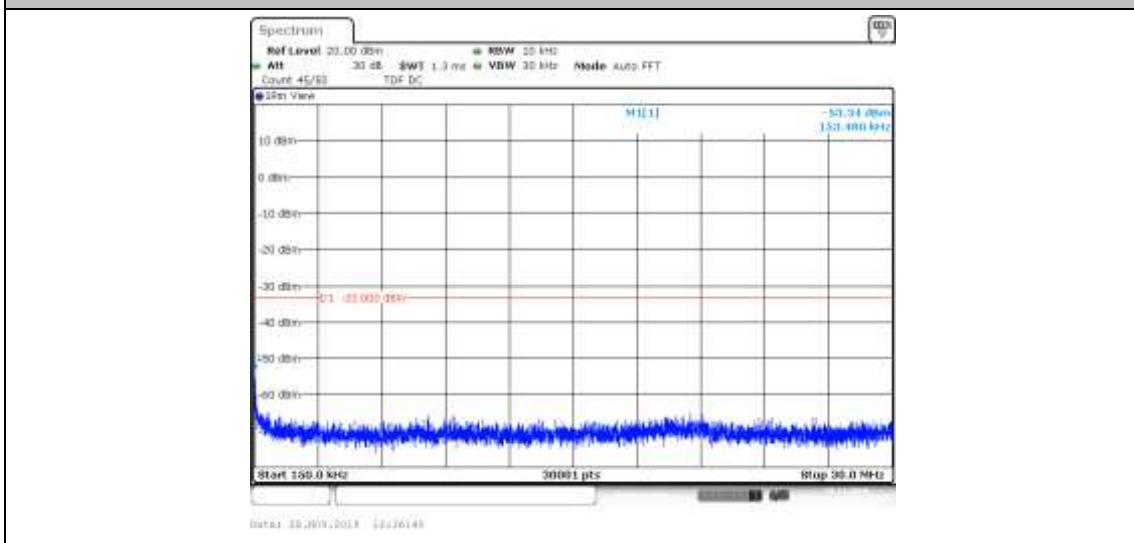
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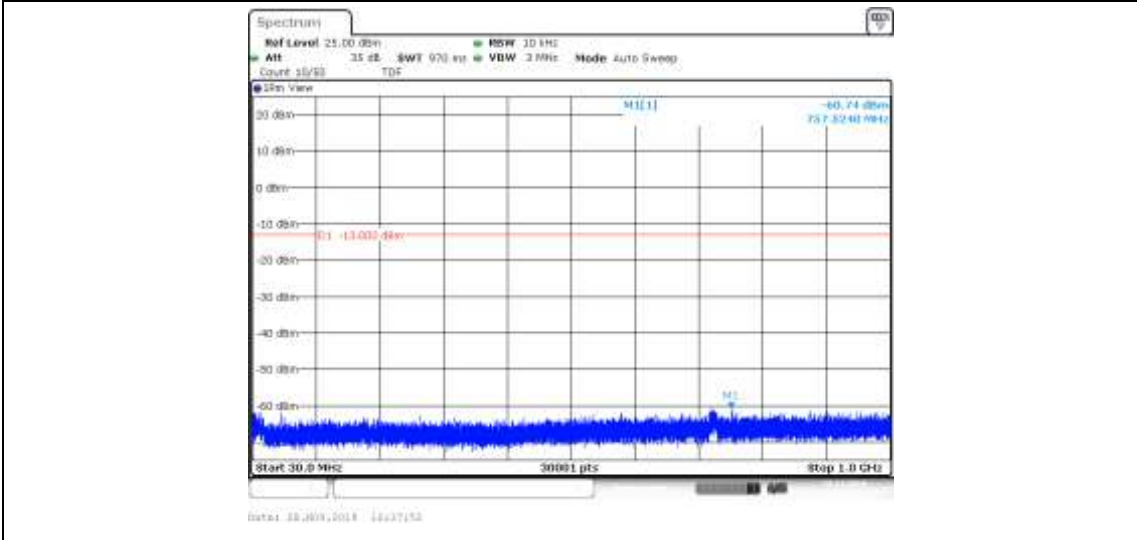
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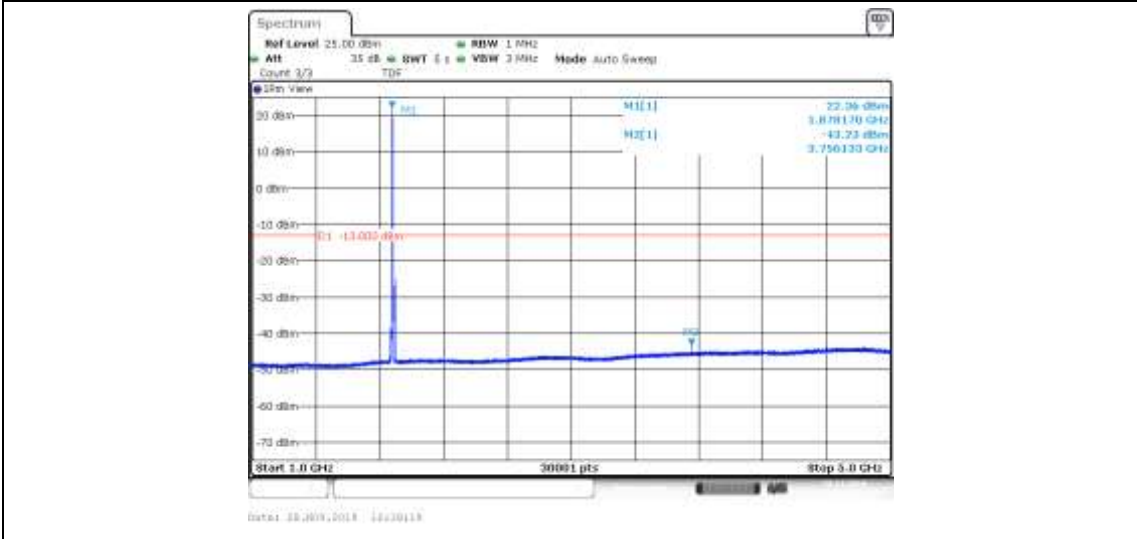
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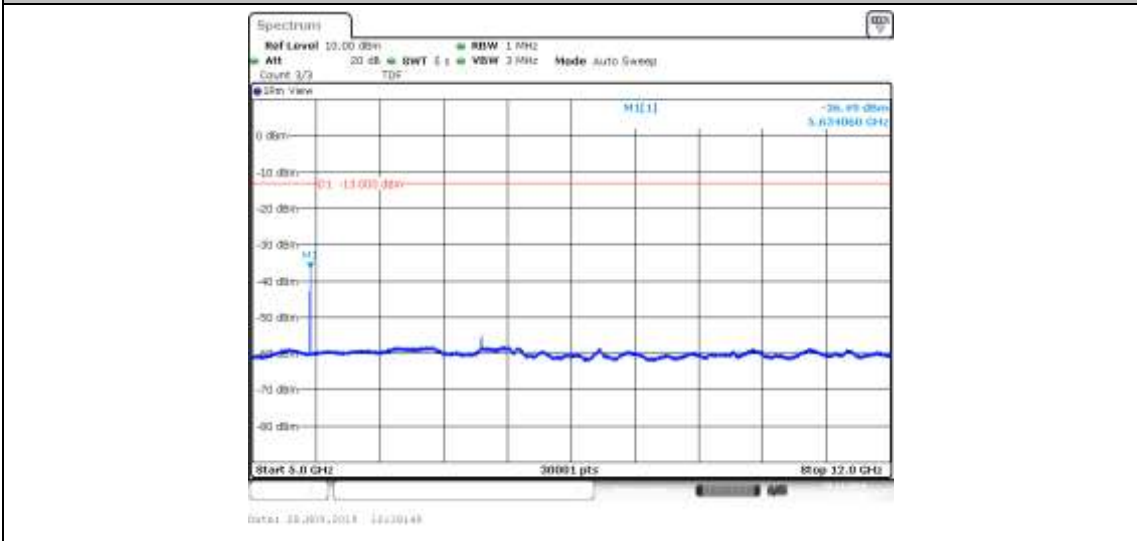
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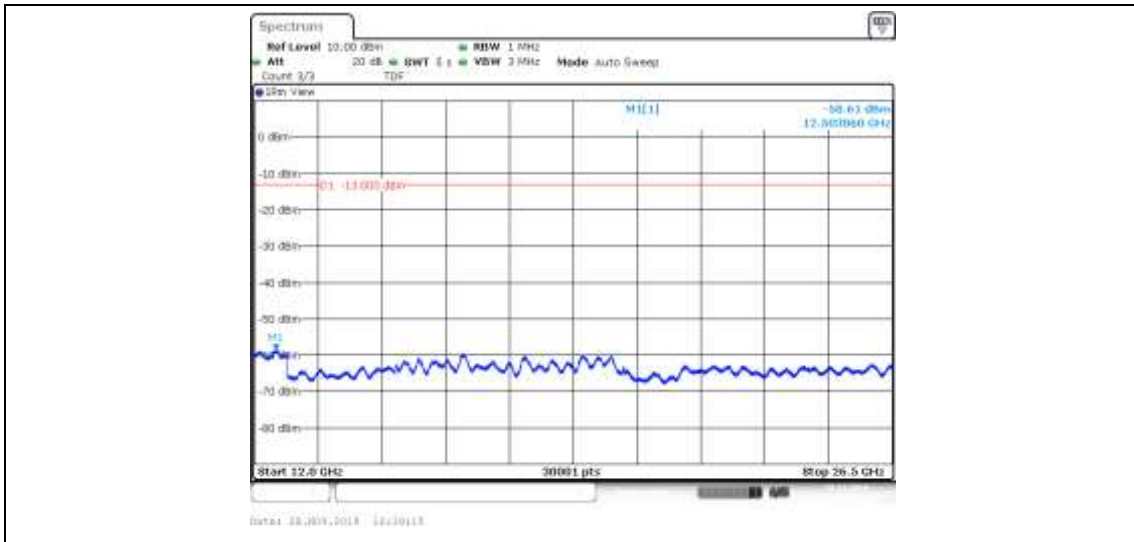


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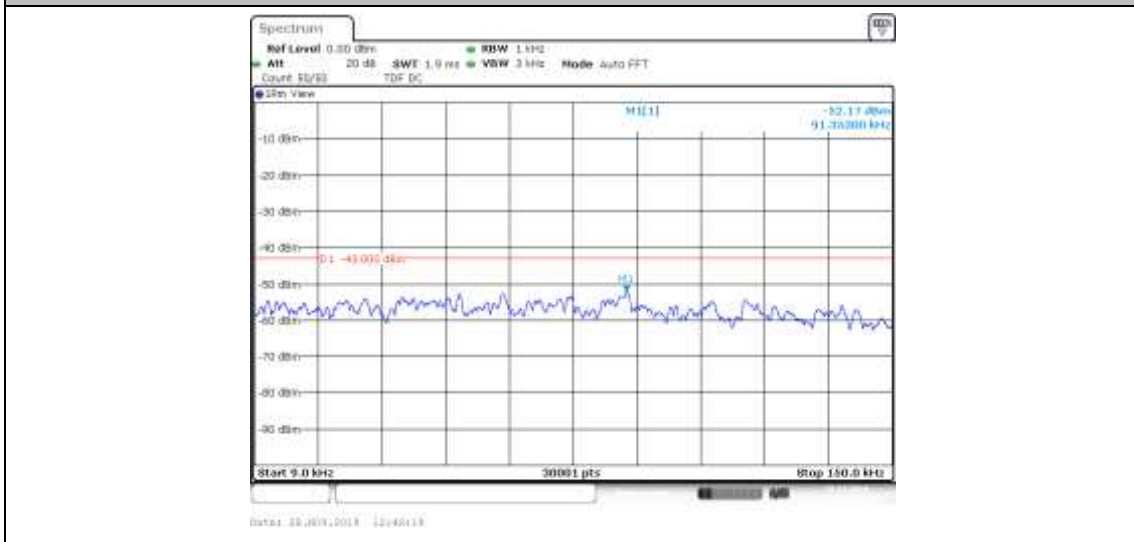


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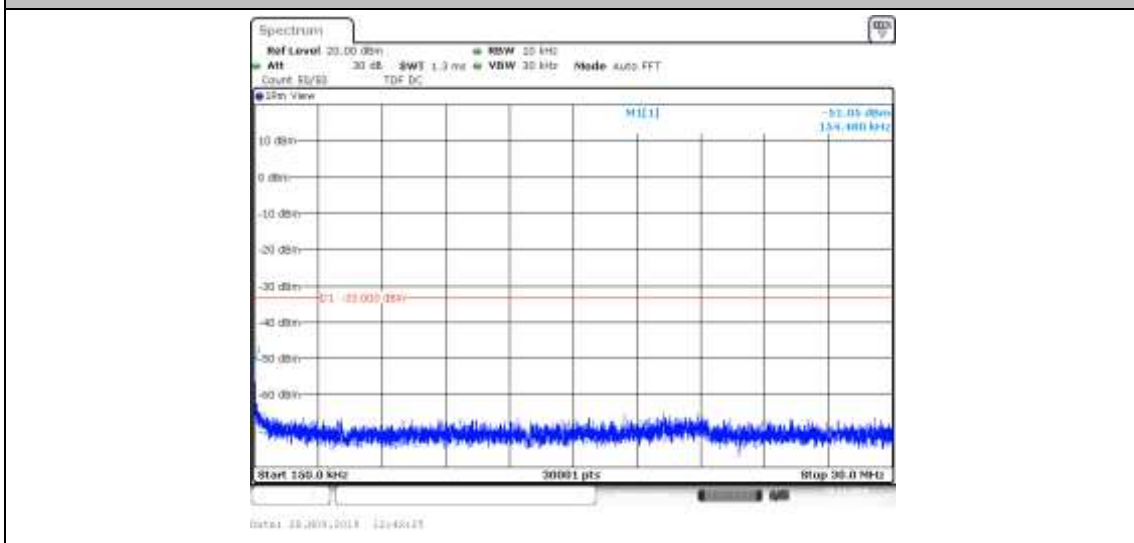




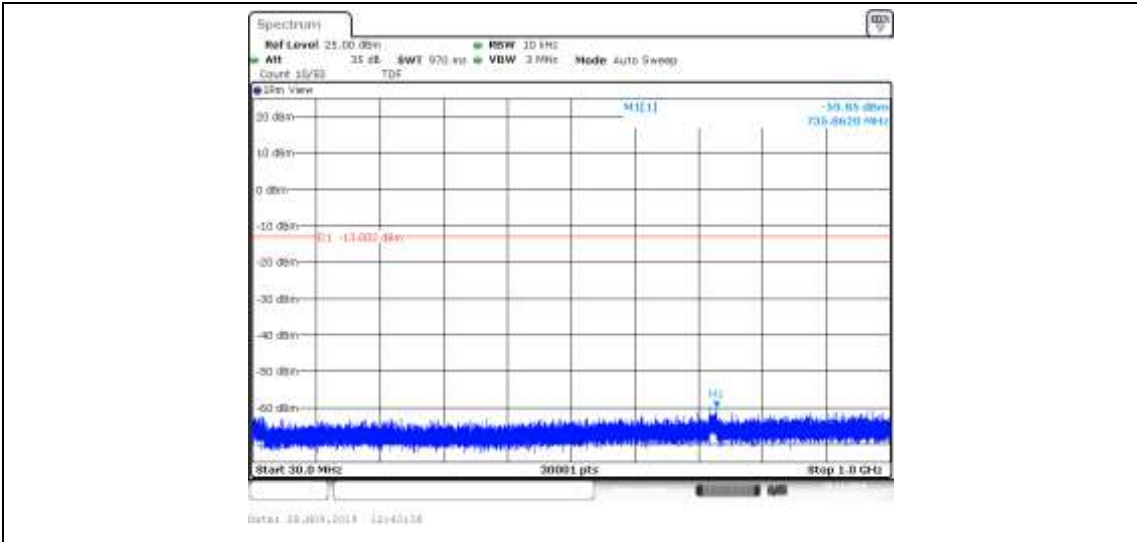
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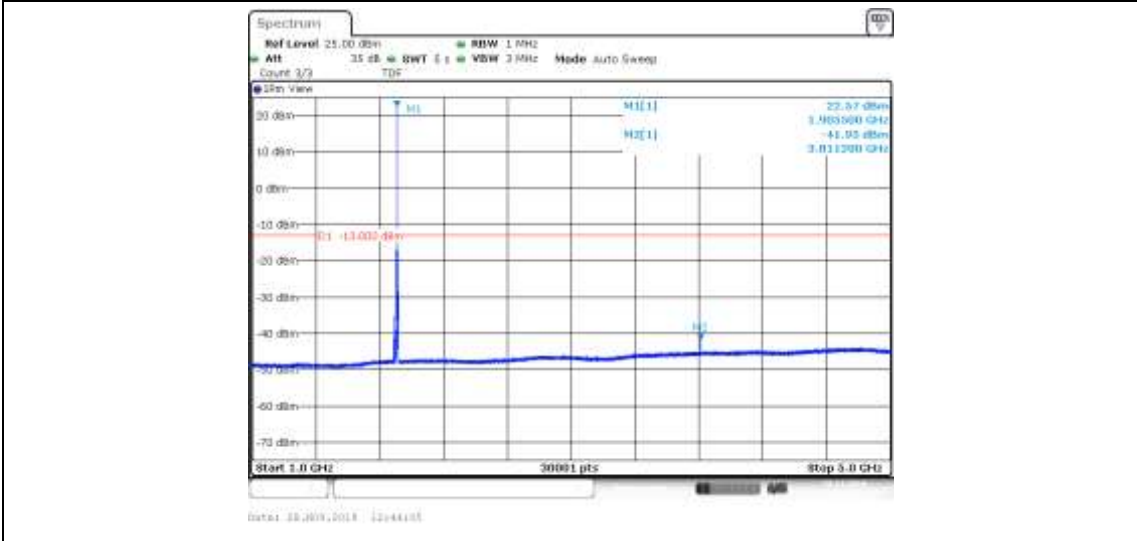
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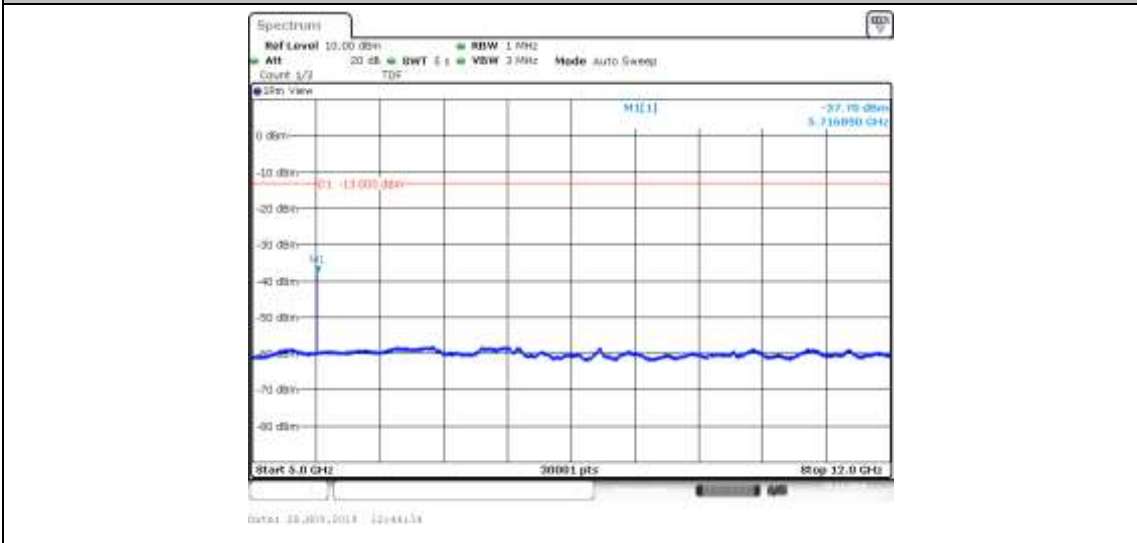
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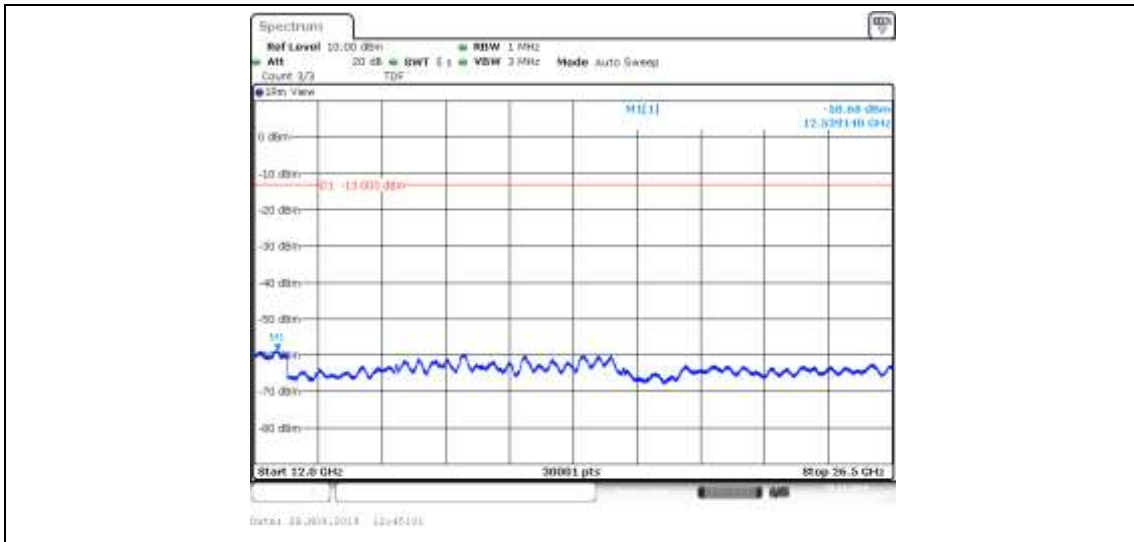
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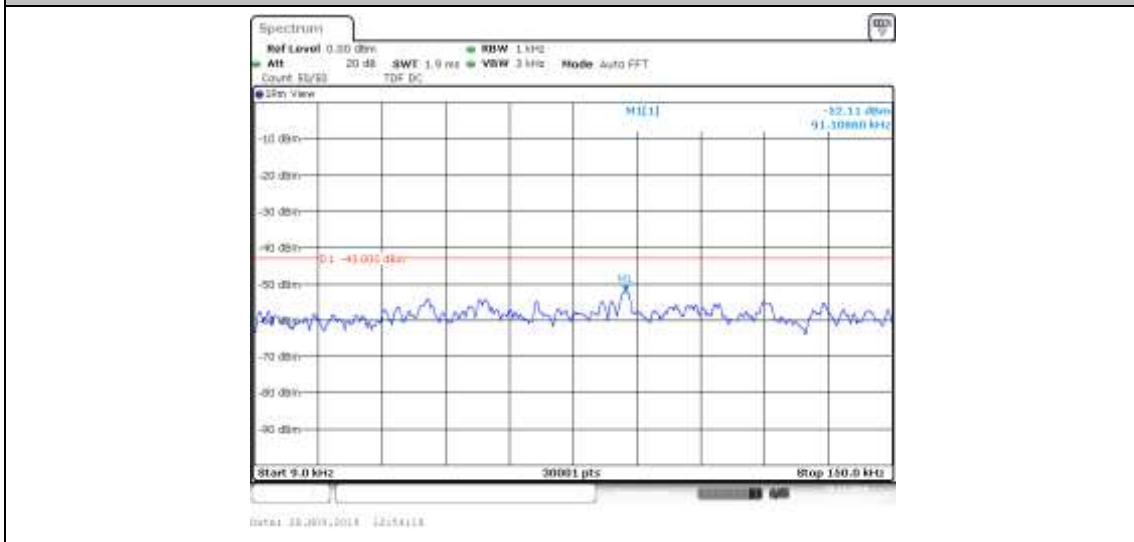
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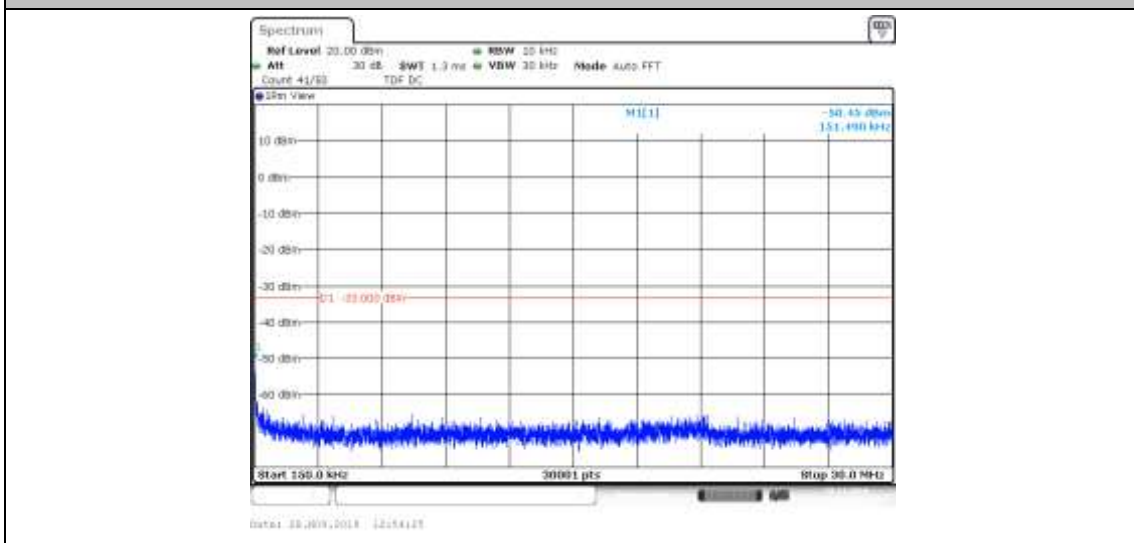
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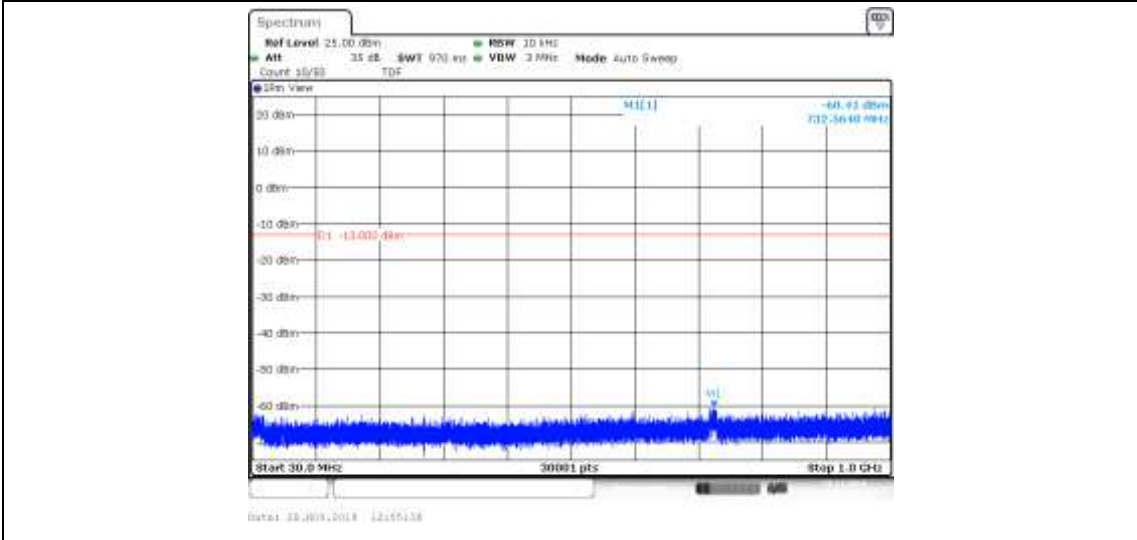
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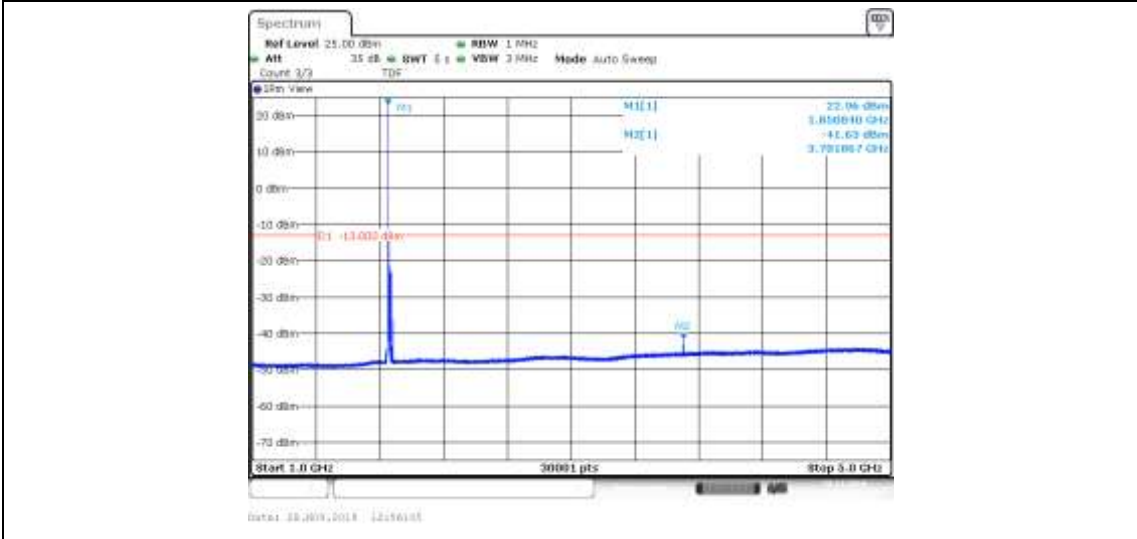
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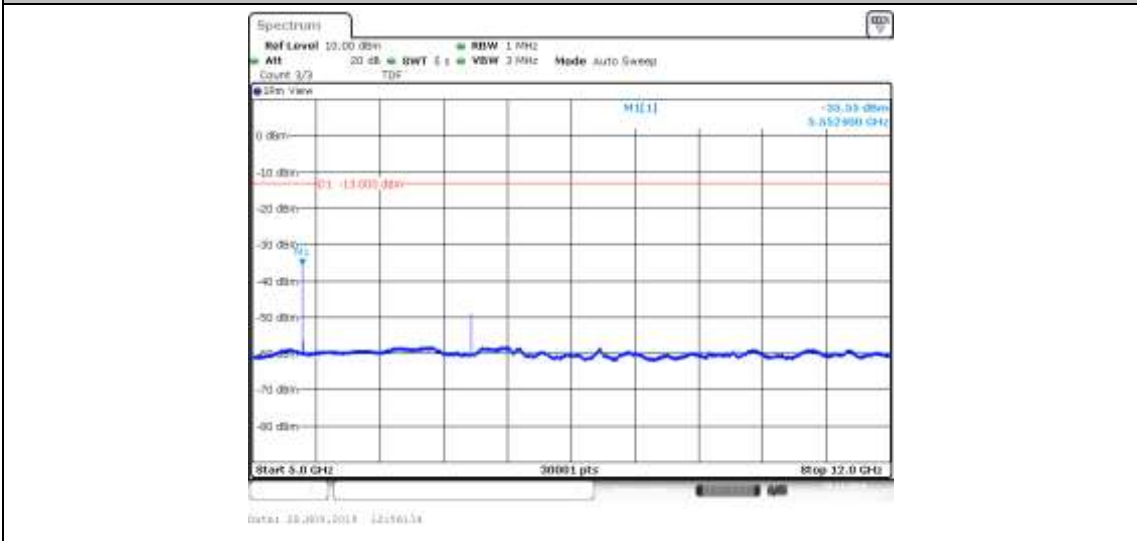
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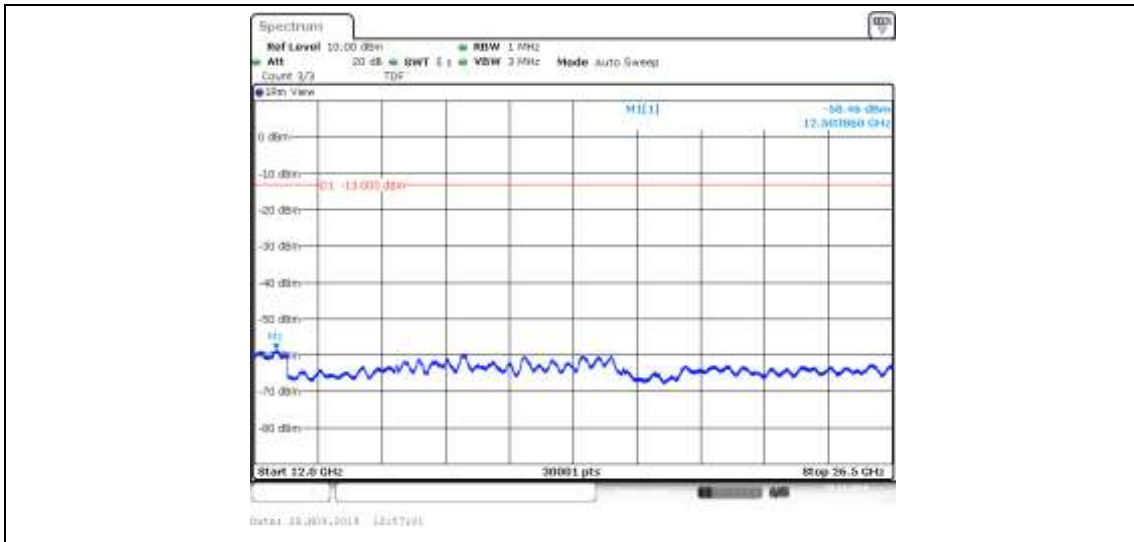
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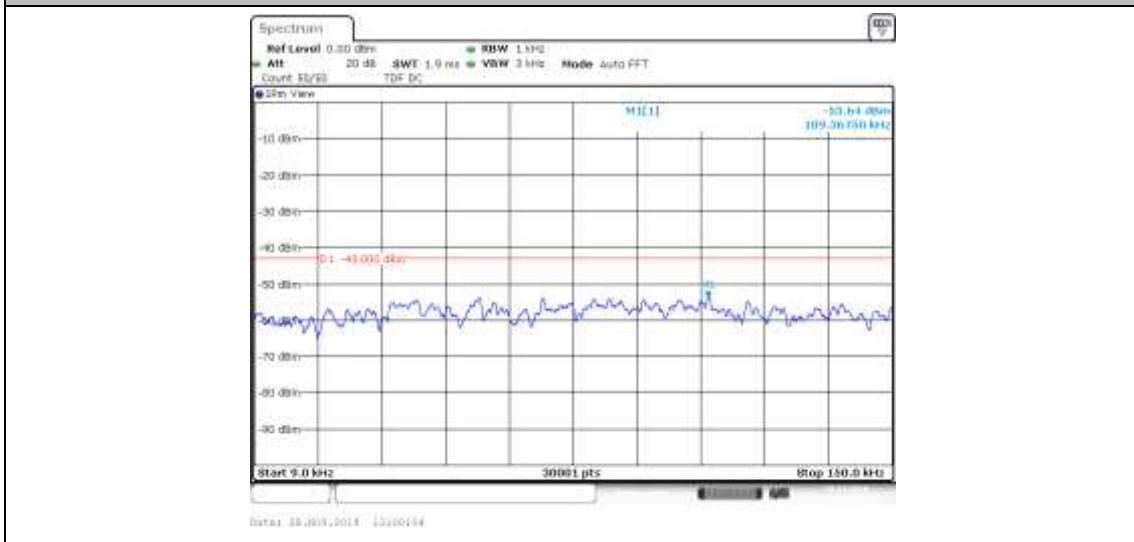
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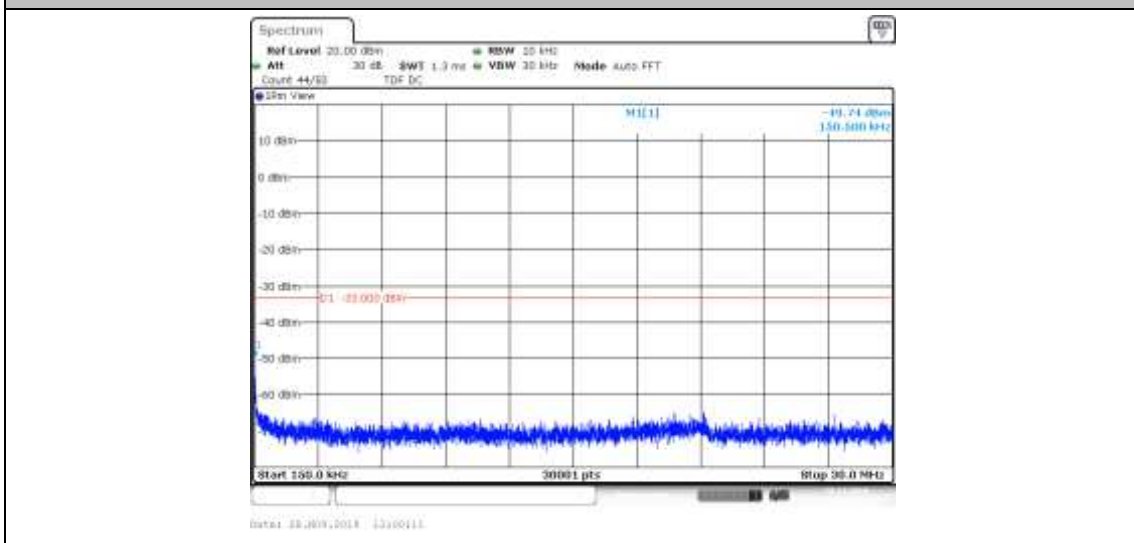
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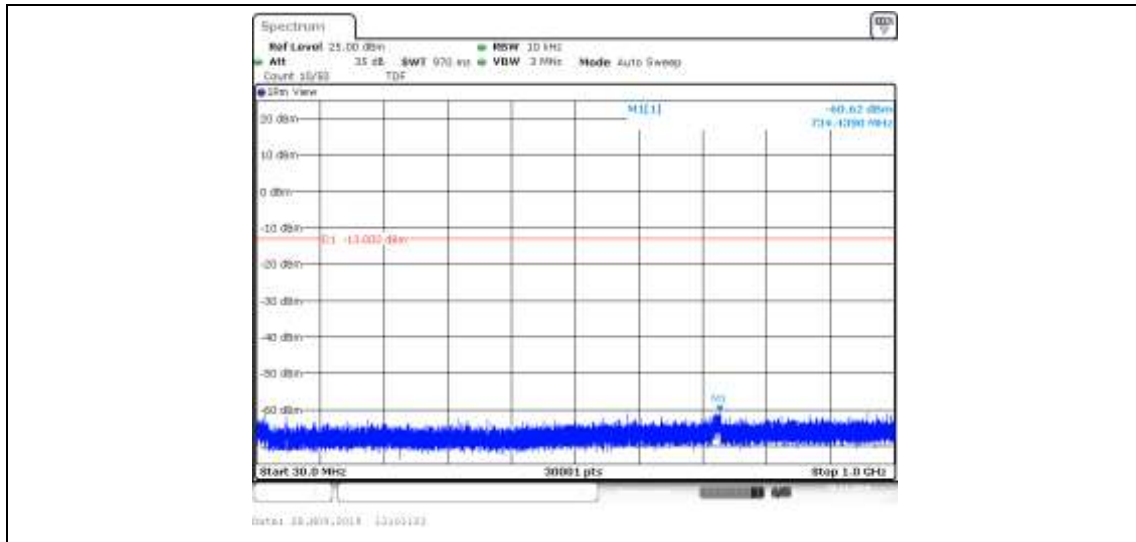
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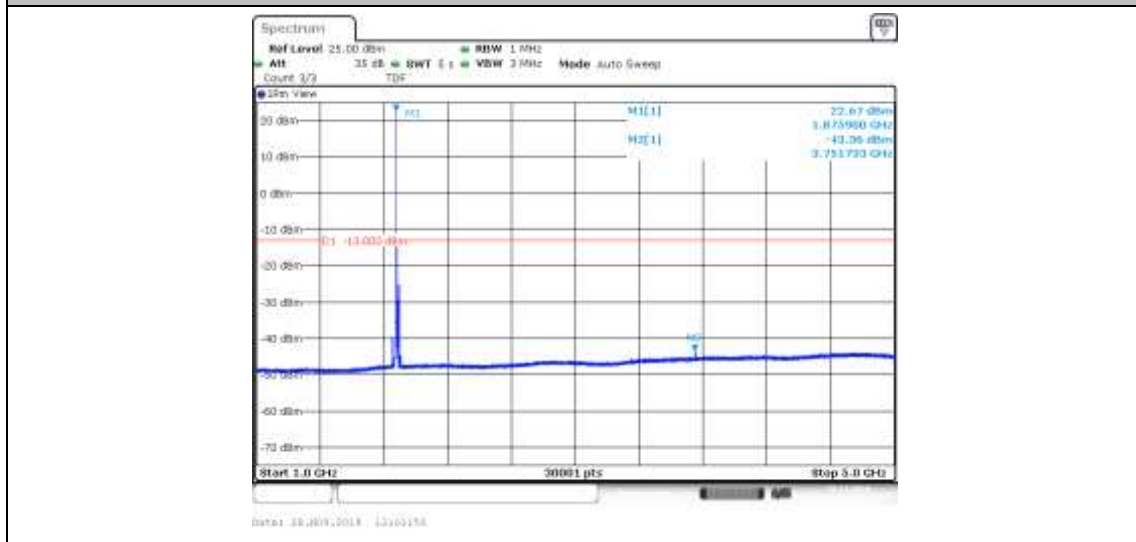
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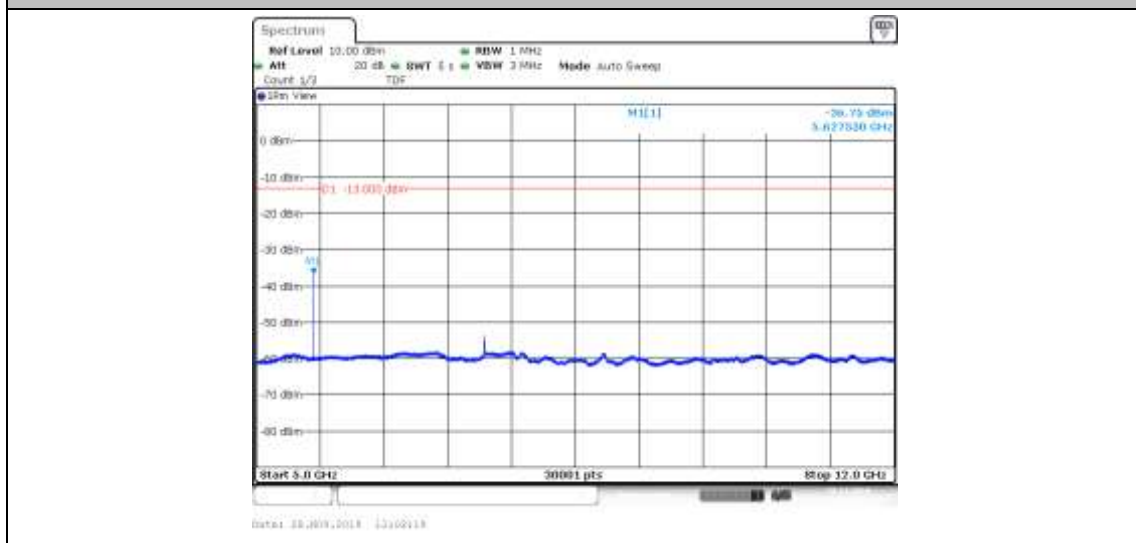
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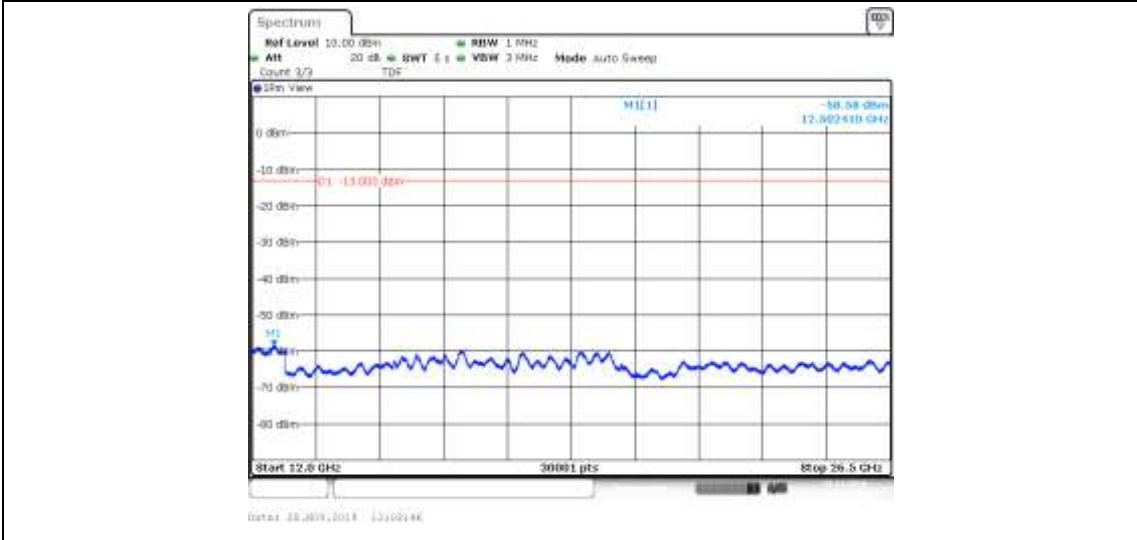


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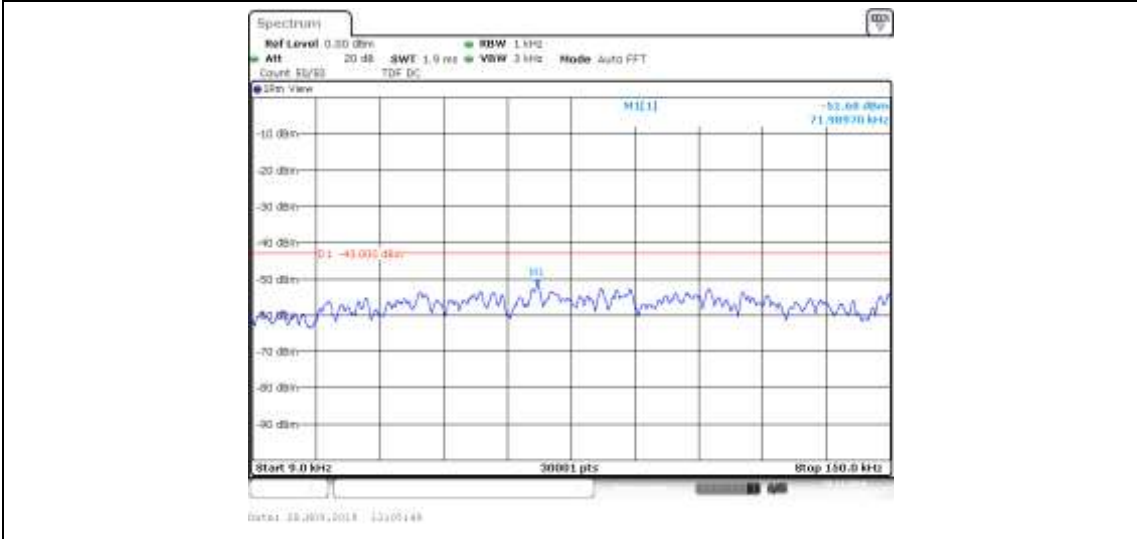


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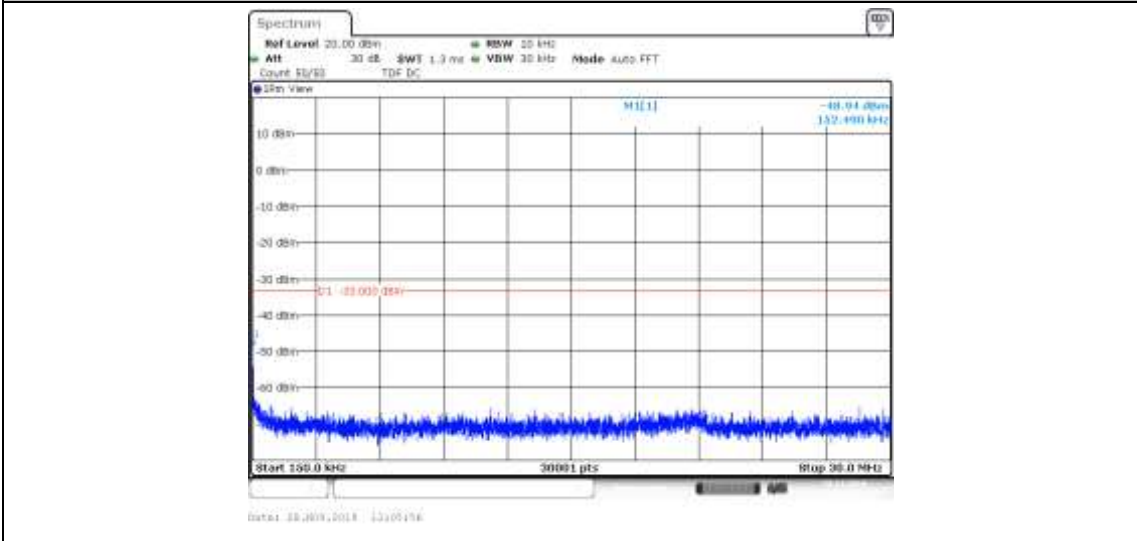




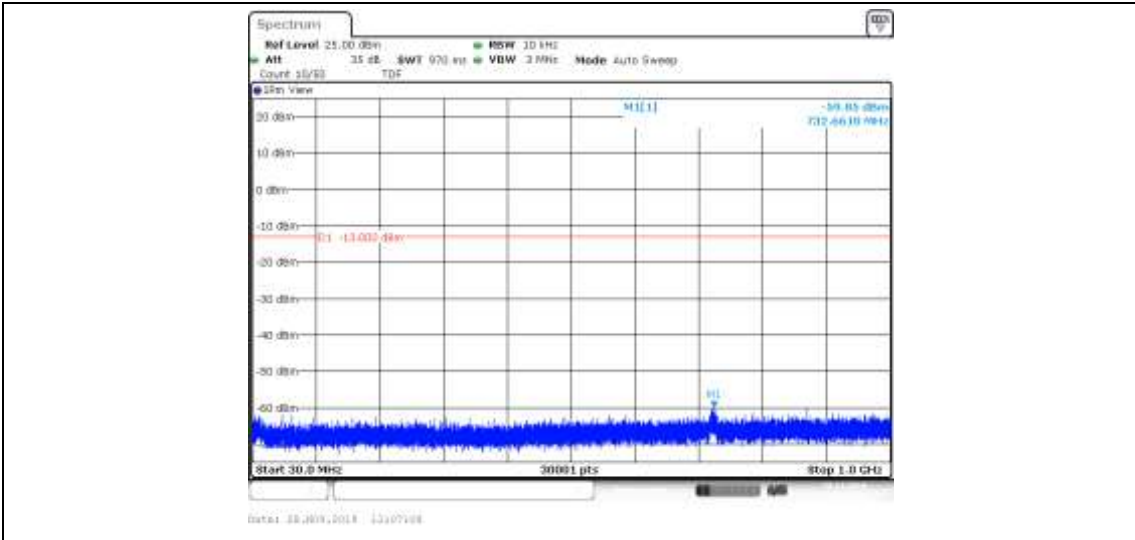
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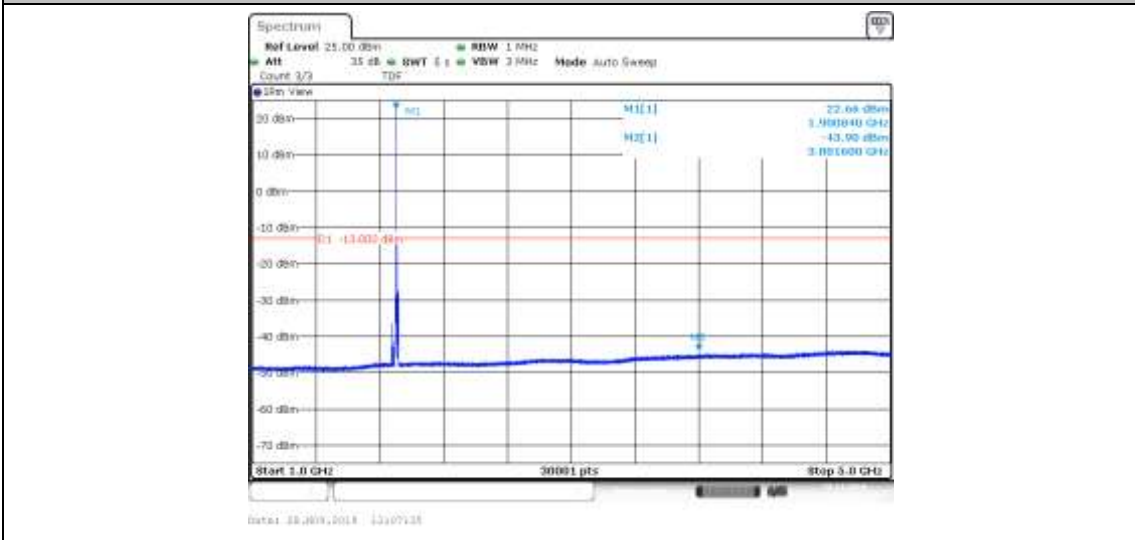
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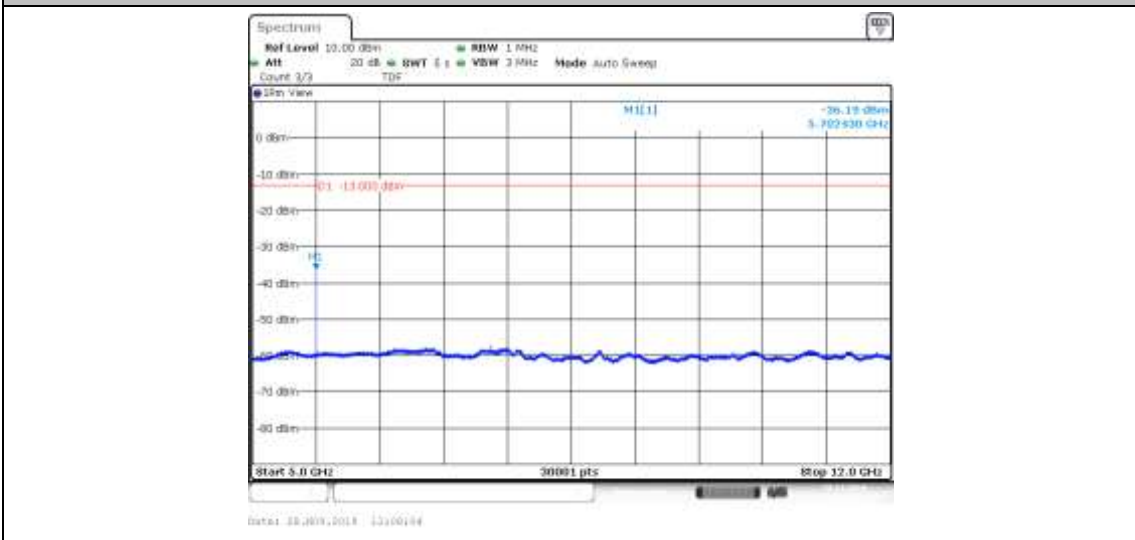
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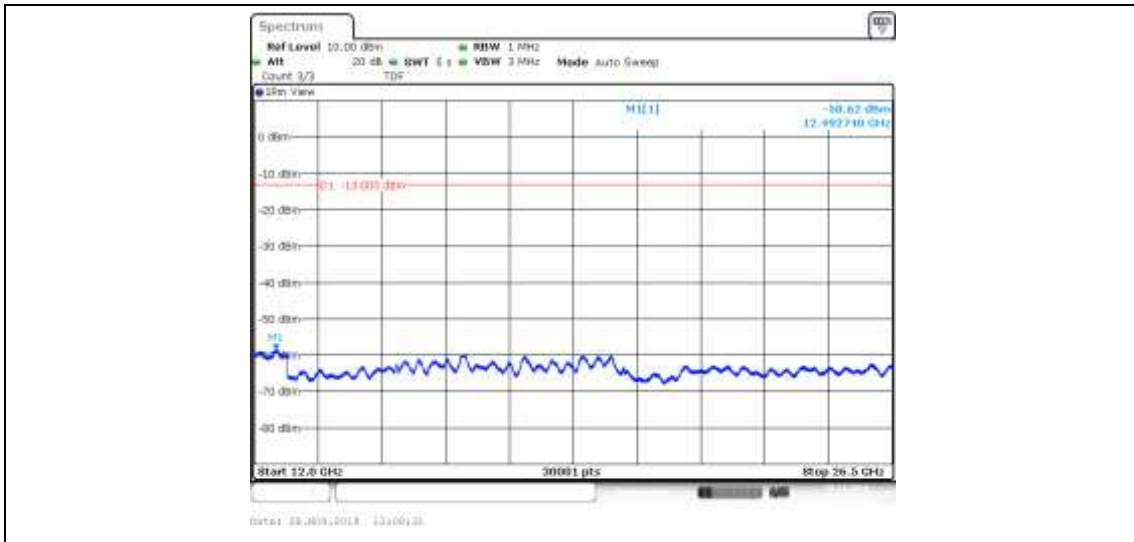
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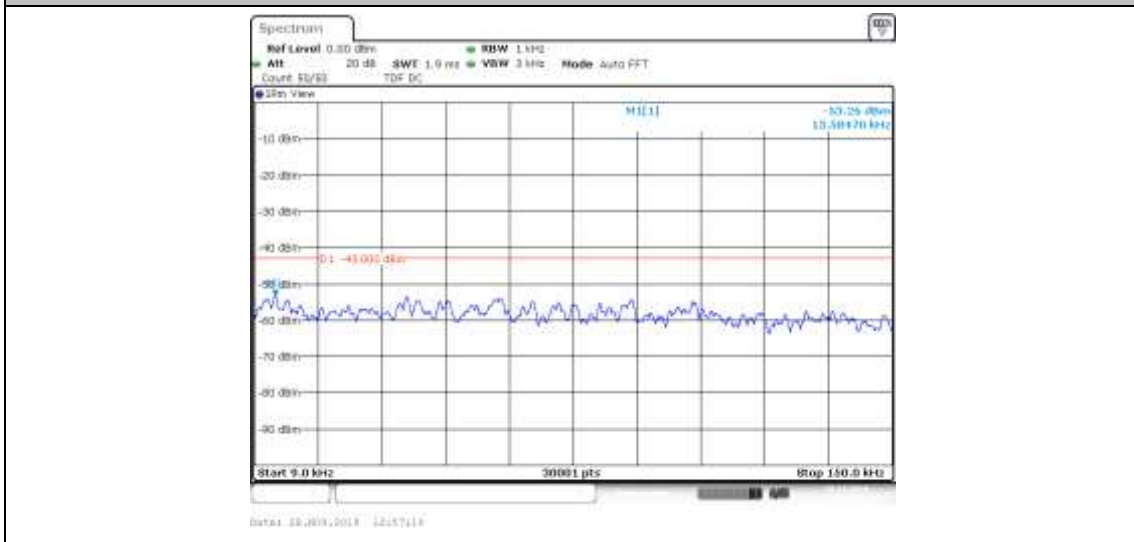
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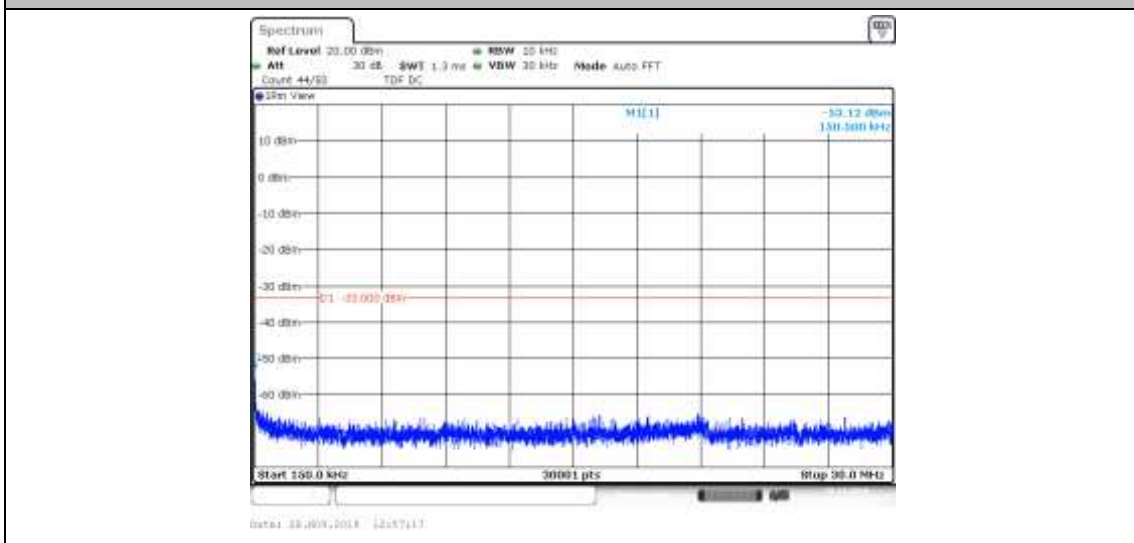
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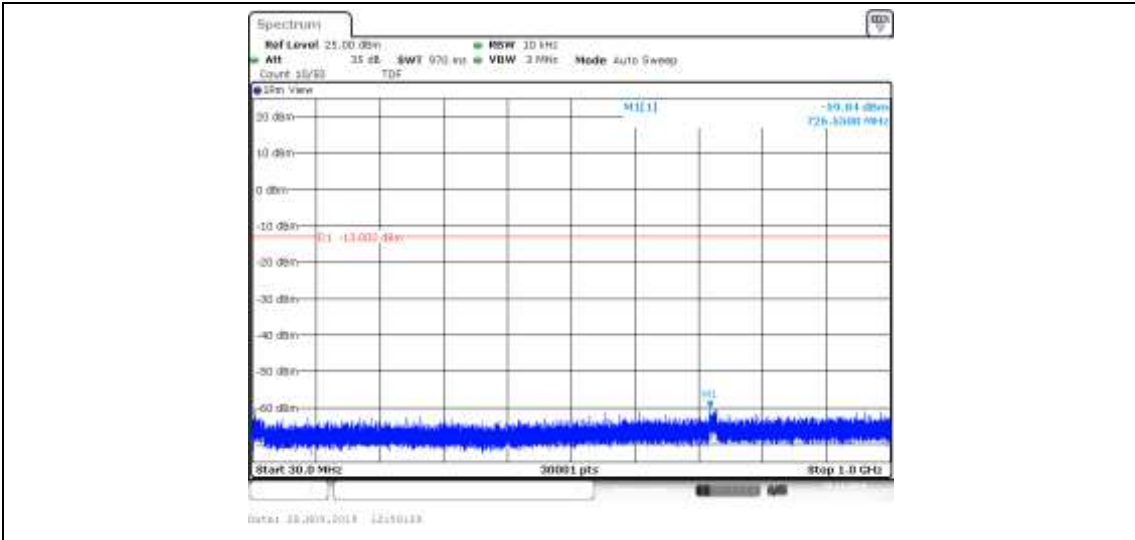
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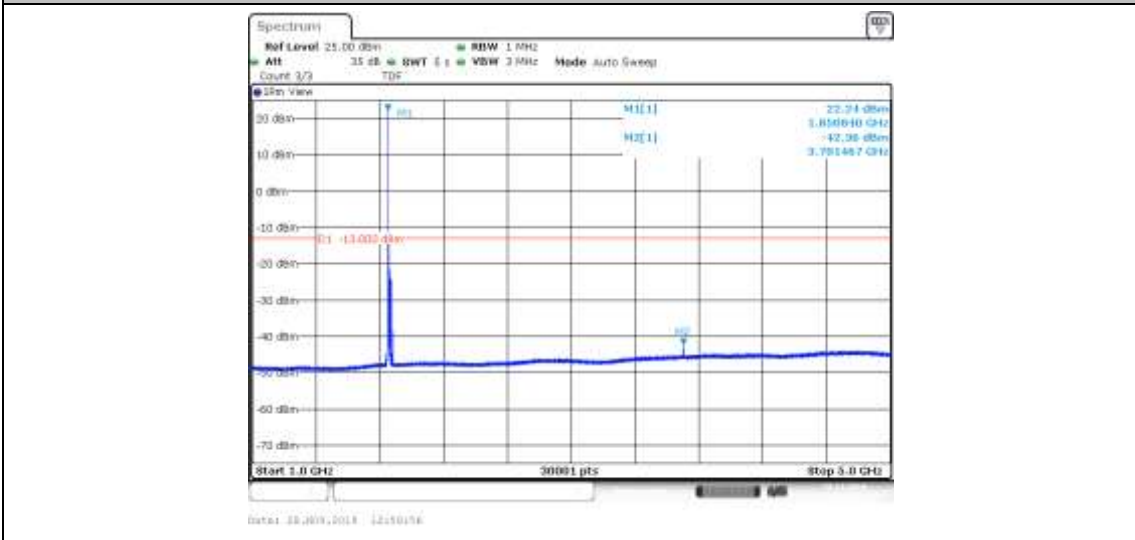
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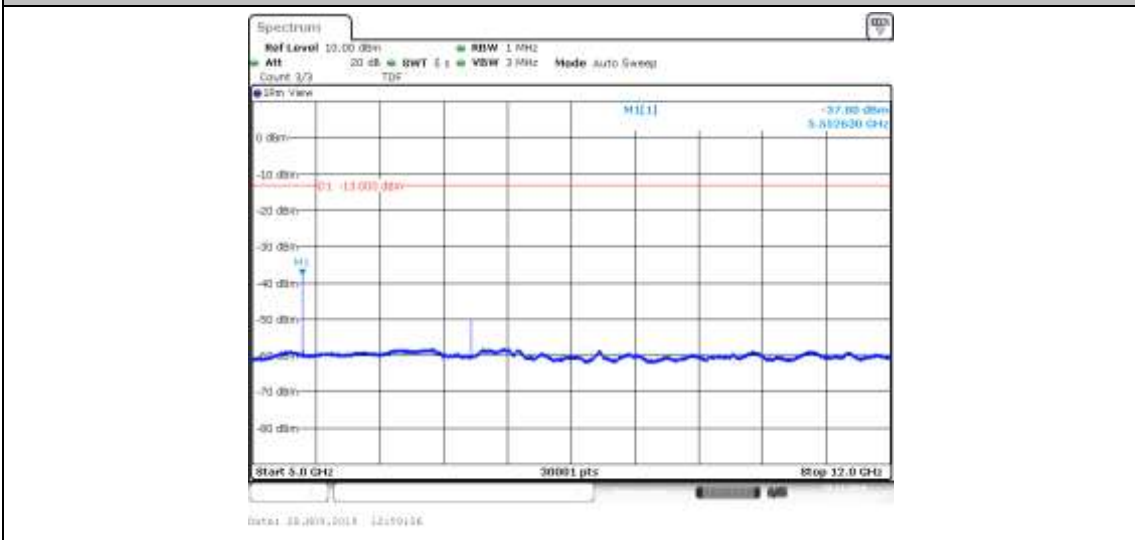
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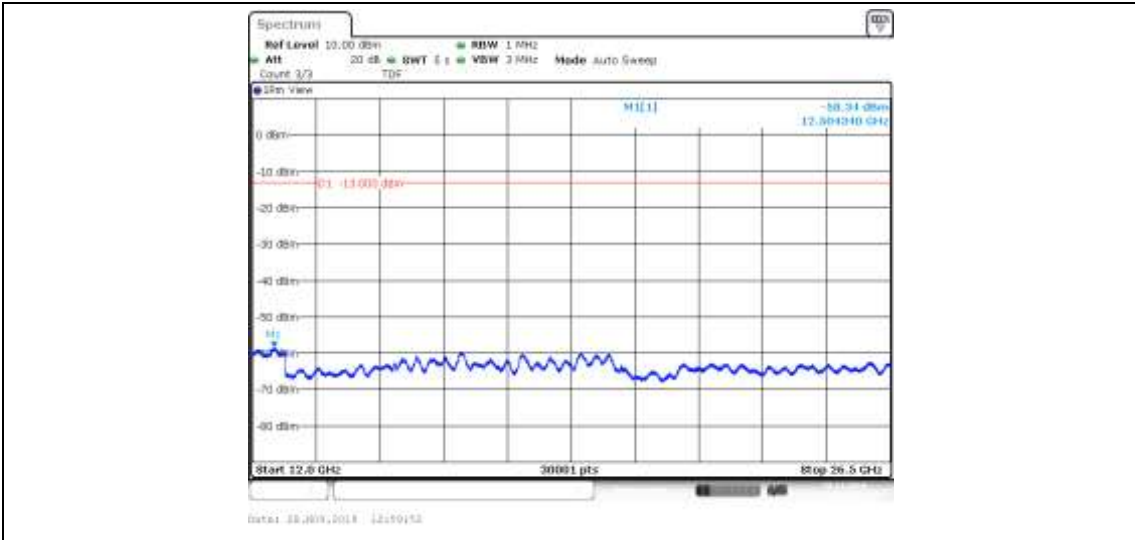
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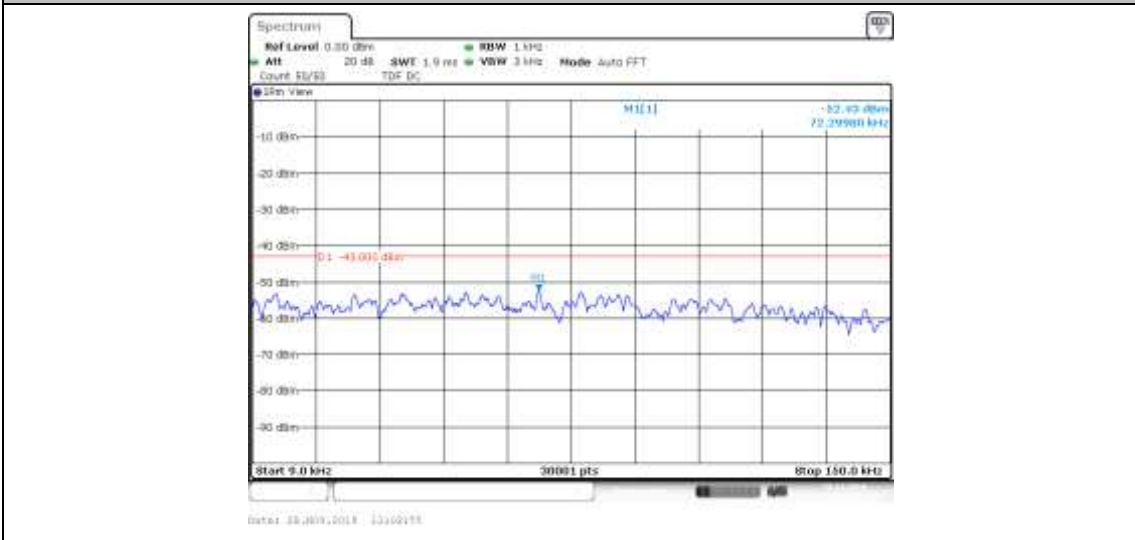
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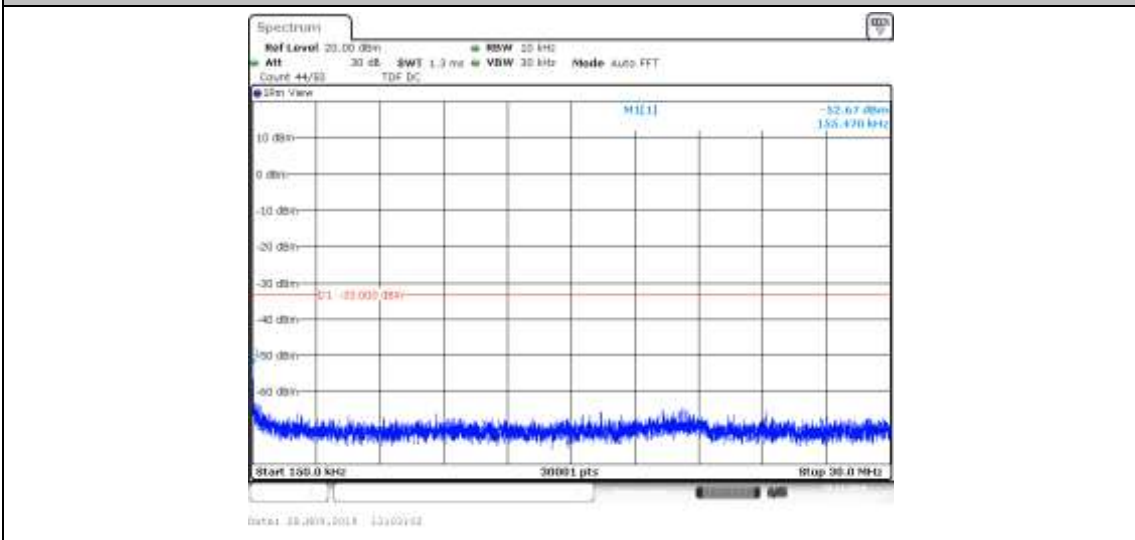
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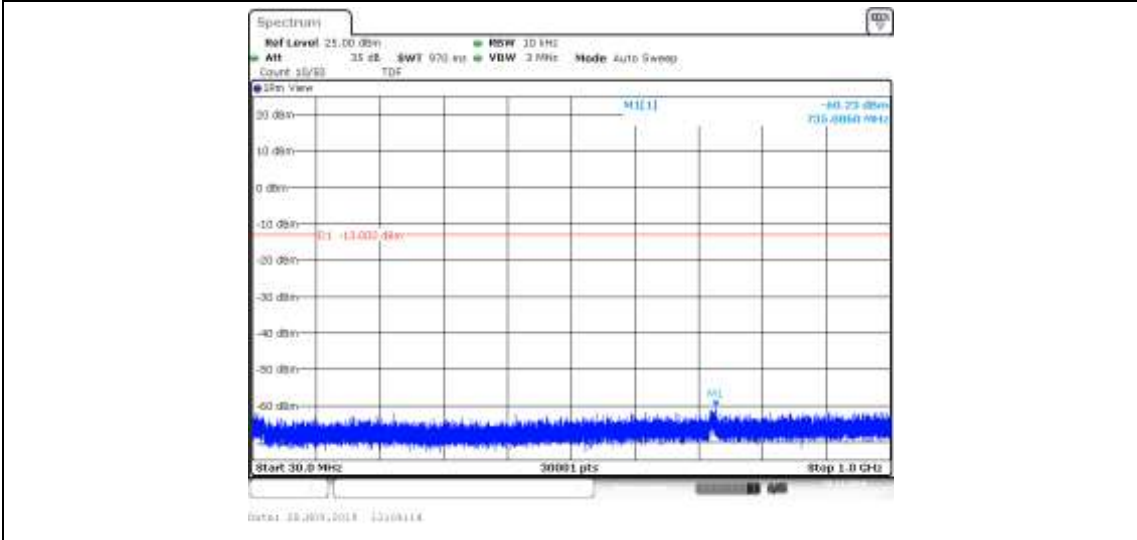


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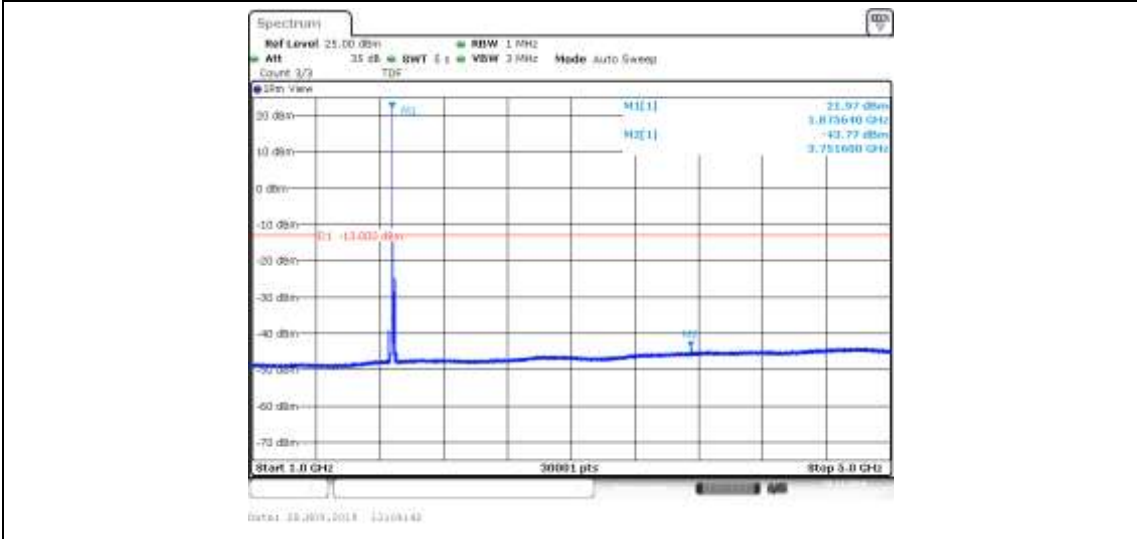


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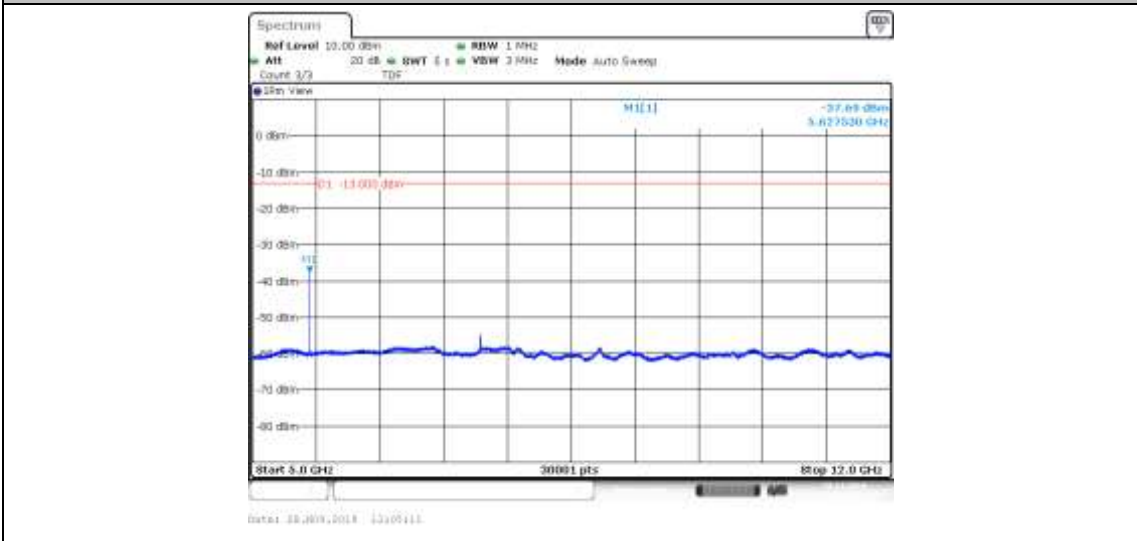
CTC Laboratories, Inc.  
2/F, Building 1 and 1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



Band25\_15MHz\_16QAM\_26365\_1RB#0

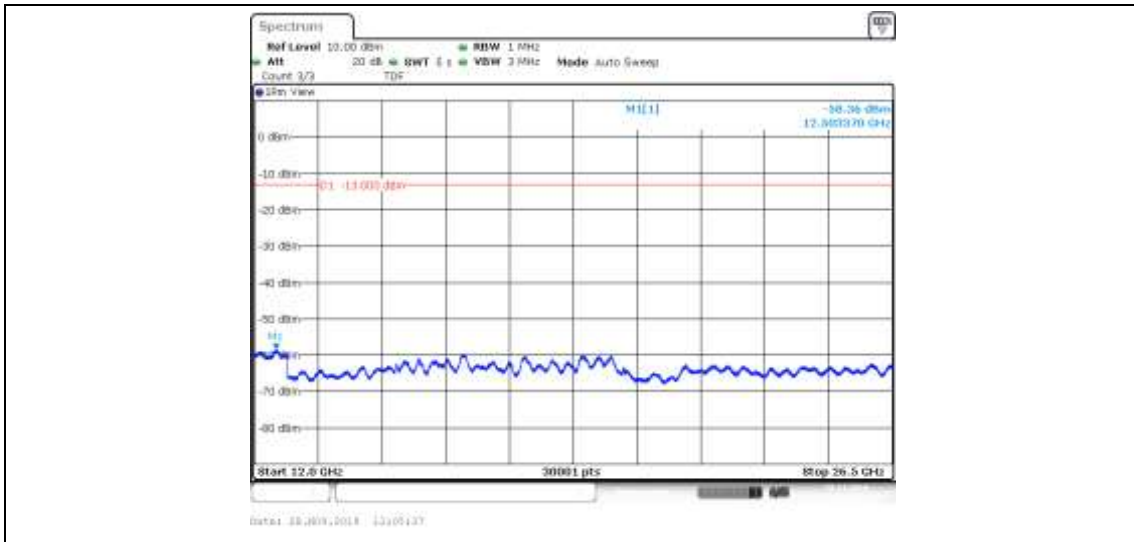


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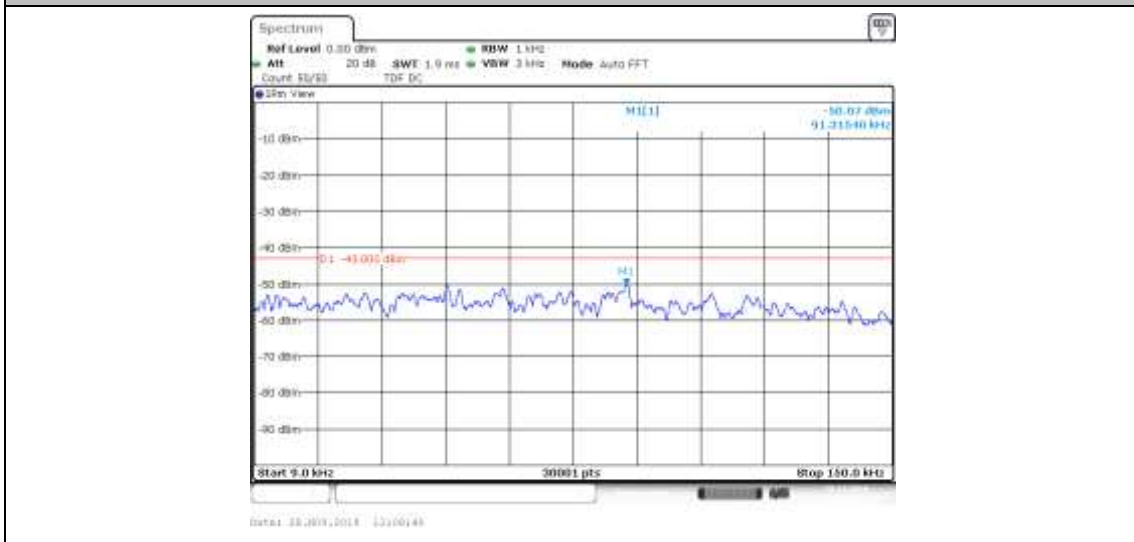


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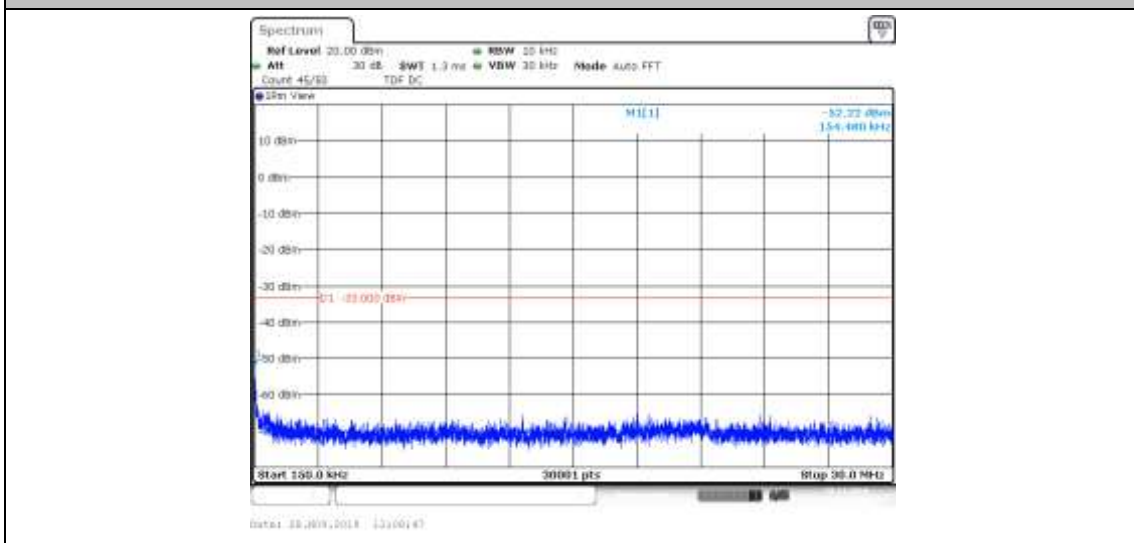




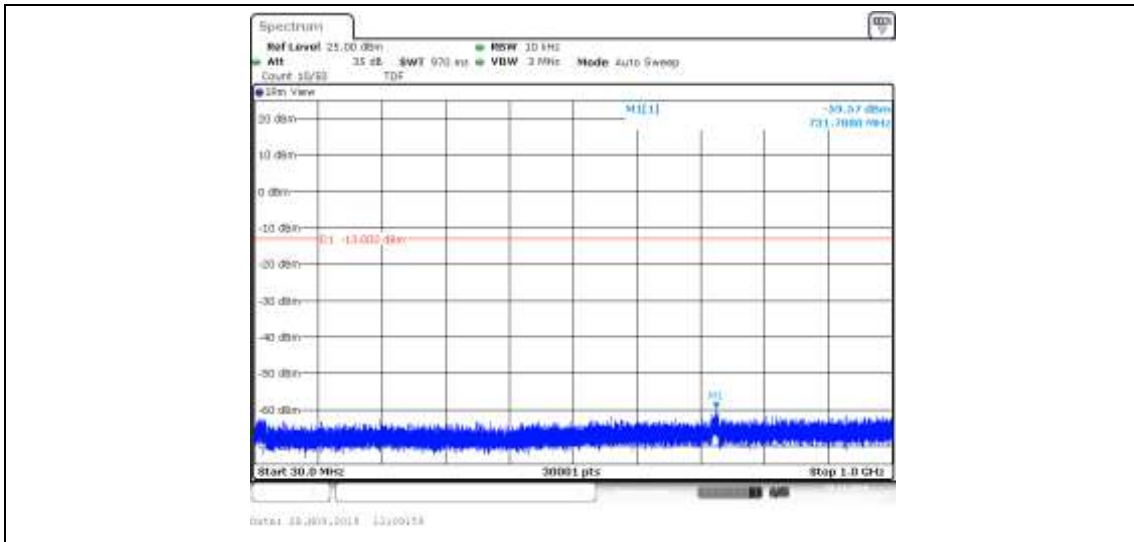
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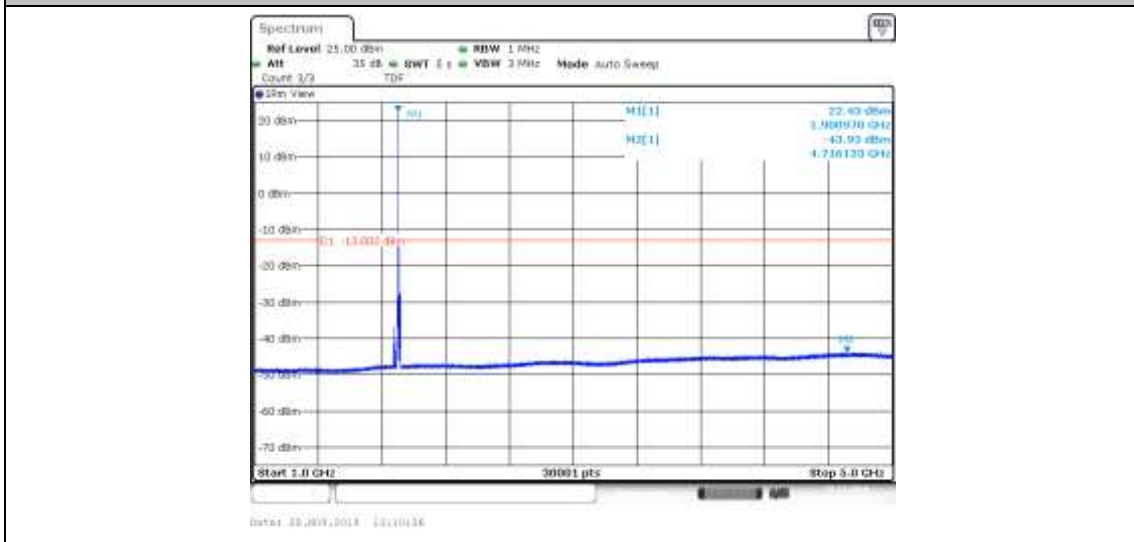
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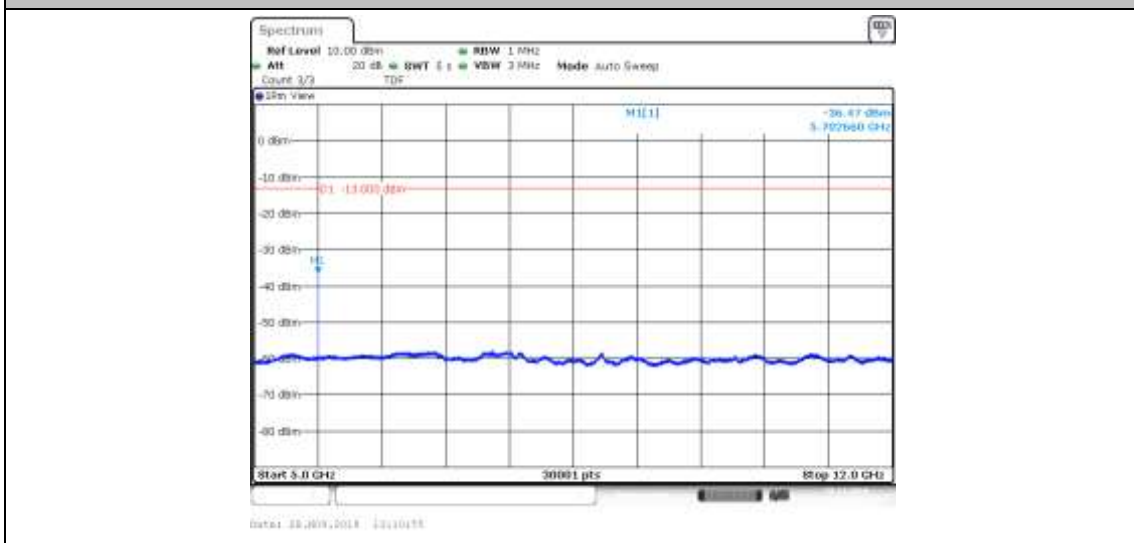
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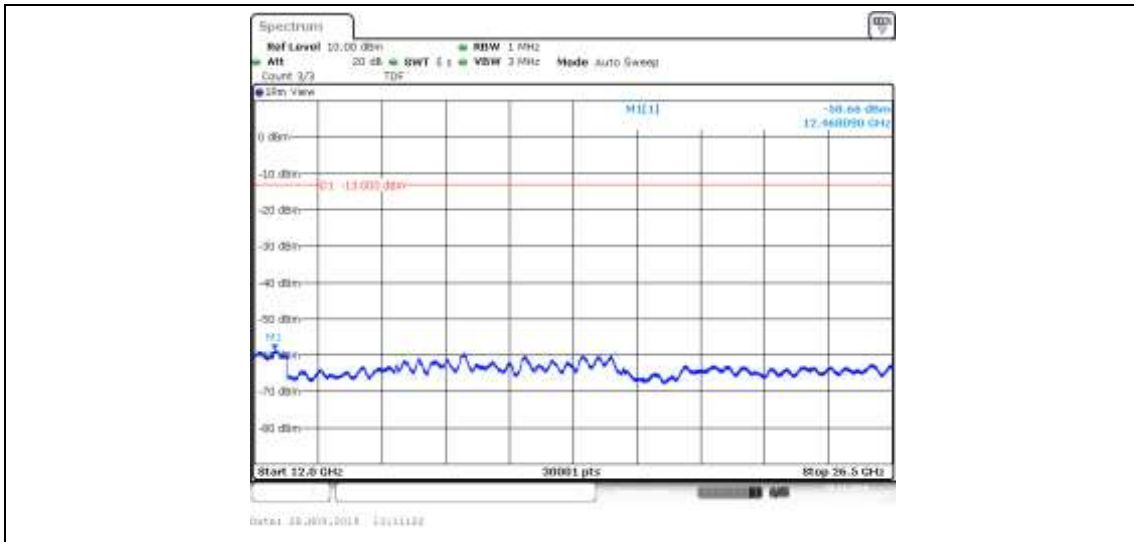
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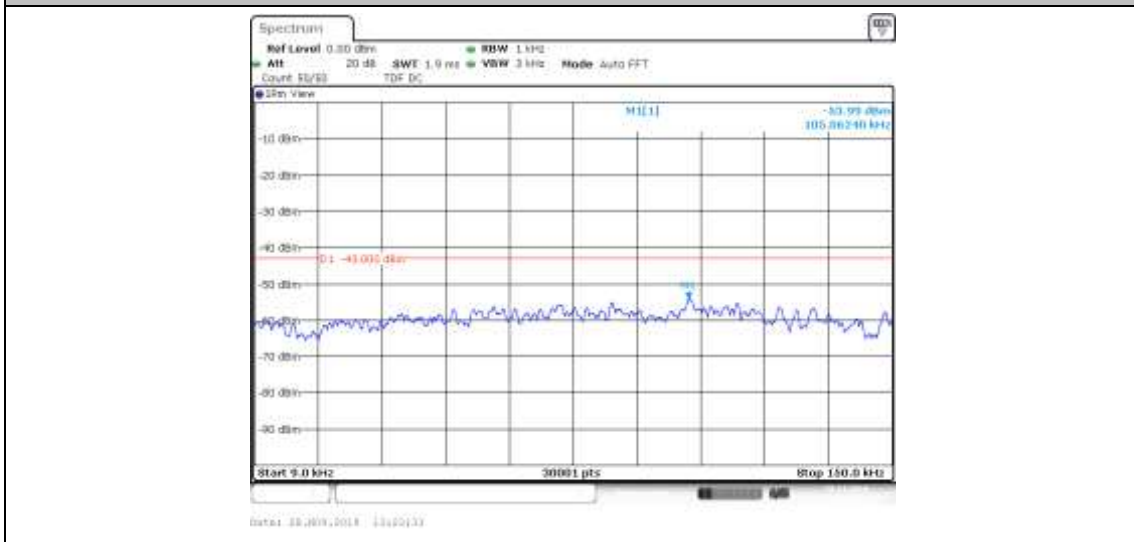
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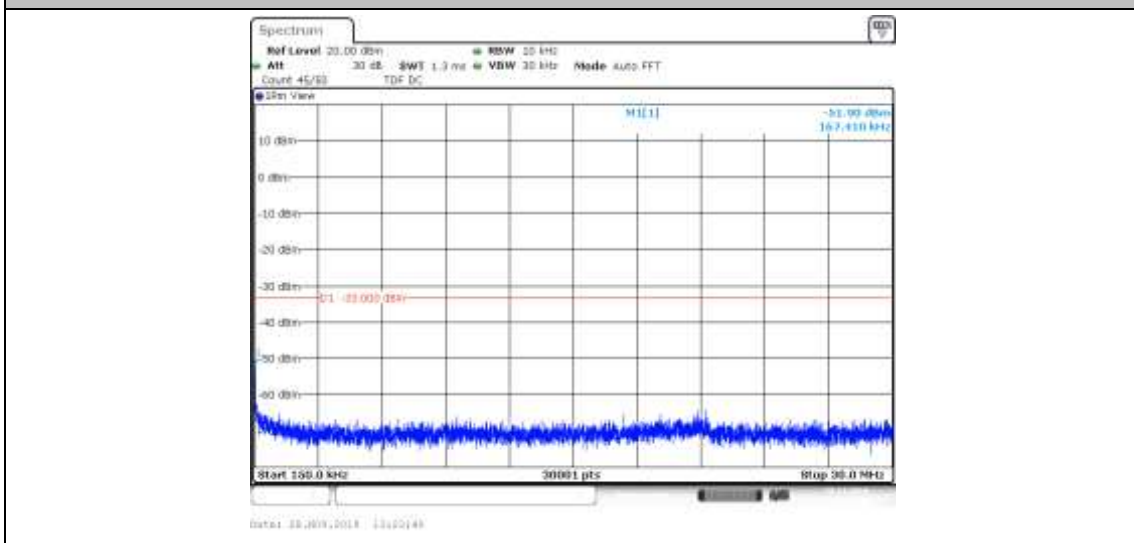
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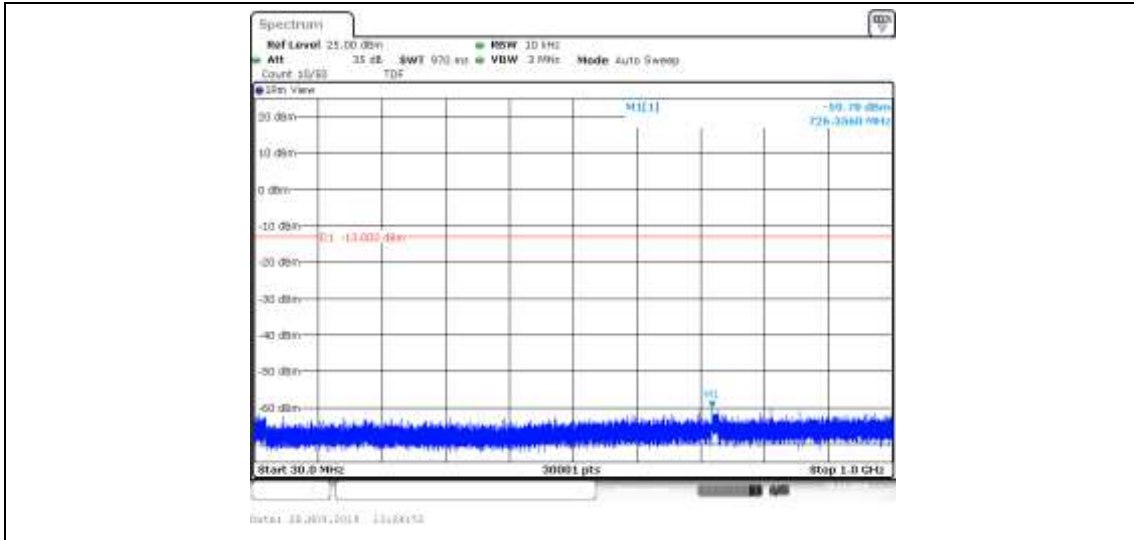
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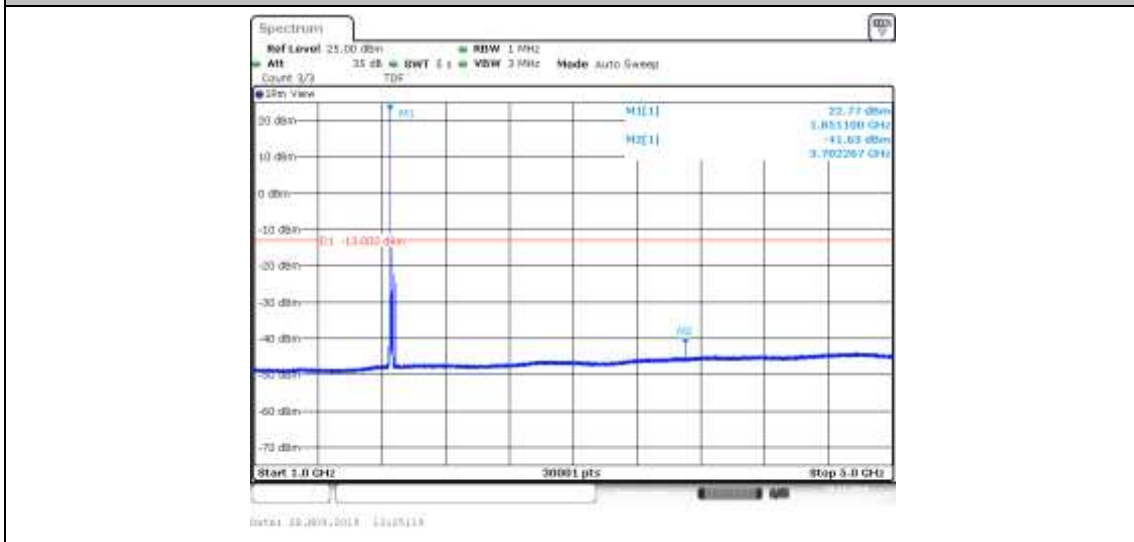
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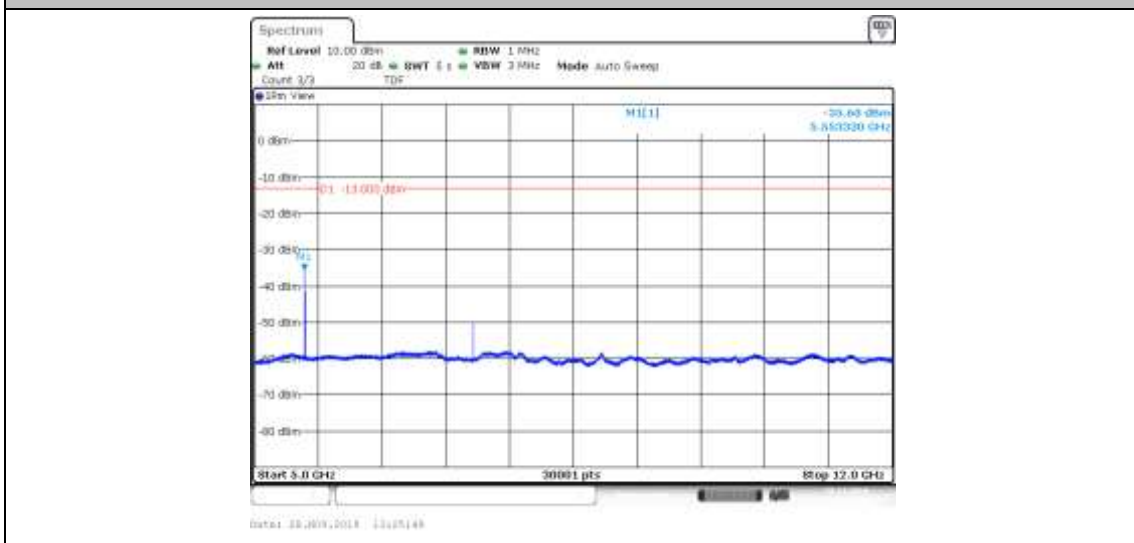
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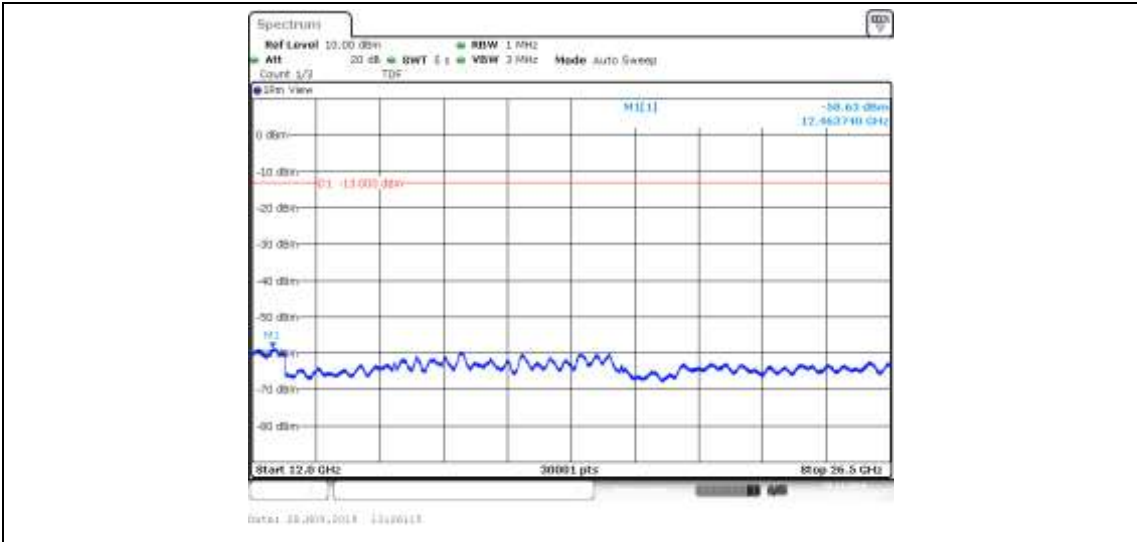
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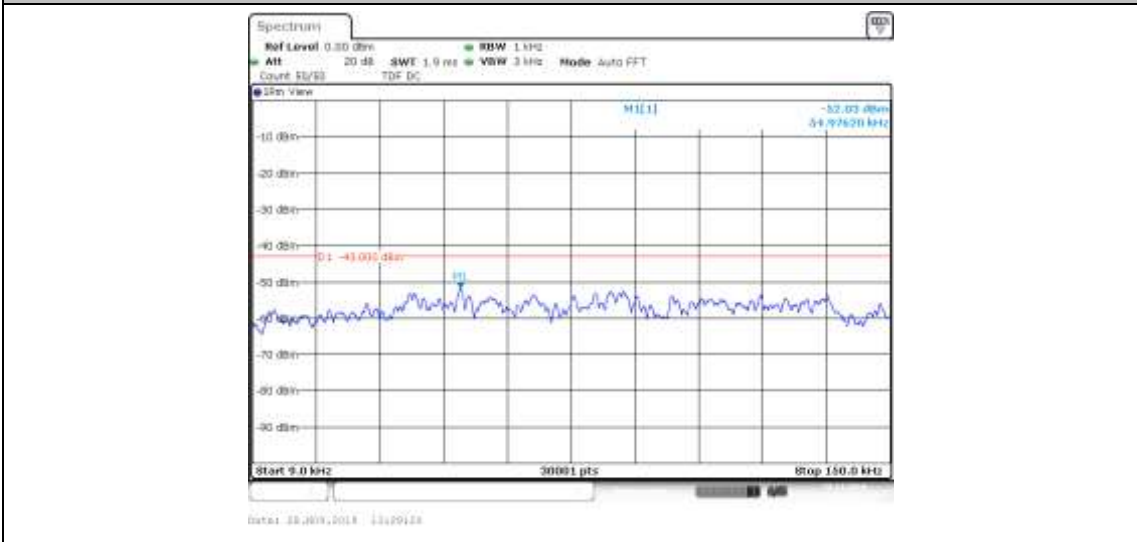
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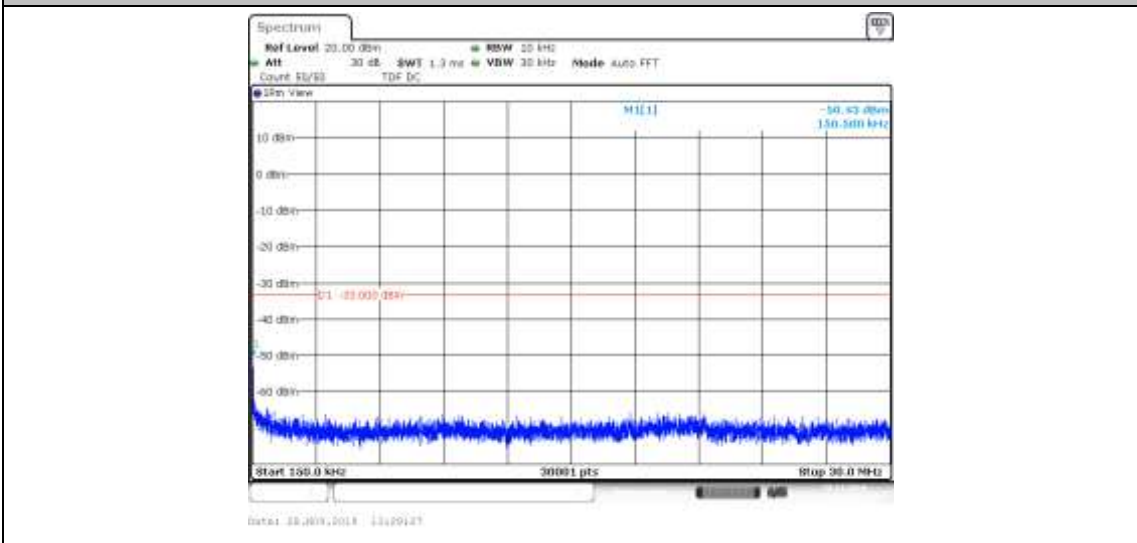
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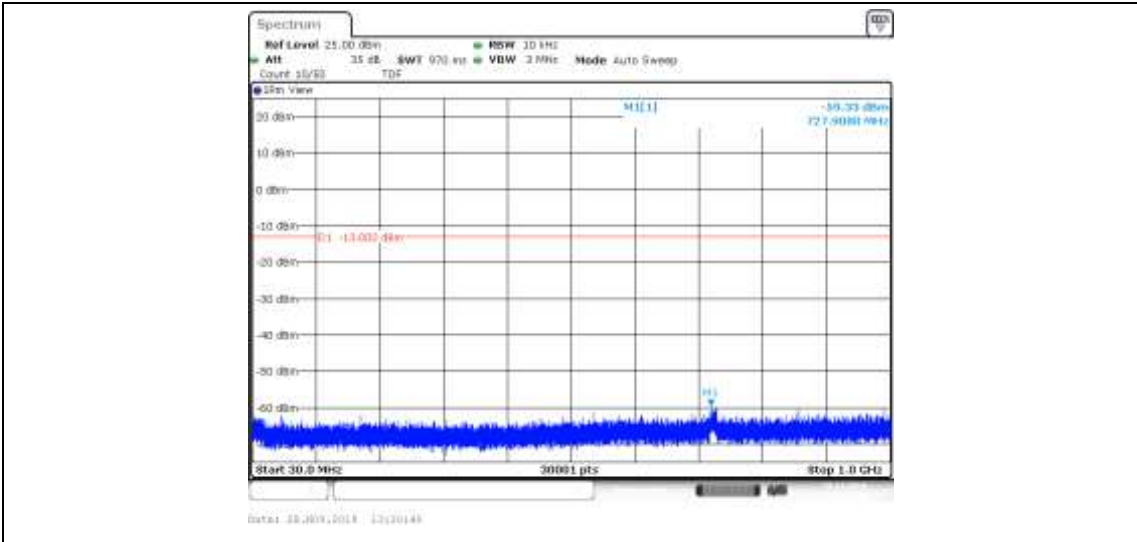
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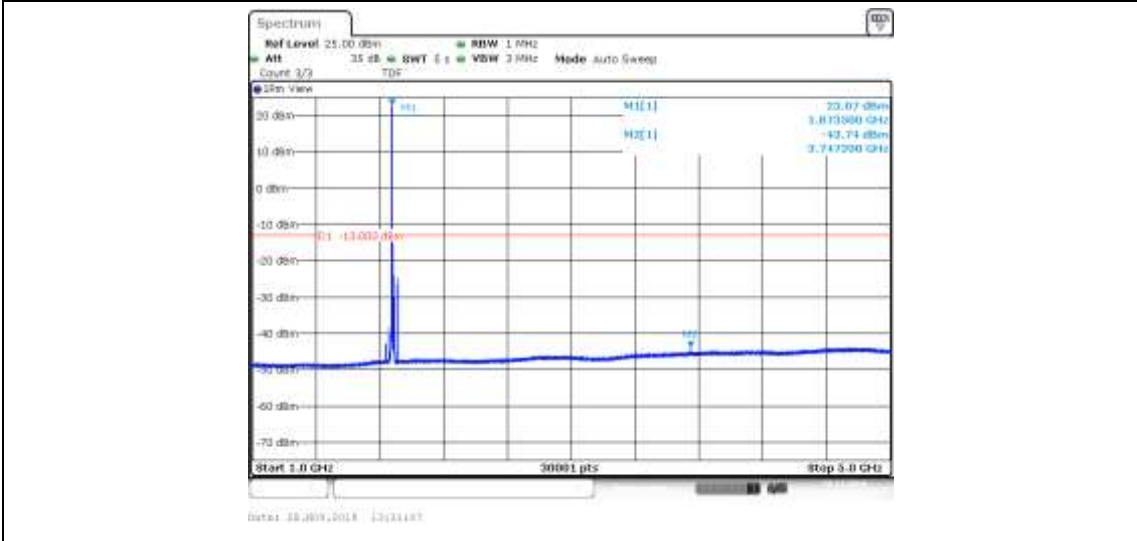
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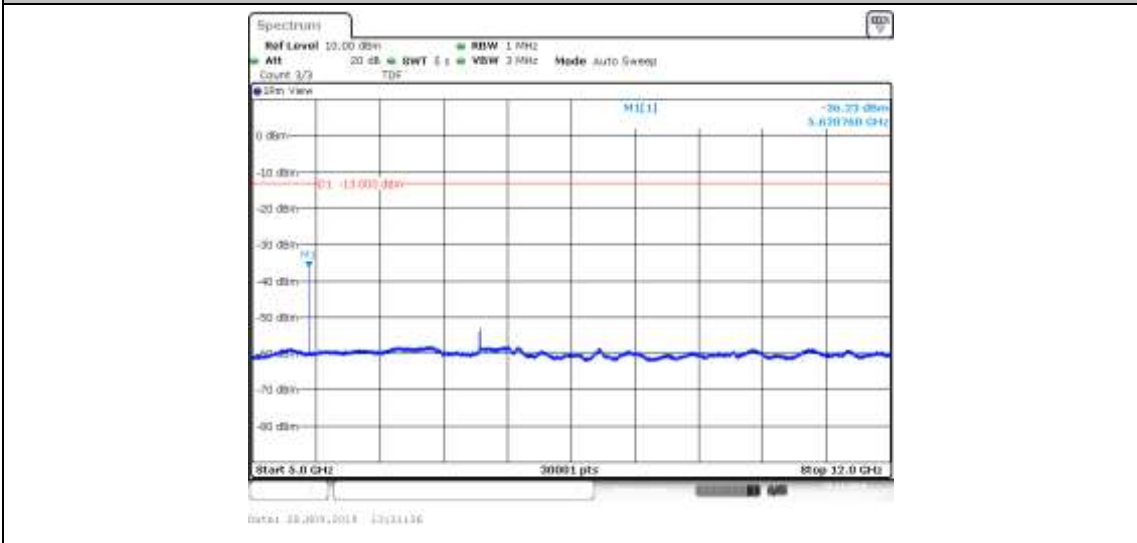
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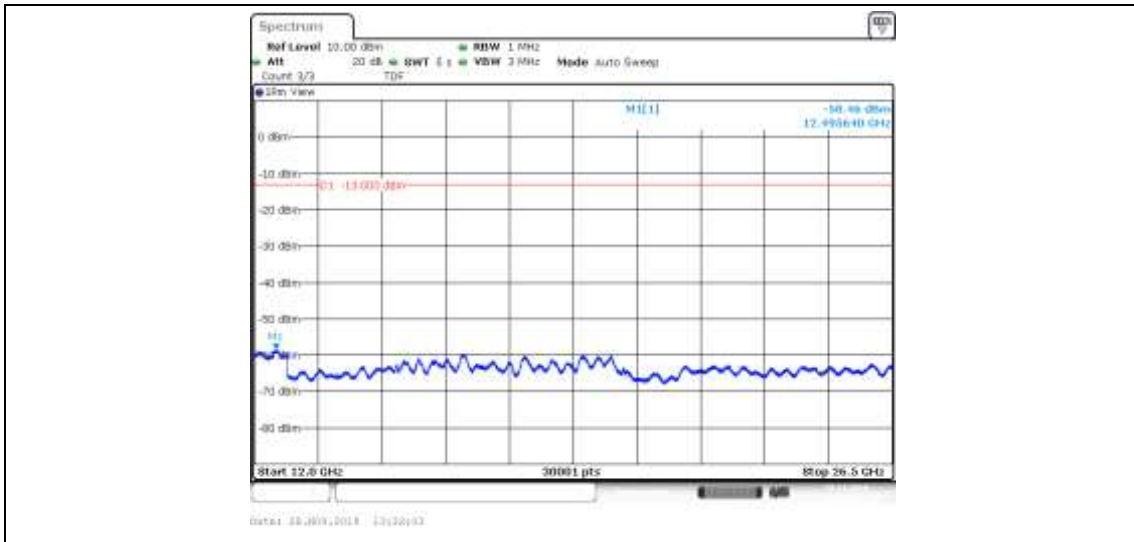


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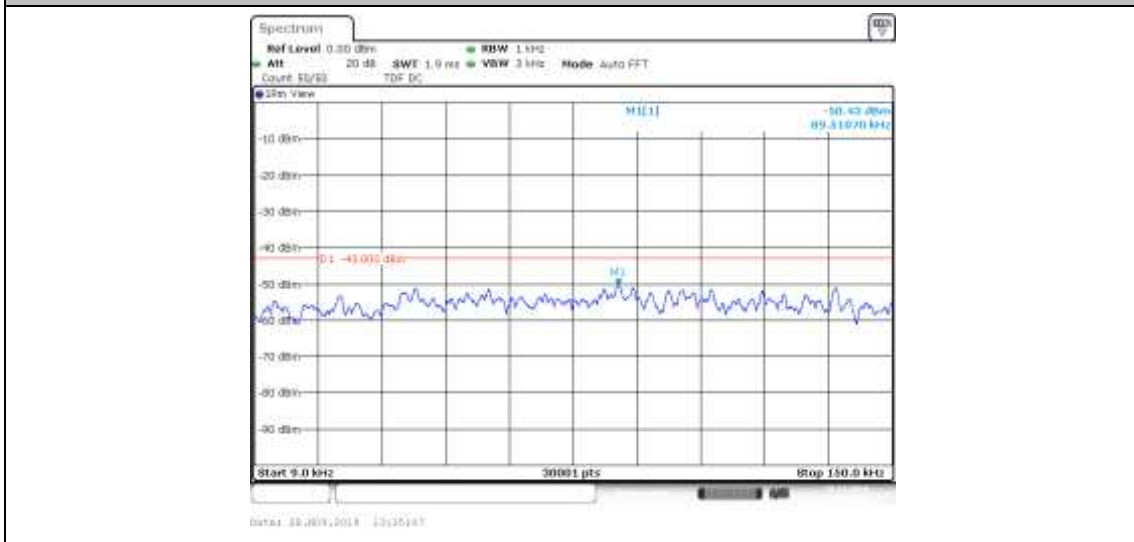


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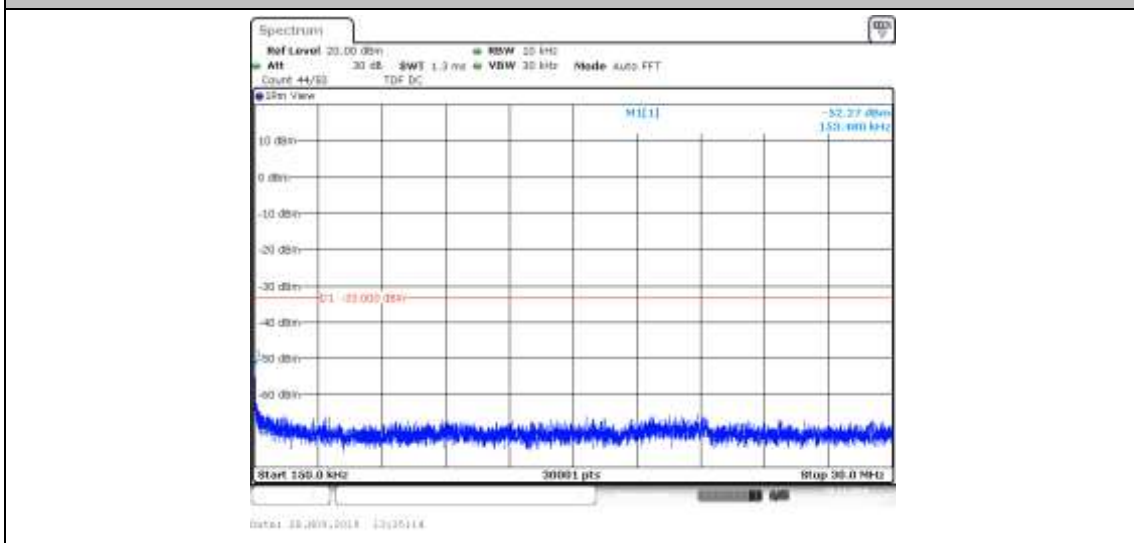




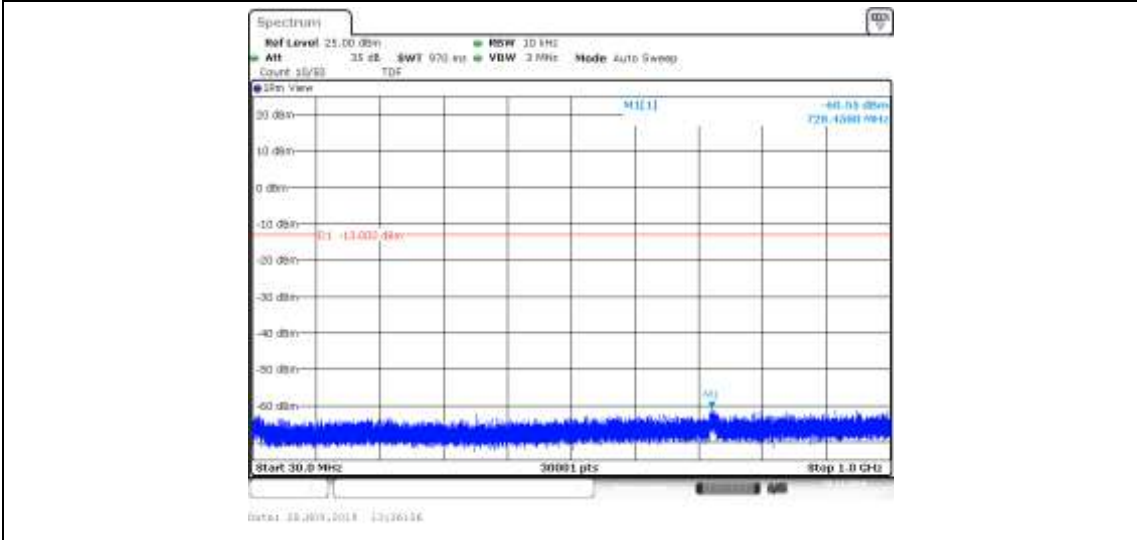
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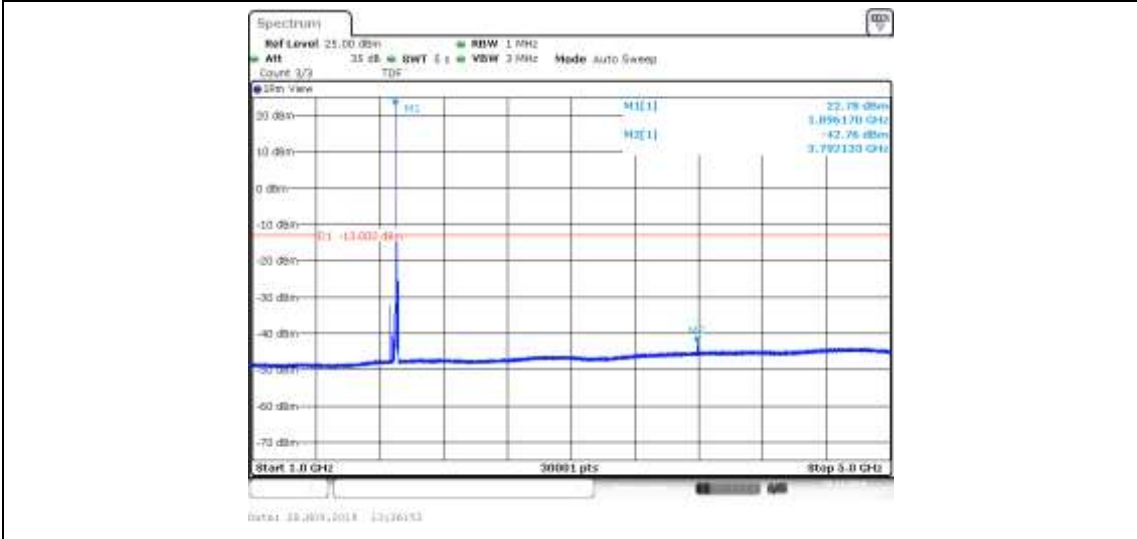
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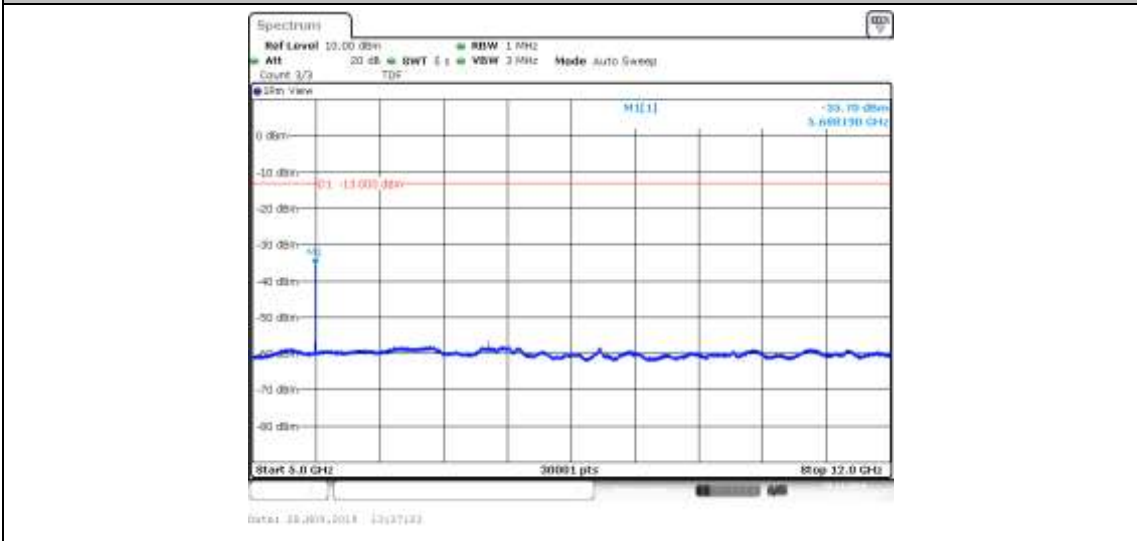
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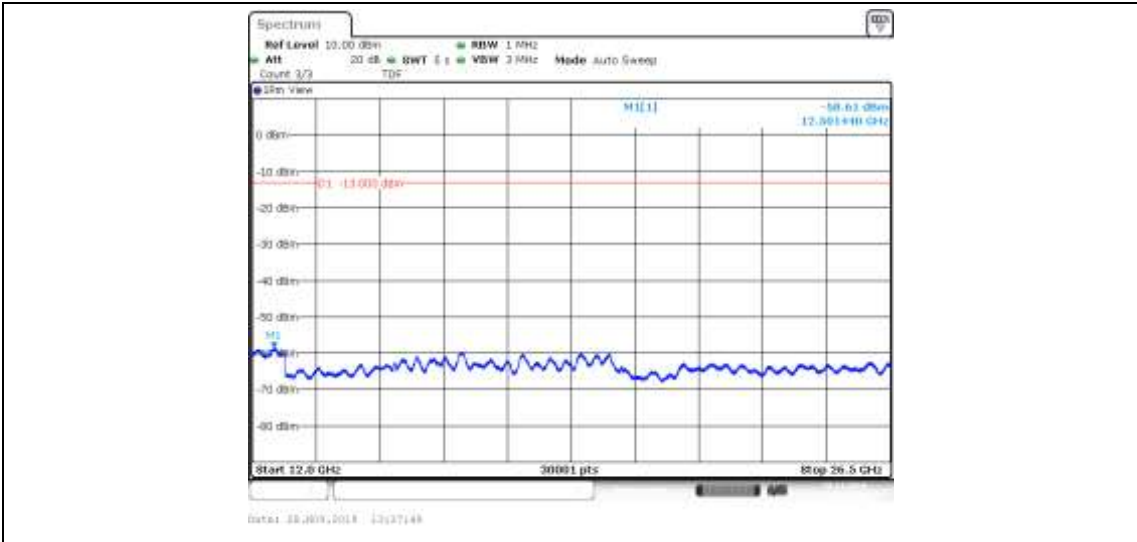
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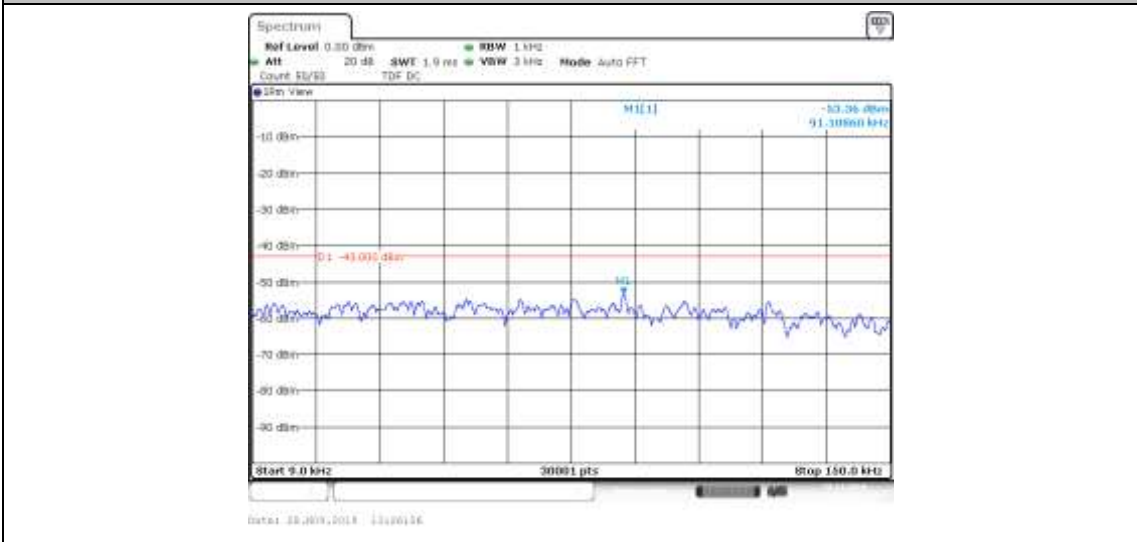
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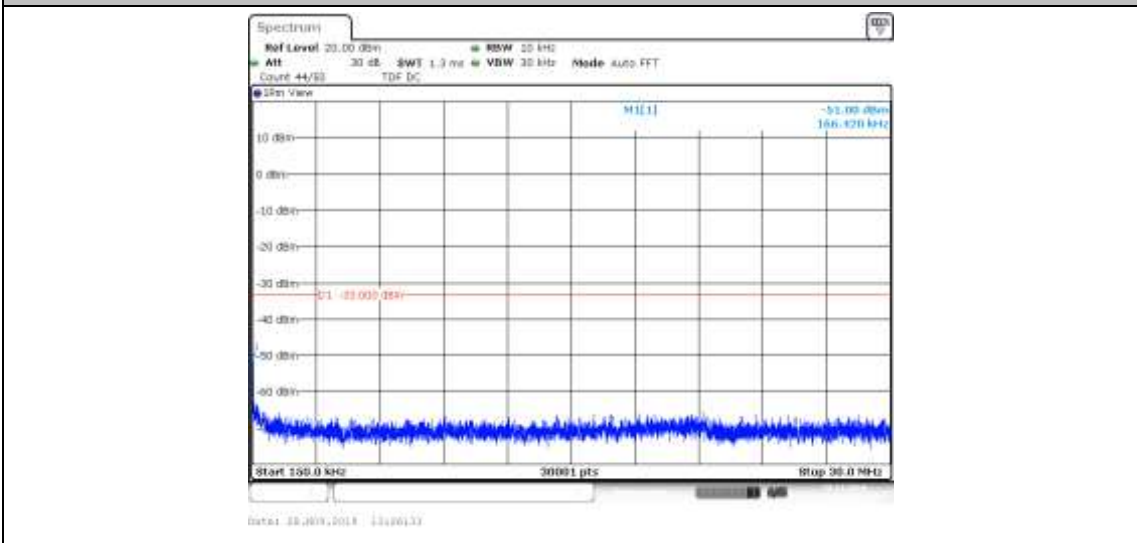
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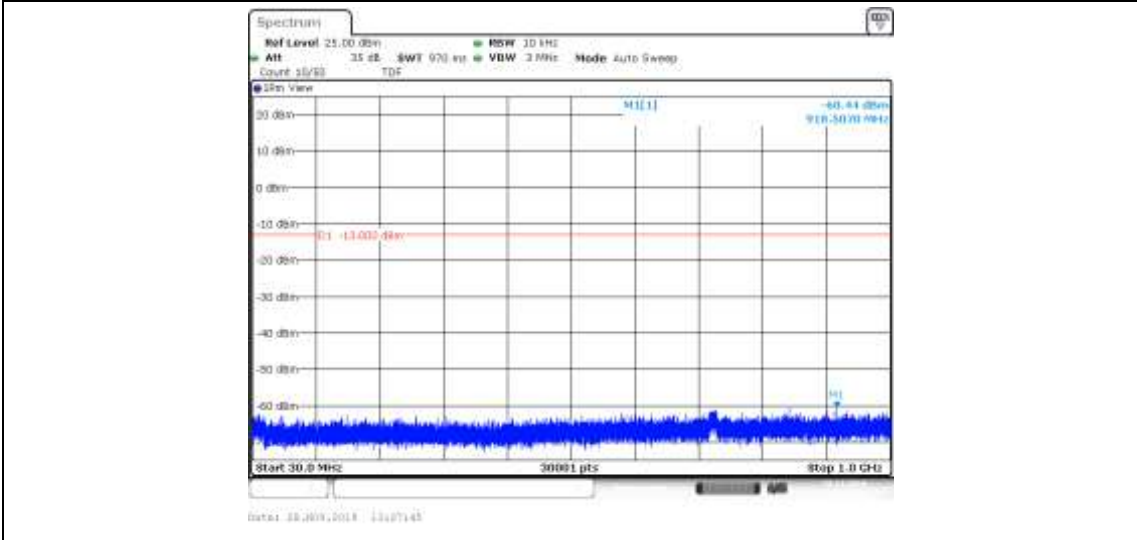
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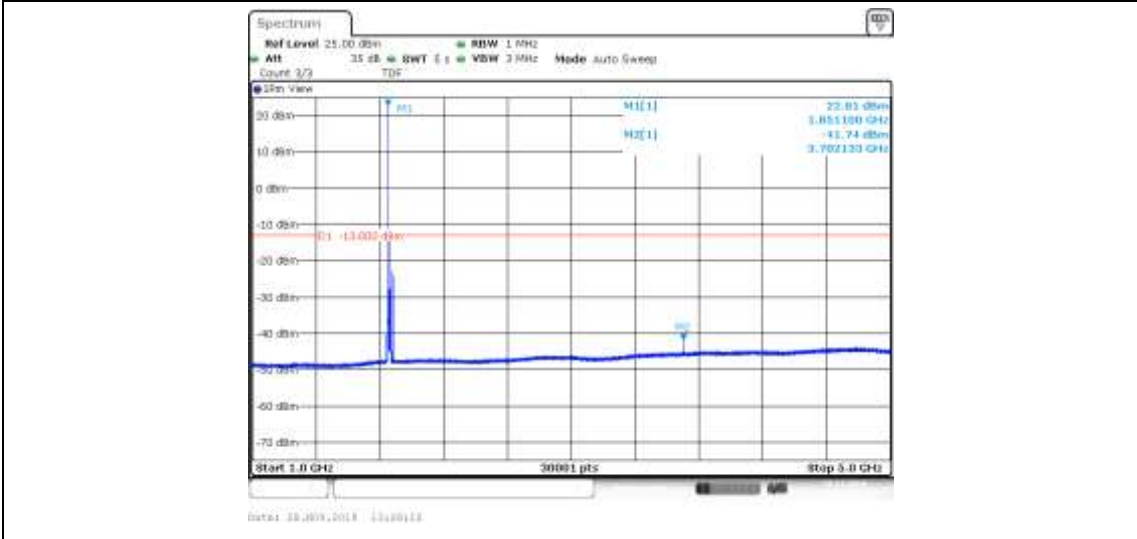
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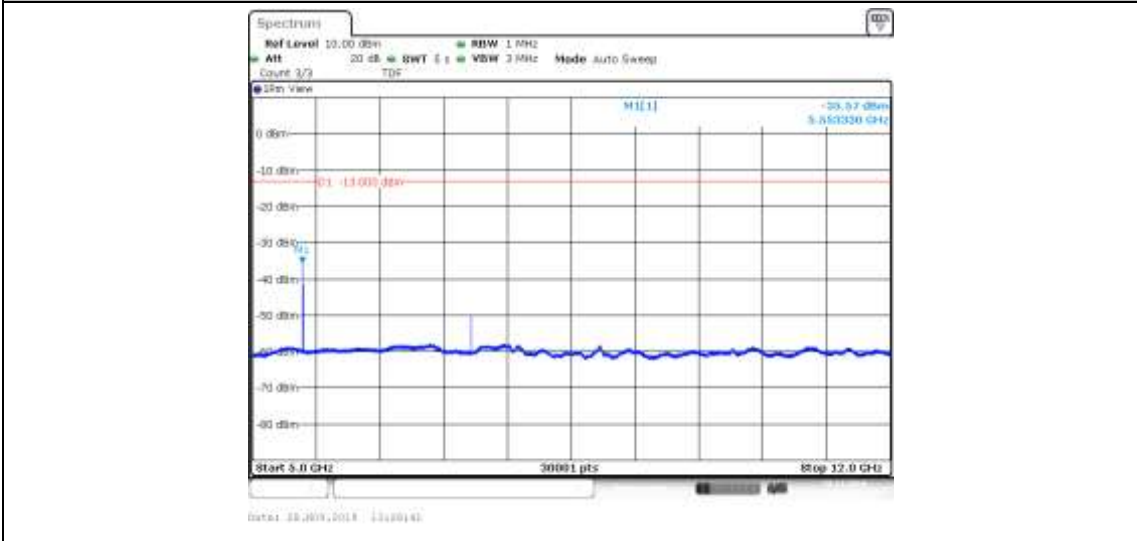
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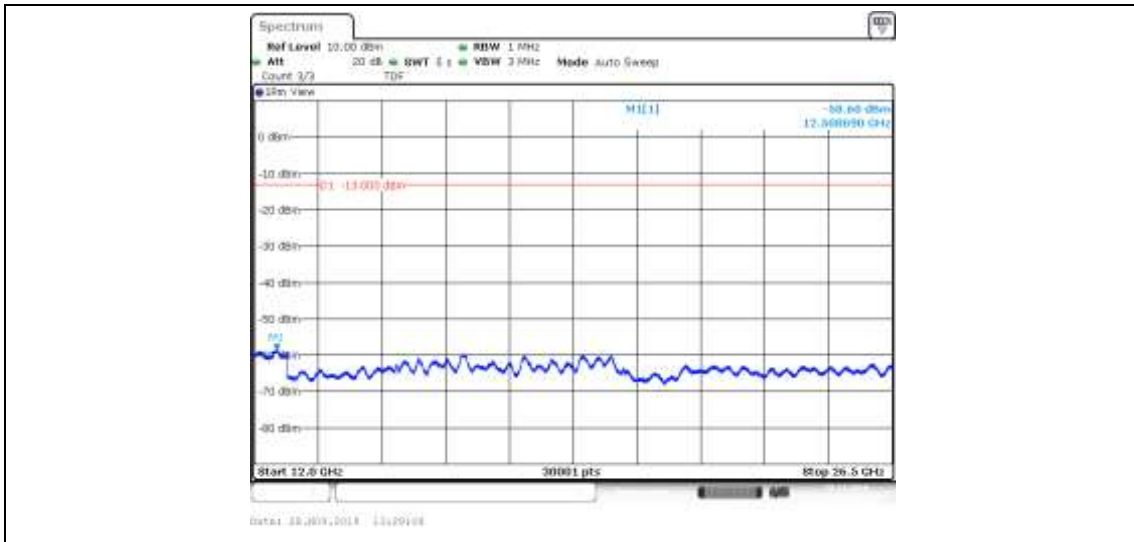
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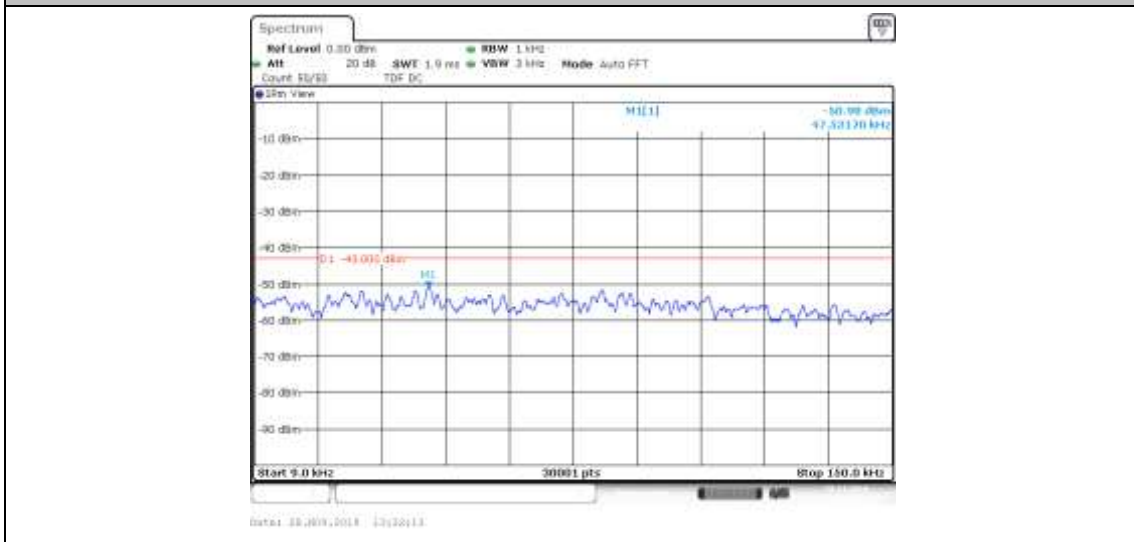
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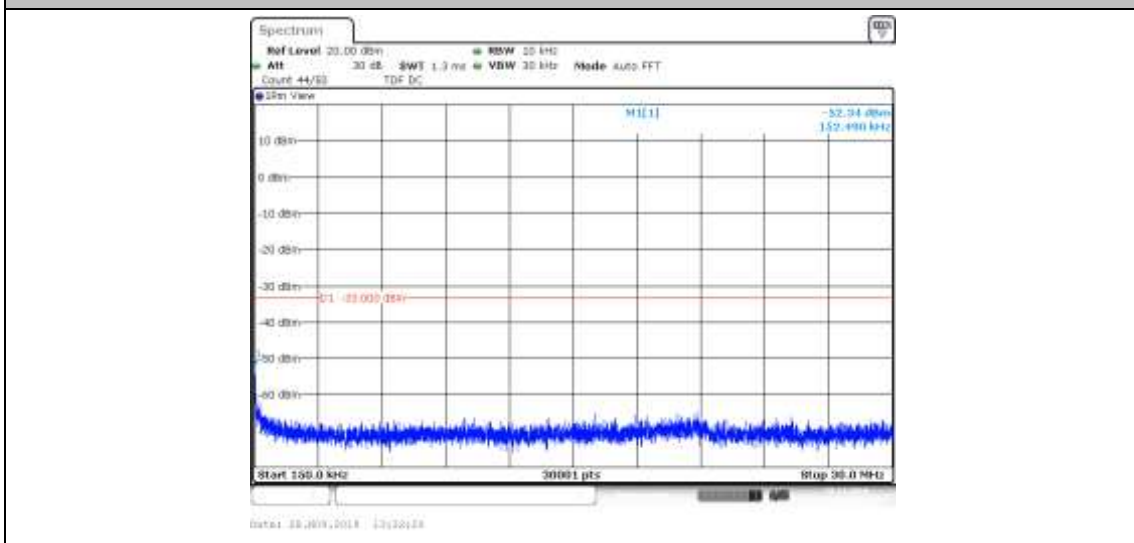
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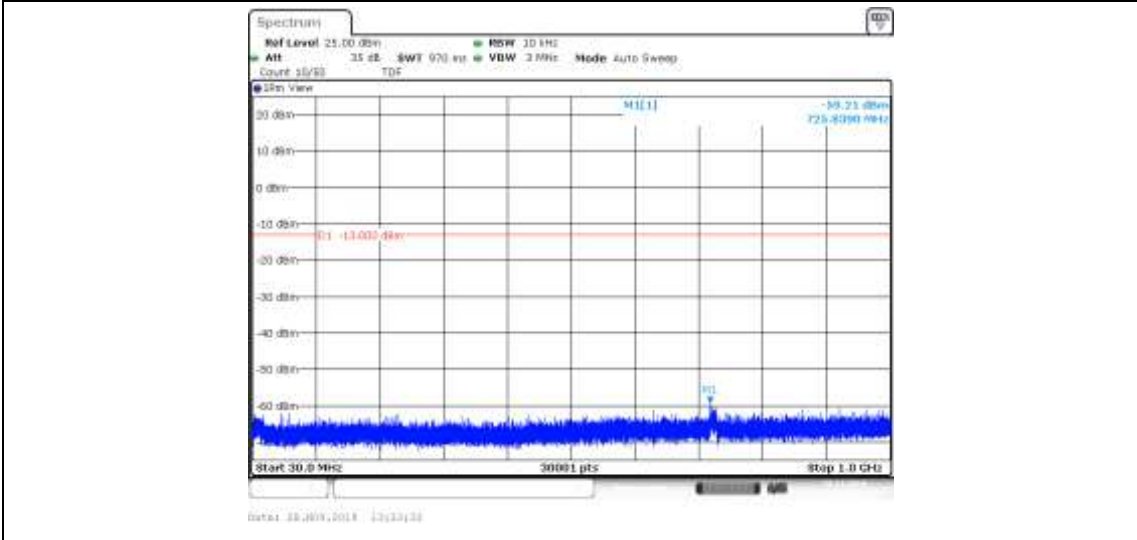
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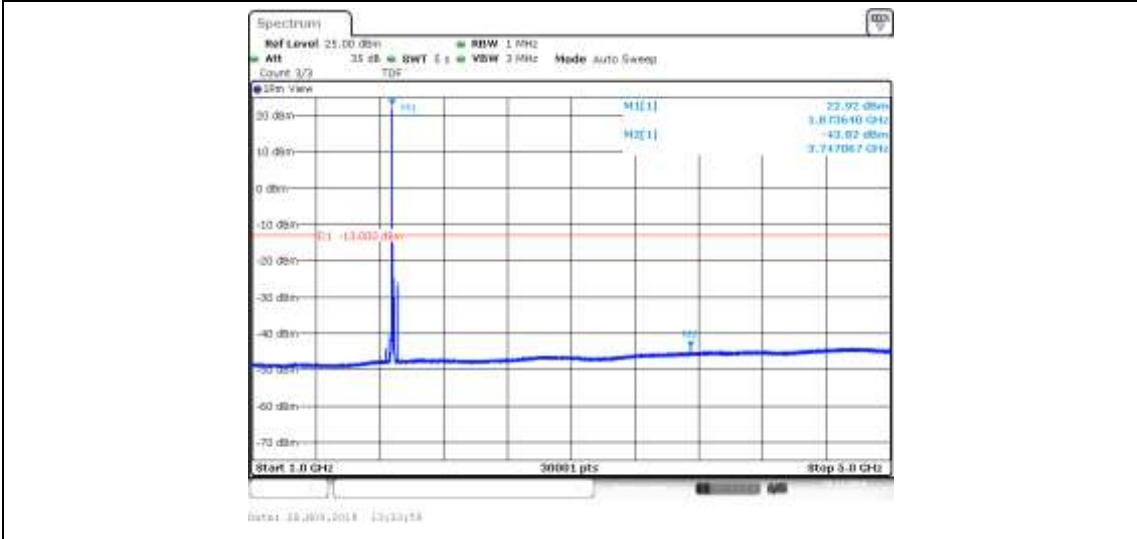
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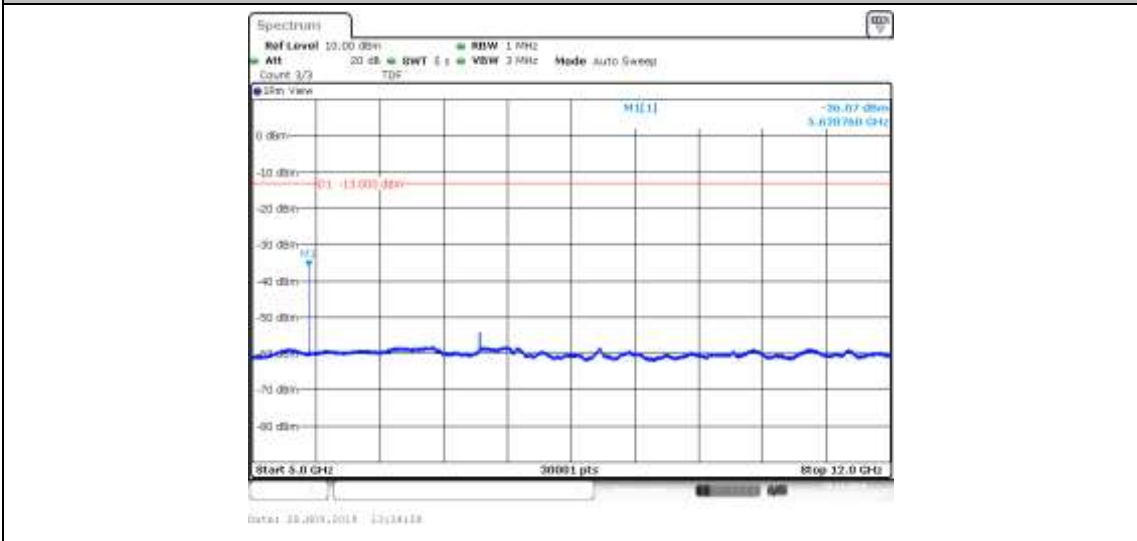
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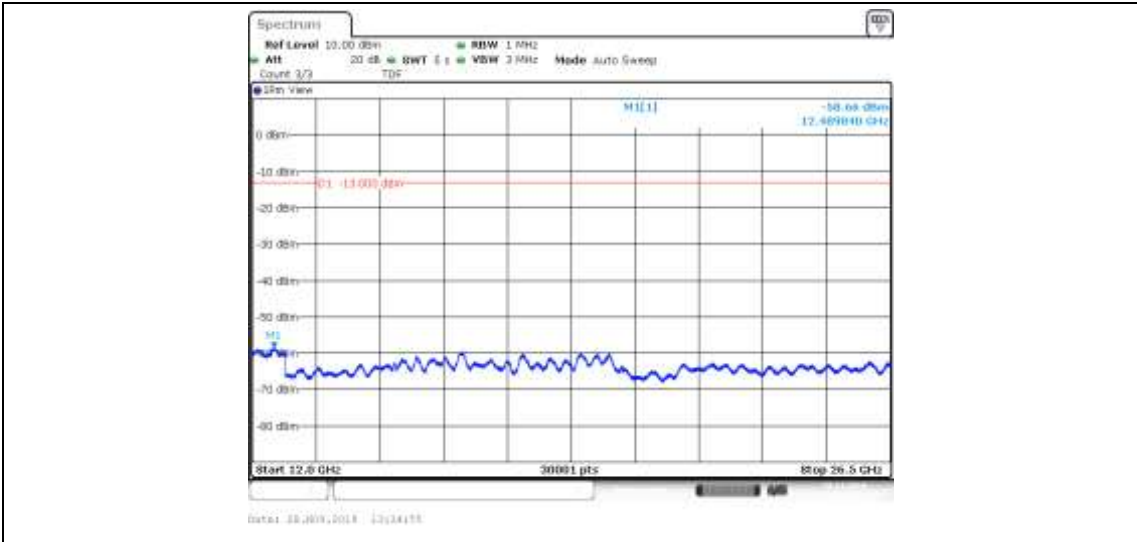


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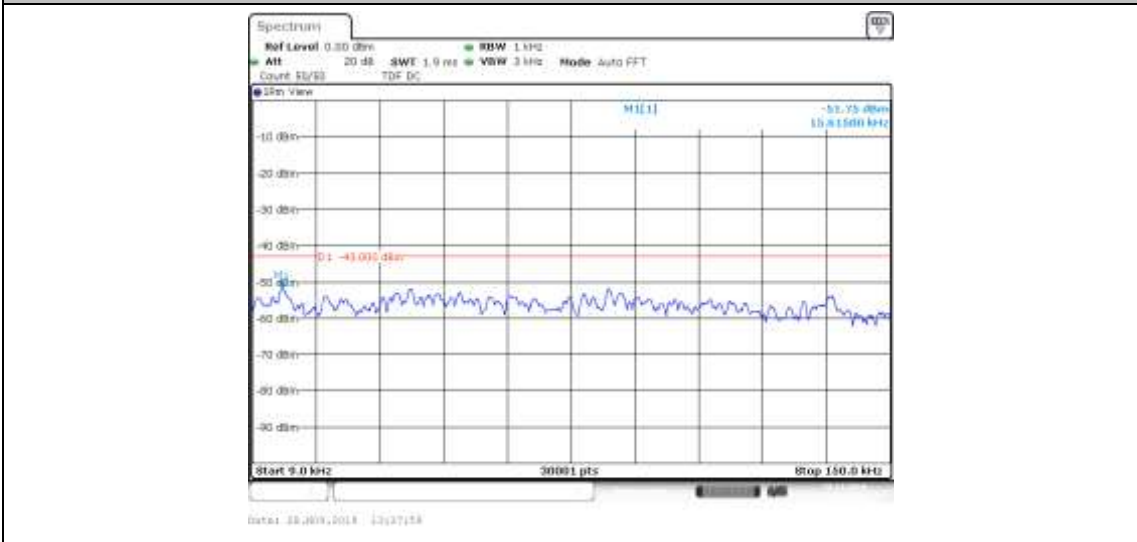


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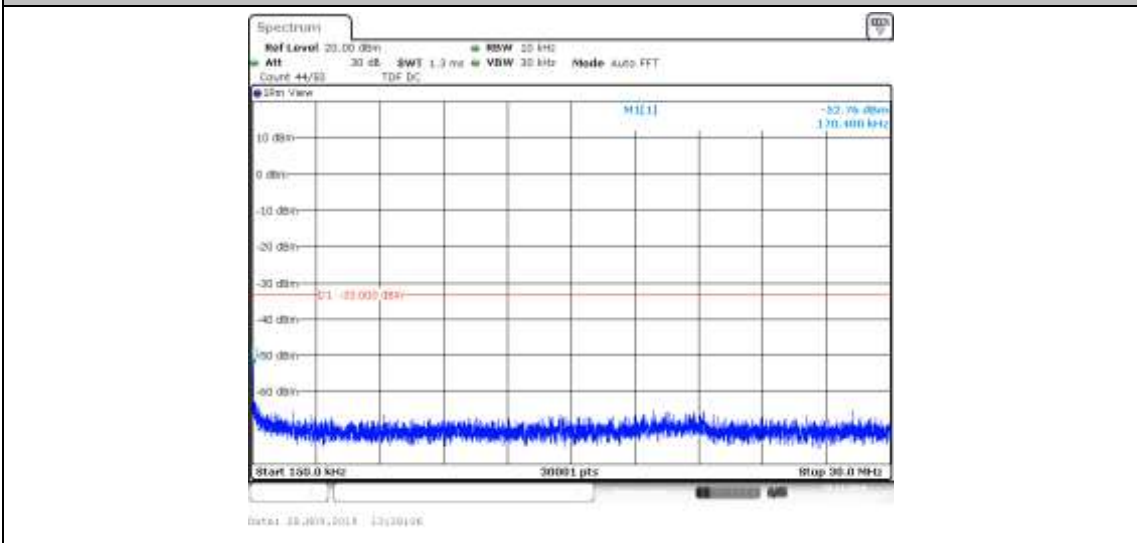




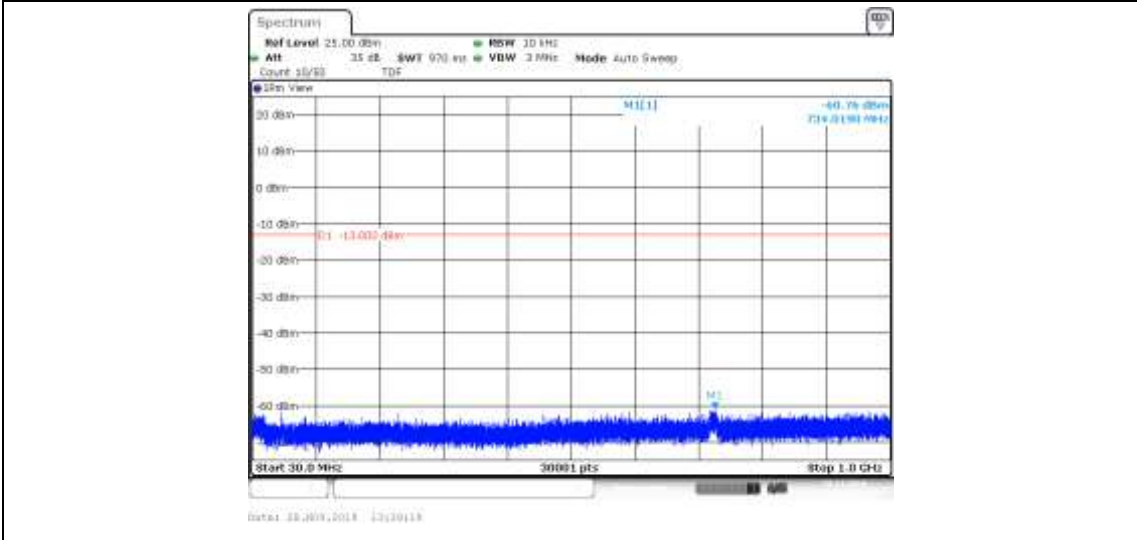
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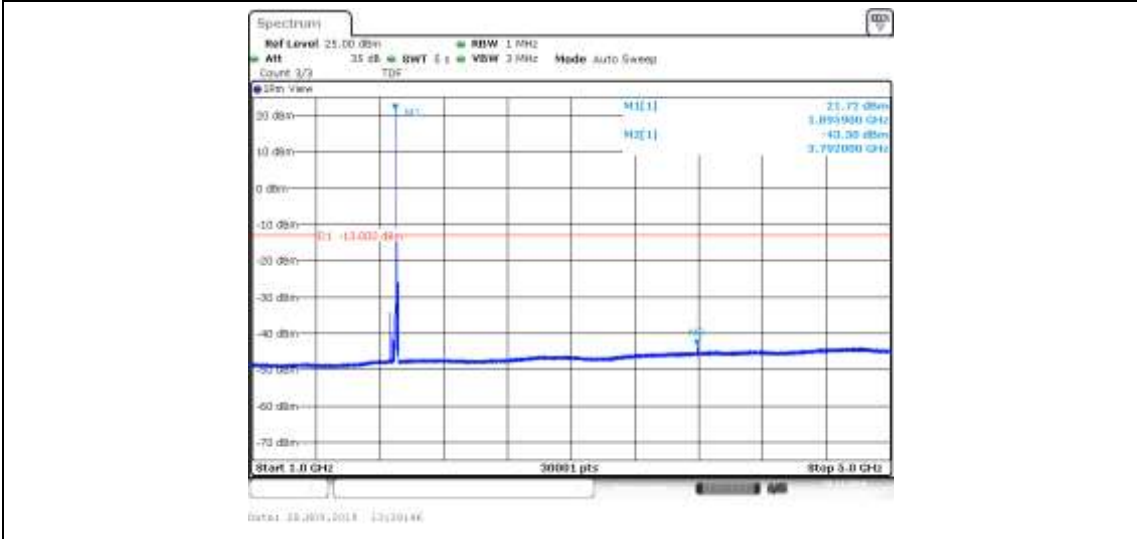
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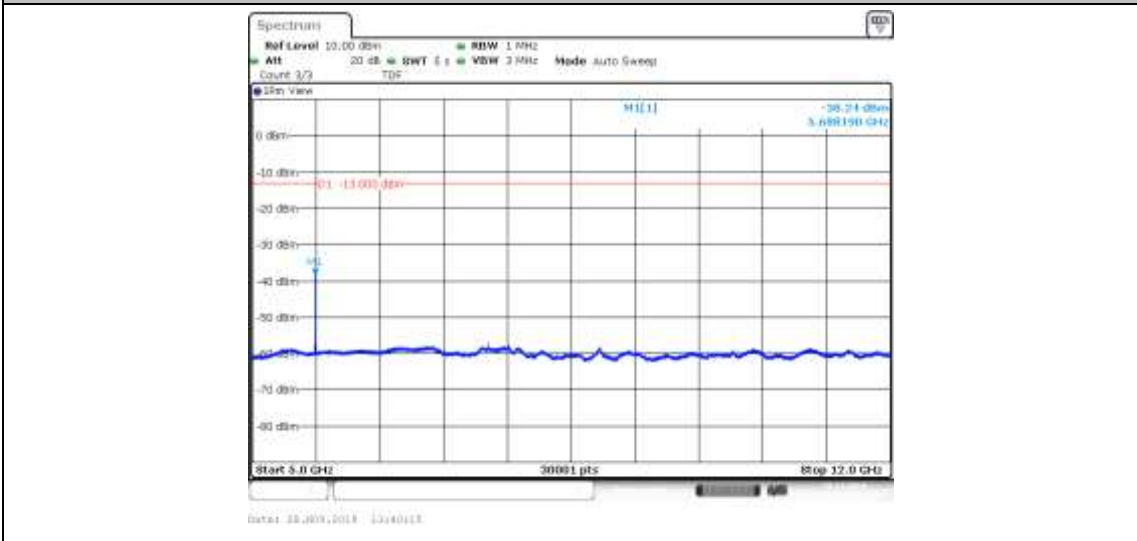
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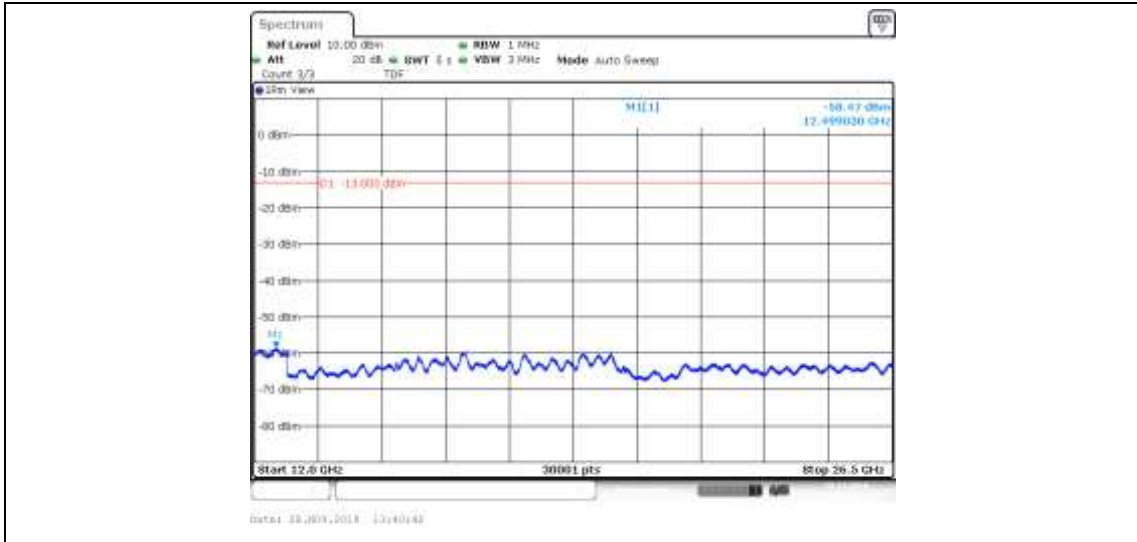
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Band25\_20MHz\_16QAM\_26590\_1RB#0



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## Appendix F: Frequency Stability

### Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	1.4MHz	QPSK	26365	6RB#0	VL	NT	-7.10	-0.003772	±2.5	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	VN	NT	-14.93	-0.007931	±2.5	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	VH	NT	7.48	0.003973	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	VL	NT	5.15	0.002736	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	VN	NT	-6.05	-0.003214	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	VH	NT	5.18	0.002752	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	VL	NT	-6.34	-0.003422	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	VN	NT	-18.17	-0.009808	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	VH	NT	-11.13	-0.006008	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	VL	NT	4.19	0.002226	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	VN	NT	7.38	0.003920	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	VH	NT	9.74	0.005174	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	VL	NT	-12.12	-0.006337	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	VN	NT	-8.34	-0.004361	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	VH	NT	-7.75	-0.004052	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	VL	NT	-6.14	-0.003314	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	VN	NT	-9.06	-0.004891	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	VH	NT	6.04	0.003260	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	VL	NT	-6.32	-0.003357	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	VN	NT	-7.80	-0.004143	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	VH	NT	-5.06	-0.002688	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	VL	NT	-8.11	-0.004241	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	VN	NT	-14.65	-0.007660	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	VH	NT	-10.47	-0.005475	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	VL	NT	-9.97	-0.005296	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	VN	NT	12.70	0.006746	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	VH	NT	14.92	0.007926	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	VL	NT	4.94	0.002624	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	VN	NT	-10.86	-0.005769	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	VH	NT	14.63	0.007772	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	8.60	0.004568	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	14.85	0.007888	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	3.88	0.002061	±2.5	PASS

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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	1.4MHz	QPSK	26365	6RB#0	NV	-30	-8.94	-0.004749	±2.5	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	NV	-20	5.45	0.002895	±2.5	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	NV	0	14.18	0.007533	±2.5	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	NV	10	4.08	0.002167	±2.5	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	NV	20	-10.47	-0.005562	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	NV	-30	5.89	0.003129	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	NV	-20	-7.68	-0.004080	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	NV	0	-7.65	-0.004064	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	NV	10	4.28	0.002274	±2.5	PASS
Band25	3MHz	QPSK	26365	15RB#0	NV	20	7.50	0.003984	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	NV	-30	-5.18	-0.002796	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	NV	-20	-10.24	-0.005528	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	NV	0	-6.75	-0.003644	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	NV	10	-5.56	-0.003001	±2.5	PASS
Band25	5MHz	QPSK	26065	25RB#0	NV	20	-7.97	-0.004302	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	NV	-30	7.14	0.003793	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	NV	-20	7.25	0.003851	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	NV	0	5.58	0.002964	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	NV	10	4.91	0.002608	±2.5	PASS
Band25	5MHz	QPSK	26365	25RB#0	NV	20	-8.74	-0.004643	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	NV	-30	-15.65	-0.008183	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	NV	-20	-10.86	-0.005678	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	NV	0	-6.77	-0.003540	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	NV	10	-6.94	-0.003629	±2.5	PASS
Band25	5MHz	QPSK	26665	25RB#0	NV	20	-12.87	-0.006729	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	NV	-30	-10.31	-0.005565	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	NV	-20	-5.14	-0.002775	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	NV	0	-4.81	-0.002596	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	NV	10	-9.78	-0.005279	±2.5	PASS
Band25	5MHz	16QAM	26065	25RB#0	NV	20	-7.00	-0.003779	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	NV	-30	-6.97	-0.003703	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	NV	-20	6.32	0.003357	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	NV	0	4.76	0.002529	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	NV	10	10.10	0.005365	±2.5	PASS
Band25	5MHz	16QAM	26365	25RB#0	NV	20	7.72	0.004101	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	NV	-30	8.30	0.004340	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	NV	-20	-7.00	-0.003660	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	NV	0	-8.21	-0.004293	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	NV	10	-11.94	-0.006243	±2.5	PASS
Band25	5MHz	16QAM	26665	25RB#0	NV	20	-15.91	-0.008319	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	-30	5.78	0.003070	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	-20	9.84	0.005227	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	0	4.78	0.002539	±2.5	PASS

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Band25	10MHz	QPSK	26365	50RB#0	NV	10	-11.06	-0.005875	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	20	11.84	0.006290	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	NV	-30	4.99	0.002651	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	NV	-20	12.25	0.006507	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	NV	0	14.48	0.007692	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	NV	10	11.84	0.006290	±2.5	PASS
Band25	15MHz	QPSK	26365	75RB#0	NV	20	-10.16	-0.005397	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-6.21	-0.003299	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-5.32	-0.002826	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-10.37	-0.005509	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	4.82	0.002560	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	5.04	0.002677	±2.5	PASS

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