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Appendix B

Test Data and Result Details of GZEM2011016736CR



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1 600MHz Service (663-698MHz paired with 617-652MHz)

1.1 AGC threshold level

Test Conf.	AGC Threshold level	
DL_1S_M_AWGN_AWGN	0.18dBm	
DL_1S_M_AWGN_GSM	0.13dBm	



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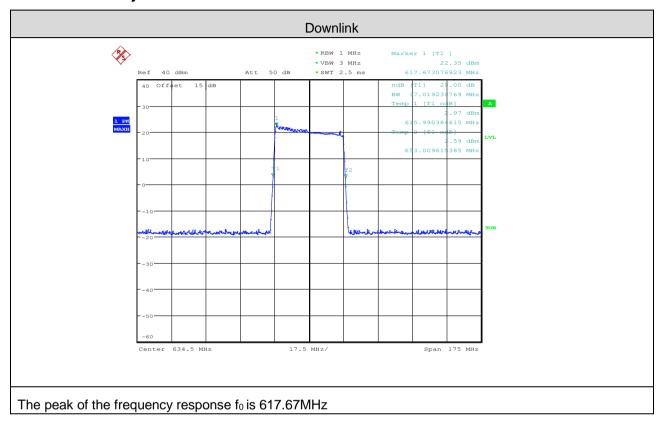
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1.2 Out-of-band rejection





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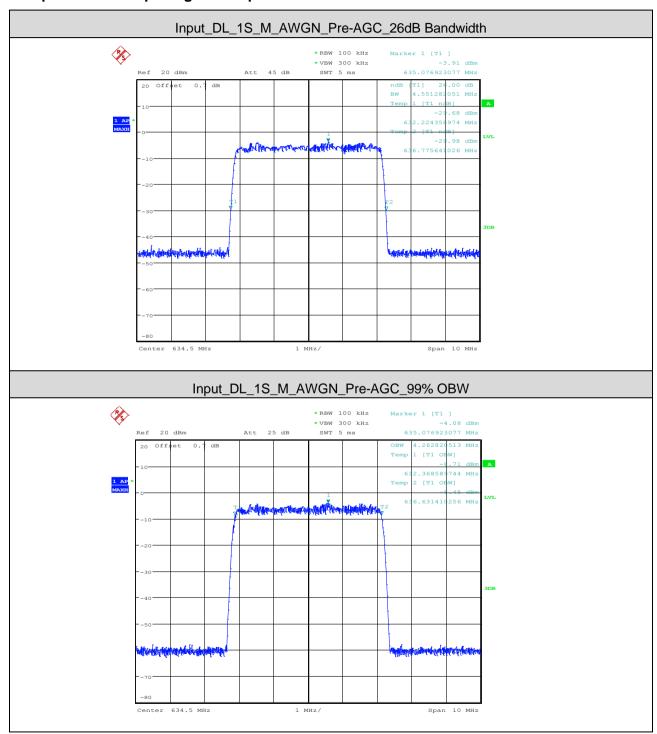
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1.3 Input-versus-output signal comparison





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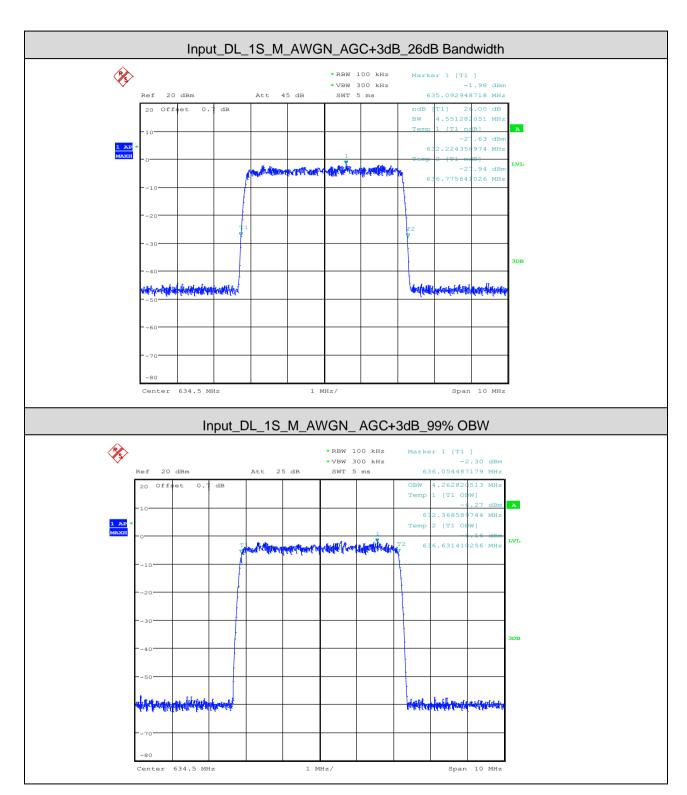
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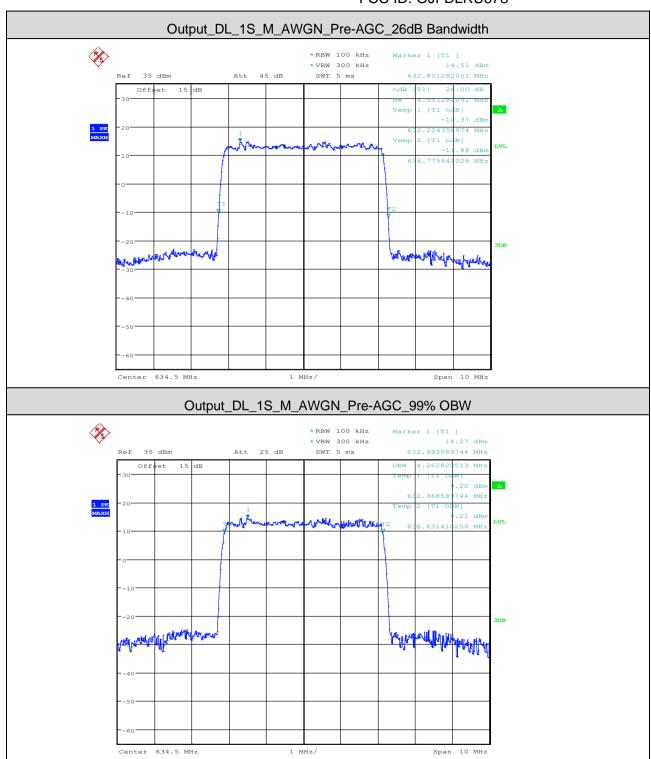
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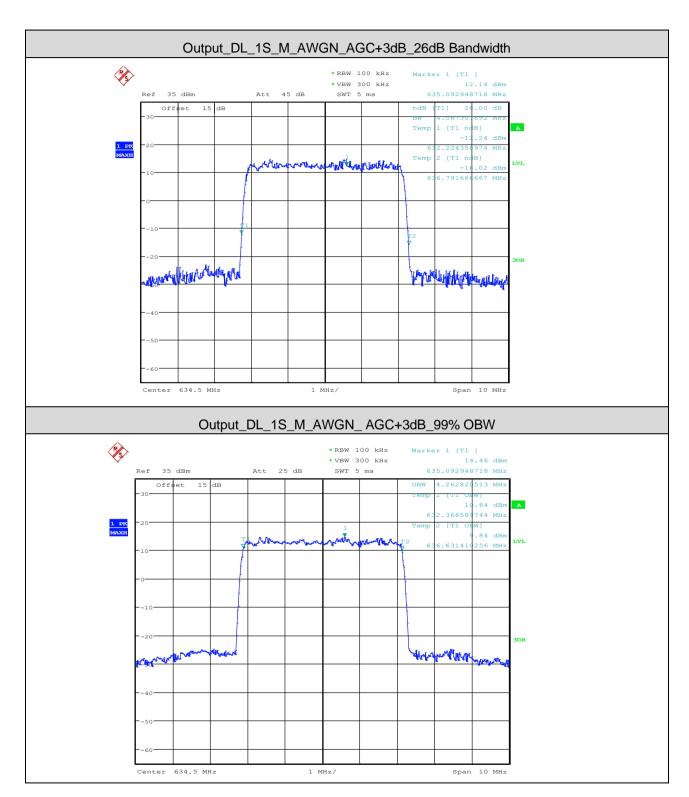
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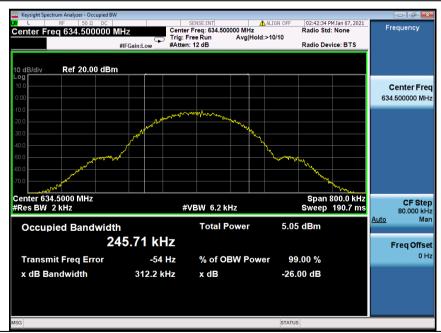
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Input DL 1S M GSM Pre-AGC 26dB Bandwidth & 99% OBW



Input_DL_1S_M_GSM_AGC+3dB_26dB Bandwidth & 99% OBW





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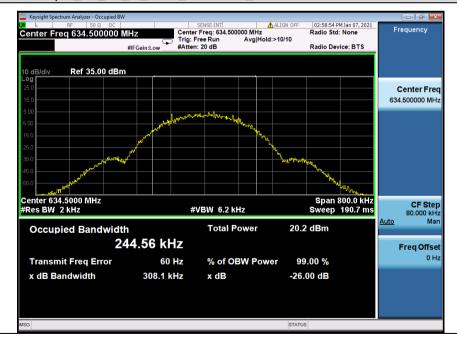
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Output DL 1S M GSM Pre-AGC 26dB Bandwidth & 99% OBW



Output_DL_1S_M_GSM_AGC+3dB_26dB Bandwidth & 99% OBW





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Remark:

Compare the spectral plot of the input signal to the output signal affirm that they are similar (in passband and roll off characteristic features and relative spectral locations). The test result complies with the requirement.



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1.4 Mean output power and amplifier/booster gain

Test Conf.	Test Freq. f ₀ (MHz)	Signal Level	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Verdict
DL_1S_AWGN 617.67		Pre-AGC	0.14	20.22	20.08	PASS
	AGC+3dB	3.14	20.17	/	PASS	
DL_1S_GSM 617.6		Pre-AGC	0.14	20.16	20.02	PASS
	617.67	AGC+3dB	3.14	20.02	/	PASS

Remark:

According to the declaration from the applicant, the single antenna gain should not exceed 12.5dBi, the Directional gain = $G(ANT) + 10 \log (NANT) dBi = 12.5dBi + 10 \log (2) dBi = 15.5dBi$.

ERP= EIRP-2.15dB

The total maximum ERP for the EUT is (20.22dBm+20.22dBm) +15.5dBi-2.15dB=36.58dBm (4.549W) which don't exceed the required ERP limit (1000W/MHz).



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1.5 Out-of-band/out-of-block (including intermodulation) emissions and spurious emissions

Note:

1. The tested max conducted power for single antenna port is 20.22dBm, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

Here,

P=20.22dBm= 0.1052W.

So the limit =

P(dBm)-[43 + 10 log (0.1052W)] = 20.22dBm-33.22dB=-13dBm

The EUT supports 2x2 MIMO and the emissions were measured at one of output port, so the limit line was set to -16.01dBm in following test plots in order to determine the test result conveniently.

2. Out-of-band/out-of-block (including intermodulation) emissions and spurious emissions have been tested using an AWGN test signal and a GSM-TDMA test signal, only the worst-case was recorded in this report.



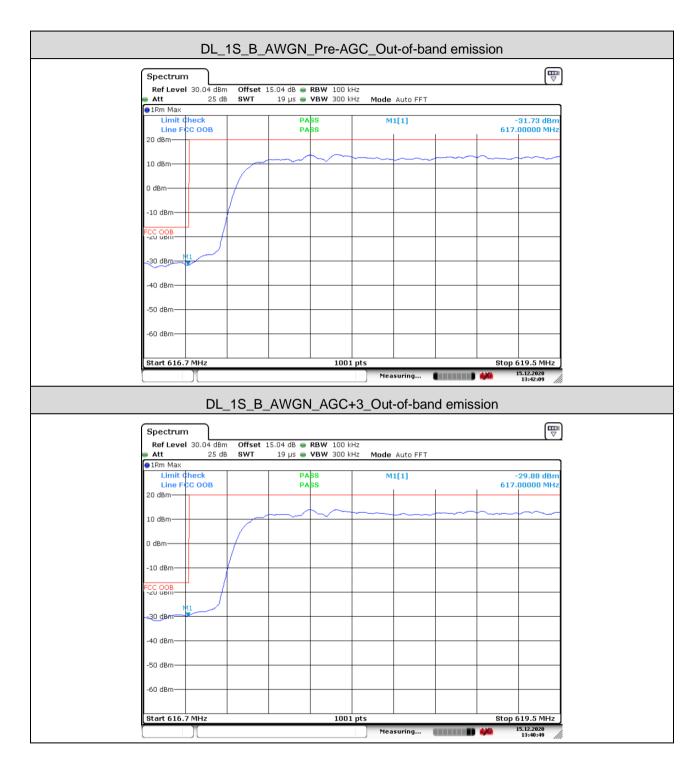
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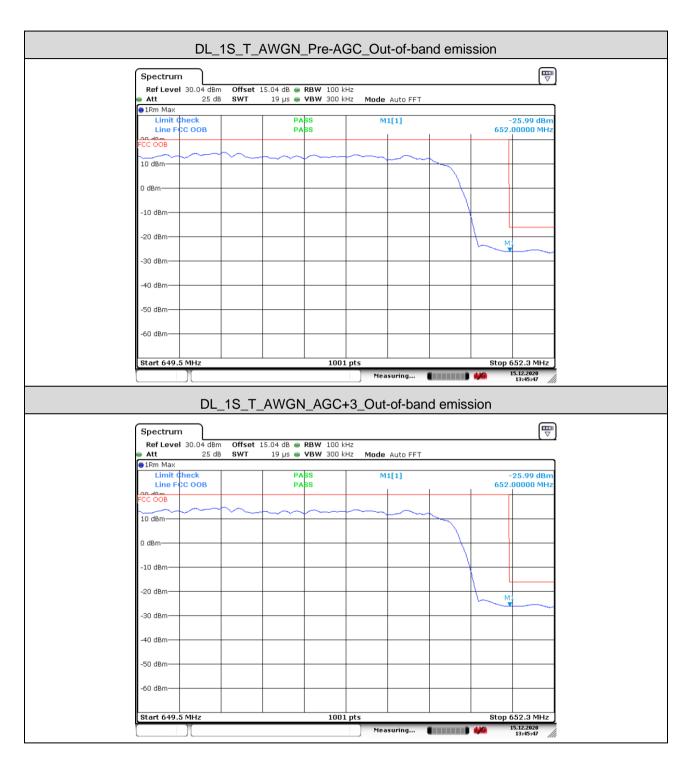
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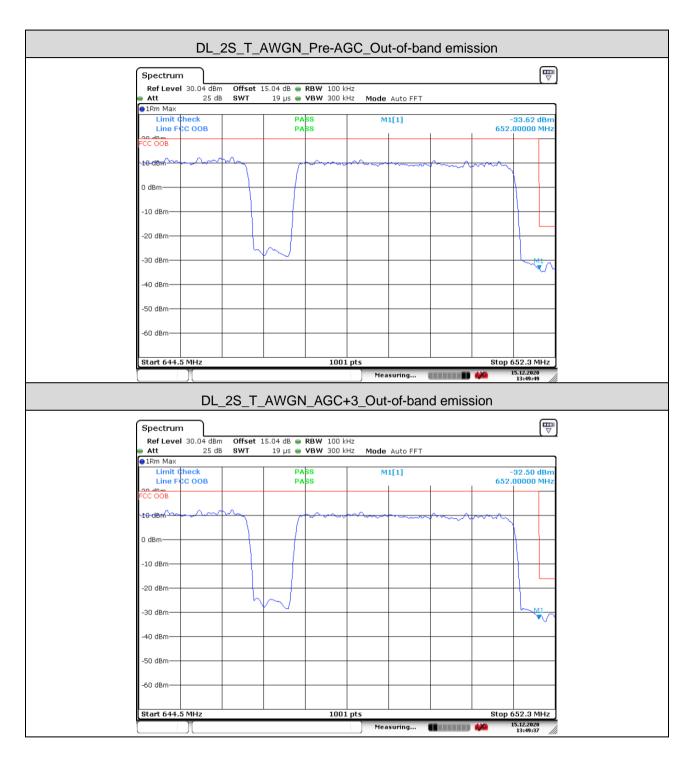
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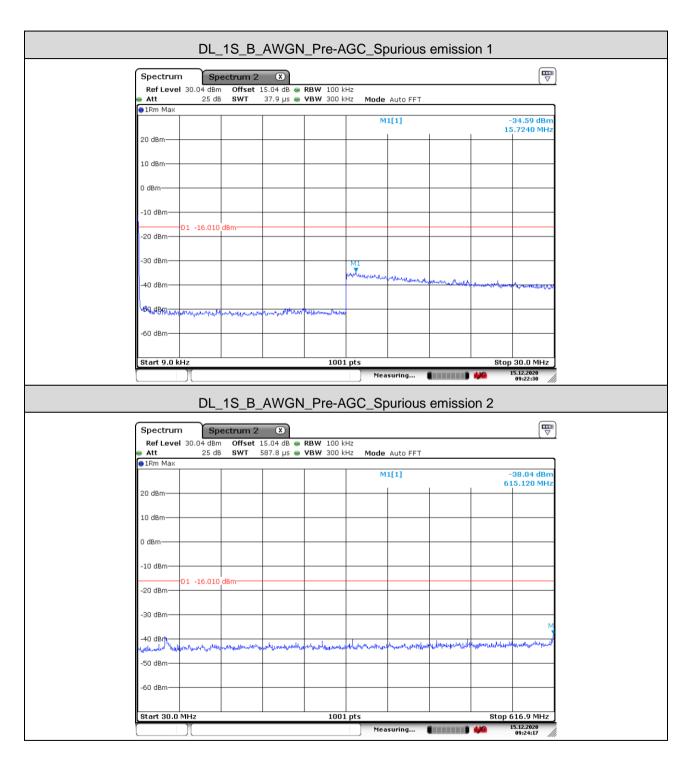
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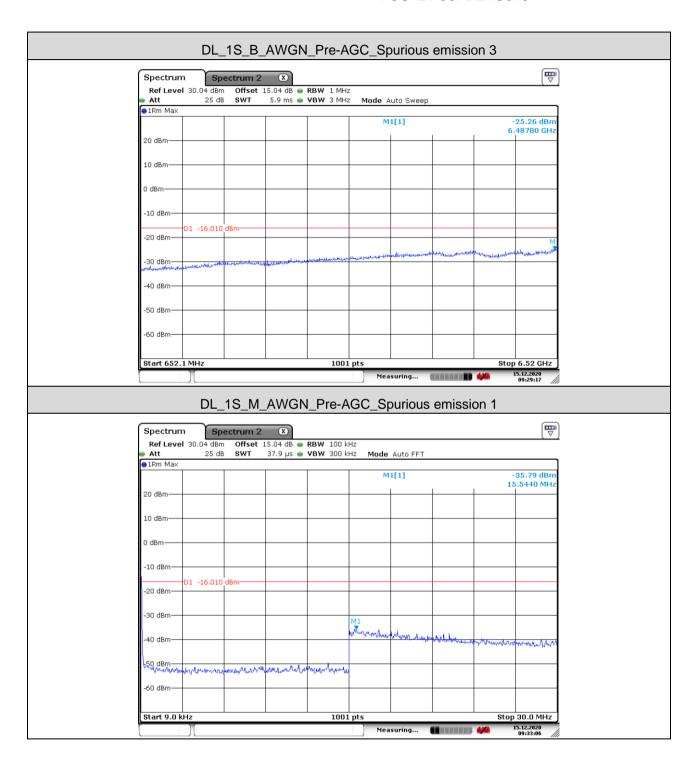
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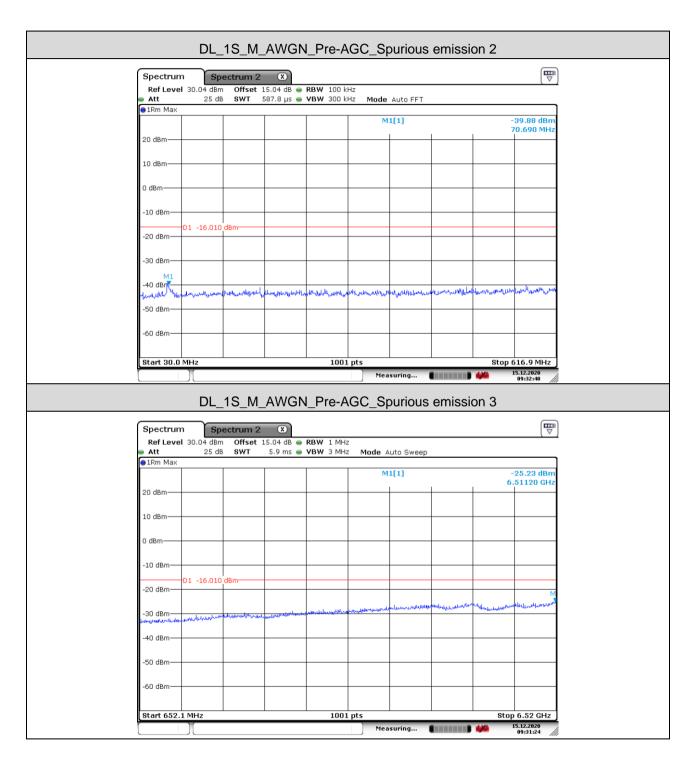
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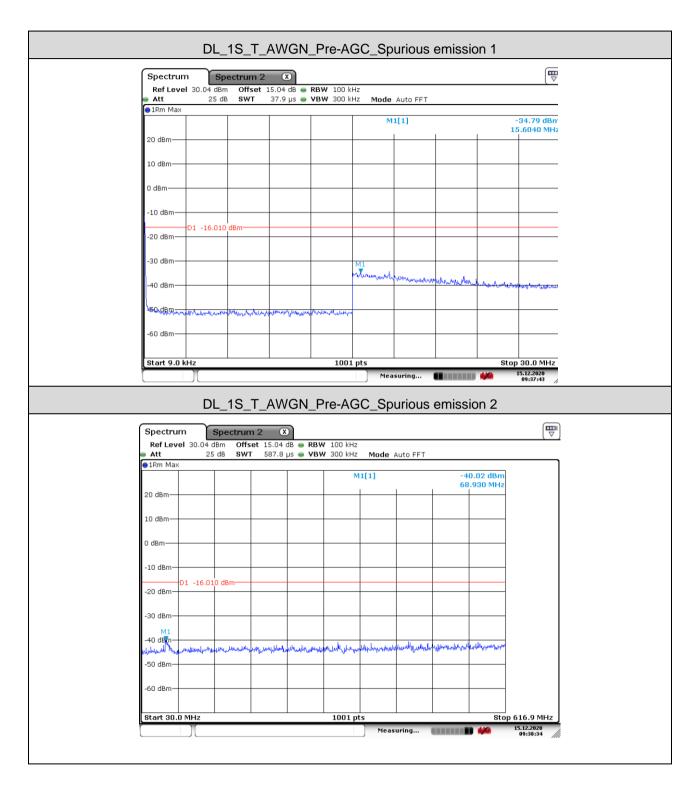
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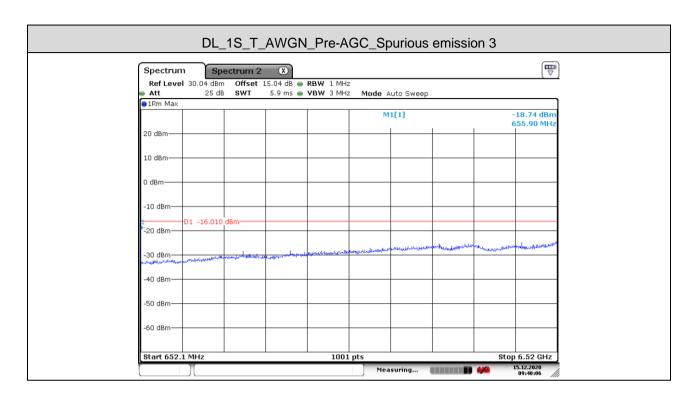
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1.6 Frequency Stability

Note:

- 1. At 10 °C intervals of temperatures between -30 °C and +50 °C at the manufacturer's rated supply voltage, here the rated supply voltage is DC 48V.
- 2. At +20 °C temperature and $\pm15\%$ supply voltage variations. If a product is specified to operate over a range of input voltage, then the -15% variation is applied to the lowermost voltage and the +15% is applied to the uppermost voltage.
- 3. The frequency stabilities can be maintained within the authorized bands of operation. Meet the requirement.
- 4. Frequency stability has been tested using an AWGN test signal and a GSM-TDMA test signal, only the worst-case was recorded in this report.



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Frequency stability vs temperature				
Temperature (℃)	Test Conf.	Test data (MHz)	Tolerance (ppm)	Verdict
50		634.554894	0.17	PASS
40		634.554734	-0.08	PASS
30		634.554533	-0.39	PASS
20		634.554784	Reference	PASS
10	DL_1S_M_AWGN	634.554841	0.09	PASS
0		634.554732	-0.08	PASS
-10		634.554435	-0.55	PASS
-20		634.554523	-0.41	PASS
-30		634.554548	-0.37	PASS

Frequency stability vs voltage				
Voltage (V)	Test Conf.	Test data (MHz)	Tolerance (ppm)	Verdict
DC 40.8		634.554531	-0.24	PASS
DC 48	DL_1S_M_AWGN	634.554683	Reference	PASS
DC 55.2		634.554653	-0.47	PASS



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1.7 Radiated spurious emissions

Note:

1. The tested max conducted power for single antenna port is 20.22dBm. the 2x2 MIMO total power is 20.22dBm+20.22dBm= 0.2104W.

The any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

Here,

P=0.2104W,

So the limit =

P(dBm)- [43 + 10 log (0.2104W)] = -13dBm

- 2. The radiated test performed at bottom / middle / top channel, the data with more than 20db margin, therefore, only the worst-case middle channel test data was recorded in the report.
- 3. The disturbance 9kHz to 30MHz was very low and 20dB below the limit, therefore, the data was not recorded in the report.



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DL 1S M AWGN Horizontal 30MHz~1GHz Level (dBm) 30 10 -13DBM -10 -30 -50 6 3 -70 -90 -110 -120₃₀ 50 100 200 500 1000 Freq. Level Limit Over Limit Polarization Verdict (dB) (MHz) (dBm) (dBm) 32.864 -61.66 -13 -48.66 Horizontal **PASS** 39.715 -53.62-13 -40.62 Horizontal **PASS** 46.503 -59.29 -46.29 Horizontal **PASS** -13 -52.11 -39.11 Horizontal **PASS** 71.832 -13 93.113 -51.26 -13 -38.26 Horizontal **PASS** -58.10 -45.1 Horizontal **PASS** 121,123 -13



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DL 1S M AWGN Horizontal above 1GHz 40 Level (dBm) 30 10 -13DBM -10 -30 6 -50 -70 -90 -110 -120 1000 1500 2000 5000 10000 18000 Limit Over Limit Freq. Level Polarization Verdict (MHz) (dBm) (dBm) (dB) **PASS** 1271.123 -53.97 -13 -40.97 Horizontal Horizontal **PASS** 1684.778 -52.69 -13 -39.69 **PASS** 2024.354 -51.01 -13 -38.01 Horizontal -50.11 -37.11 Horizontal **PASS** 2259.367 -13 6071.417 -43.46 -13 -30.46 Horizontal **PASS** 6756.708 -42.70-13 -29.7 Horizontal **PASS**



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DL 1S M AWGN Vertical 30MHz~1GHz Level (dBm) 30 10 -13DBM -10 -30 -50 5 2 6 -70 -90 -120₃₀ 100 200 500 50 1000 Freq. Level Limit Over Limit Polarization Verdict (MHz) (dBm) (dBm) (dB) 39.715 -51.45 Vertical **PASS** -13 -38.45 64.887 -60.73 -13 -47.73 Vertical **PASS** 71.832 -39.9 Vertical **PASS** -52.90 -13 94.098 -46.97 -13 -33.97 Vertical **PASS** 121.123 -59.21 -13 -46.21 Vertical **PASS PASS** 286.982 -67.81 -13 -54.81 Vertical



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DL 1S M AWGN Vertical above 1GHz 40 Level (dBm) 30 10 -13DBM -10 -30 6 -50 -70 -90 -110 -120 1000 1500 2000 5000 10000 18000 Freq. Level Limit Over Limit Polarization Verdict (MHz) (dBm) (dBm) (dB) 1100.079 -54.44 -13 -41.44 Vertical **PASS** 1648.778 -51.73 -13 -38.73 Vertical **PASS** Vertical 2259.367 -49.87 -13 -36.87 **PASS** 2734.229 -54.63 -41.63 Vertical **PASS** -13 Vertical 6106.616 -41.84 -13 -28.84 **PASS** 6698.373 -42.02 -29.02 Vertical **PASS** -13



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2 Lower 700MHz (698-716MHz paired with 728-746MHz)

2.1 AGC threshold level

Test Conf.	AGC Threshold level	
DL_1S_M_AWGN_AWGN	-0.36dBm	
DL_1S_M_AWGN_GSM	-0.26dBm	



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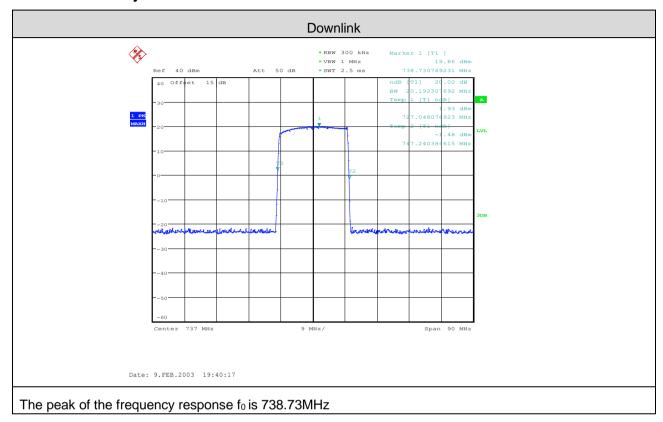
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2.2 Out-of-band rejection





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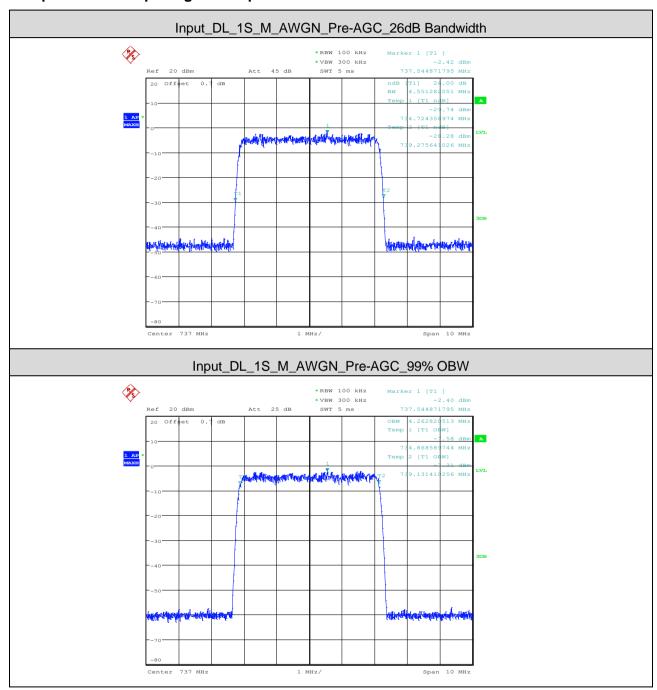
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2.3 Input-versus-output signal comparison





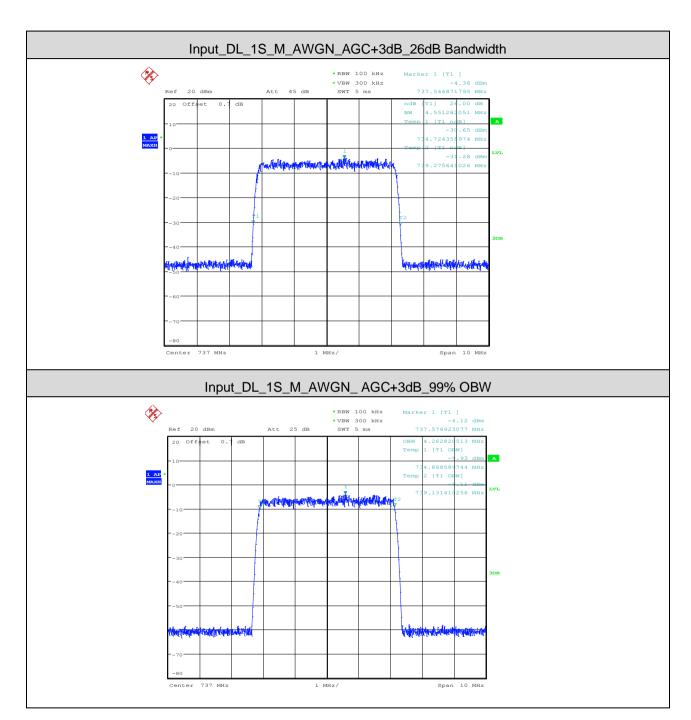
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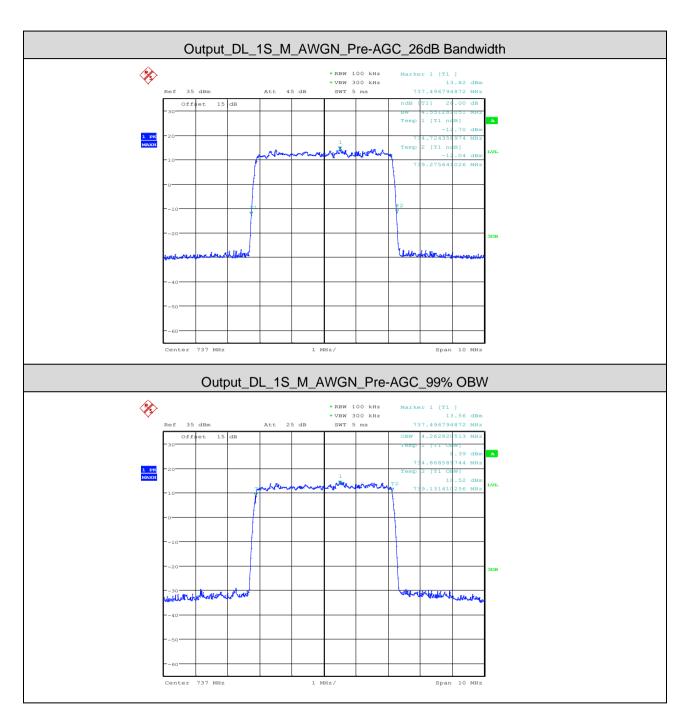
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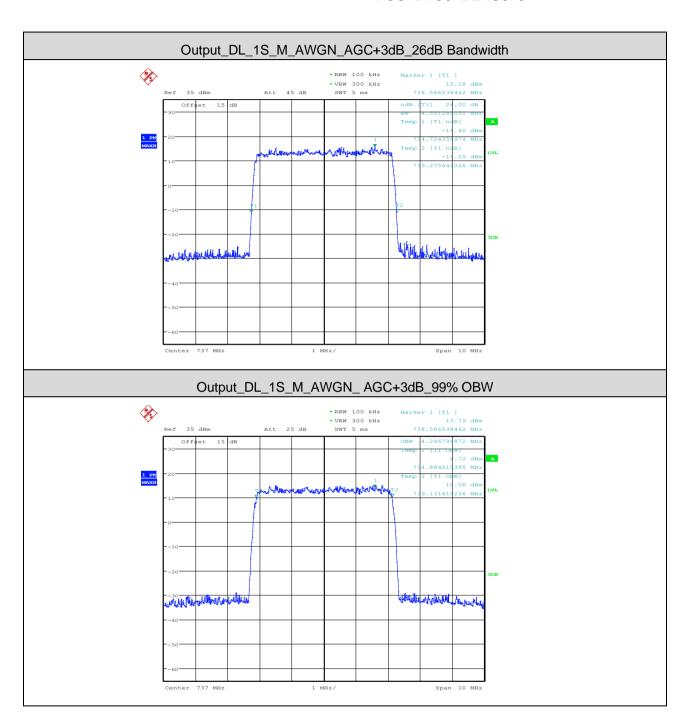
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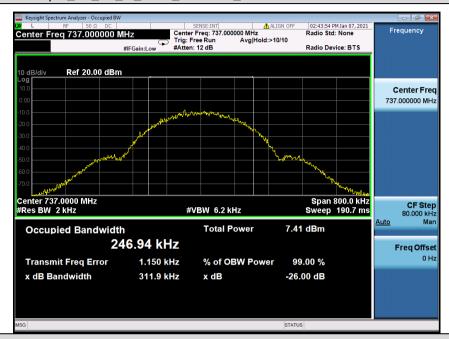
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Input DL 1S M GSM Pre-AGC 26dB Bandwidth & 99% OBW



Input_DL_1S_M_GSM_AGC+3dB_26dB Bandwidth & 99% OBW





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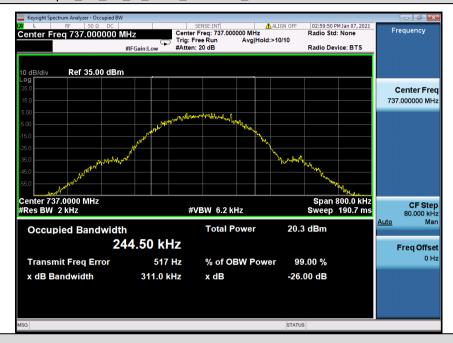
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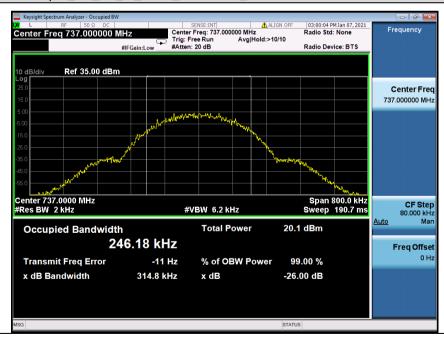
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Output DL 1S M GSM Pre-AGC 26dB Bandwidth & 99% OBW



Output_DL_1S_M_GSM_AGC+3dB_26dB Bandwidth & 99% OBW





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Remark:

Compare the spectral plot of the input signal to the output signal affirm that they are similar (in passband and roll off characteristic features and relative spectral locations). The test result complies with the requirement.



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2.4 Mean output power and amplifier/booster gain

Test Conf.	Test Freq. f ₀ (MHz)	Signal Level	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Verdict
DL_1S_AWGN	738.73	Pre-AGC	-0.41	20.16	20.57	PASS
		AGC+3dB	2.59	20.32	/	PASS
		Pre-AGC	-0.41	20.26	20.67	PASS
DL_1S_GSM	738.73	AGC+3dB	2.59	20.30	/	PASS

Remark:

According to the declaration from the applicant, the single antenna gain should not exceed 12.5dBi, the Directional gain = $G(ANT) + 10 \log (NANT) dBi = 12.5dBi + 10 \log (2) dBi = 15.5dBi$.

ERP= EIRP-2.15dB,

The total maximum ERP for the EUT is (20.32dBm+20.32dBm) +15.5dBi-2.15dB=36.68dBm (4.66W) which don't exceed the required ERP limit (1000W/MHz).



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2.5 Out-of-band/out-of-block (including intermodulation) emissions and spurious emissions

Note:

1. The tested max conducted power for single antenna port is 20.32 dBm, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P) dB$, the limit corresponds to an absolute limit of -13 dBm.

Here,

P=20.32dBm= 0.1076W.

So the limit =

P(dBm)- [43 + 10 log (0.1076W)] = -13dBm

The EUT supports 2x2 MIMO and the emissions were measured at one of output port, so the limit line was set to -16.01dBm in following test plots in order to determine the test result conveniently.

2. Out-of-band/out-of-block (including intermodulation) emissions and spurious emissions have been tested using an AWGN test signal and a GSM-TDMA test signal, only the worst-case was recorded in this report.



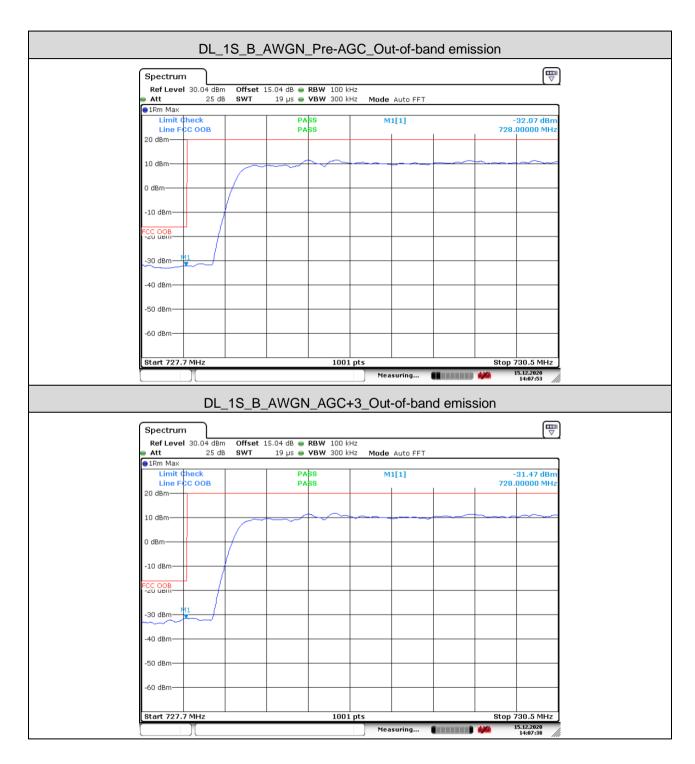
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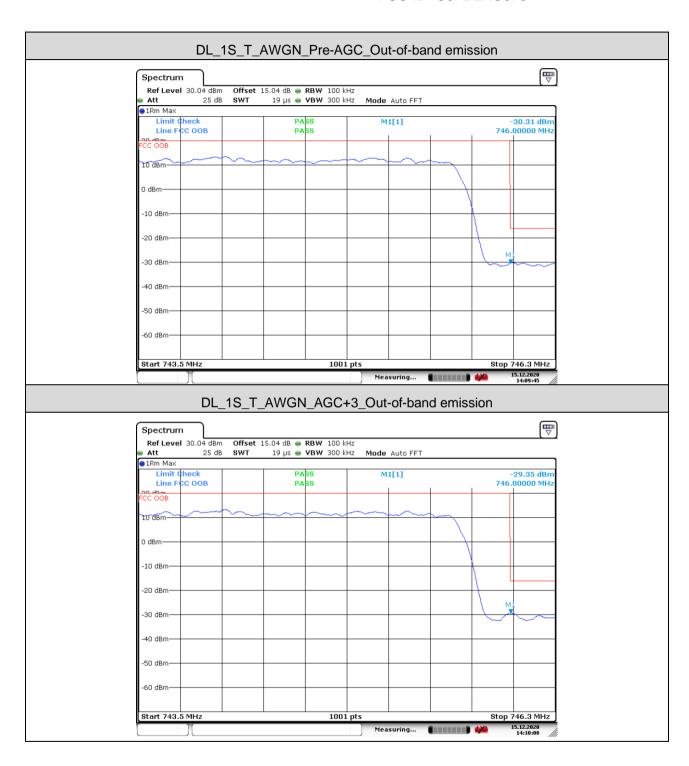
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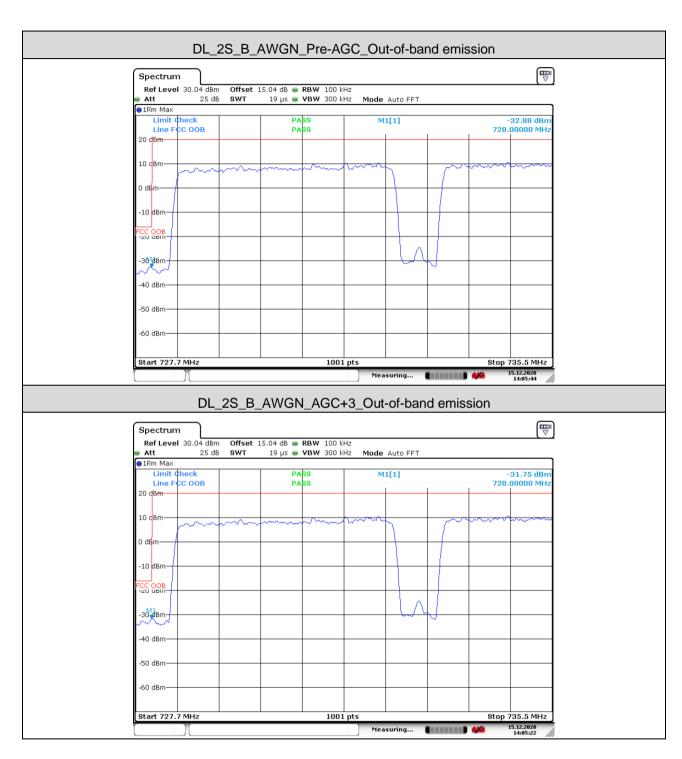
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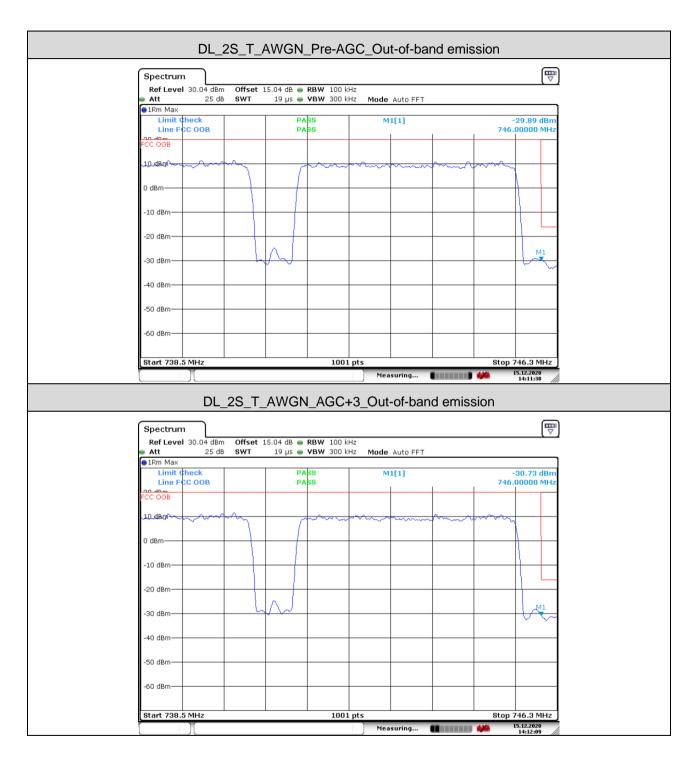
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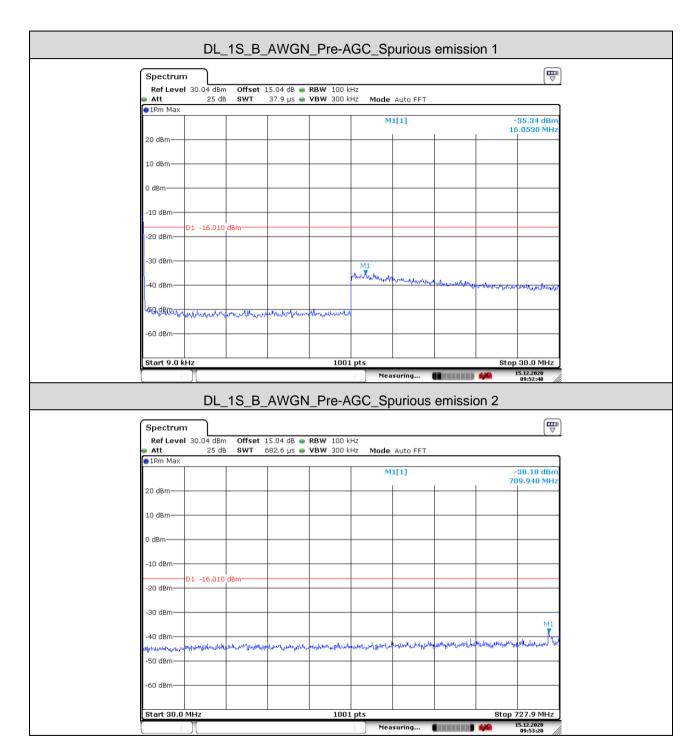
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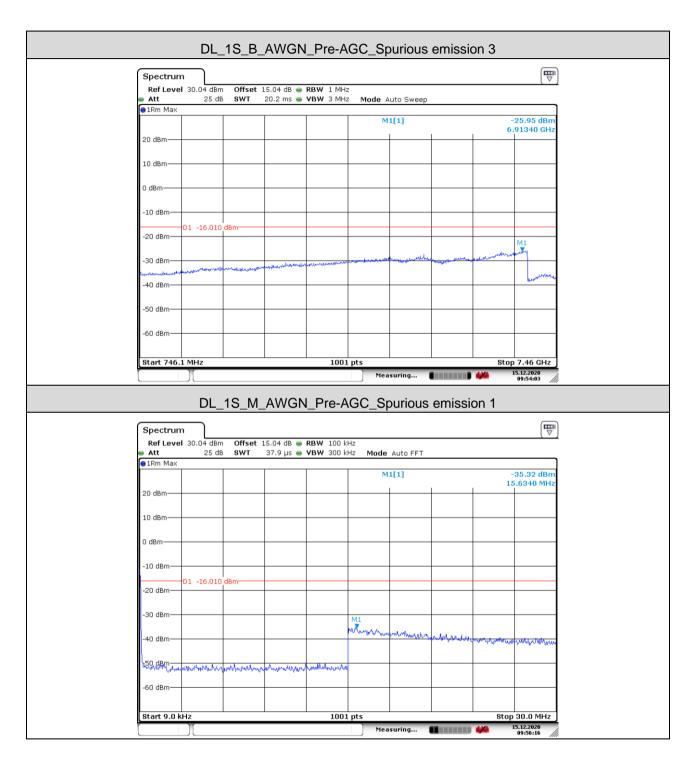
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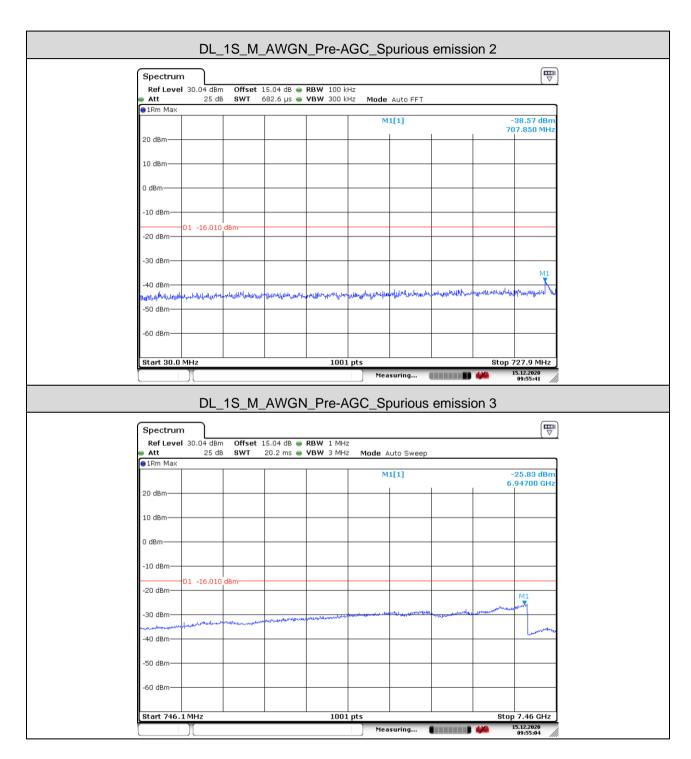
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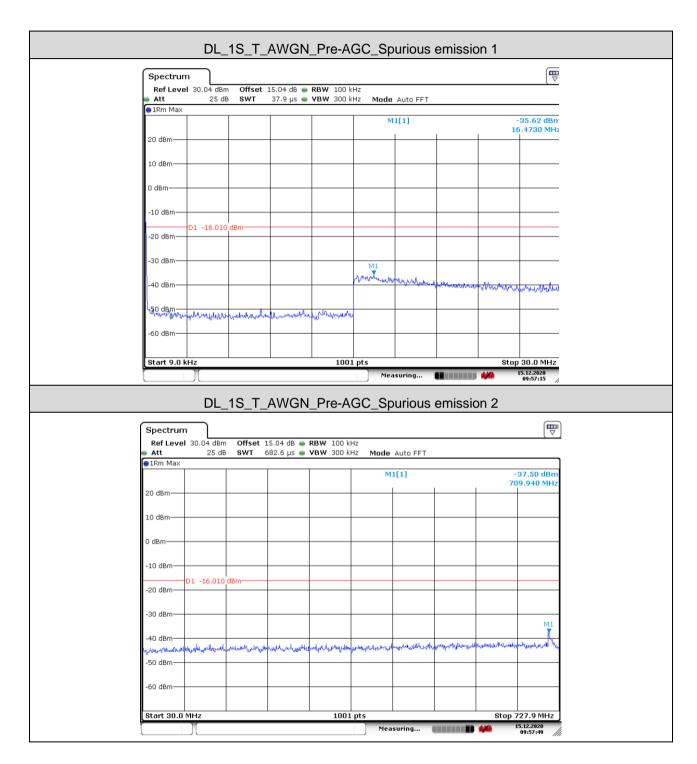
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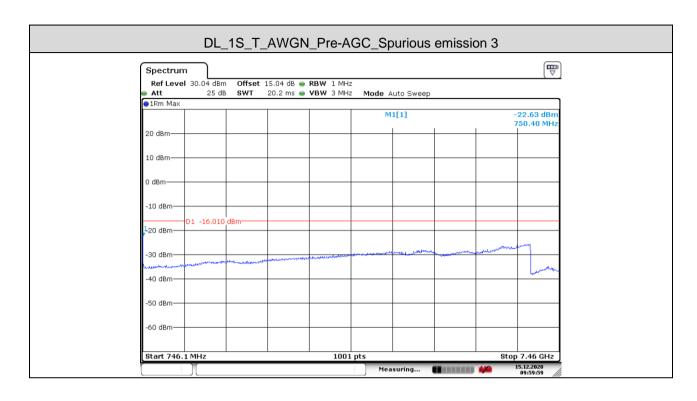
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2.6 Frequency Stability

Note:

- 1. At 10 °C intervals of temperatures between −30 °C and +50 °C at the manufacturer's rated supply voltage, here the rated supply voltage is DC 48V.
- 2. At +20 °C temperature and ±15% supply voltage variations. If a product is specified to operate over a range of input voltage, then the −15% variation is applied to the lowermost voltage and the +15% is applied to the uppermost voltage.
- 3. The frequency stabilities can be maintained within the authorized bands of operation. Meet the requirement.
- 4. Frequency stability has been tested using an AWGN test signal and a GSM-TDMA test signal, only the worst-case was recorded in this report.



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Frequency stability vs temperature					
Temperature (℃)	Test Conf.	Test data (MHz)	Tolerance (ppm)	Verdict	
50		737.000328	0.22	PASS	
40		737.000293	0.18	PASS	
30		737.000300	0.18	PASS	
20		737.000164	Reference	PASS	
10	DL_1S_M_AWGN	737.000267	0.14	PASS	
0		737.000146	-0.02	PASS	
-10		737.000302	0.19	PASS	
-20		737.000226	0.084	PASS	
-30		737.000343	0.24	PASS	

Frequency stability vs voltage					
Voltage (V)	Test Conf.	Test data (MHz)	Tolerance (ppm)	Verdict	
DC 40.8		737.000402	0.26	PASS	
DC 48	DL_1S_M_AWGN	737.000211	Reference	PASS	
DC 55.2		737.000364	0.21	PASS	



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2.7 Radiated spurious emissions

Note:

1. The tested max conducted power for single antenna port is 20.32dBm. the 2x2 MIMO total power is 20.32dBm+20.32dBm= 0.2153W.

The any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

Here,

P=0.2153W,

So the limit =

P(dBm)- [43 + 10 log (0.2153W)] = -13dBm

- 2. The radiated test performed at bottom / middle / top channel, the data with more than 20db margin, therefore, only the worst-case middle channel test data was recorded in the report.
- 3. The disturbance from 9kHz to 30MHz was very low and 20db below the limit, therefore, the data was not recorded in the report.



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DL 1S M AWGN Horizontal 30MHz~1GHz Level (dBm) 30 10 -13DBM -10 -30 -50 6 3 -70 -90 -110 -120₃₀ 50 100 200 500 1000 Freq. Level Limit Over Limit Polarization Verdict (dB) (MHz) (dBm) (dBm) 32.864 -61.66 -13 -48.66 Horizontal **PASS** 39.715 -53.62-13 -40.62 Horizontal **PASS** 46.503 -59.29 -46.29 Horizontal **PASS** -13 -52.11 -39.11 Horizontal **PASS** 71.832 -13 93.113 -51.26 -13 -38.26 Horizontal **PASS** -58.10 -45.1 Horizontal **PASS** 121,123 -13



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DL 1S M AWGN Horizontal above 1GHz 40 Level (dBm) 30 10 -13DBM -10 -30 6 -50 -70 -90 -110 -120 1000 1500 2000 5000 10000 18000 Limit Over Limit Freq. Level Polarization Verdict (MHz) (dBm) (dBm) (dB) **PASS** 1271.123 -53.97 -13 -40.97 Horizontal Horizontal **PASS** 1684.778 -52.69 -13 -39.69 **PASS** 2024.354 -51.01 -13 -38.01 Horizontal -50.11 -37.11 Horizontal **PASS** 2259.367 -13 6071.417 -43.46 -13 -30.46 Horizontal **PASS** 6756.708 -42.70-13 -29.7 Horizontal **PASS**



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DL 1S M AWGN Vertical 30MHz~1GHz Level (dBm) 30 10 -13DBM -10 -30 -50 5 2 6 -70 -90 -120₃₀ 100 200 500 50 1000 Freq. Level Limit Over Limit Polarization Verdict (MHz) (dBm) (dBm) (dB) 39.715 -51.45 Vertical **PASS** -13 -38.45 64.887 -60.73 -13 -47.73 Vertical **PASS** 71.832 -39.9 Vertical **PASS** -52.90 -13 94.098 -46.97 -13 -33.97 Vertical **PASS** 121.123 -59.21 -13 -46.21 Vertical **PASS PASS** 286.982 -67.81 -13 -54.81 Vertical



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DL 1S M AWGN Vertical above 1GHz 40 Level (dBm) 30 10 -13DBM -10 -30 6 -50 -70 -90 -110 -120 1000 1500 2000 5000 10000 18000 Freq. Level Limit Over Limit Polarization Verdict (MHz) (dBm) (dBm) (dB) 1100.079 -54.44 -13 -41.44 Vertical **PASS** 1648.778 -51.73 -13 -38.73Vertical **PASS** Vertical 2259.367 -49.87 -13 -36.87 **PASS** 2734.229 -54.63 -41.63 Vertical **PASS** -13 Vertical 6106.616 -41.84 -13 -28.84 **PASS** 6698.373 -42.02 -29.02 Vertical **PASS** -13



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3 Upper 700MHz (776-787MHz paired with 746-757MHz)

3.1 AGC threshold level

Test Conf.	AGC Threshold level		
DL_1S_M_AWGN_AWGN	-0.23dBm		
DL_1S_M_AWGN_GSM	-0.29dBm		



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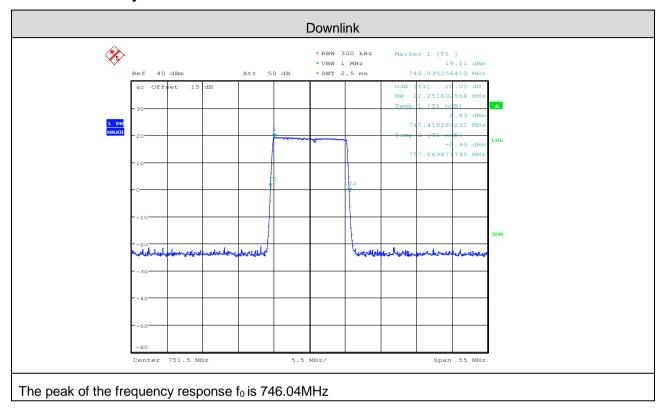
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3.2 Out-of-band rejection





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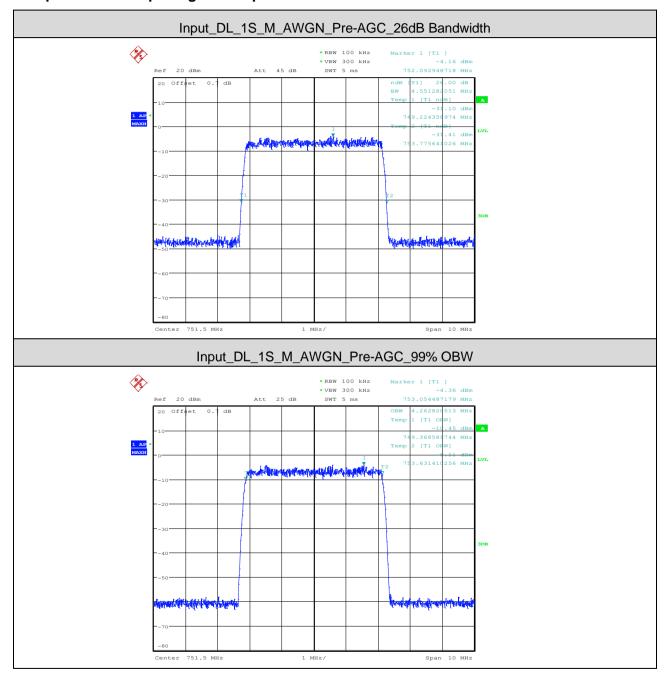
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3.3 Input-versus-output signal comparison





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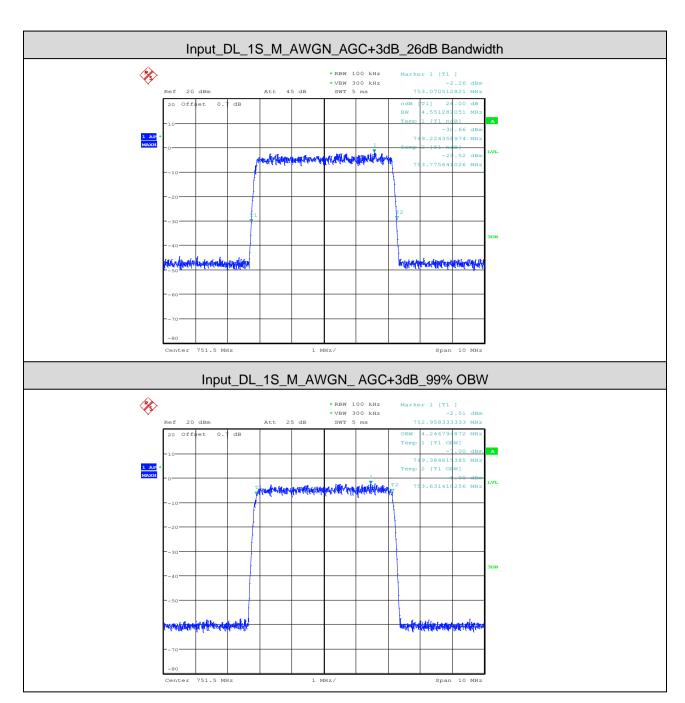
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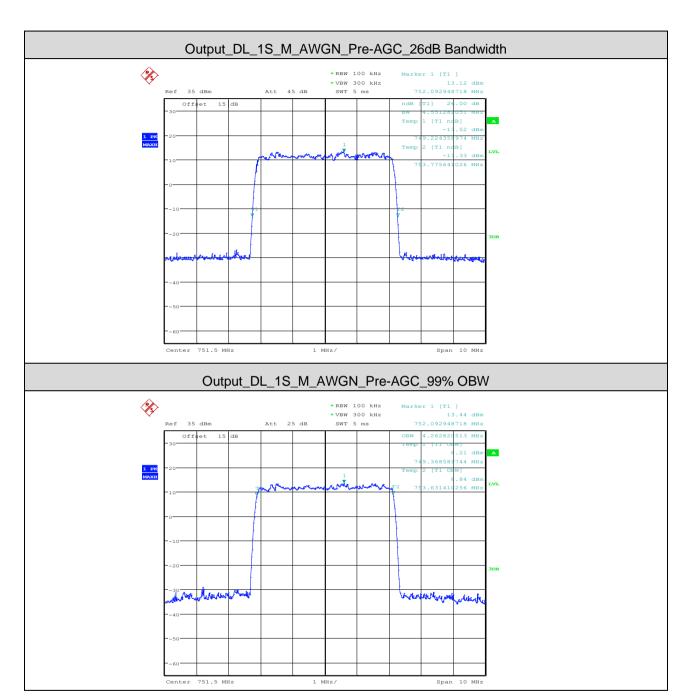
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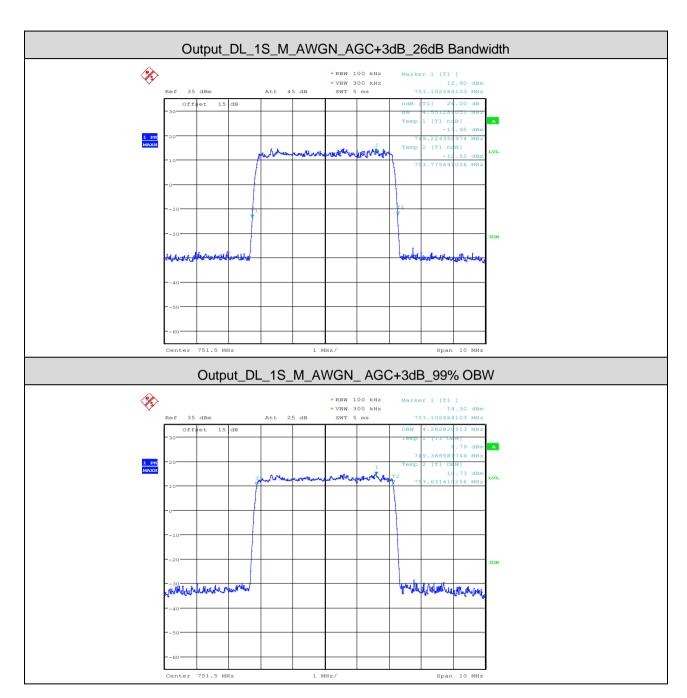
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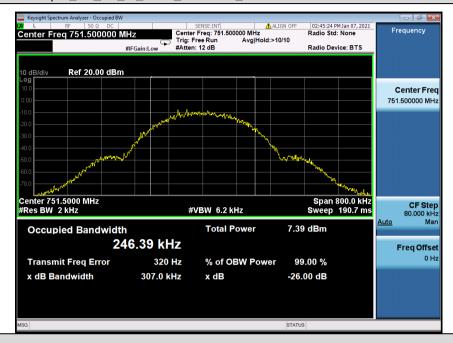
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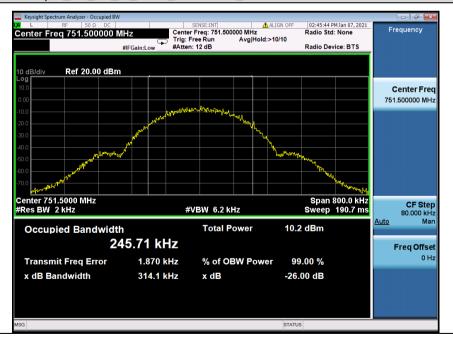
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Input DL 1S M GSM Pre-AGC 26dB Bandwidth & 99% OBW



Input_DL_1S_M_GSM_AGC+3dB_26dB Bandwidth & 99% OBW





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Output_DL_1S_M_GSM_Pre-AGC_26dB Bandwidth & 99% OBW



Output_DL_1S_M_GSM_AGC+3dB_26dB Bandwidth & 99% OBW





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Remark:

Compare the spectral plot of the input signal to the output signal affirm that they are similar (in passband and roll off characteristic features and relative spectral locations). The test result complies with the requirement.



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3.4 Mean output power and amplifier/booster gain

Test Conf.	Test Freq. f ₀ (MHz)	Signal Level	Input Power (dBm)	Output Power (dBm)	Gain (dB)	Verdict
DL_1S_AWGN	746.04	Pre-AGC	-0.26	20.09	20.35	PASS
		AGC+3dB	2.74	20.04	/	PASS
		Pre-AGC	-0.26	20.03	20.29	PASS
DL_1S_GSM	746.04	AGC+3dB	2.74	20.06	/	PASS

Remark:

According to the declaration from the applicant, the single antenna gain should not exceed 12.5dBi, the Directional gain = $G(ANT) + 10 \log (NANT) dBi = 12.5dBi + 10 \log (2) dBi = 15.5dBi$.

ERP= EIRP-2.15dB,

The total maximum ERP for the EUT is (20.09dBm+20.09dBm) +15.5dBi-2.15dB=36.45dBm (4.416W) which don't exceed the required ERP limit (1000W/MHz).



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3.5 Out-of-band/out-of-block (including intermodulation) emissions and spurious emissions

Note:

1. The tested max conducted power for single antenna port is 20.09dBm, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB, the limit corresponds to an absolute limit of −13 dBm.

Here,

P=20.09dBm= 0.1021W.

So the limit =

P(dBm)- [43 + 10 log (0.108W)] = -13dBm

The EUT supports 2x2 MIMO and the emissions were measured at one of output port, so the limit line was set to -16.01dBm in following test plots in order to determine the test result conveniently.

2. Out-of-band/out-of-block (including intermodulation) emissions and spurious emissions have been tested using an AWGN test signal and a GSM-TDMA test signal, only the worst-case was recorded in this report.



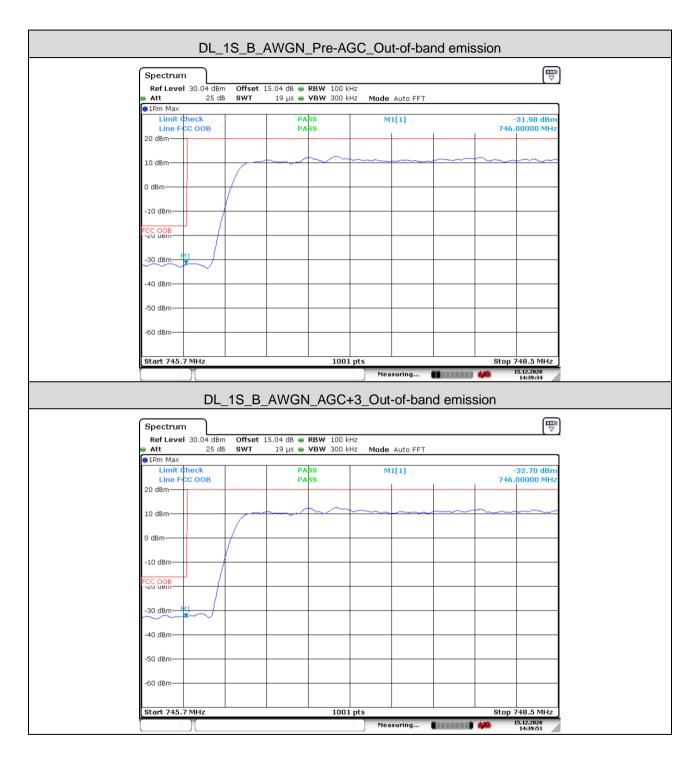
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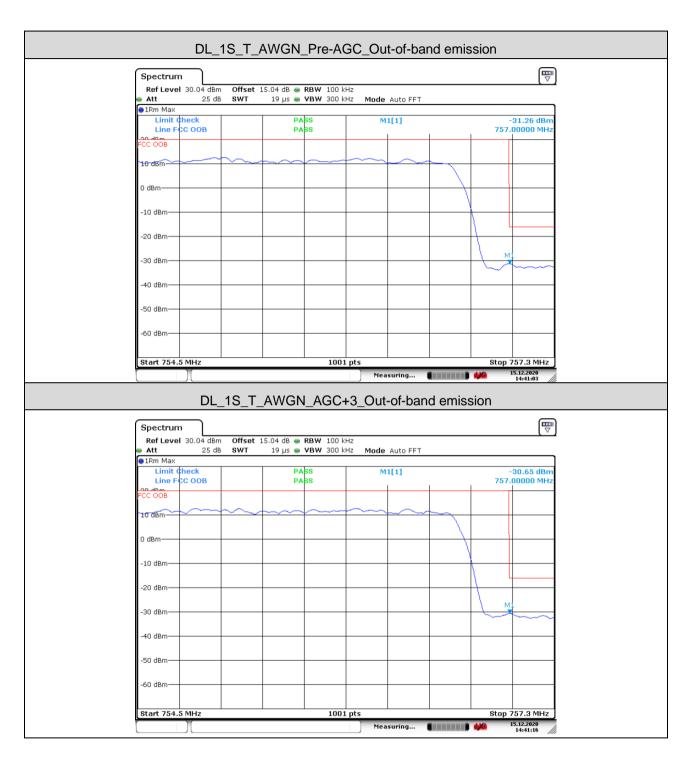
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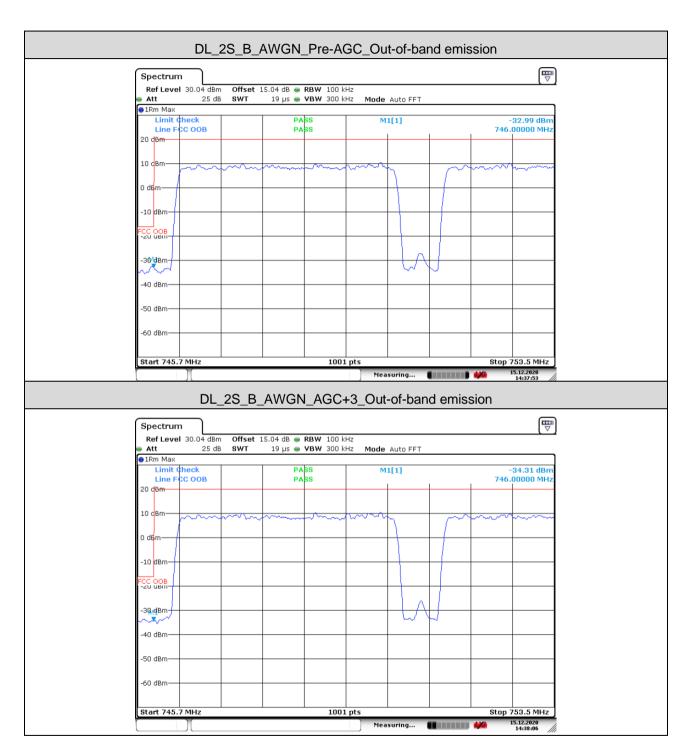
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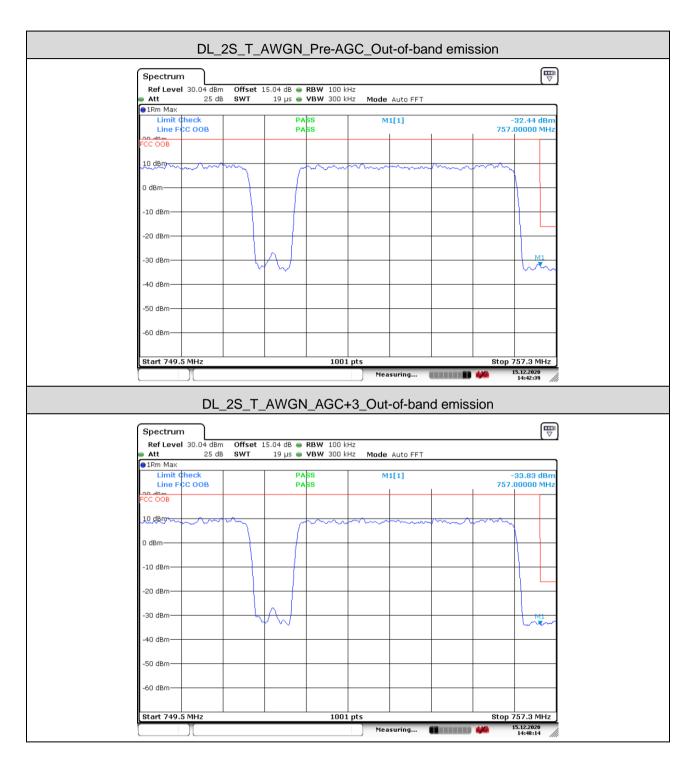
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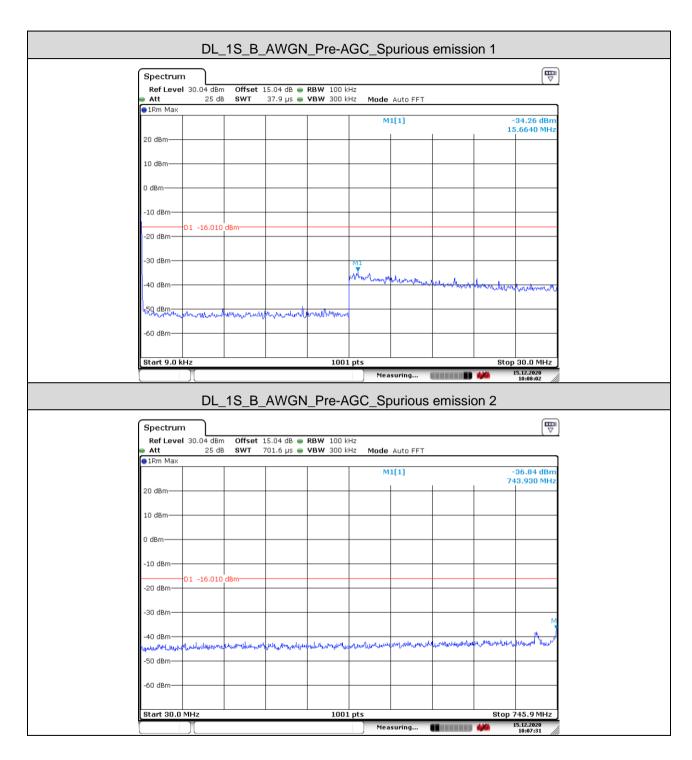
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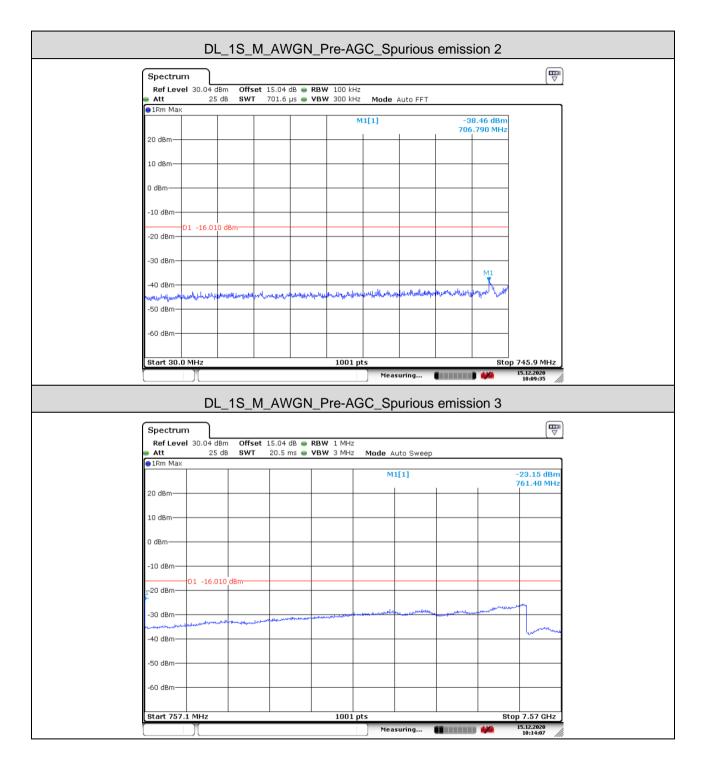
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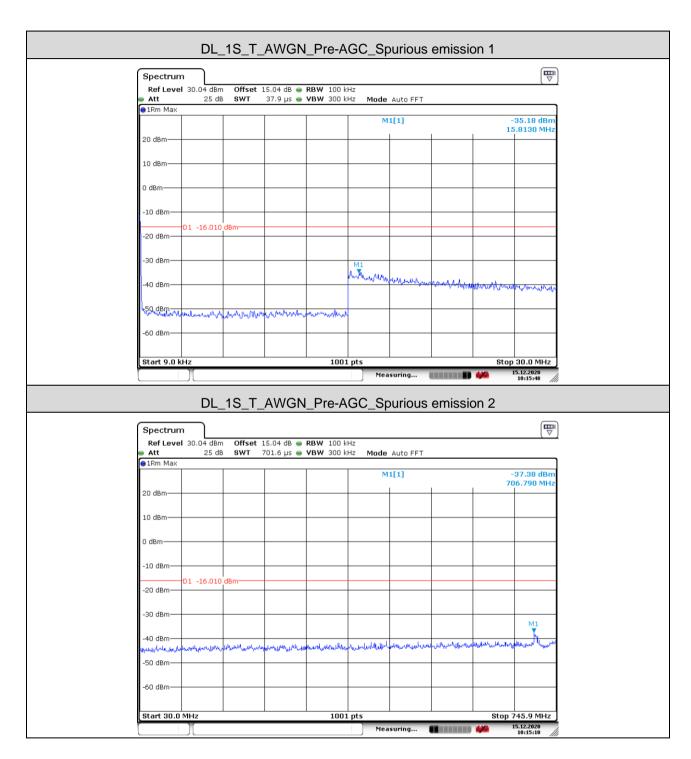
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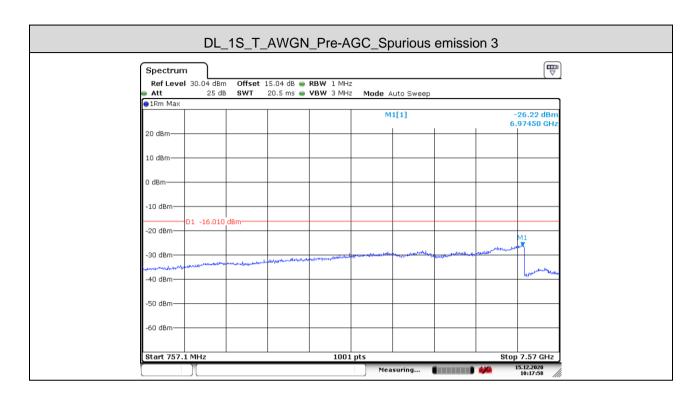
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3.6 Frequency Stability

Note:

- 1. At 10 °C intervals of temperatures between -30 °C and +50 °C at the manufacturer's rated supply voltage, here the rated supply voltage is DC 48V.
- 2. At +20 °C temperature and ±15% supply voltage variations. If a product is specified to operate over a range of input voltage, then the −15% variation is applied to the lowermost voltage and the +15% is applied to the uppermost voltage.
- 3. The frequency stabilities can be maintained within the authorized bands of operation. Meet the requirement.
- 4. Frequency stability has been tested using an AWGN test signal and a GSM-TDMA test signal, only the worst-case was recorded in this report.



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Frequency stability vs temperature						
Temperature (℃)	Test Conf.	Test data (MHz)	Tolerance (ppm)	Verdict		
50		751.553563	0.13	PASS		
40		751.553273	-0.26	PASS		
30		751.553642	-0.24	PASS		
20		751.553465	Reference	PASS		
10	DL_1S_M_AWGN	751.553362	-0.14	PASS		
0		751.553382	-0.11	PASS		
-10		751.553742	0.37	PASS		
-20		751.553633	0.22	PASS		
-30		751.553452	-0.02	PASS		

Frequency stability vs voltage						
Voltage (V)	Test Conf.	Test data (MHz)	Tolerance (ppm)	Verdict		
DC 40.8		751.553437	0.20	PASS		
DC 48	DL_1S_M_AWGN	751.553285	Reference	PASS		
DC 55.2		751.553165	-0.16	PASS		



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3.7 Radiated spurious emissions

Note:

1. The tested max conducted power for single antenna port is 20.09dBm. the 2x2 MIMO total power is 20.09dBm+20.09dBm= 0.2042W.

The any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

Here,

P=0.2042W

So the limit =

P(dBm)-[43 + 10 log (0.2042W)] = -13dBm

- 2. The radiated test performed at bottom / middle / top channel, the data with more than 20db margin, therefore, only the worst-case middle channel test data was recorded in the report.
- 3. The disturbance from 9kHz to 30MHz was very low and 20db below the limit, therefore, the data was not recorded in the report.



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DL 1S M AWGN Horizontal 30MHz~1GHz Level (dBm) 30 10 -13DBM -10 -30 -50 3 5 6 -70 -90 -110 -120^L30 50 100 200 500 1000 Limit Over Limit Freq. Level Polarization Verdict (MHz) (dBm) (dBm) (dB) 51.301 -77.13 -64.13 **PASS** -13 Horizontal **PASS** 71.832 -63.90-13 -50.9 Horizontal **PASS** 93.113 -65.91 -13 -52.91 Horizontal -13 -50.3 Horizontal **PASS** 121.123 -63.30175.652 -68.81 -13 -55.81 Horizontal **PASS** 893.857 -68.79 -13 -55.79 Horizontal **PASS**



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DL 1S M AWGN Horizontal above 1GHz 40 Level (dBm) 30 10 -13DBM -10 -30 6 -50 -70 -90 1000 1500 2000 10000 18000 5000 Freq. Level Limit Over Limit Polarization Verdict (MHz) (dBm) (dBm) (dB) 1129.072 Horizontal **PASS** -55.05 -13 -42.05 1751.955 -51.38 -13 -38.38 Horizontal **PASS PASS** 2259.367 -49.40 -13 -36.4 Horizontal 2633.397 -53.81 -13 -40.81 Horizontal **PASS** 5149.197 -50.41 -13 -37.41 Horizontal **PASS** 6451.353 -43.03 -13 -30.03 Horizontal **PASS**



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DL 1S M AWGN Vertical 30MHz~1GHz Level (dBm) 30 10 -13DBM -10 -30 -50 2 5 3 6 -70 -90 -120₃₀ 100 200 500 1000 50 Freq. Level Limit Over Limit Polarization Verdict (MHz) (dBm) (dBm) (dB) 37.812 Vertical **PASS** -58.14 -13 -45.14 44.587 -53.36 Vertical **PASS** -66.36 -13 64.887 -69.60 -13 -56.6 Vertical **PASS** 71.832 -68.41 -13 -55.41 Vertical **PASS** 85.298 Vertical **PASS** -66.31 -13 -53.31 285.978 -71.59 Vertical **PASS** -13 -58.59



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DL 1S M AWGN Vertical above 1GHz 40 Level (dBm) 30 10 -13DBM -10 -30 6 3 -50 -70 -90 -120 1000 1500 2000 5000 10000 18000 Freq. Level Limit Over Limit Polarization Verdict (MHz) (dBm) (dBm) (dB) 1100.079 Vertical **PASS** -53.61 -13 -40.61 1648.778 -52.16 -13 -39.16 Vertical **PASS** -48.93 -35.93 Vertical **PASS** 2428.671 -13 5361.833 -48.97 -13 -35.97 Vertical **PASS** 6001.626 -42.99 -13 -29.99 Vertical **PASS PASS** 6756.708 -41.39 -13 -28.39 Vertical



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4 FirstNet (788-798MHz paired with 758-768MHz)

4.1 AGC threshold level

Test Conf.	AGC Threshold level	
DL_1S_M_AWGN_AWGN	0.05dBm	



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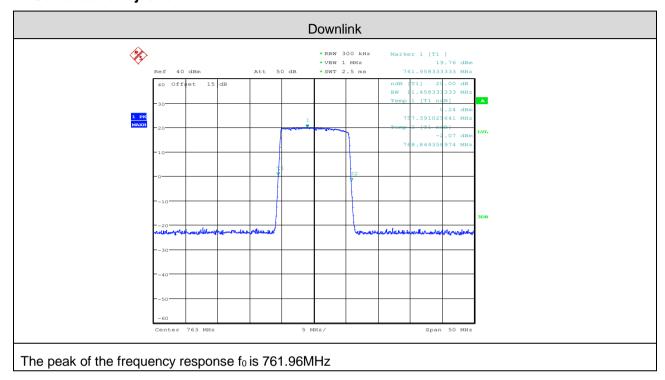
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4.2 Out-of-band rejection





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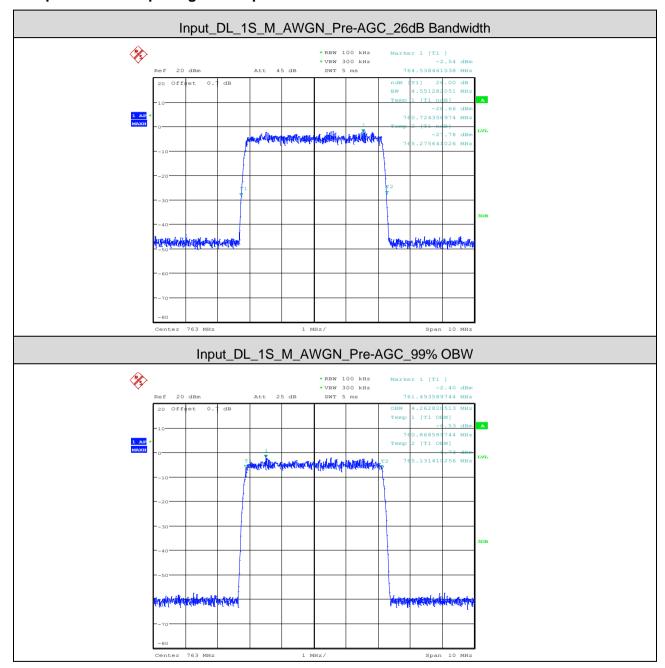
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4.3 Input-versus-output signal comparison





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