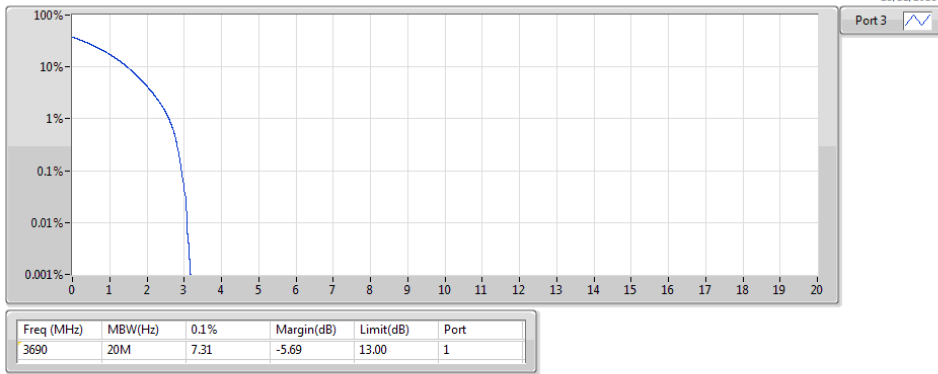


Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

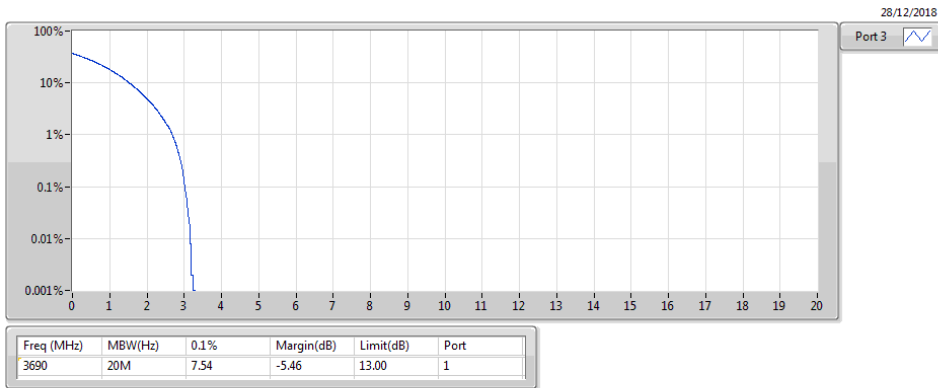
P#3690MHz,#3670MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

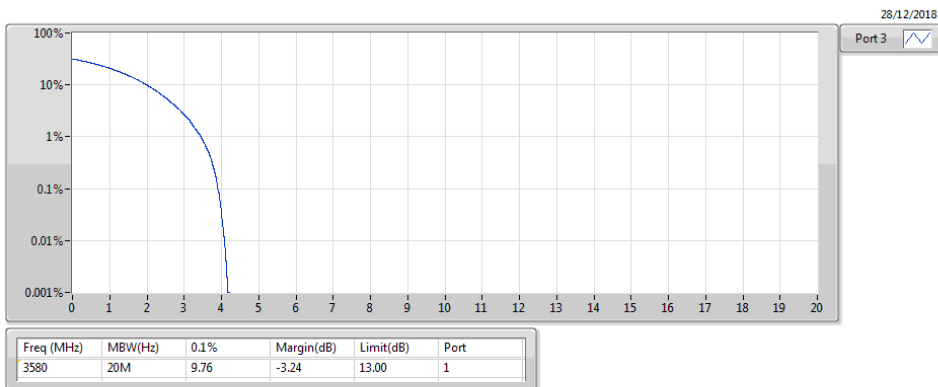
P#3690MHz,#3560MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

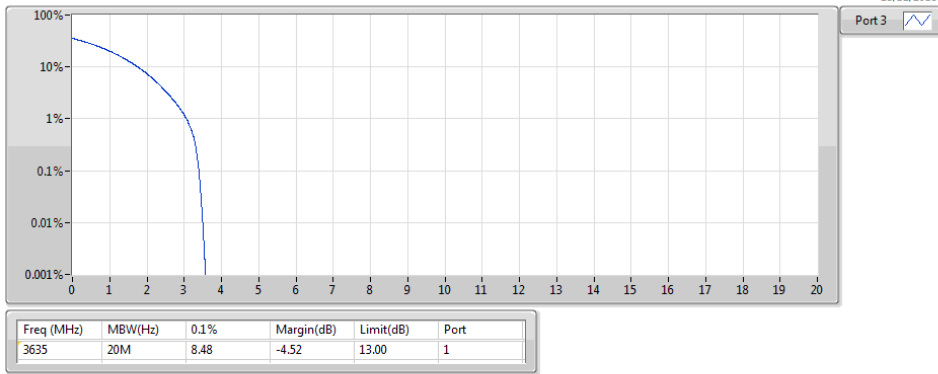
P#3580MHz,#3560MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

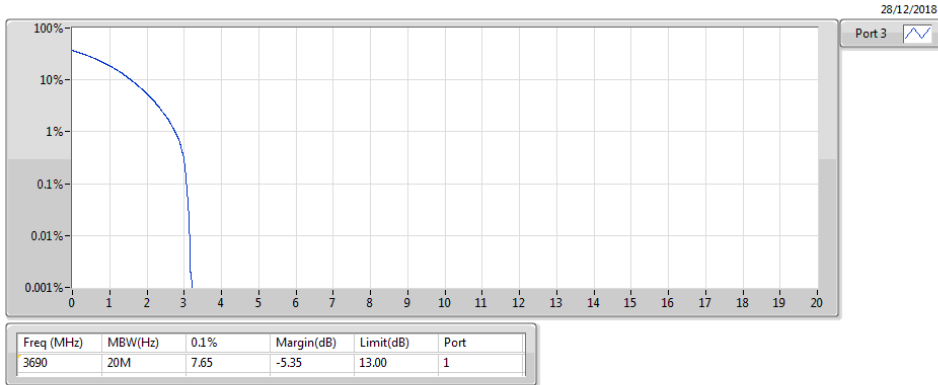
P#3635MHz,#3615MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

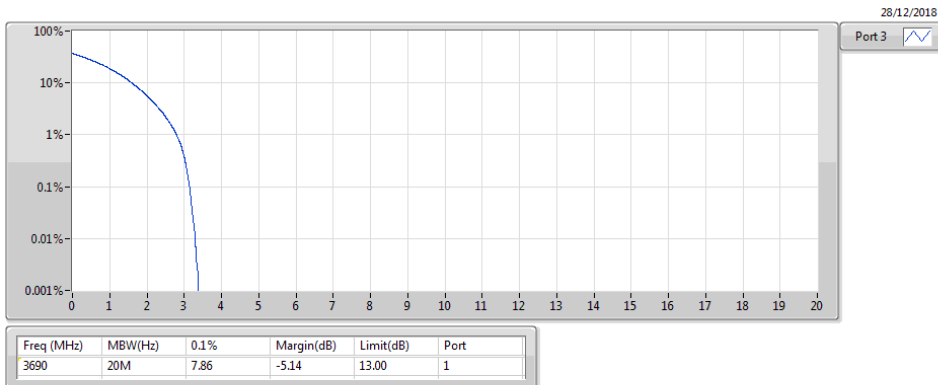
P#3690MHz,#3670MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

P#3690MHz,#3560MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0





<Multi-carrier and/or CA>

Summary

Mode	Result	Freq (MHz)	0.1%	Margin	Limit (dB)	Port
Band 48	-	-	-		-	-
Band 48_LTE_20MHz+20MHz_QPSK_4TX	Pass	3690	8.45	4.55	13.00	4
Band 48_LTE_20MHz+20MHz_16QAM_4TX	Pass	3690	8.85	4.15	13.00	4
Band 48_LTE_20MHz+20MHz_64QAM_4TX	Pass	3580	7.82	5.18	13.00	4

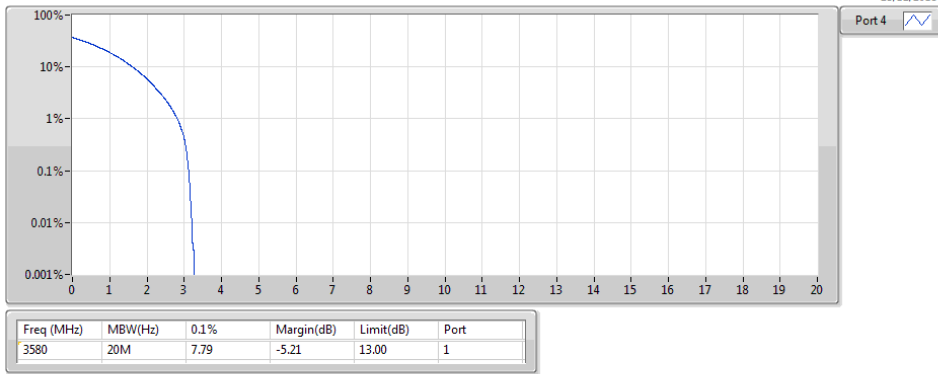
Result

Mode	Result	Freq (MHz)	0.1%	Margin	Limit (dB)	Port
LTE_20MHz+20MHz_QPSK_4TX	-	-	-		-	-
P#3580MHz,#3560MHz	Pass	3580	7.79	5.21	13.00	4
P#3635MHz,#3615MHz	Pass	3635	7.75	5.25	13.00	4
P#3690MHz,#3670MHz	Pass	3690	7.93	5.07	13.00	4
P#3690MHz,#3560MHz	Pass	3690	8.45	4.55	13.00	4
LTE_20MHz+20MHz_16QAM_4TX	-	-	-		-	-
P#3580MHz,#3560MHz	Pass	3580	7.78	5.22	13.00	4
P#3635MHz,#3615MHz	Pass	3635	7.28	5.72	13.00	4
P#3690MHz,#3670MHz	Pass	3690	7.23	5.77	13.00	4
P#3690MHz,#3560MHz	Pass	3690	8.85	4.15	13.00	4
LTE_20MHz+20MHz_64QAM_4TX	-	-	-		-	-
P#3580MHz,#3560MHz	Pass	3580	7.82	5.18	13.00	4
P#3635MHz,#3615MHz	Pass	3635	7.24	5.76	13.00	4
P#3690MHz,#3670MHz	Pass	3690	7.24	5.76	13.00	4
P#3690MHz,#3560MHz	Pass	3690	7.80	5.2	13.00	4

Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

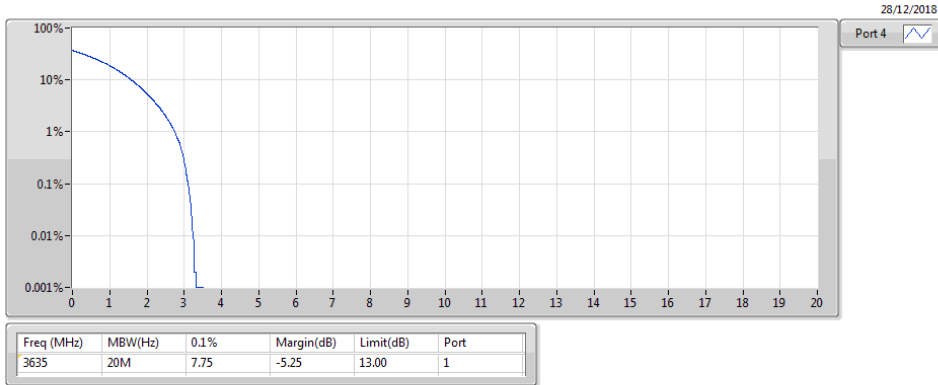
P#3580MHz,#3560MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

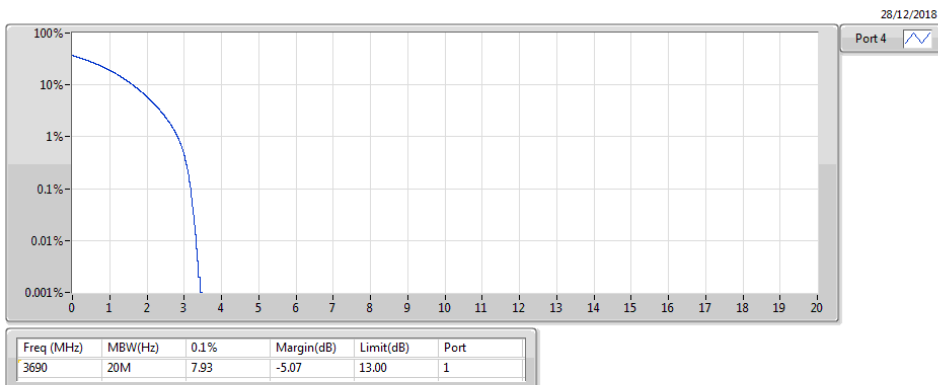
P#3635MHz,#3615MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

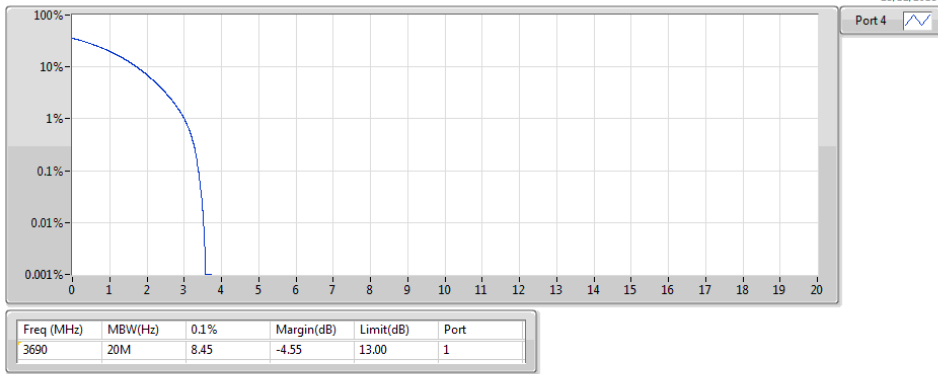
P#3690MHz,#3670MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

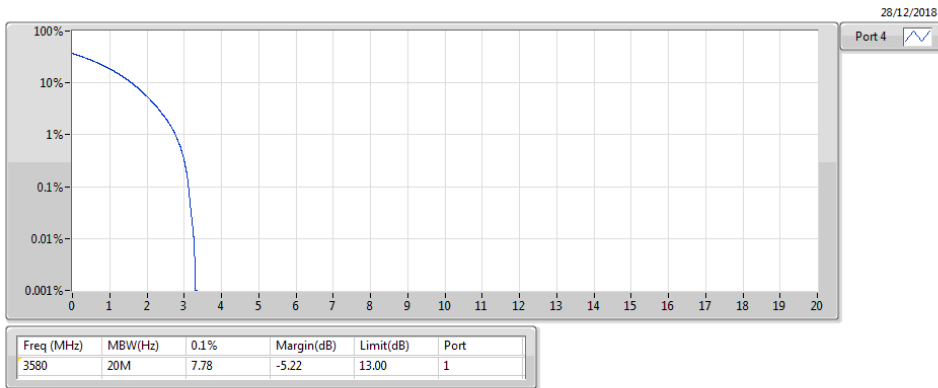
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Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

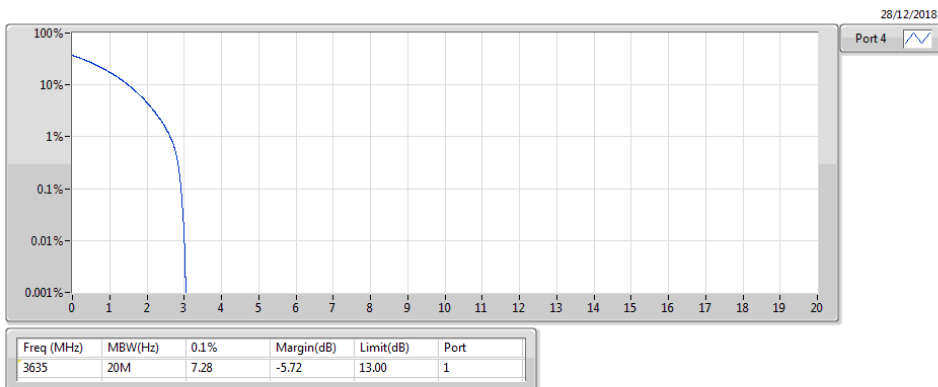
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Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

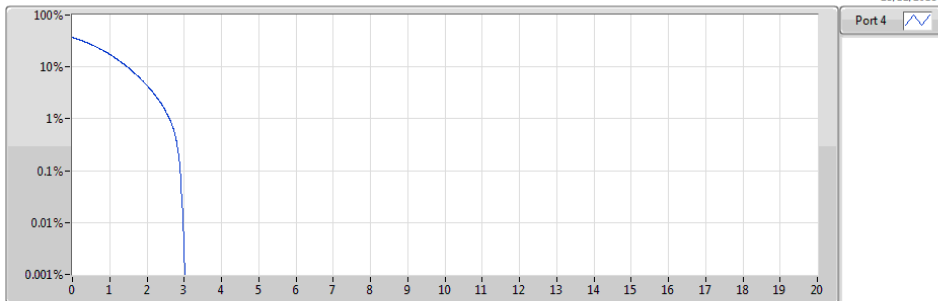
P#3635MHz,#3615MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

P#3690MHz,#3670MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0

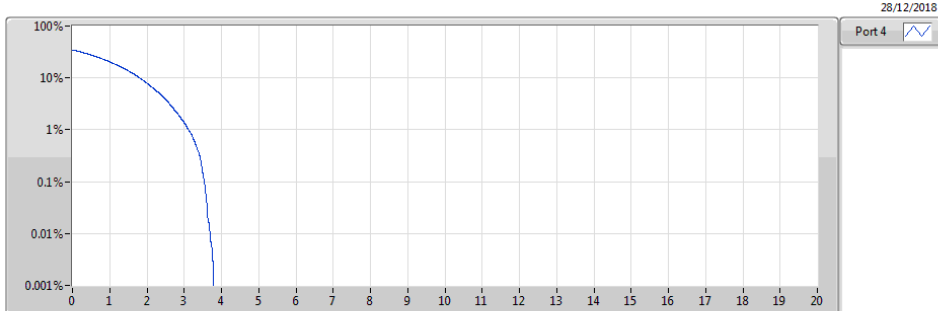


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3690	20M	7.23	-5.77	13.00	1

Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

P#3690MHz,#3560MHz_16QAM_RB 100,#RB 0+RB 100,#RB 0

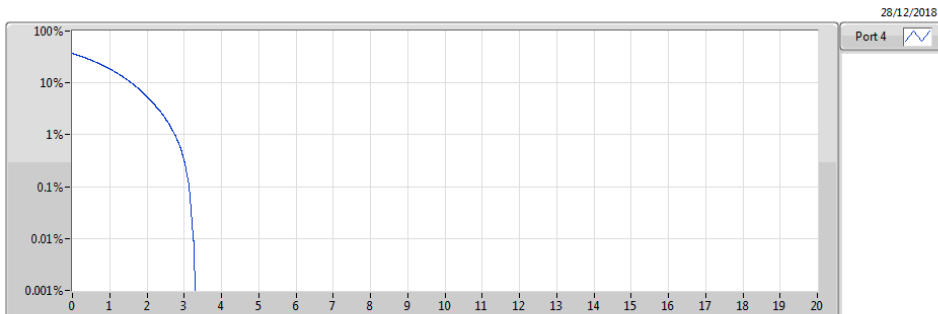


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3690	20M	8.85	-4.15	13.00	1

Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

P#3580MHz,#3560MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0

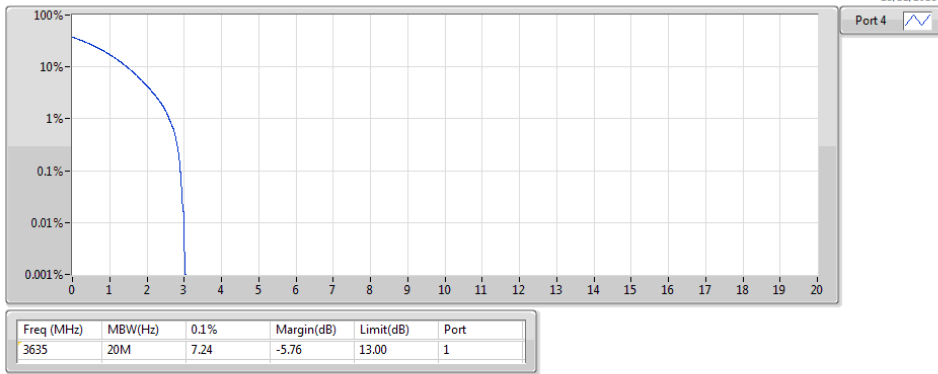


Freq (MHz)	MBW(Hz)	0.1%	Margin(dB)	Limit(dB)	Port
3580	20M	7.82	-5.18	13.00	1

Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

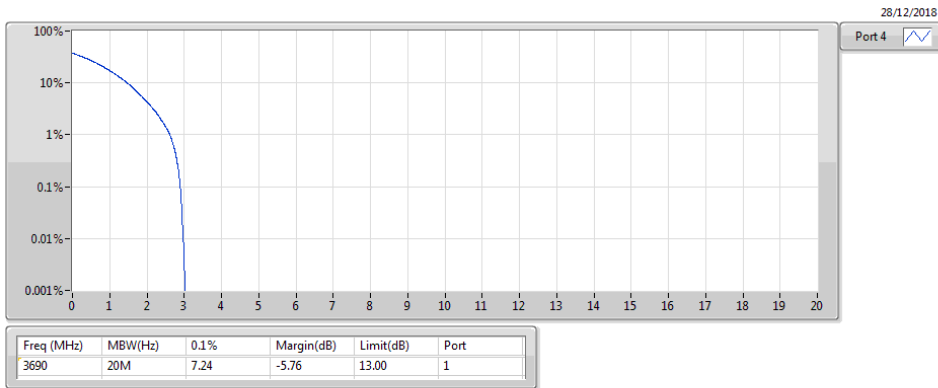
P#3635MHz,#3615MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

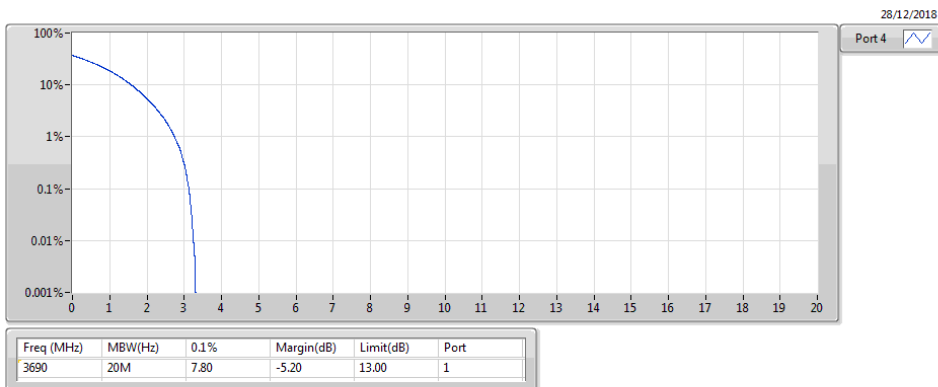
P#3690MHz,#3670MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



Band 48_LTE_20MHz+20MHz_Nss1_4TX

CCDF

P#3690MHz,#3560MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0



<Single-carrier>

Summary

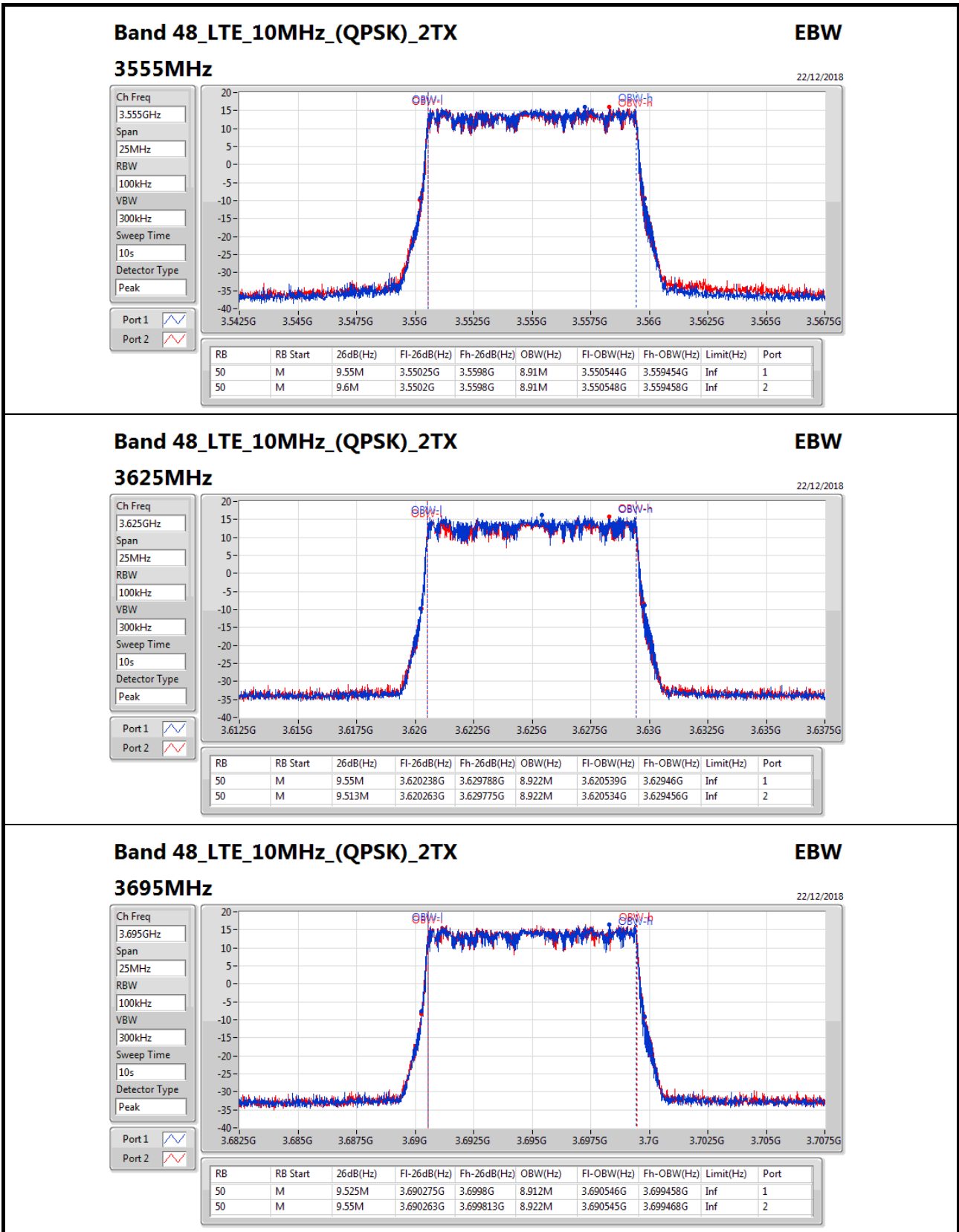
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
Band 48	-	-	-	-	-
Band 48_LTE_10MHz_(QPSK)_2TX	9.6M	8.922M	8M92G7D	9.513M	8.91M
Band 48_LTE_10MHz_(16QAM)_2TX	9.625M	8.942M	8M94W7D	9.575M	8.932M
Band 48_LTE_10MHz_(64QAM)_2TX	9.563M	8.922M	8M92W7D	9.55M	8.909M
Band 48_LTE_20MHz_(QPSK)_2TX	18.75M	17.812M	17M8G7D	18.7M	17.803M
Band 48_LTE_20MHz_(16QAM)_2TX	18.75M	17.805M	17M8W7D	18.75M	17.779M
Band 48_LTE_20MHz_(64QAM)_2TX	18.725M	17.808M	17M8W7D	18.65M	17.797M

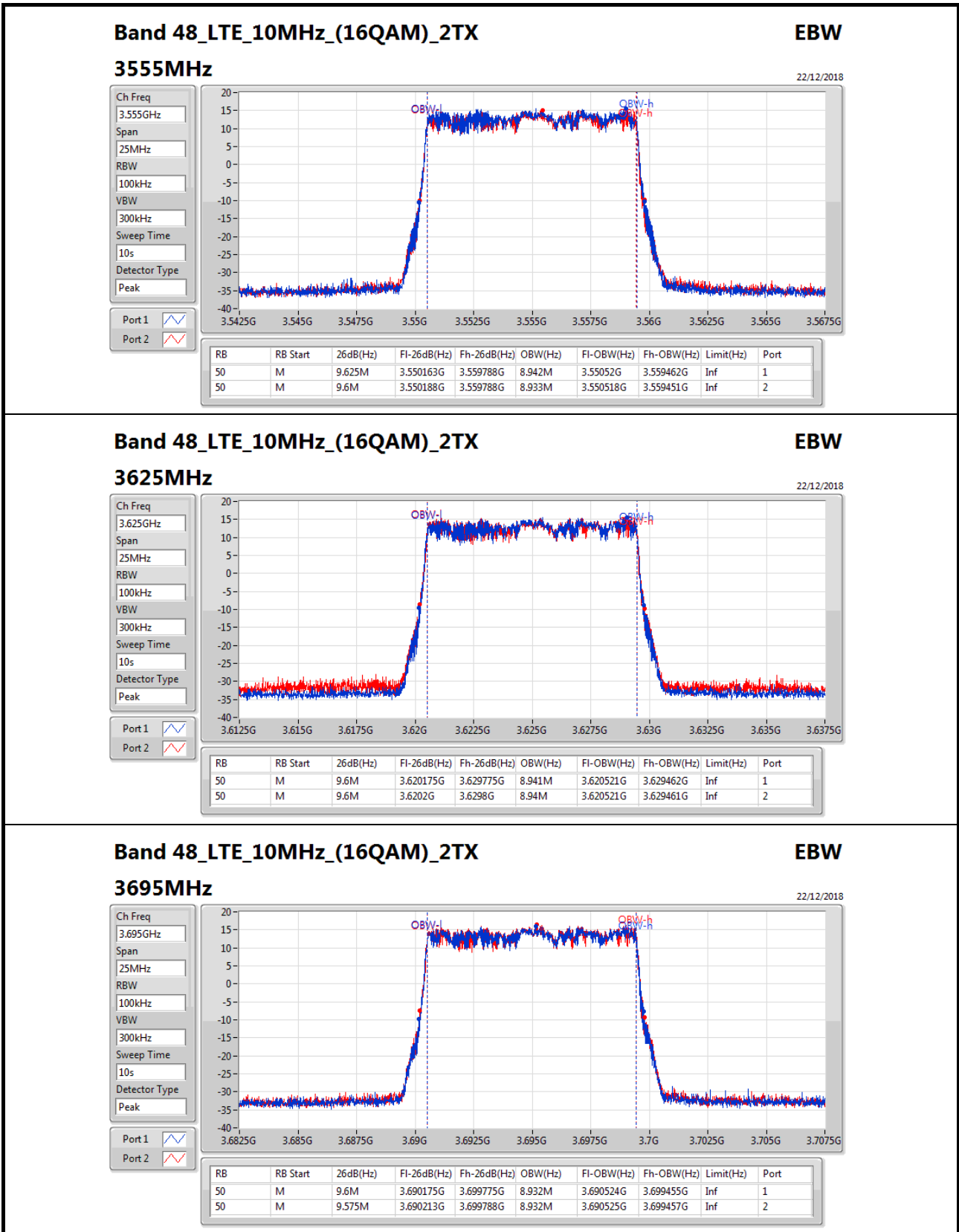
Max-N dB = Maximum26dB downbandwidth;**Max-OBW** = Maximum99% occupied bandwidth;
Min-N dB = Minimum26dB downbandwidth;**Min-OBW** = Minimum99% occupied bandwidth;

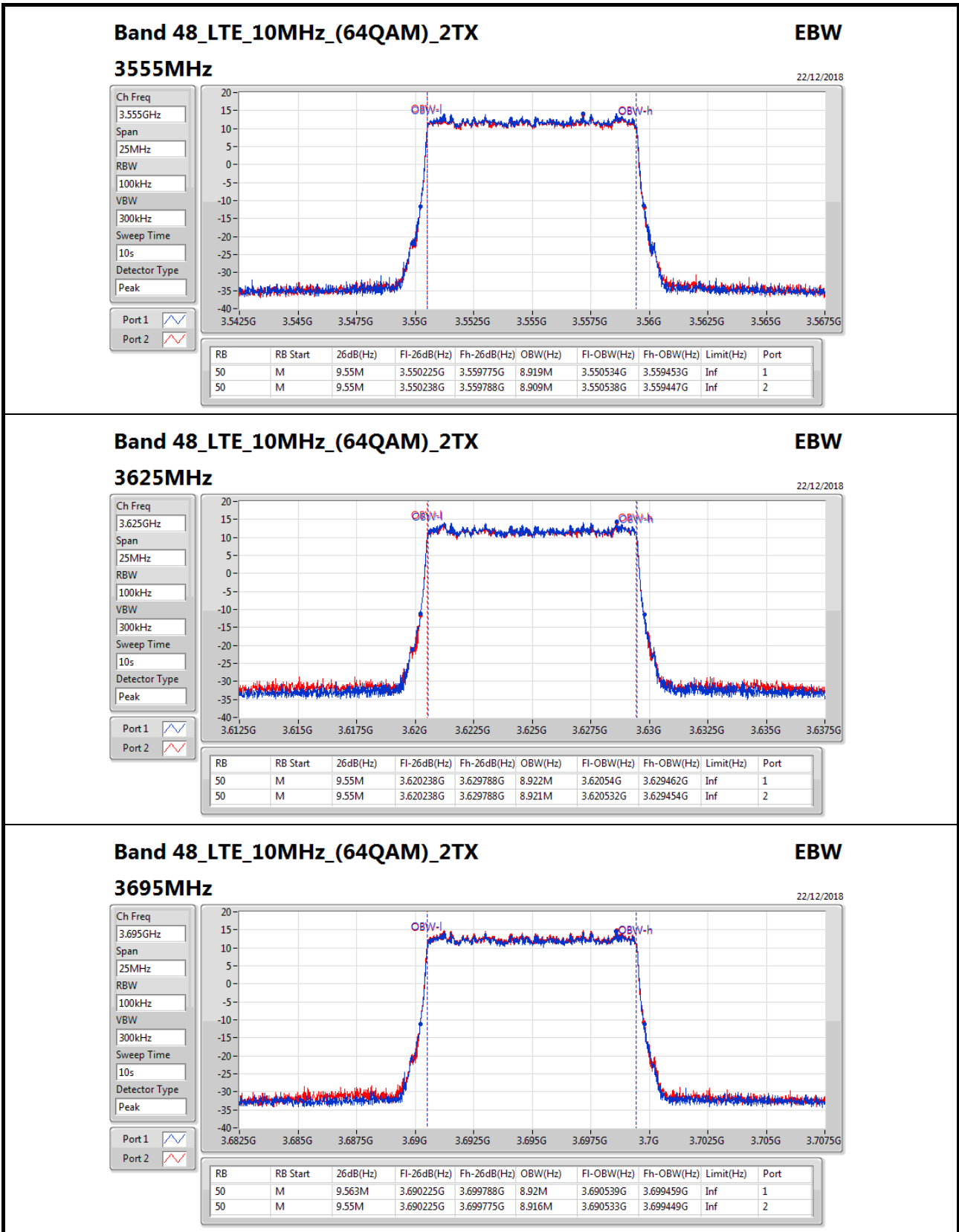
Result

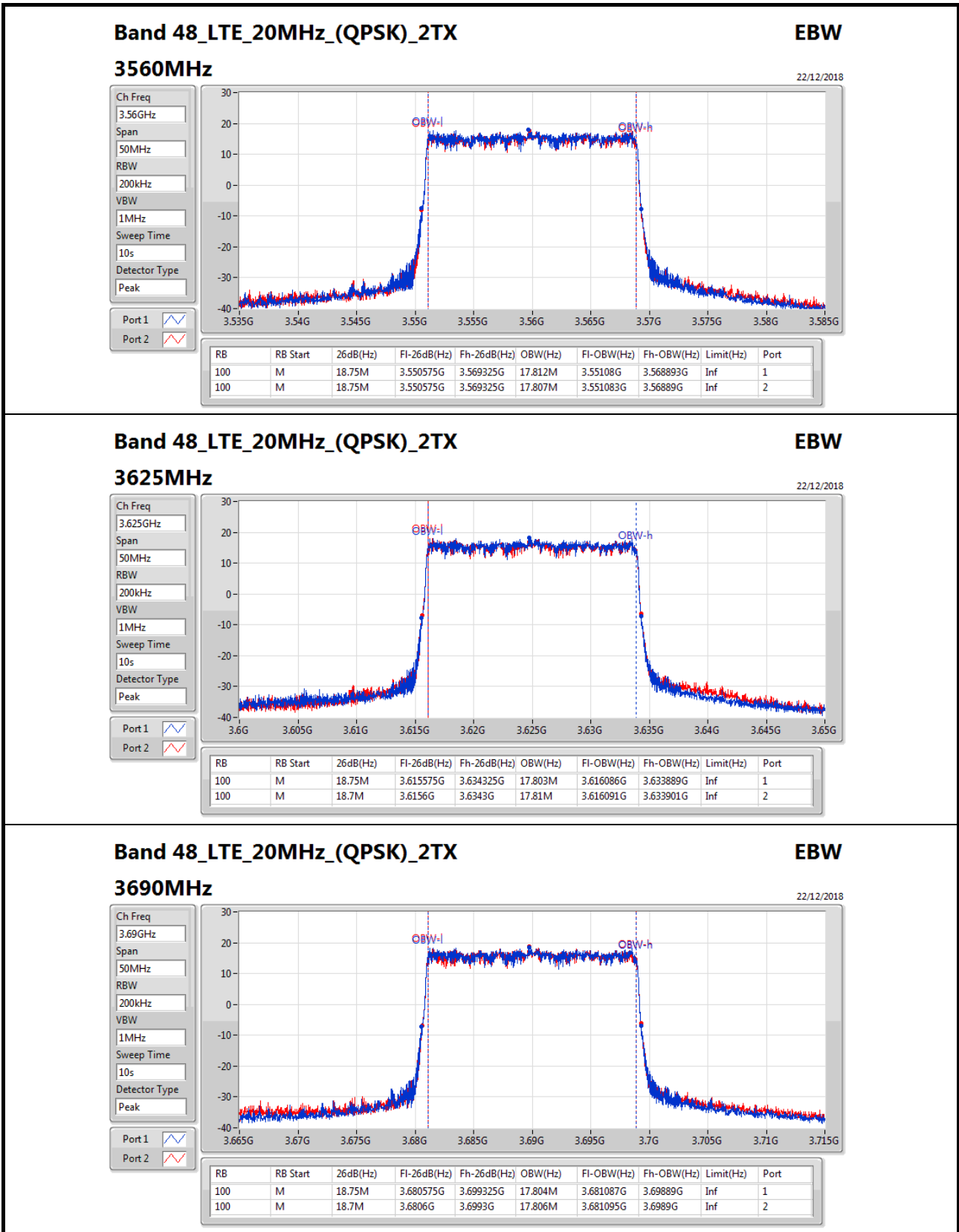
Mode	Result	RB	RB Start	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)
LTE_10MHz_(QPSK)_2TX	-	-	-	-	-	-	-
3555MHz	Pass	50	M	9.55M	8.91M	9.6M	8.91M
3625MHz	Pass	50	M	9.55M	8.922M	9.513M	8.922M
3695MHz	Pass	50	M	9.525M	8.912M	9.55M	8.922M
LTE_10MHz_(16QAM)_2TX	-	-	-	-	-	-	-
3555MHz	Pass	50	M	9.625M	8.942M	9.6M	8.933M
3625MHz	Pass	50	M	9.6M	8.941M	9.6M	8.94M
3695MHz	Pass	50	M	9.6M	8.932M	9.575M	8.932M
LTE_10MHz_(64QAM)_2TX	-	-	-	-	-	-	-
3555MHz	Pass	50	M	9.55M	8.919M	9.55M	8.909M
3625MHz	Pass	50	M	9.55M	8.922M	9.55M	8.921M
3695MHz	Pass	50	M	9.563M	8.92M	9.55M	8.916M
LTE_20MHz_(QPSK)_2TX	-	-	-	-	-	-	-
3560MHz	Pass	100	M	18.75M	17.812M	18.75M	17.807M
3625MHz	Pass	100	M	18.75M	17.803M	18.7M	17.81M
3690MHz	Pass	100	M	18.75M	17.804M	18.7M	17.806M
LTE_20MHz_(16QAM)_2TX	-	-	-	-	-	-	-
3560MHz	Pass	100	M	18.75M	17.801M	18.75M	17.799M
3625MHz	Pass	100	M	18.75M	17.805M	18.75M	17.793M
3690MHz	Pass	100	M	18.75M	17.783M	18.75M	17.779M
LTE_20MHz_(64QAM)_2TX	-	-	-	-	-	-	-
3560MHz	Pass	100	M	18.725M	17.808M	18.725M	17.799M
3625MHz	Pass	100	M	18.65M	17.808M	18.7M	17.797M
3690MHz	Pass	100	M	18.725M	17.799M	18.725M	17.807M

Port X-N dB = Port X26dB downbandwidth; **Port X-OBW** = Port X99% occupied bandwidth;









Band 48_LTE_20MHz_(QPSK)_2TX

3690MHz

22/12/2018

EBW

Ch Freq
3.69GHz

Span
50MHz

RBW
200kHz

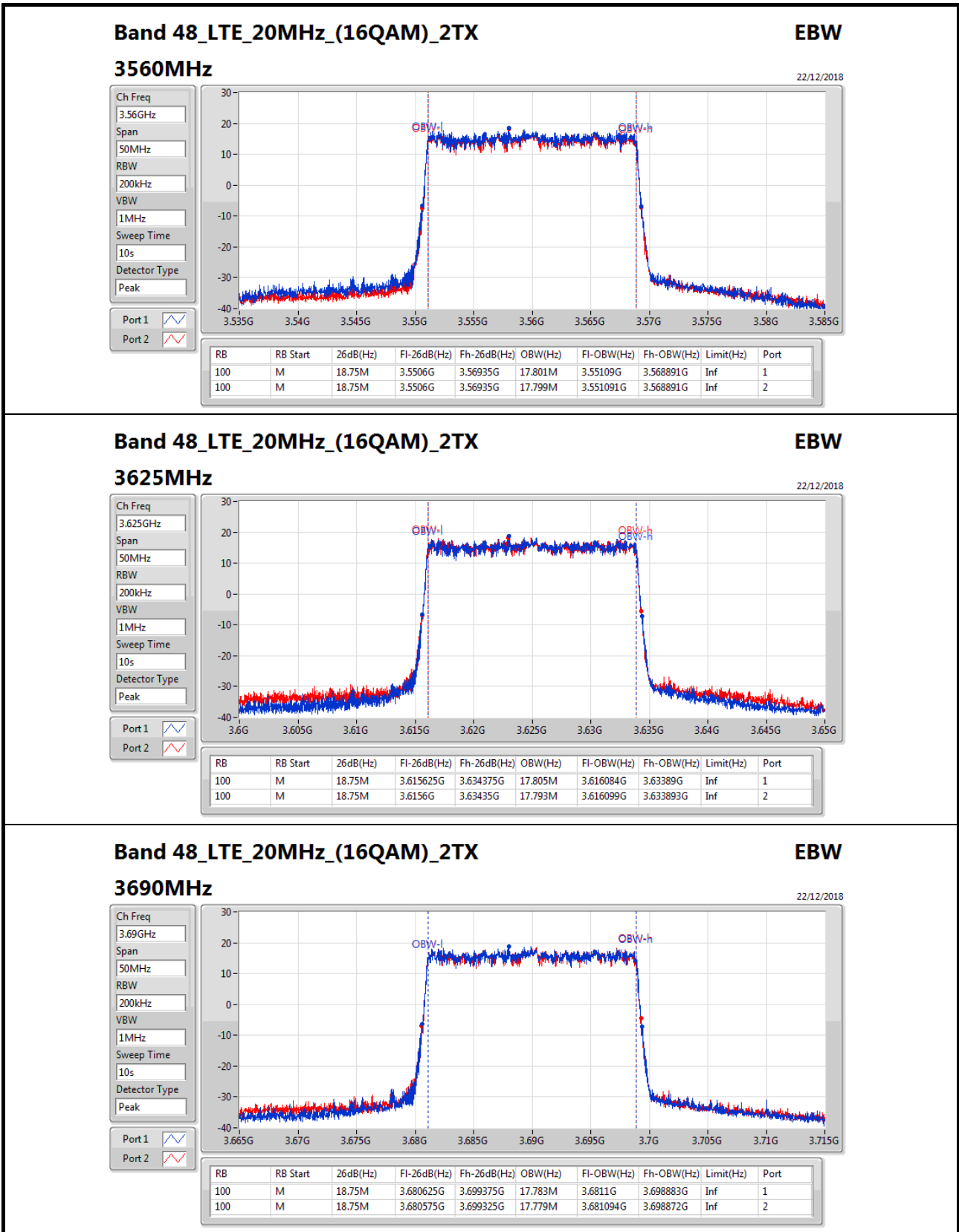
VBW
1MHz

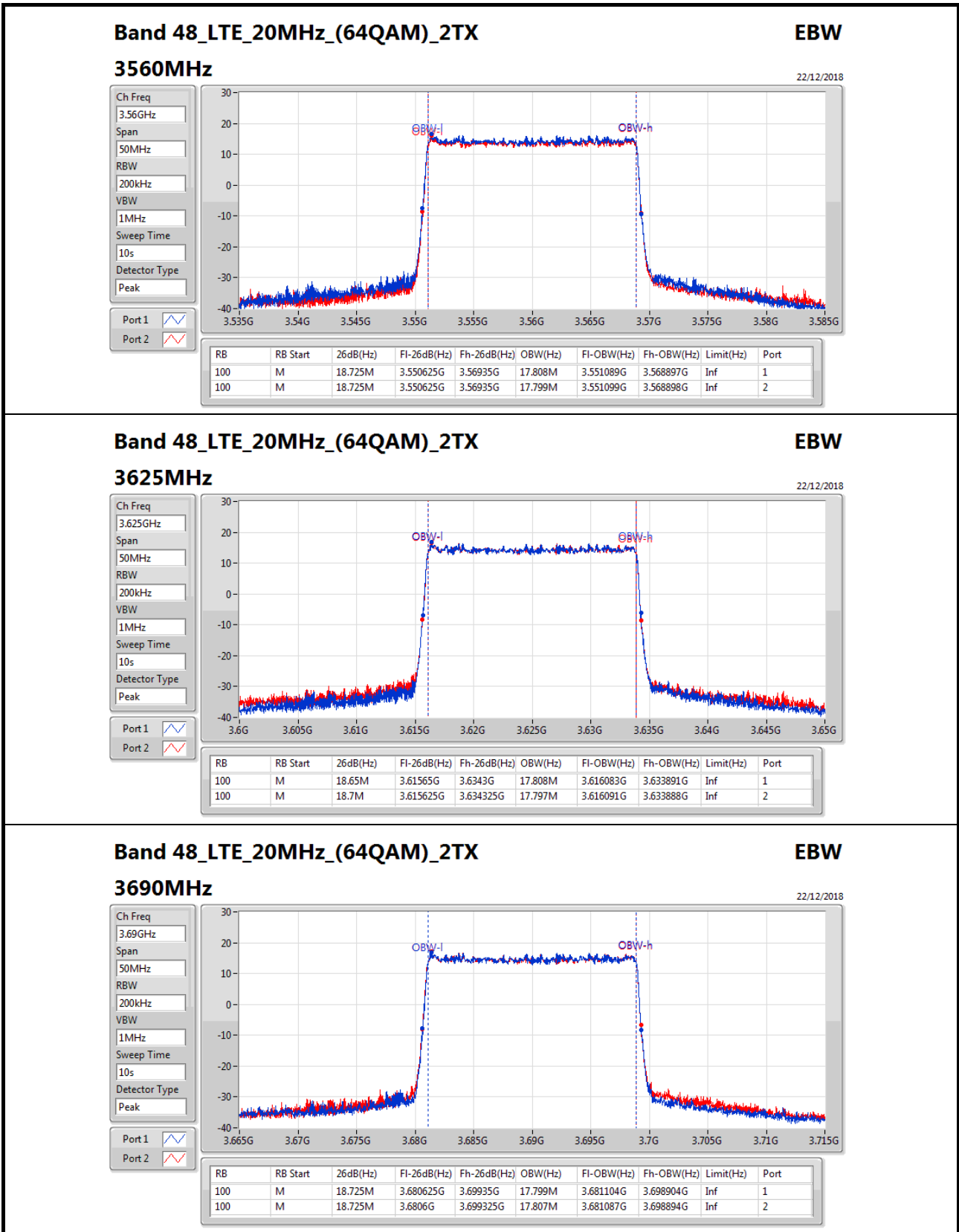
Sweep Time
10s

Detector Type
Peak

Port 1

Port 2







<Multi-carrier and/or CA>

Summary

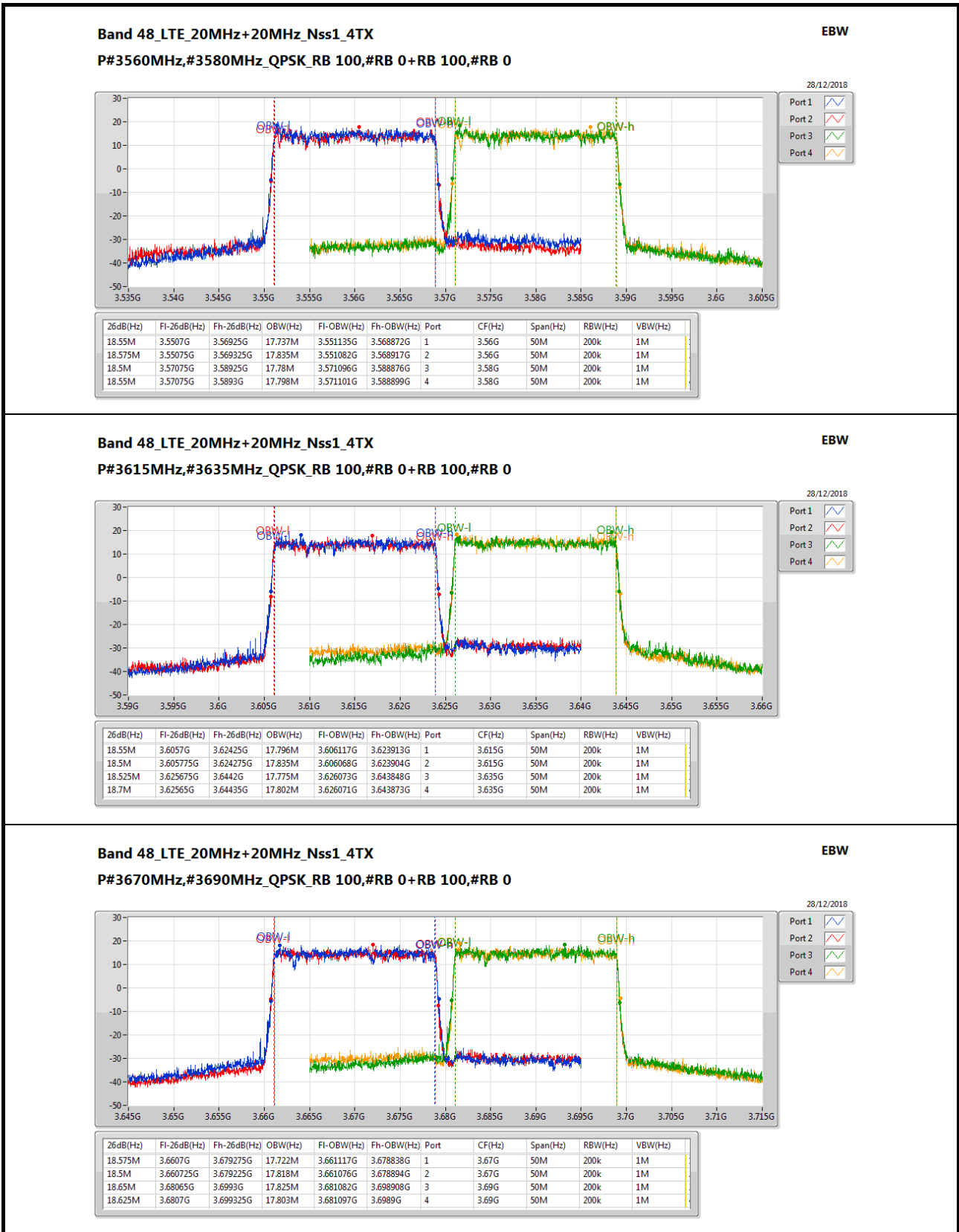
Mode	Max Sum-NdB (Hz)	Max Sum-OBW (Hz)	ITU-Code	Min Sum-NdB (Hz)	Min Sum-OBW (Hz)
Band 48	-	-	-	-	-
Band 48_LTE_20MHz+20MHz_QPSK_4TX	37.25M	35.65M	35M6G7D	37.125M	35.633M
Band 48_LTE_20MHz+20MHz_16QAM_4TX	37.425M	35.653M	35M6W7D	37.15M	35.619M
Band 48_LTE_20MHz+20MHz_64QAM_4TX	37.457M	35.624M	35M6W7D	37.35M	35.594M

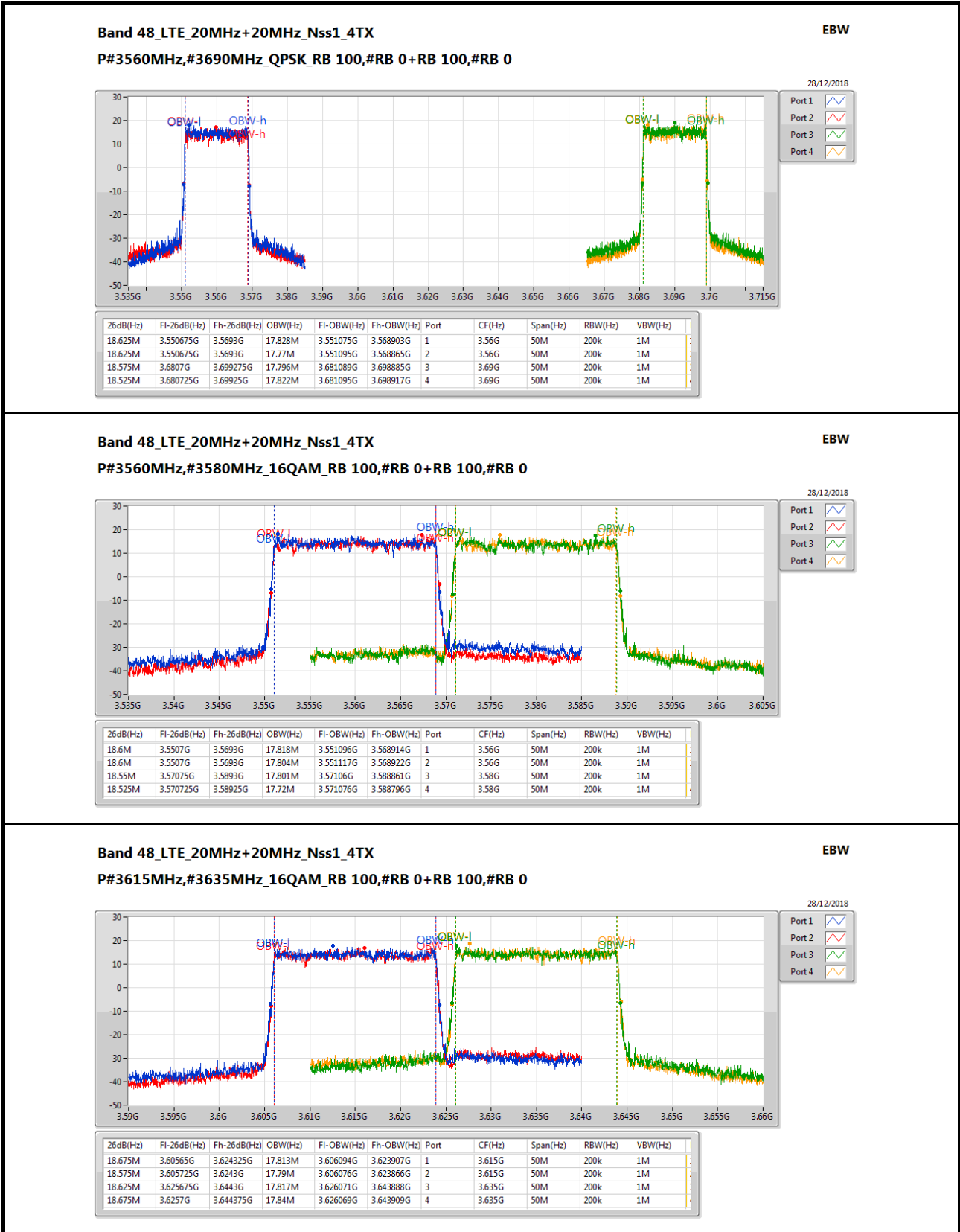
Max Sum-N dB = Maximum 26dB downbandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min Sum-N dB = Minimum 26dB downbandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

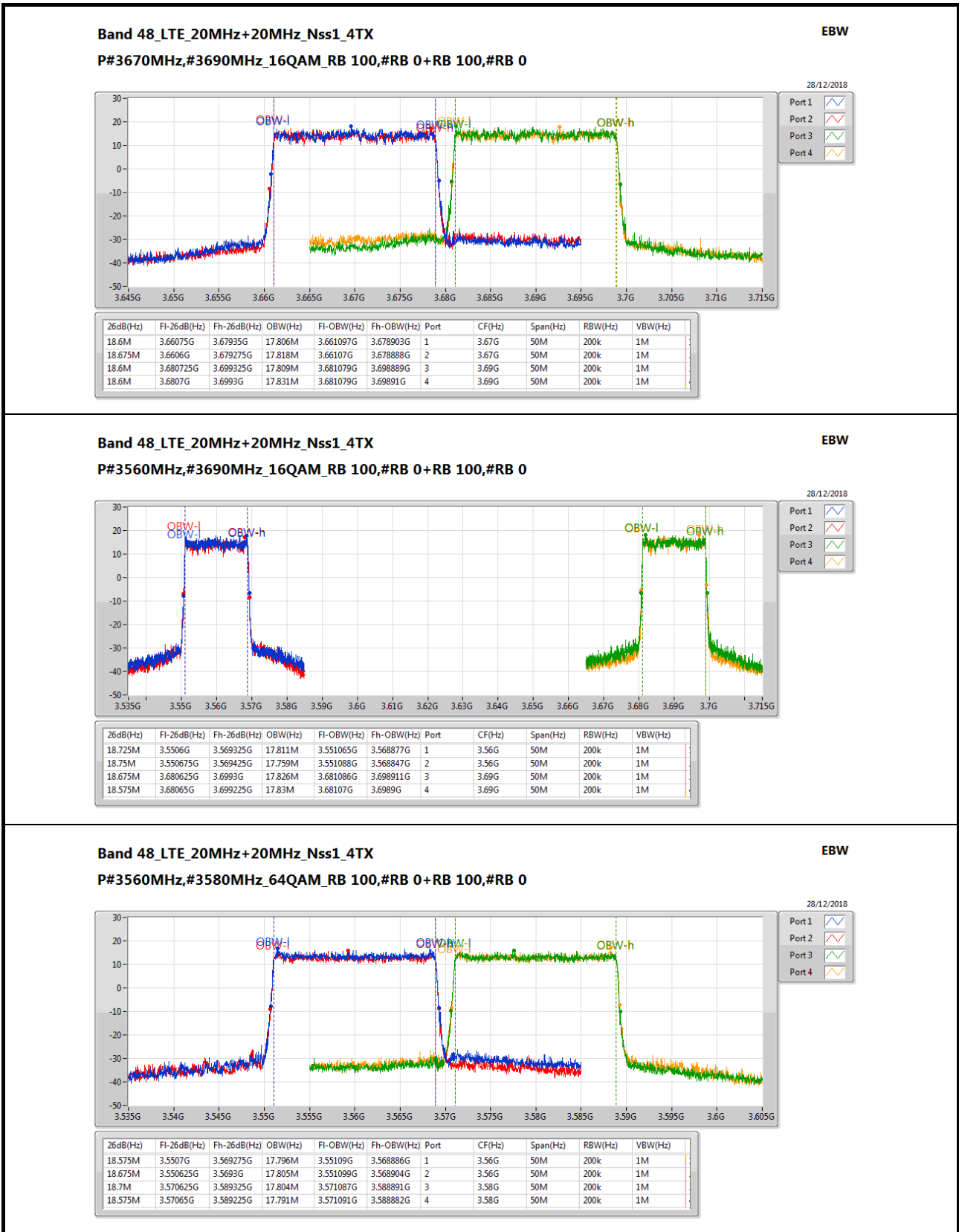
Result

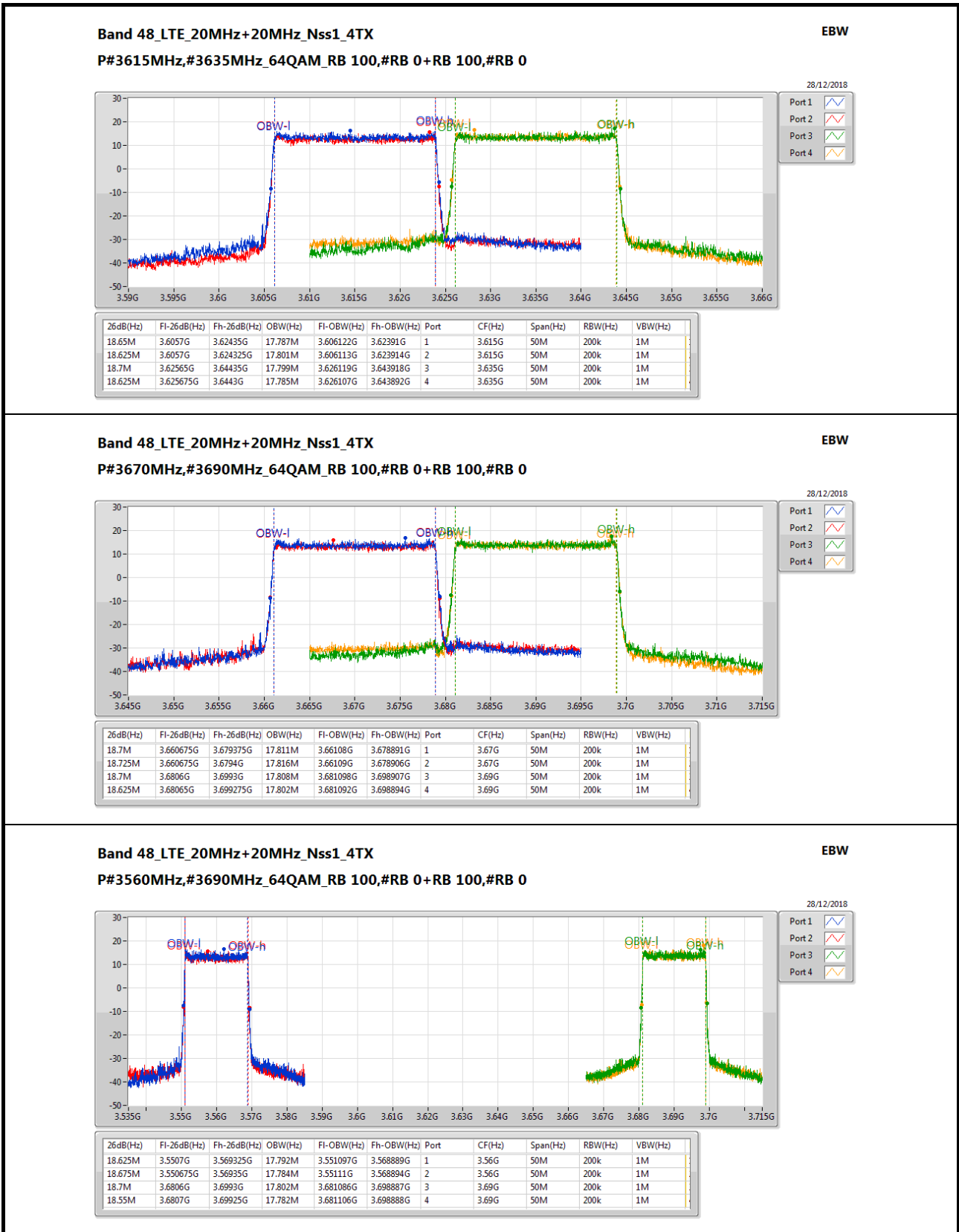
Mode	Result	Port 1-NdB (Hz)	Port 1-OBW (Hz)	Port 2-NdB (Hz)	Port 2-OBW (Hz)	Port 3-NdB (Hz)	Port 3-OBW (Hz)	Port 4-NdB (Hz)	Port 4-OBW (Hz)	Sum-NdB (Hz)	Sum-OBW (Hz)
LTE_20MHz+20MHz_QPSK_4TX	-	-	-	-	-	-	-	-	-	-	-
P#3560MHz,#3580MHz	Pass	18.55M	17.737M	18.575M	17.835M	18.5M	17.78M	18.55M	17.798M	37.125M	35.633M
P#3615MHz,#3635MHz	Pass	18.55M	17.796M	18.5M	17.835M	18.525M	17.775M	18.7M	17.802M	37.25M	35.637M
P#3670MHz,#3690MHz	Pass	18.575M	17.722M	18.5M	17.818M	18.65M	17.825M	18.625M	17.803M	37.225M	35.643M
P#3560MHz,#3690MHz	Pass	18.625M	17.828M	18.625M	17.77M	18.575M	17.796M	18.525M	17.822M	37.2M	35.65M
LTE_20MHz+20MHz_16QAM_4TX	-	-	-	-	-	-	-	-	-	-	-
P#3560MHz,#3580MHz	Pass	18.6M	17.818M	18.6M	17.804M	18.55M	17.801M	18.525M	17.72M	37.15M	35.619M
P#3615MHz,#3635MHz	Pass	18.675M	17.813M	18.575M	17.79M	18.625M	17.817M	18.675M	17.84M	37.35M	35.653M
P#3670MHz,#3690MHz	Pass	18.6M	17.806M	18.675M	17.818M	18.6M	17.809M	18.6M	17.831M	37.275M	35.649M
P#3560MHz,#3690MHz	Pass	18.725M	17.811M	18.75M	17.759M	18.675M	17.826M	18.575M	17.83M	37.425M	35.641M
LTE_20MHz+20MHz_64QAM_4TX	-	-	-	-	-	-	-	-	-	-	-
P#3560MHz,#3580MHz	Pass	18.575M	17.796M	18.675M	17.805M	18.7M	17.804M	18.575M	17.791M	37.375M	35.609M
P#3615MHz,#3635MHz	Pass	18.65M	17.787M	18.625M	17.801M	18.7M	17.799M	18.625M	17.785M	37.35M	35.6M
P#3670MHz,#3690MHz	Pass	18.7M	17.811M	18.725M	17.816M	18.7M	17.808M	18.625M	17.802M	37.425M	35.624M
P#3560MHz,#3690MHz	Pass	18.625M	17.792M	18.675M	17.784M	18.7M	17.802M	18.55M	17.782M	37.457M	35.594M

Port X-N dB = Port X 26dB downbandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;









Band 48_LTE_20MHz+20MHz_Nss1_4TX

P#3560MHz,#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0

EBW

28/12/2018

Port 1 ↘

Port 2 ↘

Port 3 ↘

Port 4 ↘

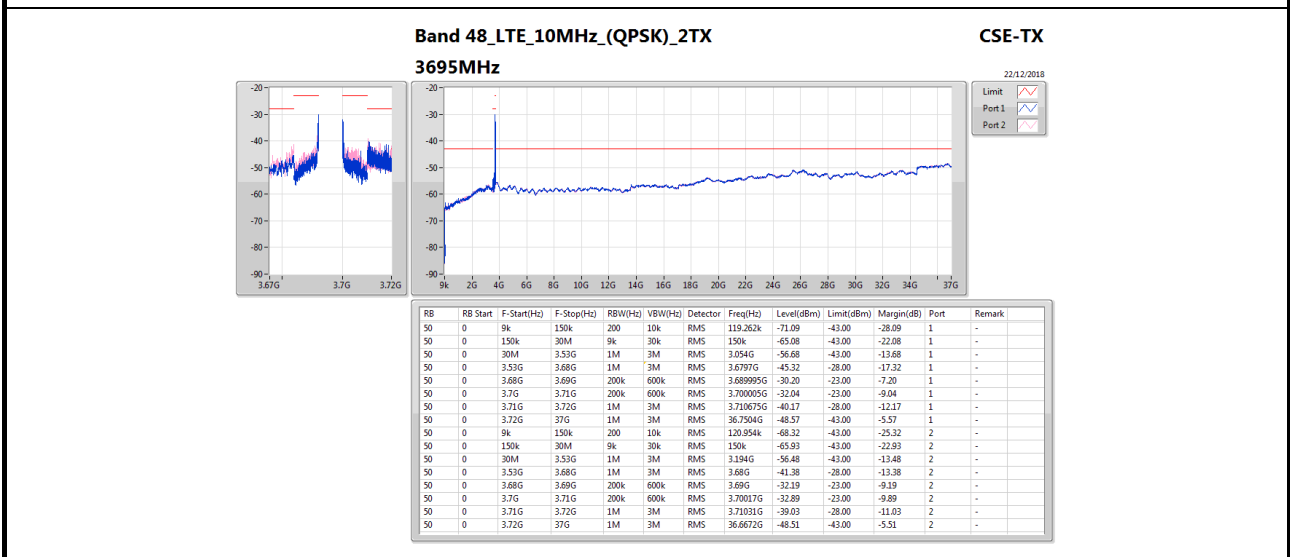
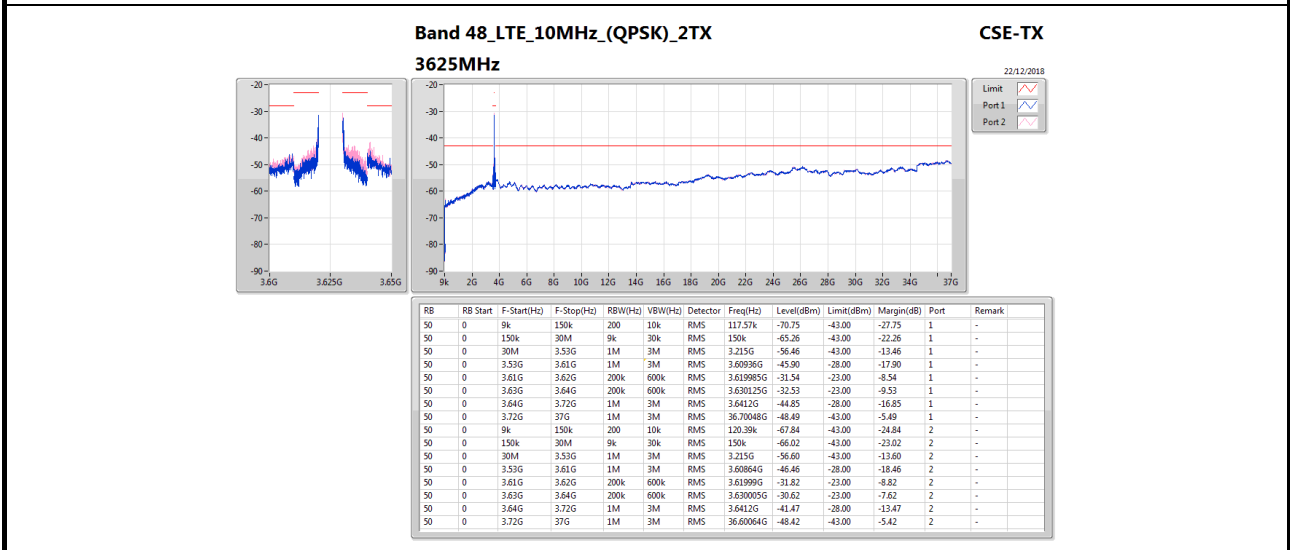
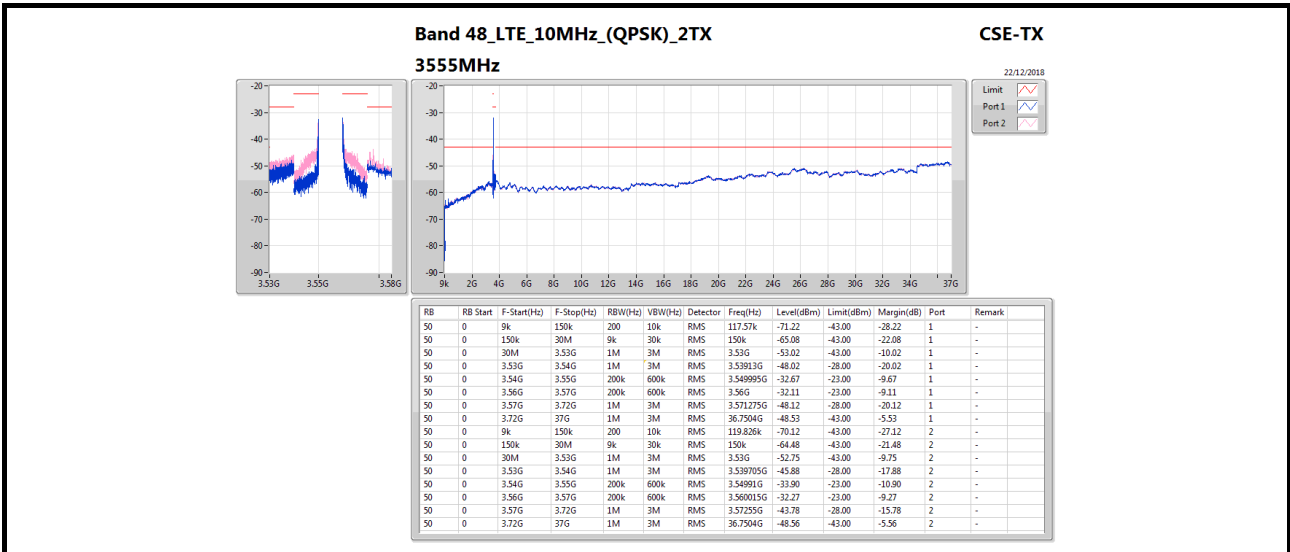


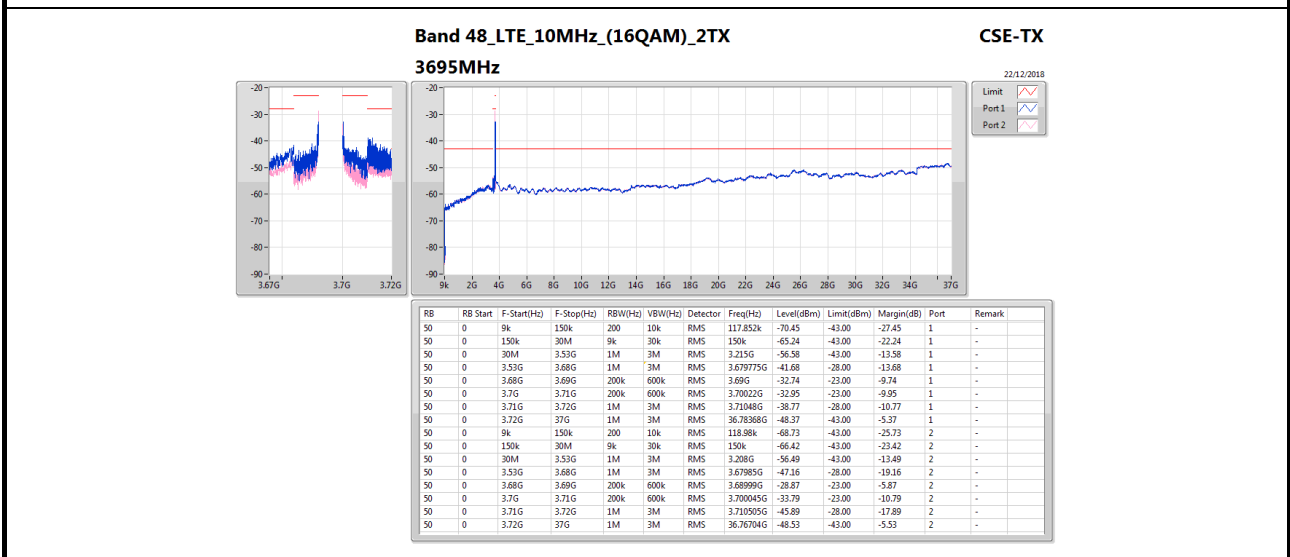
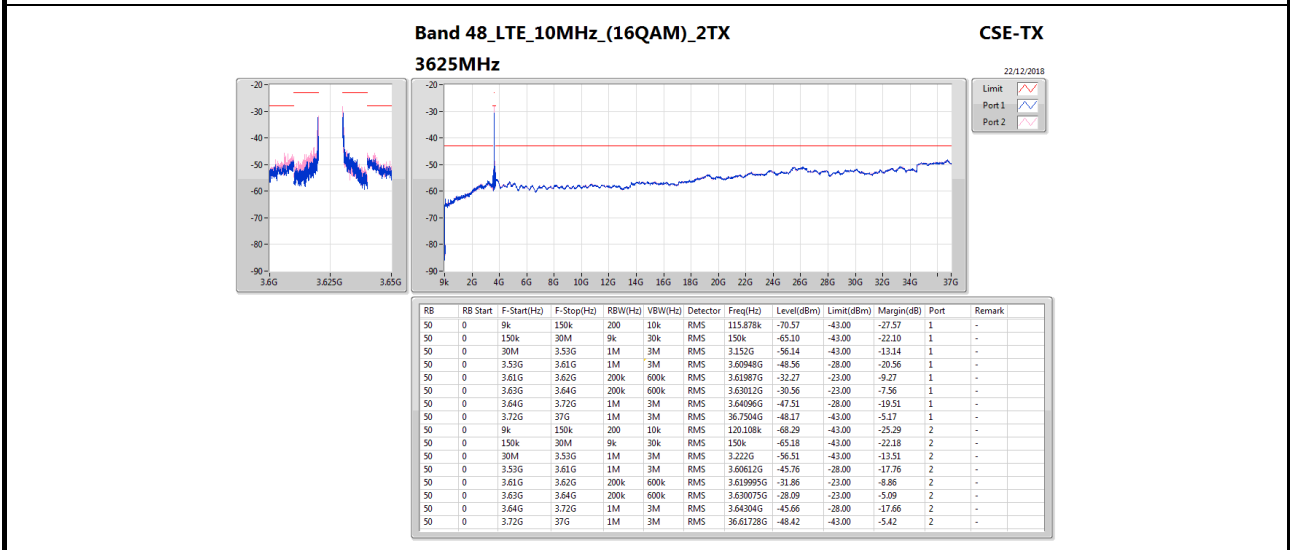
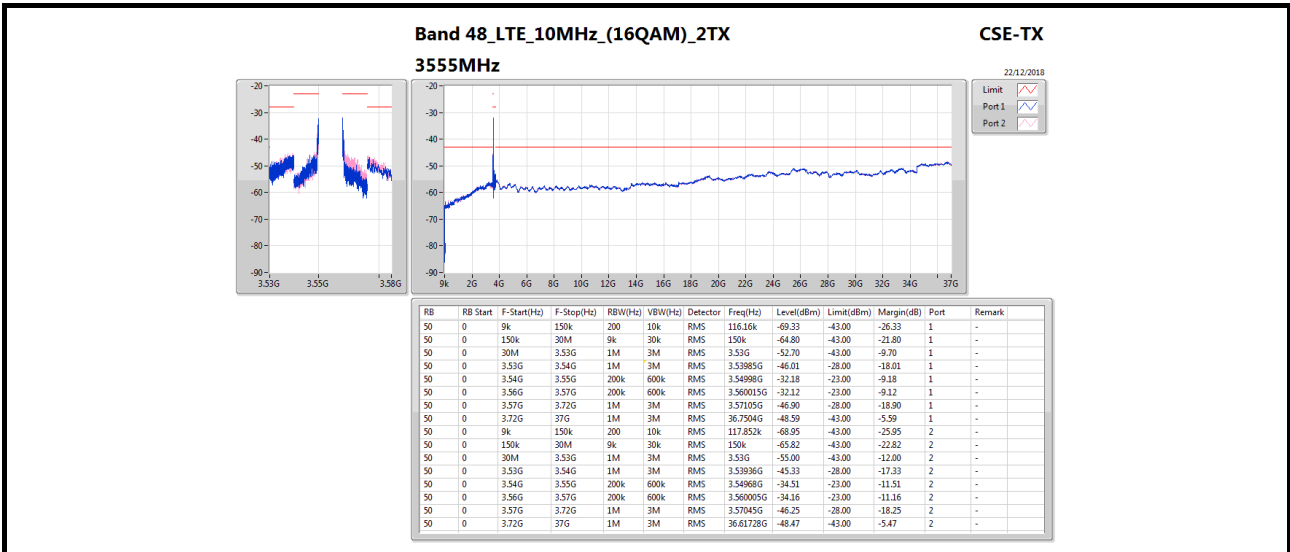
<Single-carrier>

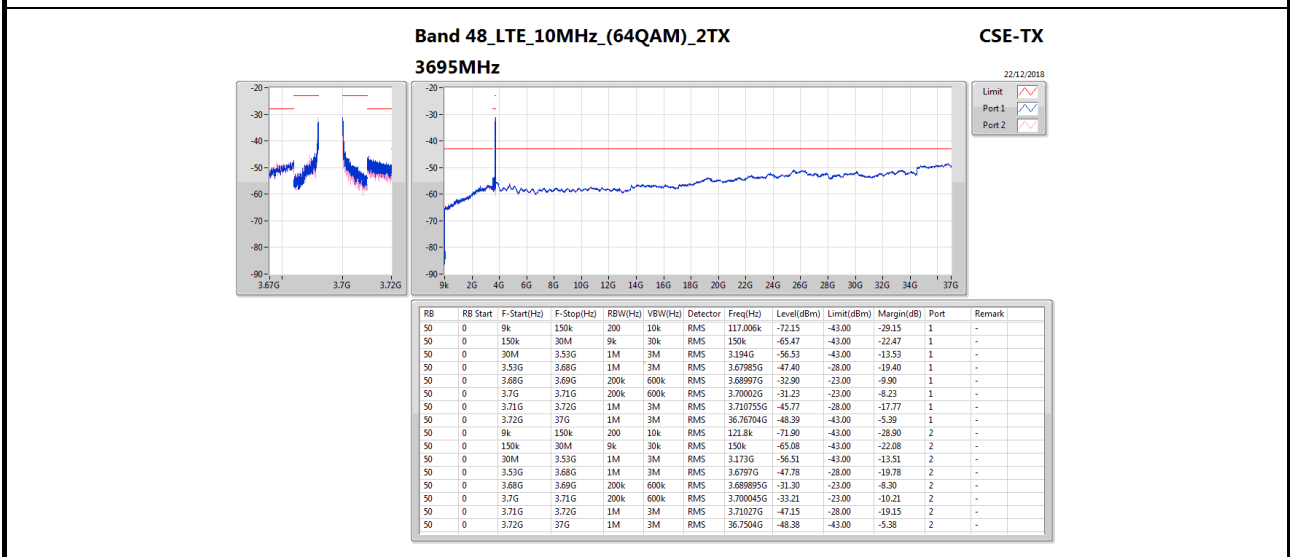
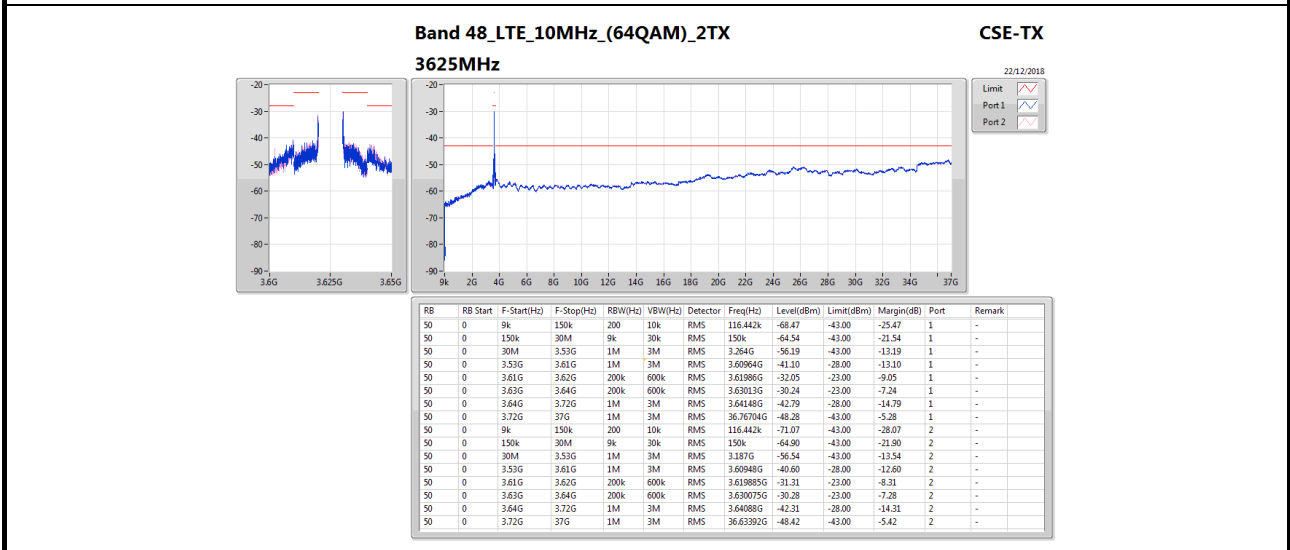
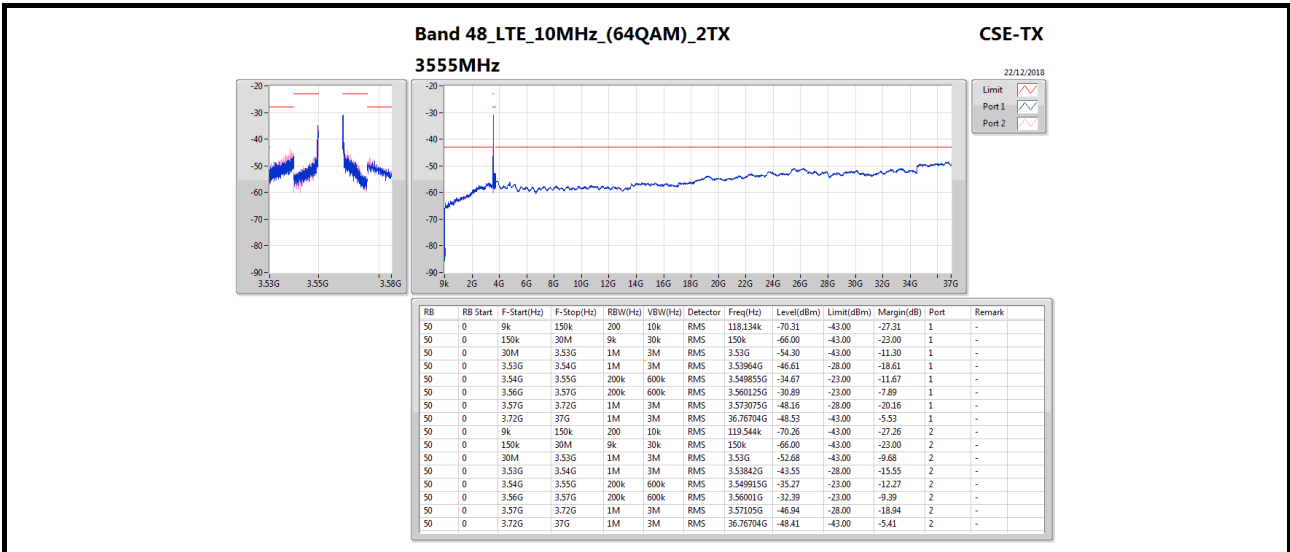
Summary

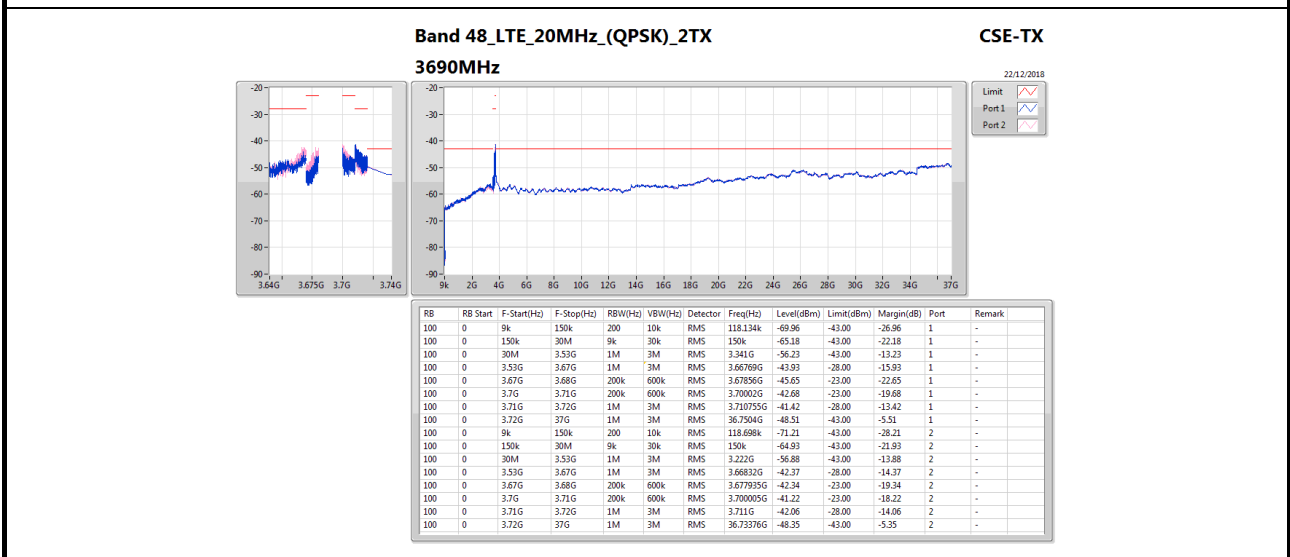
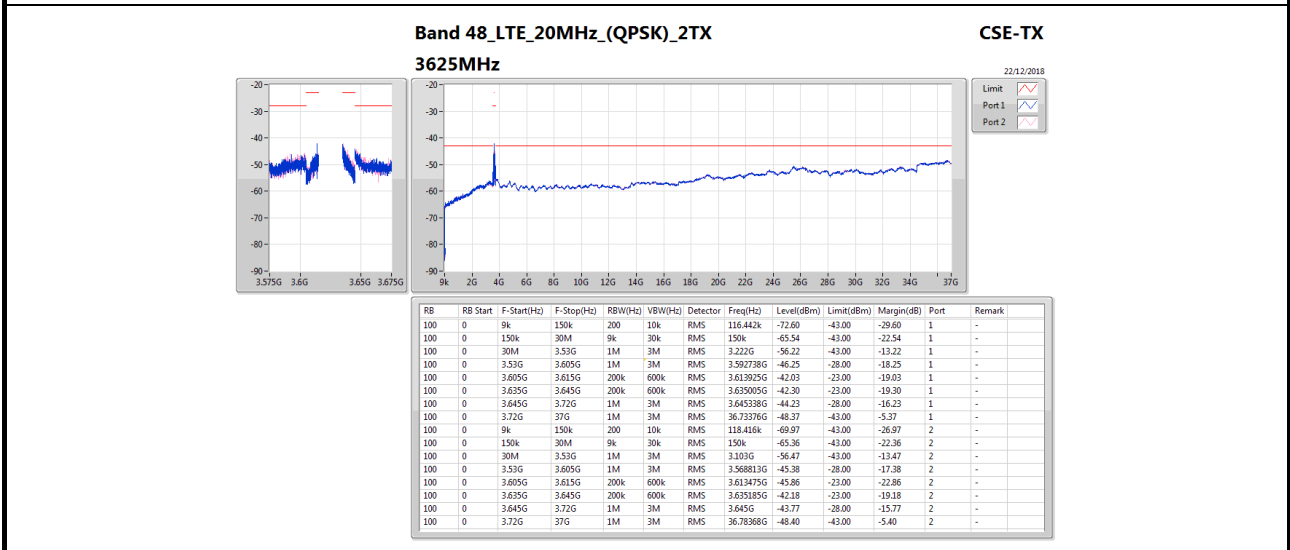
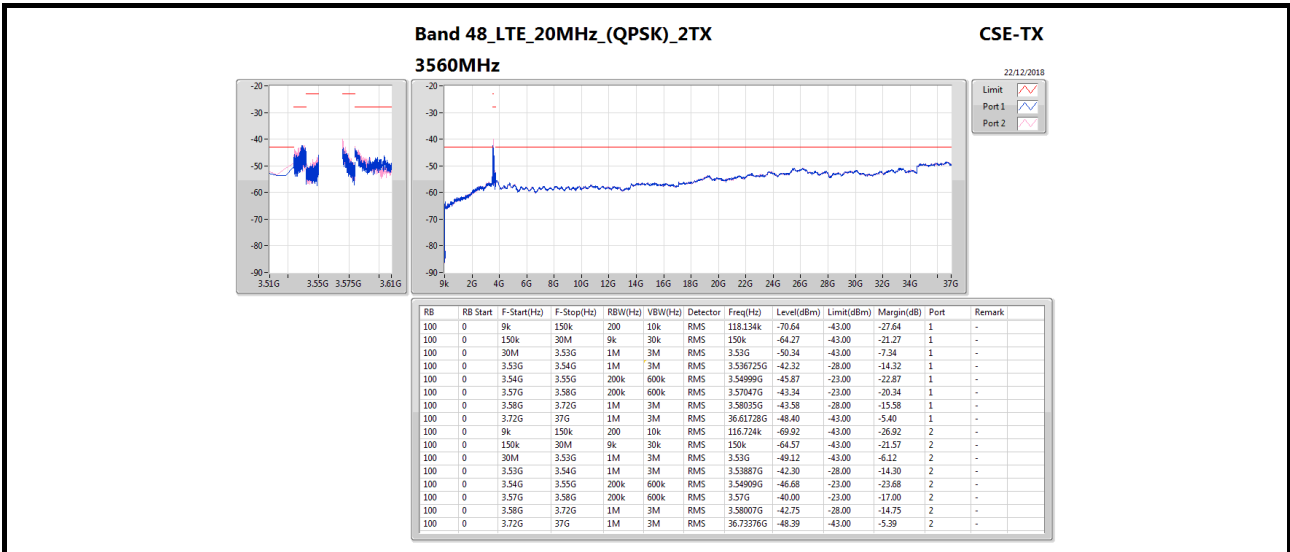
Mode	Result	RB	RB Start	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Loss (dB)	Port	Remark
Band 48	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Band 48_LTE_10MHz_(16QAM)_2TX	Pass	50	0	3.63G	3.64G	200k	RMS	3.630075G	-28.09	-23.00	-5.09	22.35	2	-

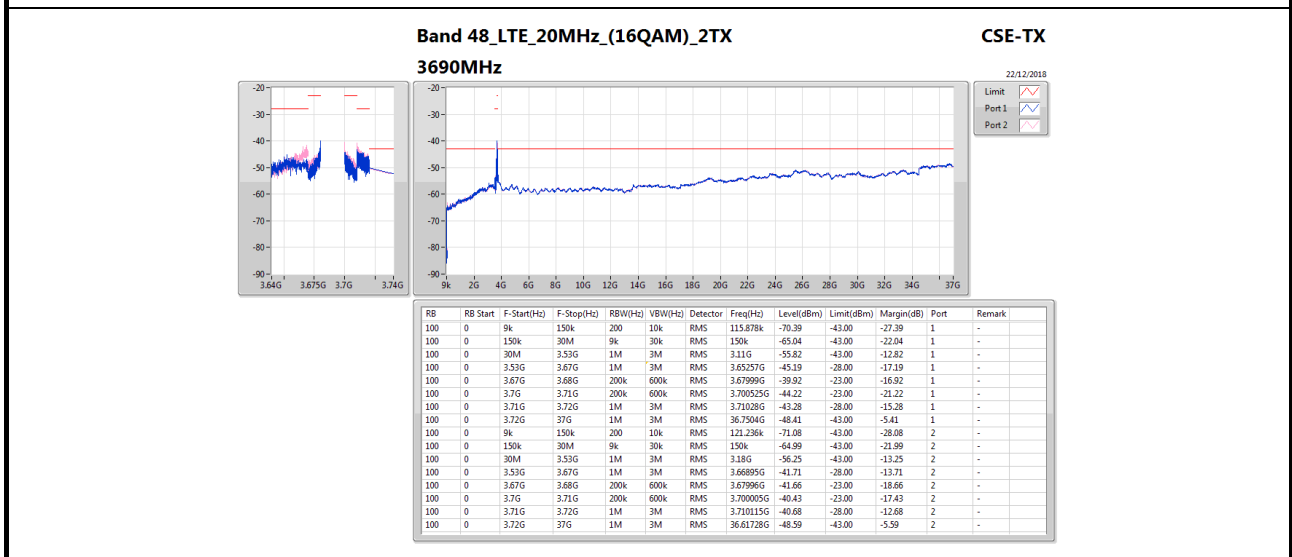
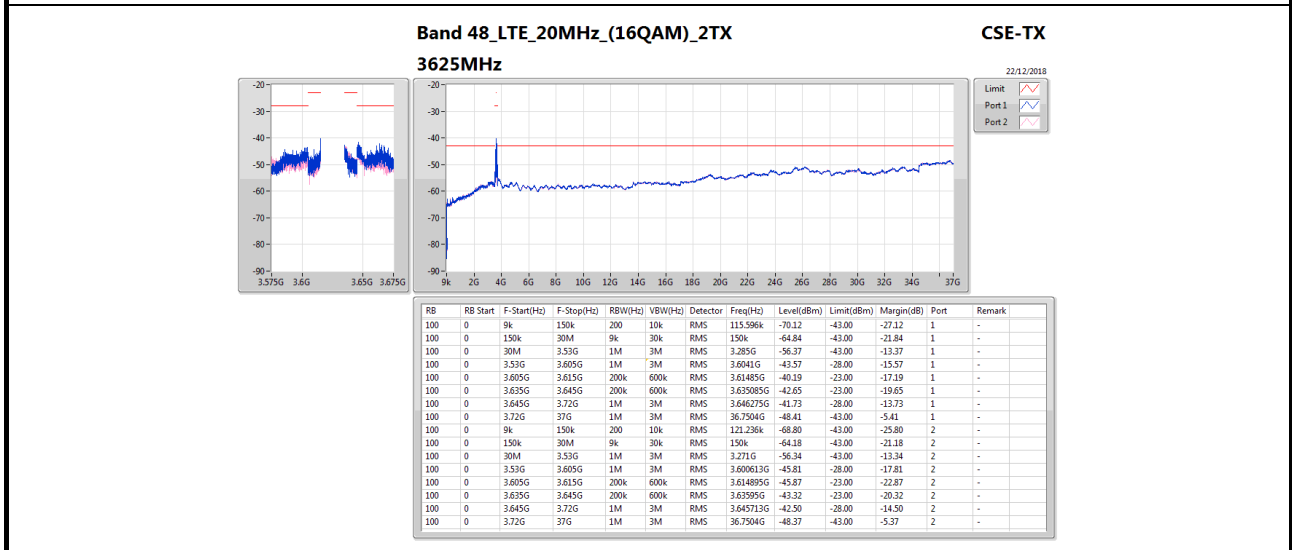
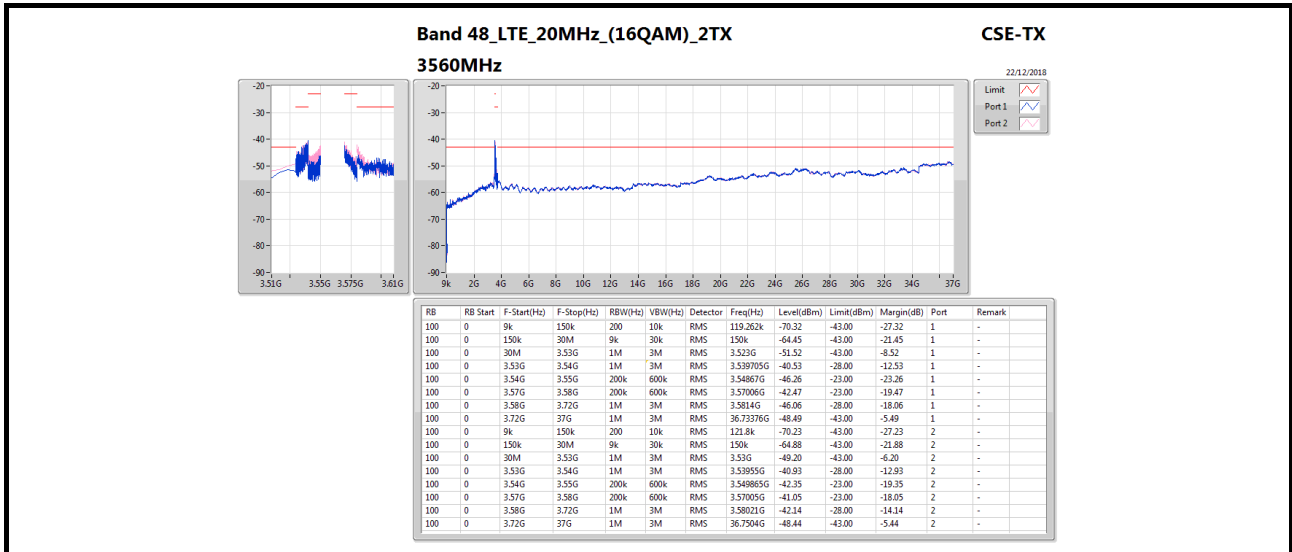
DG = Directional Gain;

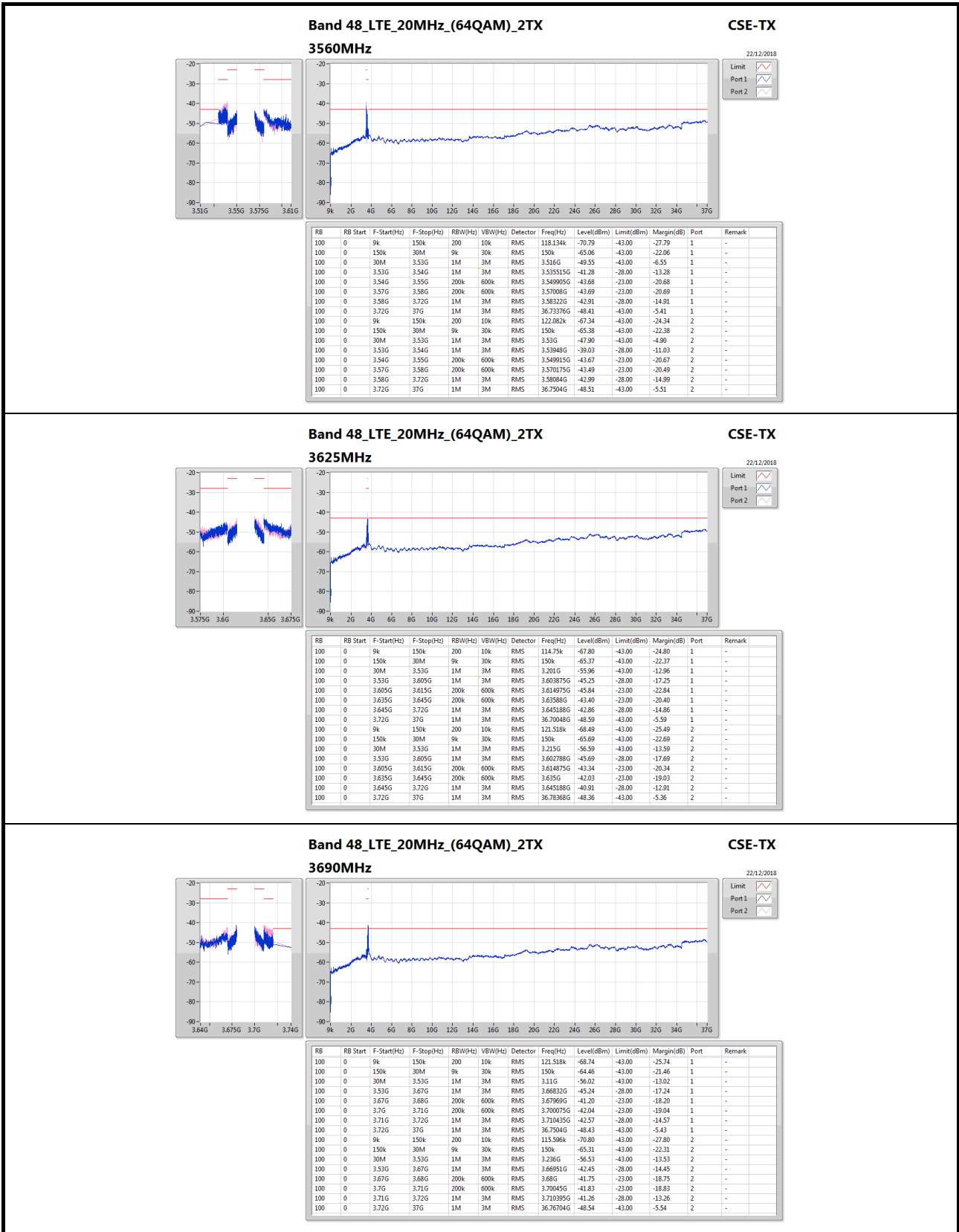












Band 48_LTE_20MHz_(64QAM)_2TX

3690MHz

CSE-TX

22/12/2018



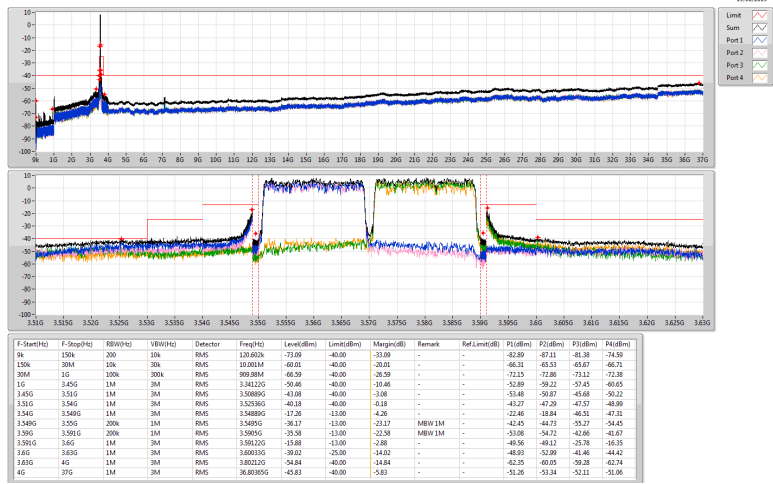
<Multi-carrier and/or CA>

Summary

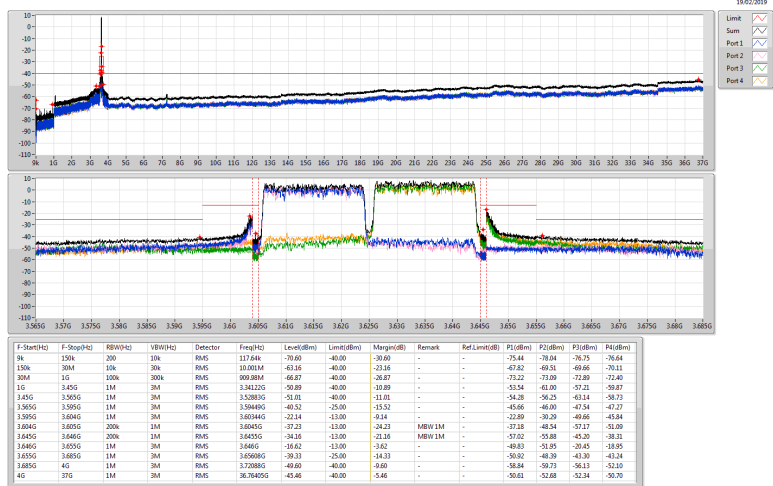
Mode	Setting	Result	F-Start (Hz)	F-Stop (Hz)	RBW (Hz)	VBW (Hz)	Detector	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Remark
Band 48	-	-	-	-	-	-	-	-	-	-	-	-
Band 48_LTE_20MHz+20MHz_QPSK_4TX	22	Pass	3.51G	3.54G	1M	3M	RMS	3.52536G	-40.18	-40.00	-0.18	-
Band 48_LTE_20MHz+20MHz_16QAM_4TX	22	Pass	3.71G	3.74G	1M	3M	RMS	3.72263G	-40.09	-40.00	-0.09	-
Band 48_LTE_20MHz+20MHz_64QAM_4TX	22	Pass	3.51G	3.54G	1M	3M	RMS	3.52407G	-40.27	-40.00	-0.27	-



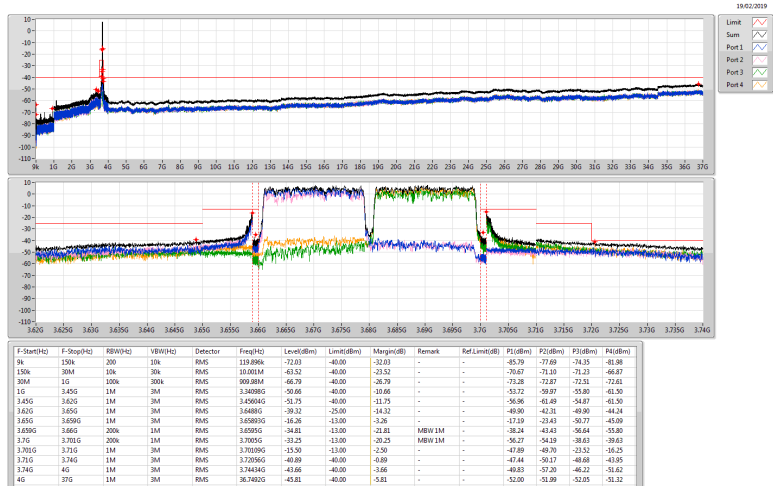
Band 48 LTE 20MHz+20MHz_Nss1_4TX
 #P#3560MHz#3580MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0

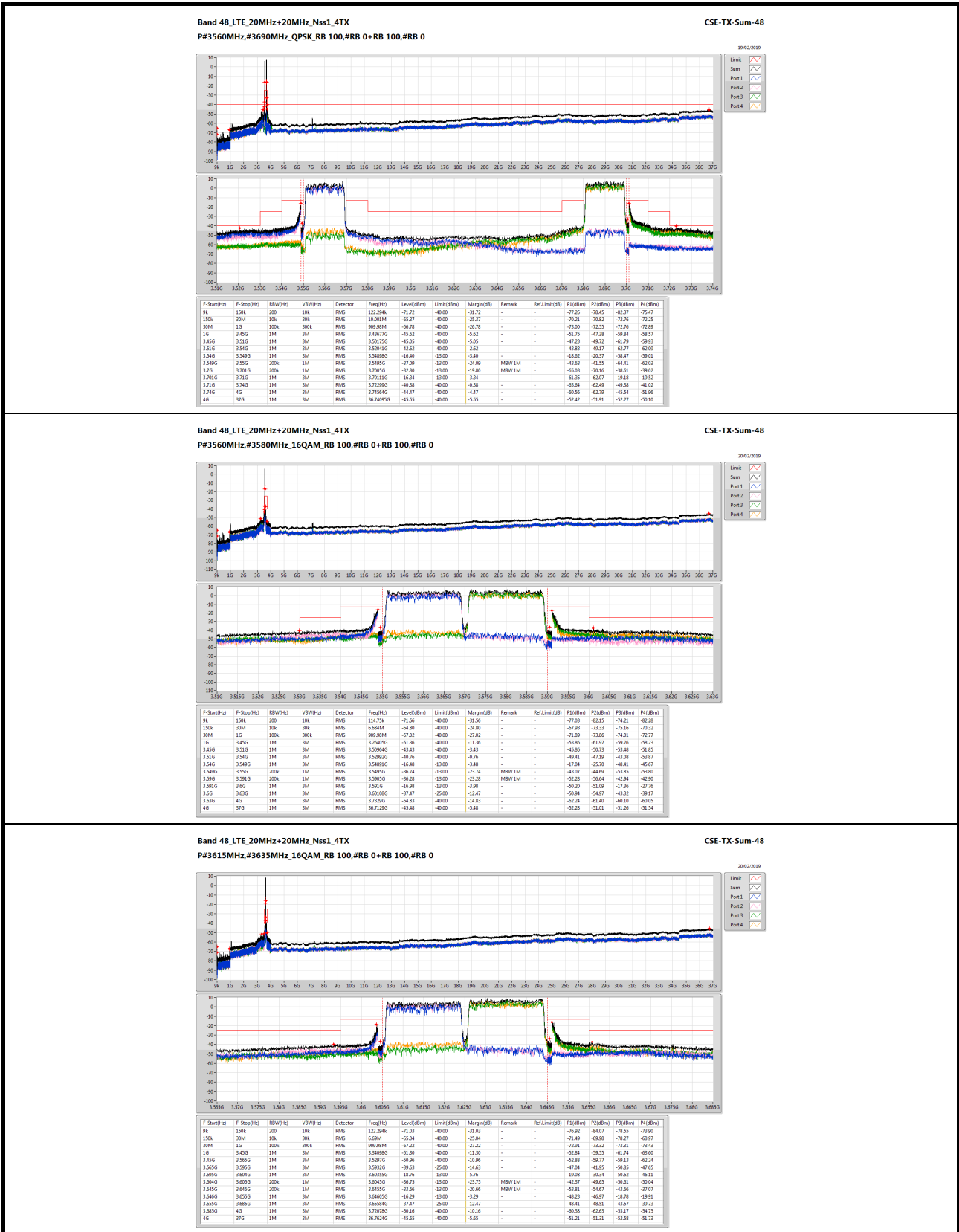


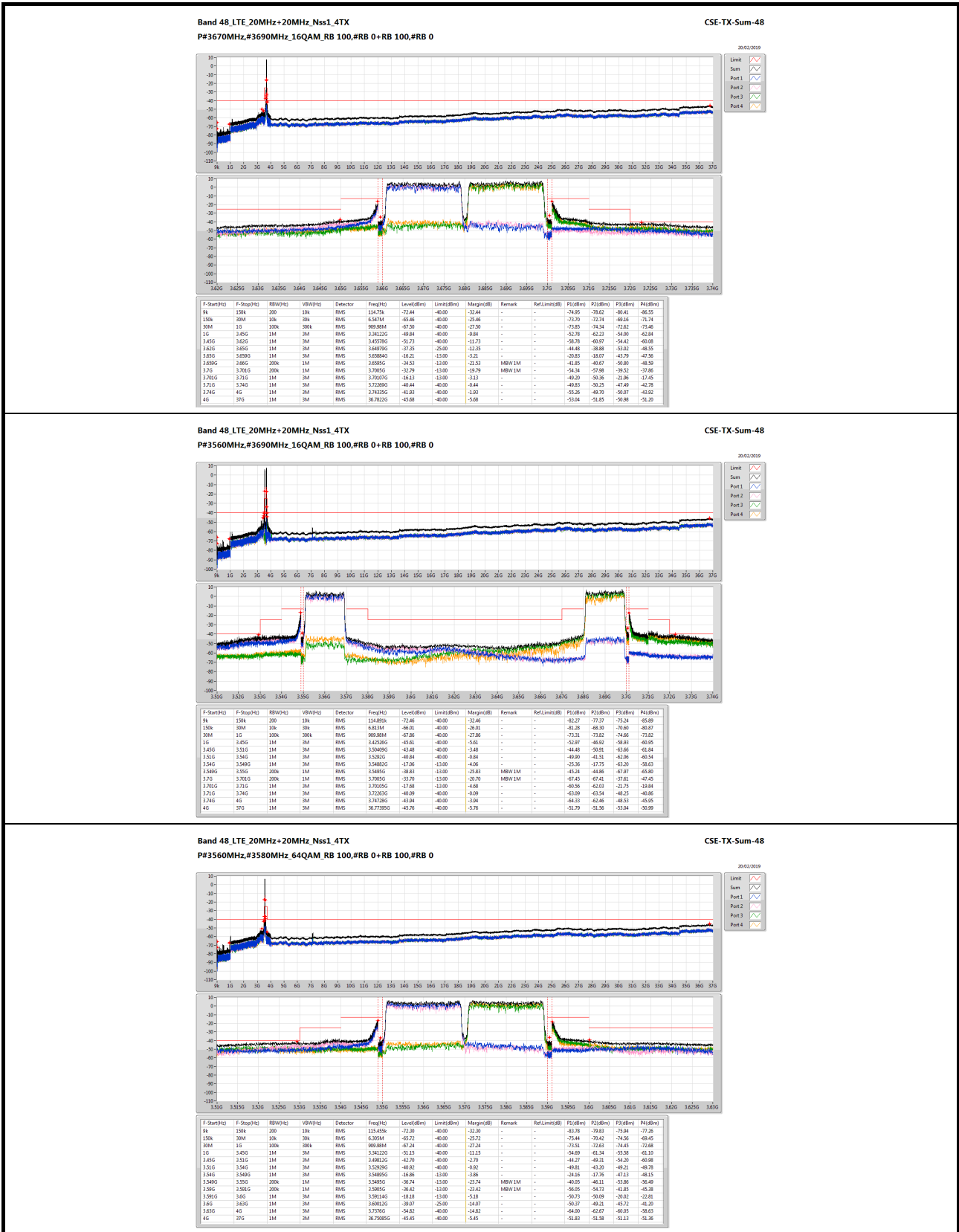
Band 48 LTE 20MHz+20MHz_Nss1_4TX
 #P#3615MHz#3635MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0



Band 48 LTE 20MHz+20MHz_Nss1_4TX
 #P#3670MHz#3690MHz_QPSK_RB 100,#RB 0+RB 100,#RB 0









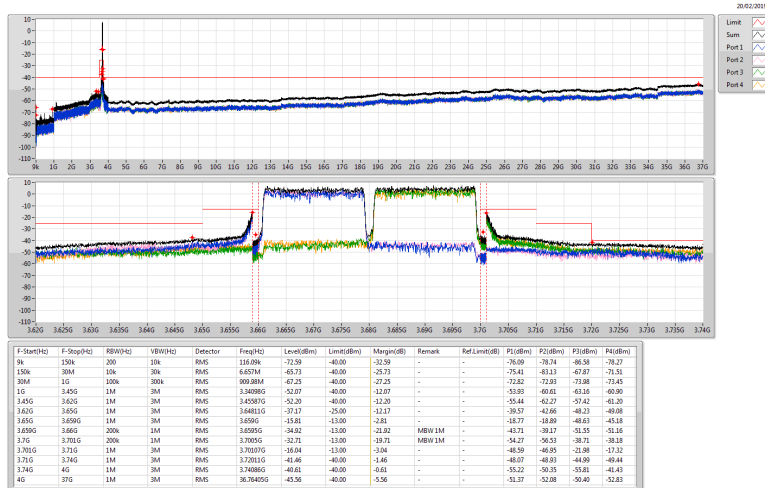
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CSE-TX-Sum-48



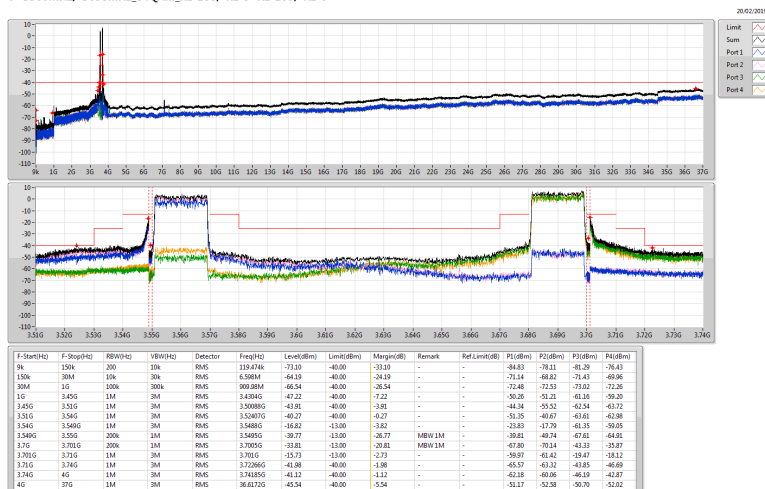
Band 48 LTE 20MHz+20MHz_Nss1_4TX
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CSE-TX-Sum-48



Band 48 LTE 20MHz+20MHz_Nss1_4TX
 P#3560MHz#3690MHz_64QAM_RB 100,#RB 0+RB 100,#RB 0

CSE-TX-Sum-48





<Single-carrier>

Field Strength of Spurious Radiation (30MHz ~ 1GHz)

Configurations	20MHz / 64QAM / 3560 MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-56.38	-16.38	-40.00	-57.21	0.83	HORIZONTAL
2	245.34	-68.07	-28.07	-40.00	-61.98	-6.09	HORIZONTAL
3	299.66	-69.20	-29.20	-40.00	-60.67	-8.53	HORIZONTAL
4	357.86	-68.27	-28.27	-40.00	-61.57	-6.70	HORIZONTAL
5	416.06	-65.87	-25.87	-40.00	-60.47	-5.40	HORIZONTAL
6	806.97	-67.08	-27.08	-40.00	-67.44	0.36	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-67.49	-27.49	-40.00	-55.87	-11.62	VERTICAL
2	42.61	-69.42	-29.42	-40.00	-54.91	-14.51	VERTICAL
3	59.10	-68.73	-28.73	-40.00	-52.03	-16.70	VERTICAL
4	95.96	-72.79	-32.79	-40.00	-64.02	-8.77	VERTICAL
5	396.66	-69.45	-29.45	-40.00	-63.57	-5.88	VERTICAL
6	491.72	-68.14	-28.14	-40.00	-64.74	-3.40	VERTICAL



Configurations	20MHz / 64QAM / 3625MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-59.05	-19.05	-40.00	-59.88	0.83	HORIZONTAL
2	245.34	-66.82	-26.82	-40.00	-60.73	-6.09	HORIZONTAL
3	388.90	-66.12	-26.12	-40.00	-60.32	-5.80	HORIZONTAL
4	424.79	-67.76	-27.76	-40.00	-62.41	-5.35	HORIZONTAL
5	491.72	-70.94	-30.94	-40.00	-65.95	-4.99	HORIZONTAL
6	850.62	-67.91	-27.91	-40.00	-67.91	0.00	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-69.37	-29.37	-40.00	-57.75	-11.62	VERTICAL
2	58.13	-68.39	-28.39	-40.00	-51.69	-16.70	VERTICAL
3	224.00	-72.14	-32.14	-40.00	-61.84	-10.30	VERTICAL
4	393.75	-63.38	-23.38	-40.00	-57.45	-5.93	VERTICAL
5	491.72	-69.86	-29.86	-40.00	-66.46	-3.40	VERTICAL
6	600.36	-69.45	-29.45	-40.00	-66.31	-3.14	VERTICAL



Configurations	20MHz / 64QAM / 3690MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-58.77	-18.77	-40.00	-59.60	0.83	HORIZONTAL
2	245.34	-66.09	-26.09	-40.00	-60.00	-6.09	HORIZONTAL
3	390.84	-64.98	-24.98	-40.00	-59.22	-5.76	HORIZONTAL
4	426.73	-67.45	-27.45	-40.00	-62.11	-5.34	HORIZONTAL
5	491.72	-70.23	-30.23	-40.00	-65.24	-4.99	HORIZONTAL
6	842.86	-66.20	-26.20	-40.00	-66.27	0.07	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-69.82	-29.82	-40.00	-58.20	-11.62	VERTICAL
2	59.10	-69.96	-29.96	-40.00	-53.26	-16.70	VERTICAL
3	162.89	-71.18	-31.18	-40.00	-62.41	-8.77	VERTICAL
4	221.09	-71.67	-31.67	-40.00	-61.34	-10.33	VERTICAL
5	396.66	-67.72	-27.72	-40.00	-61.84	-5.88	VERTICAL
6	491.72	-67.53	-27.53	-40.00	-64.13	-3.40	VERTICAL



Field Strength of Spurious Radiation (Above 1GHz) - Harmonic

Configurations	20MHz / 64QAM / 3560 MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7120.22	-65.32	-25.32	-40.00	-78.28	12.96	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7119.52	-59.55	-19.55	-40.00	-74.28	14.73	VERTICAL



Configurations	20MHz / 64QAM / 3625MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7250.39	-64.21	-24.21	-40.00	-77.23	13.02	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7250.48	-59.14	-19.14	-40.00	-73.98	14.84	VERTICAL



Configurations	20MHz / 64QAM / 3690MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7380.11	-64.64	-24.64	-40.00	-77.73	13.09	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7380.26	-58.64	-18.64	-40.00	-73.61	14.97	VERTICAL



<Multi-carrier and/or CA>

Field Strength of Spurious Radiation (30MHz ~ 1GHz)

Configurations	20MHz / 64QAM / 3560+3580MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	32.91	-56.69	-16.69	-40.00	-58.57	1.88	HORIZONTAL
2	167.74	-74.91	-34.91	-40.00	-60.78	-14.13	HORIZONTAL
3	364.65	-69.69	-29.69	-40.00	-63.17	-6.52	HORIZONTAL
4	418.97	-67.34	-27.34	-40.00	-61.95	-5.39	HORIZONTAL
5	809.88	-67.88	-27.88	-40.00	-68.21	0.33	HORIZONTAL
6	868.08	-66.28	-26.28	-40.00	-66.13	-0.15	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-67.22	-27.22	-40.00	-55.60	-11.62	VERTICAL
2	42.61	-68.11	-28.11	-40.00	-53.60	-14.51	VERTICAL
3	58.13	-68.14	-28.14	-40.00	-51.44	-16.70	VERTICAL
4	96.93	-73.19	-33.19	-40.00	-64.43	-8.76	VERTICAL
5	407.33	-70.32	-30.32	-40.00	-64.73	-5.59	VERTICAL
6	491.72	-69.10	-29.10	-40.00	-65.70	-3.40	VERTICAL



Configurations	20MHz / 64QAM / 3615+3635MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-57.87	-17.87	-40.00	-58.70	0.83	HORIZONTAL
2	268.62	-72.02	-32.02	-40.00	-65.35	-6.67	HORIZONTAL
3	418.97	-68.28	-28.28	-40.00	-62.89	-5.39	HORIZONTAL
4	466.50	-69.60	-29.60	-40.00	-64.48	-5.12	HORIZONTAL
5	831.22	-67.47	-27.47	-40.00	-67.63	0.16	HORIZONTAL
6	852.56	-65.60	-25.60	-40.00	-65.57	-0.03	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-68.00	-28.00	-40.00	-56.38	-11.62	VERTICAL
2	41.64	-69.37	-29.37	-40.00	-55.10	-14.27	VERTICAL
3	58.13	-68.81	-28.81	-40.00	-52.11	-16.70	VERTICAL
4	125.06	-72.13	-32.13	-40.00	-65.91	-6.22	VERTICAL
5	225.94	-74.34	-34.34	-40.00	-64.06	-10.28	VERTICAL
6	462.62	-70.86	-30.86	-40.00	-66.73	-4.13	VERTICAL



Configurations	20MHz / 64QAM / 3670+3690MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	32.91	-56.43	-16.43	-40.00	-58.31	1.88	HORIZONTAL
2	165.80	-75.41	-35.41	-40.00	-61.13	-14.28	HORIZONTAL
3	419.94	-66.92	-26.92	-40.00	-61.54	-5.38	HORIZONTAL
4	792.42	-67.78	-27.78	-40.00	-68.02	0.24	HORIZONTAL
5	831.22	-67.03	-27.03	-40.00	-67.19	0.16	HORIZONTAL
6	986.42	-65.79	-25.79	-40.00	-68.29	2.50	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-67.53	-27.53	-40.00	-55.91	-11.62	VERTICAL
2	42.61	-68.24	-28.24	-40.00	-53.73	-14.51	VERTICAL
3	58.13	-68.77	-28.77	-40.00	-52.07	-16.70	VERTICAL
4	404.42	-69.38	-29.38	-40.00	-63.70	-5.68	VERTICAL
5	469.41	-68.94	-28.94	-40.00	-64.97	-3.97	VERTICAL
6	764.29	-69.57	-29.57	-40.00	-67.95	-1.62	VERTICAL



Configurations	20MHz / 64QAM / 3560+3690MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	32.91	-57.59	-17.59	-40.00	-59.47	1.88	HORIZONTAL
2	165.80	-74.98	-34.98	-40.00	-60.70	-14.28	HORIZONTAL
3	254.07	-70.78	-30.78	-40.00	-65.07	-5.71	HORIZONTAL
4	418.97	-67.96	-27.96	-40.00	-62.57	-5.39	HORIZONTAL
5	469.41	-69.96	-29.96	-40.00	-64.85	-5.11	HORIZONTAL
6	835.10	-67.56	-27.56	-40.00	-67.68	0.12	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	33.88	-68.08	-28.08	-40.00	-56.46	-11.62	VERTICAL
2	42.61	-68.43	-28.43	-40.00	-53.92	-14.51	VERTICAL
3	58.13	-68.70	-28.70	-40.00	-52.00	-16.70	VERTICAL
4	403.45	-70.28	-30.28	-40.00	-64.56	-5.72	VERTICAL
5	471.35	-70.25	-30.25	-40.00	-66.36	-3.89	VERTICAL
6	491.72	-69.36	-29.36	-40.00	-65.96	-3.40	VERTICAL



Field Strength of Spurious Radiation (Above 1GHz) - Harmonic

Configurations	20MHz / 64QAM / 3560+3580MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7119.72	-65.25	-25.25	-40.00	-78.21	12.96	HORIZONTAL
2	7160.49	-64.69	-24.69	-40.00	-77.67	12.98	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7120.43	-59.47	-19.47	-40.00	-74.20	14.73	VERTICAL
2	7160.04	-59.95	-19.95	-40.00	-74.72	14.77	VERTICAL



Configurations	20MHz / 64QAM / 3615+3635MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7230.42	-64.18	-24.18	-40.00	-77.19	13.01	HORIZONTAL
2	7269.95	-65.51	-25.51	-40.00	-78.54	13.03	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7229.69	-59.13	-19.13	-40.00	-73.95	14.82	VERTICAL
2	7270.20	-59.81	-19.81	-40.00	-74.67	14.86	VERTICAL



Configurations	20MHz / 64QAM / 3670+3690MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7339.51	-65.13	-25.13	-40.00	-78.20	13.07	HORIZONTAL
2	7380.17	-64.83	-24.83	-40.00	-77.92	13.09	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7339.57	-59.78	-19.78	-40.00	-74.71	14.93	VERTICAL
2	7379.92	-59.03	-19.03	-40.00	-74.00	14.97	VERTICAL



Configurations	20MHz / 64QAM / 3560+3690MHz
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Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7119.51	-64.39	-24.39	-40.00	-77.35	12.96	HORIZONTAL
2	7379.70	-65.10	-25.10	-40.00	-78.19	13.09	HORIZONTAL

Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Factor	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	7119.54	-58.45	-18.45	-40.00	-73.18	14.73	VERTICAL
2	7380.08	-59.16	-19.16	-40.00	-74.13	14.97	VERTICAL



<Single-carrier>

Summary

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fl (Hz)	Fh (Hz)	Fl Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
Band 48	-			-	-	-	-	-		-	-
LTE_20MHz_(64QAM)_2TX	Pass	93.5	20	3.69G	3.681076G	3.698873G	3.55G	3.7G	-6.84	1	-



Result

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fl (Hz)	Fh (Hz)	Fl Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
LTE_10MHz_(QPSK)_2TX	-	-	-	-	-	-	-	-	-	-	-
3555MHz	Pass	110	-30	3.555G	3.550535G	3.559462G	3.55G	3.7G	-0.426	1	-
3555MHz	Pass	110	-20	3.555G	3.550527G	3.559463G	3.55G	3.7G	-1.426	1	-
3555MHz	Pass	110	-10	3.555G	3.550533G	3.559458G	3.55G	3.7G	-1.344	1	-
3555MHz	Pass	110	0	3.555G	3.550528G	3.559461G	3.55G	3.7G	-1.622	1	-
3555MHz	Pass	110	10	3.555G	3.55053G	3.559462G	3.55G	3.7G	-0.999	1	-
3555MHz	Pass	93.5	20	3.555G	3.550531G	3.559459G	3.55G	3.7G	-1.316	1	-
3555MHz	Pass	110	20	3.555G	3.550525G	3.559465G	3.55G	3.7G	-1.393	1	-
3555MHz	Pass	126.5	20	3.555G	3.550529G	3.559466G	3.55G	3.7G	-0.67	1	-
3555MHz	Pass	110	30	3.555G	3.550527G	3.559462G	3.55G	3.7G	-1.524	1	-
3555MHz	Pass	110	40	3.555G	3.550529G	3.559456G	3.55G	3.7G	-2.091	1	-
3555MHz	Pass	110	50	3.555G	3.550532G	3.559456G	3.55G	3.7G	-1.665	1	-
3695MHz	Pass	110	-30	3.695G	3.690528G	3.69946G	3.55G	3.7G	-1.66	1	-
3695MHz	Pass	110	-20	3.695G	3.690527G	3.699468G	3.55G	3.7G	-0.714	1	-
3695MHz	Pass	110	-10	3.695G	3.690529G	3.699463G	3.55G	3.7G	-1.023	1	-
3695MHz	Pass	110	0	3.695G	3.690532G	3.699467G	3.55G	3.7G	-0.151	1	-
3695MHz	Pass	110	10	3.695G	3.690535G	3.699461G	3.55G	3.7G	-0.569	1	-
3695MHz	Pass	93.5	20	3.695G	3.690531G	3.699463G	3.55G	3.7G	-0.771	1	-
3695MHz	Pass	110	20	3.695G	3.690527G	3.69946G	3.55G	3.7G	-1.763	1	-
3695MHz	Pass	126.5	20	3.695G	3.690531G	3.69946G	3.55G	3.7G	-1.122	1	-
3695MHz	Pass	110	30	3.695G	3.690524G	3.699465G	3.55G	3.7G	-1.529	1	-
3695MHz	Pass	110	40	3.695G	3.690523G	3.69946G	3.55G	3.7G	-2.304	1	-
3695MHz	Pass	110	50	3.695G	3.69053G	3.699457G	3.55G	3.7G	-1.852	1	-
LTE_10MHz_(16QAM)_2TX	-	-	-	-	-	-	-	-	-	-	-
3555MHz	Pass	110	-30	3.555G	3.55052G	3.559457G	3.55G	3.7G	-3.26	1	-
3555MHz	Pass	110	-20	3.555G	3.550521G	3.55945G	3.55G	3.7G	-3.968	1	-
3555MHz	Pass	110	-10	3.555G	3.550523G	3.559457G	3.55G	3.7G	-2.767	1	-
3555MHz	Pass	110	0	3.555G	3.550516G	3.559458G	3.55G	3.7G	-3.653	1	-
3555MHz	Pass	110	10	3.555G	3.550513G	3.559461G	3.55G	3.7G	-3.566	1	-
3555MHz	Pass	93.5	20	3.555G	3.550519G	3.559449G	3.55G	3.7G	-4.546	1	-
3555MHz	Pass	110	20	3.555G	3.550519G	3.559445G	3.55G	3.7G	-5.02	1	-
3555MHz	Pass	126.5	20	3.555G	3.550523G	3.55945G	3.55G	3.7G	-3.836	1	-
3555MHz	Pass	110	30	3.555G	3.550525G	3.55945G	3.55G	3.7G	-3.484	1	-
3555MHz	Pass	110	40	3.555G	3.550511G	3.559459G	3.55G	3.7G	-4.219	1	-
3555MHz	Pass	110	50	3.555G	3.55052G	3.559432G	3.55G	3.7G	-6.755	1	-
3695MHz	Pass	110	-30	3.695G	3.690524G	3.699456G	3.55G	3.7G	-2.611	1	-
3695MHz	Pass	110	-20	3.695G	3.690522G	3.699459G	3.55G	3.7G	-2.577	1	-
3695MHz	Pass	110	-10	3.695G	3.690523G	3.699451G	3.55G	3.7G	-3.514	1	-
3695MHz	Pass	110	0	3.695G	3.690521G	3.699444G	3.55G	3.7G	-4.734	1	-
3695MHz	Pass	110	10	3.695G	3.690519G	3.699452G	3.55G	3.7G	-3.943	1	-
3695MHz	Pass	93.5	20	3.695G	3.69052G	3.699448G	3.55G	3.7G	-4.309	1	-
3695MHz	Pass	110	20	3.695G	3.690519G	3.699456G	3.55G	3.7G	-3.375	1	-



Frequency Stability Result

Appendix I.1

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fl (Hz)	Fh (Hz)	Fl Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
3695MHz	Pass	126.5	20	3.695G	3.690524G	3.699459G	3.55G	3.7G	-2.33	1	-
3695MHz	Pass	110	30	3.695G	3.690518G	3.699458G	3.55G	3.7G	-3.248	1	-
3695MHz	Pass	110	40	3.695G	3.690521G	3.699456G	3.55G	3.7G	-3.083	1	-
3695MHz	Pass	110	50	3.695G	3.690525G	3.699438G	3.55G	3.7G	-4.949	1	-
LTE_10MHz_(64QAM)_2TX	-			-	-	-	-	-	-	-	-
3555MHz	Pass	110	-30	3.555G	3.550531G	3.55946G	3.55G	3.7G	-1.249	1	-
3555MHz	Pass	110	-20	3.555G	3.550533G	3.559452G	3.55G	3.7G	-2.086	1	-
3555MHz	Pass	110	-10	3.555G	3.550525G	3.55946G	3.55G	3.7G	-2.127	1	-
3555MHz	Pass	110	0	3.555G	3.550526G	3.559462G	3.55G	3.7G	-1.737	1	-
3555MHz	Pass	110	10	3.555G	3.550534G	3.559462G	3.55G	3.7G	-0.646	1	-
3555MHz	Pass	93.5	20	3.555G	3.550533G	3.559457G	3.55G	3.7G	-1.353	1	-
3555MHz	Pass	110	20	3.555G	3.550533G	3.559462G	3.55G	3.7G	-0.703	1	-
3555MHz	Pass	126.5	20	3.555G	3.550534G	3.559455G	3.55G	3.7G	-1.468	1	-
3555MHz	Pass	110	30	3.555G	3.550526G	3.559459G	3.55G	3.7G	-2.161	1	-
3555MHz	Pass	110	40	3.555G	3.55053G	3.559462G	3.55G	3.7G	-1.166	1	-
3555MHz	Pass	110	50	3.555G	3.550529G	3.559461G	3.55G	3.7G	-1.454	1	-
3695MHz	Pass	110	-30	3.695G	3.690536G	3.699459G	3.55G	3.7G	-0.737	1	-
3695MHz	Pass	110	-20	3.695G	3.690529G	3.69946G	3.55G	3.7G	-1.507	1	-
3695MHz	Pass	110	-10	3.695G	3.690541G	3.69945G	3.55G	3.7G	-1.217	1	-
3695MHz	Pass	110	0	3.695G	3.690538G	3.69946G	3.55G	3.7G	-0.296	1	-
3695MHz	Pass	110	10	3.695G	3.690537G	3.699448G	3.55G	3.7G	-1.966	1	-
3695MHz	Pass	93.5	20	3.695G	3.690537G	3.699462G	3.55G	3.7G	-0.228	1	-
3695MHz	Pass	110	20	3.695G	3.690528G	3.699462G	3.55G	3.7G	-1.284	1	-
3695MHz	Pass	126.5	20	3.695G	3.690536G	3.699457G	3.55G	3.7G	-1.044	1	-
3695MHz	Pass	110	30	3.695G	3.690534G	3.699457G	3.55G	3.7G	-1.236	1	-
3695MHz	Pass	110	40	3.695G	3.690535G	3.699451G	3.55G	3.7G	-1.912	1	-
3695MHz	Pass	110	50	3.695G	3.690533G	3.699455G	3.55G	3.7G	-1.654	1	-
LTE_20MHz_(QPSK)_2TX	-			-	-	-	-	-	-	-	-
3560MHz	Pass	110	-30	3.56G	3.551093G	3.568873G	3.55G	3.7G	-4.785	1	-
3560MHz	Pass	110	-20	3.56G	3.551096G	3.568889G	3.55G	3.7G	-2.025	1	-
3560MHz	Pass	110	-10	3.56G	3.551098G	3.56888G	3.55G	3.7G	-2.989	1	-
3560MHz	Pass	110	0	3.56G	3.551078G	3.568888G	3.55G	3.7G	-4.706	1	-
3560MHz	Pass	110	10	3.56G	3.551078G	3.568879G	3.55G	3.7G	-6.072	1	-
3560MHz	Pass	93.5	20	3.56G	3.551085G	3.568908G	3.55G	3.7G	-1.051	1	-
3560MHz	Pass	110	20	3.56G	3.551081G	3.568878G	3.55G	3.7G	-5.74	1	-
3560MHz	Pass	126.5	20	3.56G	3.551086G	3.568898G	3.55G	3.7G	-2.209	1	-
3560MHz	Pass	110	30	3.56G	3.551087G	3.568871G	3.55G	3.7G	-5.857	1	-
3560MHz	Pass	110	40	3.56G	3.551091G	3.56889G	3.55G	3.7G	-1.372	1	-
3560MHz	Pass	110	50	3.56G	3.551095G	3.568882G	3.55G	3.7G	-3.198	1	-
3690MHz	Pass	110	-30	3.69G	3.681072G	3.698894G	3.55G	3.7G	-4.511	1	-
3690MHz	Pass	110	-20	3.69G	3.681088G	3.698896G	3.55G	3.7G	-2.174	1	-
3690MHz	Pass	110	-10	3.69G	3.68109G	3.698883G	3.55G	3.7G	-3.596	1	-
3690MHz	Pass	110	0	3.69G	3.681092G	3.69889G	3.55G	3.7G	-1.092	1	-
3690MHz	Pass	110	10	3.69G	3.681085G	3.698884G	3.55G	3.7G	-4.215	1	-
3690MHz	Pass	93.5	20	3.69G	3.681073G	3.698877G	3.55G	3.7G	-6.791	1	-



Frequency Stability Result

Appendix I.1

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fl (Hz)	Fh (Hz)	Fl Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
3690MHz	Pass	110	20	3.69G	3.681083G	3.698896G	3.55G	3.7G	-2.905	1	-
3690MHz	Pass	126.5	20	3.69G	3.681076G	3.698888G	3.55G	3.7G	-4.844	1	-
3690MHz	Pass	110	30	3.69G	3.681099G	3.698904G	3.55G	3.7G	0.376	1	-
3690MHz	Pass	110	40	3.69G	3.681082G	3.698911G	3.55G	3.7G	-0.927	1	-
3690MHz	Pass	110	50	3.69G	3.681083G	3.698897G	3.55G	3.7G	-2.717	1	-
LTE_20MHz_(16QAM)_2TX	-			-	-	-	-	-	-	-	-
3560MHz	Pass	110	-30	3.56G	3.551095G	3.568894G	3.55G	3.7G	-1.56	1	-
3560MHz	Pass	110	-20	3.56G	3.551099G	3.568889G	3.55G	3.7G	-1.643	1	-
3560MHz	Pass	110	-10	3.56G	3.55111G	3.568867G	3.55G	3.7G	-4.712	1	-
3560MHz	Pass	110	0	3.56G	3.551093G	3.568891G	3.55G	3.7G	-2.258	1	-
3560MHz	Pass	110	10	3.56G	3.551083G	3.568898G	3.55G	3.7G	-2.666	1	-
3560MHz	Pass	93.5	20	3.56G	3.551093G	3.568888G	3.55G	3.7G	-2.728	1	-
3560MHz	Pass	110	20	3.56G	3.551097G	3.568894G	3.55G	3.7G	-1.292	1	-
3560MHz	Pass	126.5	20	3.56G	3.551087G	3.568889G	3.55G	3.7G	-3.39	1	-
3560MHz	Pass	110	30	3.56G	3.551102G	3.568902G	3.55G	3.7G	0.623	1	-
3560MHz	Pass	110	40	3.56G	3.551092G	3.568887G	3.55G	3.7G	-2.962	1	-
3560MHz	Pass	110	50	3.56G	3.551089G	3.568885G	3.55G	3.7G	-3.629	1	-
3690MHz	Pass	110	-30	3.69G	3.681072G	3.698878G	3.55G	3.7G	-6.724	1	-
3690MHz	Pass	110	-20	3.69G	3.681085G	3.69889G	3.55G	3.7G	-2.051	1	-
3690MHz	Pass	110	-10	3.69G	3.68111G	3.698889G	3.55G	3.7G	-1.437	1	-
3690MHz	Pass	110	0	3.69G	3.681083G	3.698893G	3.55G	3.7G	-3.279	1	-
3690MHz	Pass	110	10	3.69G	3.68109G	3.698898G	3.55G	3.7G	-1.696	1	-
3690MHz	Pass	93.5	20	3.69G	3.681097G	3.698875G	3.55G	3.7G	-3.811	1	-
3690MHz	Pass	110	20	3.69G	3.681097G	3.698891G	3.55G	3.7G	-1.662	1	-
3690MHz	Pass	126.5	20	3.69G	3.68108G	3.69889G	3.55G	3.7G	-2.661	1	-
3690MHz	Pass	110	30	3.69G	3.681081G	3.698887G	3.55G	3.7G	-4.39	1	-
3690MHz	Pass	110	40	3.69G	3.681093G	3.698884G	3.55G	3.7G	-3.133	1	-
3690MHz	Pass	110	50	3.69G	3.68109G	3.698887G	3.55G	3.7G	-3.057	1	-
LTE_20MHz_(64QAM)_2TX	-			-	-	-	-	-	-	-	-
3560MHz	Pass	110	-30	3.56G	3.551093G	3.568891G	3.55G	3.7G	-2.191	1	-
3560MHz	Pass	110	-20	3.56G	3.551082G	3.568892G	3.55G	3.7G	-3.669	1	-
3560MHz	Pass	110	-10	3.56G	3.551083G	3.568884G	3.55G	3.7G	-4.63	1	-
3560MHz	Pass	110	0	3.56G	3.551087G	3.568891G	3.55G	3.7G	-3.073	1	-
3560MHz	Pass	110	10	3.56G	3.551088G	3.568875G	3.55G	3.7G	-5.217	1	-
3560MHz	Pass	93.5	20	3.56G	3.551087G	3.568883G	3.55G	3.7G	-4.128	1	-
3560MHz	Pass	110	20	3.56G	3.551093G	3.568888G	3.55G	3.7G	-2.59	1	-
3560MHz	Pass	126.5	20	3.56G	3.551089G	3.56889G	3.55G	3.7G	-2.956	1	-
3560MHz	Pass	110	30	3.56G	3.551092G	3.56889G	3.55G	3.7G	-2.582	1	-
3560MHz	Pass	110	40	3.56G	3.551078G	3.568883G	3.55G	3.7G	-5.55	1	-
3560MHz	Pass	110	50	3.56G	3.551085G	3.568883G	3.55G	3.7G	-4.477	1	-
3690MHz	Pass	110	-30	3.69G	3.681081G	3.698898G	3.55G	3.7G	-2.956	1	-
3690MHz	Pass	110	-20	3.69G	3.681096G	3.698887G	3.55G	3.7G	-2.335	1	-
3690MHz	Pass	110	-10	3.69G	3.681089G	3.698888G	3.55G	3.7G	-3.112	1	-
3690MHz	Pass	110	0	3.69G	3.68111G	3.69889G	3.55G	3.7G	-0.053	1	-
3690MHz	Pass	110	10	3.69G	3.681083G	3.698876G	3.55G	3.7G	-5.448	1	-



Frequency Stability Result

Appendix I.1

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fl (Hz)	Fh (Hz)	Fl Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
3690MHz	Pass	93.5	20	3.69G	3.681076G	3.698873G	3.55G	3.7G	-6.84	1	-
3690MHz	Pass	110	20	3.69G	3.681079G	3.698882G	3.55G	3.7G	-5.328	1	-
3690MHz	Pass	126.5	20	3.69G	3.681088G	3.698883G	3.55G	3.7G	-3.952	1	-
3690MHz	Pass	110	30	3.69G	3.681089G	3.69888G	3.55G	3.7G	-4.19	1	-
3690MHz	Pass	110	40	3.69G	3.681089G	3.698893G	3.55G	3.7G	-2.432	1	-
3690MHz	Pass	110	50	3.69G	3.681102G	3.698879G	3.55G	3.7G	-2.592	1	-



<Multi-carrier and/or CA>

Summary

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fl (Hz)	Fh (Hz)	Fl Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
LTE_20MHz+20MHz_QPSK_4TX	-			-	-	-			-	-	-
P#3560MHz,#3690MHz	Pass	110	-10	3.56G	3.551091G	3.56887G	3.55G	3.7G	-5.464	1	-



Result

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fi (Hz)	Fh (Hz)	Fi Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
LTE_20MHz+20MHz_QPSK_4TX	-			-	-	-			-	-	-
P#3560MHz,#3690MHz	Pass	110	-30	3.56G	3.551105G	3.568888G	3.55G	3.7G	-0.877	1	-
P#3560MHz,#3690MHz	Pass	110	-20	3.56G	3.551098G	3.568892G	3.55G	3.7G	-1.403	1	-
P#3560MHz,#3690MHz	Pass	110	-10	3.56G	3.551091G	3.56887G	3.55G	3.7G	-5.464	1	-
P#3560MHz,#3690MHz	Pass	110	0	3.56G	3.551093G	3.568891G	3.55G	3.7G	-2.315	1	-
P#3560MHz,#3690MHz	Pass	110	10	3.56G	3.551094G	3.568869G	3.55G	3.7G	-5.084	1	-
P#3560MHz,#3690MHz	Pass	93.5	20	3.56G	3.551089G	3.568893G	3.55G	3.7G	-2.618	1	-
P#3560MHz,#3690MHz	Pass	110	20	3.56G	3.551091G	3.568881G	3.55G	3.7G	-3.835	1	-
P#3560MHz,#3690MHz	Pass	126.5	20	3.56G	3.551098G	3.568886G	3.55G	3.7G	-2.234	1	-
P#3560MHz,#3690MHz	Pass	110	30	3.56G	3.551107G	3.56888G	3.55G	3.7G	-1.817	1	-
P#3560MHz,#3690MHz	Pass	110	40	3.56G	3.551096G	3.568879G	3.55G	3.7G	-3.498	1	-
P#3560MHz,#3690MHz	Pass	110	50	3.56G	3.55109G	3.568886G	3.55G	3.7G	-3.242	1	-
P#3690MHz,#3560MHz	Pass	110	-30	3.69G	3.681098G	3.698887G	3.55G	3.7G	-2.078	1	-
P#3690MHz,#3560MHz	Pass	110	-20	3.69G	3.68109G	3.698894G	3.55G	3.7G	-2.157	1	-
P#3690MHz,#3560MHz	Pass	110	-10	3.69G	3.681106G	3.698903G	3.55G	3.7G	1.151	1	-
P#3690MHz,#3560MHz	Pass	110	0	3.69G	3.681097G	3.698919G	3.55G	3.7G	2.172	1	-
P#3690MHz,#3560MHz	Pass	110	10	3.69G	3.681103G	3.698899G	3.55G	3.7G	0.335	1	-
P#3690MHz,#3560MHz	Pass	93.5	20	3.69G	3.681089G	3.69891G	3.55G	3.7G	-0.133	1	-
P#3690MHz,#3560MHz	Pass	110	20	3.69G	3.681088G	3.698895G	3.55G	3.7G	-2.264	1	-
P#3690MHz,#3560MHz	Pass	126.5	20	3.69G	3.6811G	3.698902G	3.55G	3.7G	0.241	1	-
P#3690MHz,#3560MHz	Pass	110	30	3.69G	3.681088G	3.698891G	3.55G	3.7G	-2.892	1	-
P#3690MHz,#3560MHz	Pass	110	40	3.69G	3.681101G	3.69888G	3.55G	3.7G	-2.595	1	-
P#3690MHz,#3560MHz	Pass	110	50	3.69G	3.681093G	3.69888G	3.55G	3.7G	-3.635	1	-
LTE_20MHz+20MHz_16QAM_4TX	-			-	-	-			-	-	-
P#3560MHz,#3690MHz	Pass	110	-30	3.56G	3.551104G	3.568895G	3.55G	3.7G	-0.139	1	-
P#3560MHz,#3690MHz	Pass	110	-20	3.56G	3.551093G	3.568893G	3.55G	3.7G	-1.955	1	-
P#3560MHz,#3690MHz	Pass	110	-10	3.56G	3.551099G	3.568895G	3.55G	3.7G	-0.782	1	-
P#3560MHz,#3690MHz	Pass	110	0	3.56G	3.551089G	3.568893G	3.55G	3.7G	-2.658	1	-
P#3560MHz,#3690MHz	Pass	110	10	3.56G	3.551102G	3.568884G	3.55G	3.7G	-1.978	1	-
P#3560MHz,#3690MHz	Pass	93.5	20	3.56G	3.551108G	3.568873G	3.55G	3.7G	-2.644	1	-
P#3560MHz,#3690MHz	Pass	110	20	3.56G	3.551099G	3.568886G	3.55G	3.7G	-2.1	1	-
P#3560MHz,#3690MHz	Pass	126.5	20	3.56G	3.551095G	3.568883G	3.55G	3.7G	-3.101	1	-
P#3560MHz,#3690MHz	Pass	110	30	3.56G	3.551092G	3.568895G	3.55G	3.7G	-1.859	1	-
P#3560MHz,#3690MHz	Pass	110	40	3.56G	3.551097G	3.568876G	3.55G	3.7G	-3.742	1	-
P#3560MHz,#3690MHz	Pass	110	50	3.56G	3.551117G	3.568881G	3.55G	3.7G	-0.394	1	-
P#3690MHz,#3560MHz	Pass	110	-30	3.69G	3.681093G	3.698903G	3.55G	3.7G	-0.471	1	-
P#3690MHz,#3560MHz	Pass	110	-20	3.69G	3.681109G	3.698886G	3.55G	3.7G	-0.668	1	-
P#3690MHz,#3560MHz	Pass	110	-10	3.69G	3.681105G	3.698892G	3.55G	3.7G	-0.422	1	-
P#3690MHz,#3560MHz	Pass	110	0	3.69G	3.681096G	3.698899G	3.55G	3.7G	-0.695	1	-
P#3690MHz,#3560MHz	Pass	110	10	3.69G	3.681108G	3.698907G	3.55G	3.7G	1.965	1	-
P#3690MHz,#3560MHz	Pass	93.5	20	3.69G	3.681092G	3.698906G	3.55G	3.7G	-0.283	1	-
P#3690MHz,#3560MHz	Pass	110	20	3.69G	3.681086G	3.698912G	3.55G	3.7G	-0.366	1	-
P#3690MHz,#3560MHz	Pass	126.5	20	3.69G	3.681089G	3.698885G	3.55G	3.7G	-3.538	1	-
P#3690MHz,#3560MHz	Pass	110	30	3.69G	3.681102G	3.698904G	3.55G	3.7G	0.732	1	-



Frequency Stability Result

Appendix I.2

Mode	Result	Voltage (V)	Temp (°C)	Ch (Hz)	Fl (Hz)	Fh (Hz)	Fl Limit (Hz)	Fh Limit (Hz)	ppm	Port	Remark
P#3690MHz,#3560MHz	Pass	110	40	3.69G	3.681089G	3.698897G	3.55G	3.7G	-1.909	1	-
P#3690MHz,#3560MHz	Pass	110	50	3.69G	3.68109G	3.698882G	3.55G	3.7G	-3.78	1	-
LTE_20MHz+20MHz_64QAM_4TX	-			-	-	-			-	-	-
P#3560MHz,#3690MHz	Pass	110	-30	3.56G	3.551101G	3.568901G	3.55G	3.7G	0.263	1	-
P#3560MHz,#3690MHz	Pass	110	-20	3.56G	3.551107G	3.568887G	3.55G	3.7G	-0.722	1	-
P#3560MHz,#3690MHz	Pass	110	-10	3.56G	3.551098G	3.568895G	3.55G	3.7G	-0.991	1	-
P#3560MHz,#3690MHz	Pass	110	0	3.56G	3.551091G	3.568882G	3.55G	3.7G	-3.704	1	-
P#3560MHz,#3690MHz	Pass	110	10	3.56G	3.551103G	3.568897G	3.55G	3.7G	-0.006	1	-
P#3560MHz,#3690MHz	Pass	93.5	20	3.56G	3.551091G	3.568902G	3.55G	3.7G	-1.023	1	-
P#3560MHz,#3690MHz	Pass	110	20	3.56G	3.551098G	3.568903G	3.55G	3.7G	0.257	1	-
P#3560MHz,#3690MHz	Pass	126.5	20	3.56G	3.551098G	3.568895G	3.55G	3.7G	-1.036	1	-
P#3560MHz,#3690MHz	Pass	110	30	3.56G	3.551105G	3.568908G	3.55G	3.7G	1.851	1	-
P#3560MHz,#3690MHz	Pass	110	40	3.56G	3.551095G	3.568899G	3.55G	3.7G	-0.941	1	-
P#3560MHz,#3690MHz	Pass	110	50	3.56G	3.551106G	3.568888G	3.55G	3.7G	-0.754	1	-
P#3690MHz,#3560MHz	Pass	110	-30	3.69G	3.68109G	3.698905G	3.55G	3.7G	-0.692	1	-
P#3690MHz,#3560MHz	Pass	110	-20	3.69G	3.681085G	3.698896G	3.55G	3.7G	-2.602	1	-
P#3690MHz,#3560MHz	Pass	110	-10	3.69G	3.681094G	3.69889G	3.55G	3.7G	-2.135	1	-
P#3690MHz,#3560MHz	Pass	110	0	3.69G	3.681092G	3.69889G	3.55G	3.7G	-1.079	1	-
P#3690MHz,#3560MHz	Pass	110	10	3.69G	3.681107G	3.698889G	3.55G	3.7G	-0.52	1	-
P#3690MHz,#3560MHz	Pass	93.5	20	3.69G	3.681105G	3.698894G	3.55G	3.7G	-0.188	1	-
P#3690MHz,#3560MHz	Pass	110	20	3.69G	3.681109G	3.698893G	3.55G	3.7G	0.329	1	-
P#3690MHz,#3560MHz	Pass	126.5	20	3.69G	3.681103G	3.698899G	3.55G	3.7G	0.311	1	-
P#3690MHz,#3560MHz	Pass	110	30	3.69G	3.681092G	3.698897G	3.55G	3.7G	-1.563	1	-
P#3690MHz,#3560MHz	Pass	110	40	3.69G	3.681096G	3.698895G	3.55G	3.7G	-1.281	1	-
P#3690MHz,#3560MHz	Pass	110	50	3.69G	3.6811G	3.698903G	3.55G	3.7G	0.424	1	-