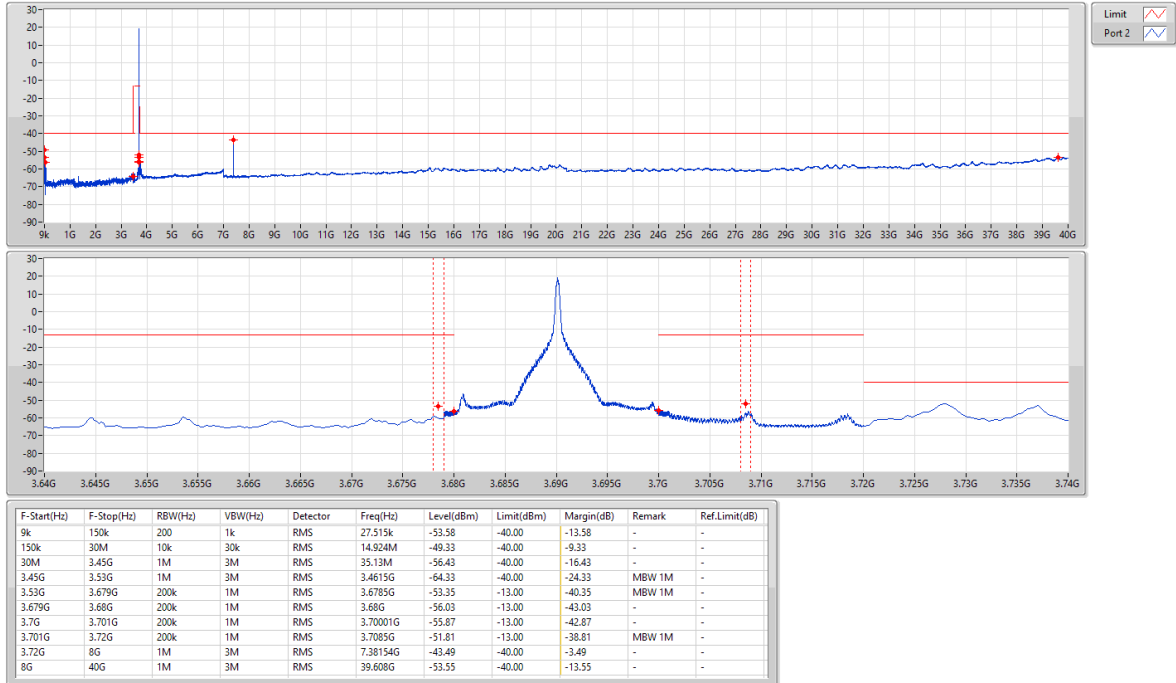


Band 48_LTE_20MHz_Nss1,16QAM_1TX
3690MHz_16QAM_RB 1,#RB M

CSE-TX-Sum

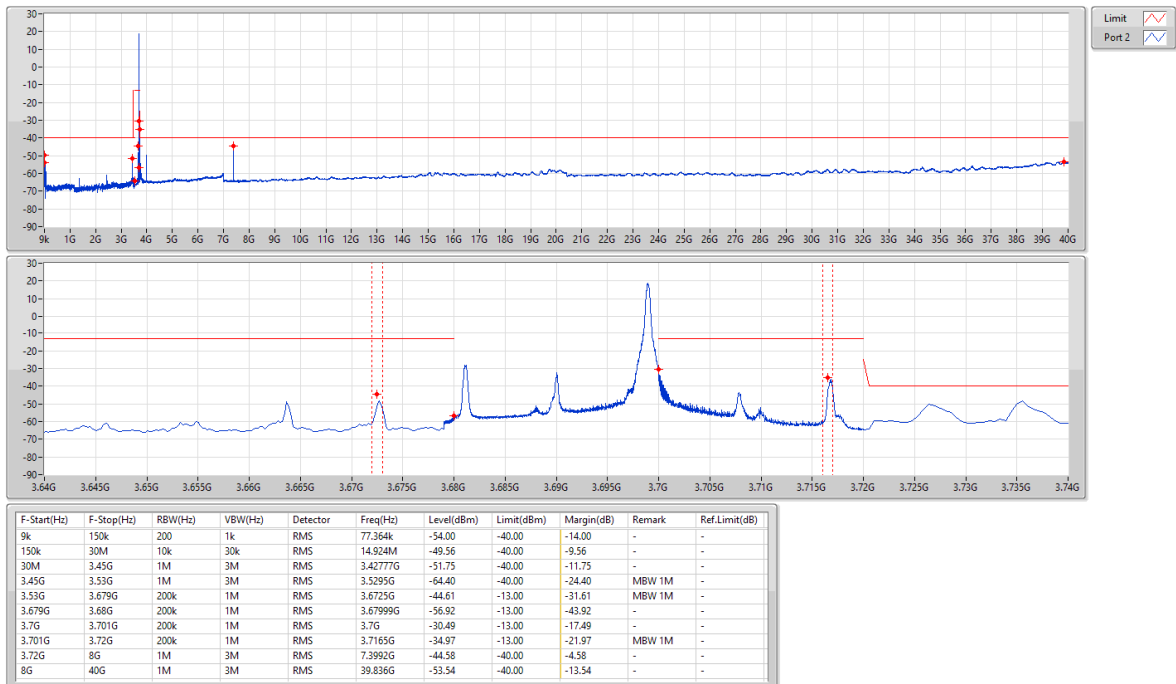
14/12/2020



Band 48_LTE_20MHz_Nss1,16QAM_1TX
3690MHz_16QAM_RB 1,#RB H

CSE-TX-Sum

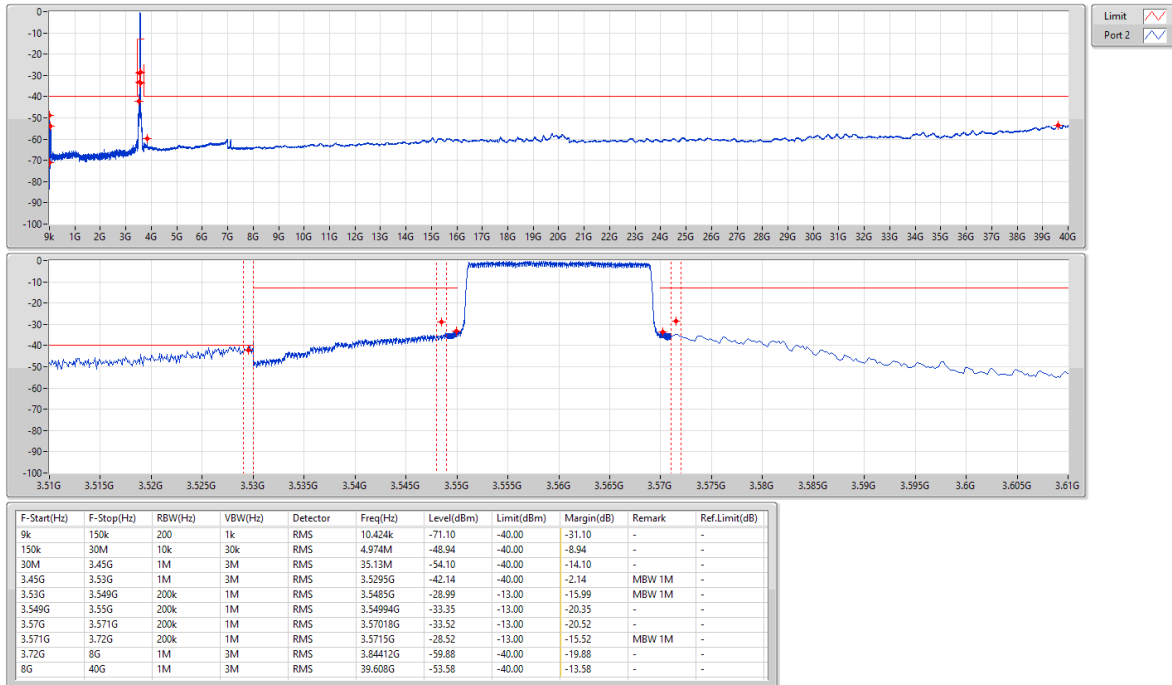
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3560MHz_64QAM_RB 100,#RB 0

CSE-TX-Sum

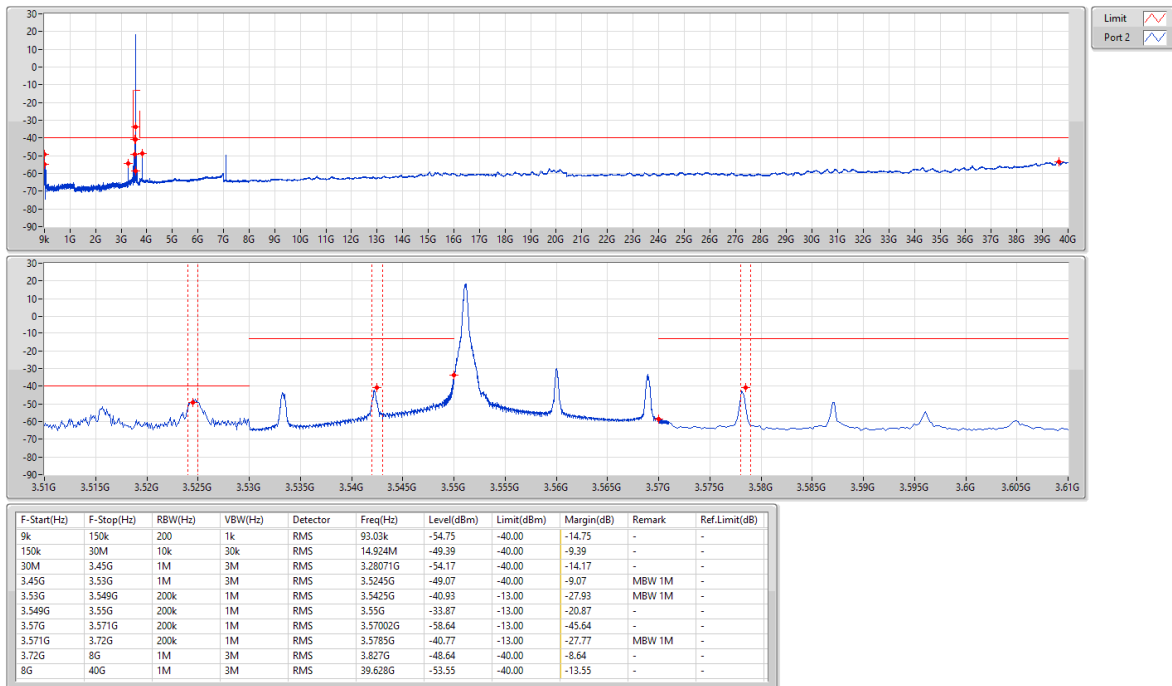
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3560MHz_64QAM_RB 1,#RB L

CSE-TX-Sum

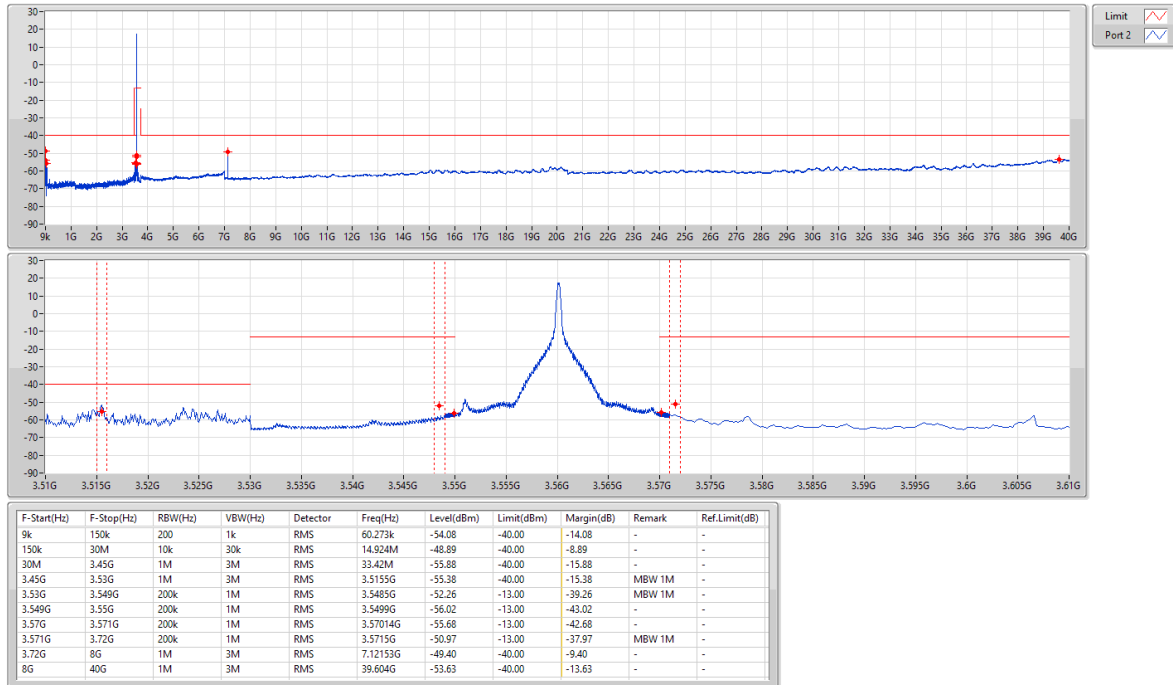
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3560MHz_64QAM_RB 1,#RB M

CSE-TX-Sum

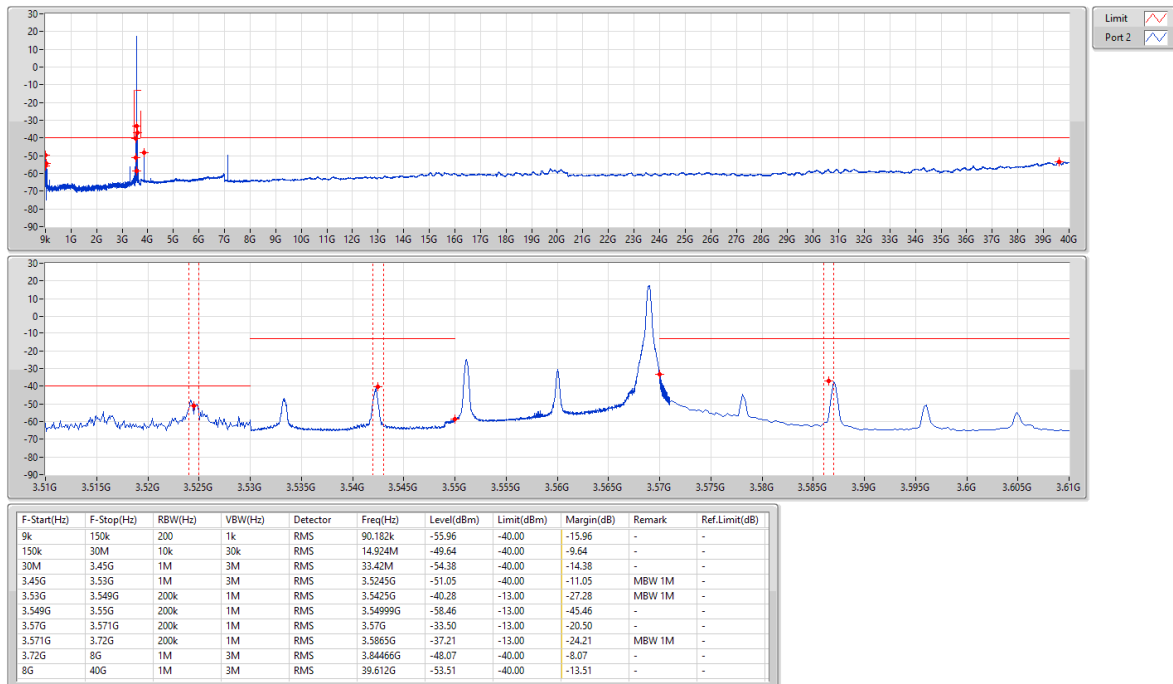
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3560MHz_64QAM_RB 1,#RB H

CSE-TX-Sum

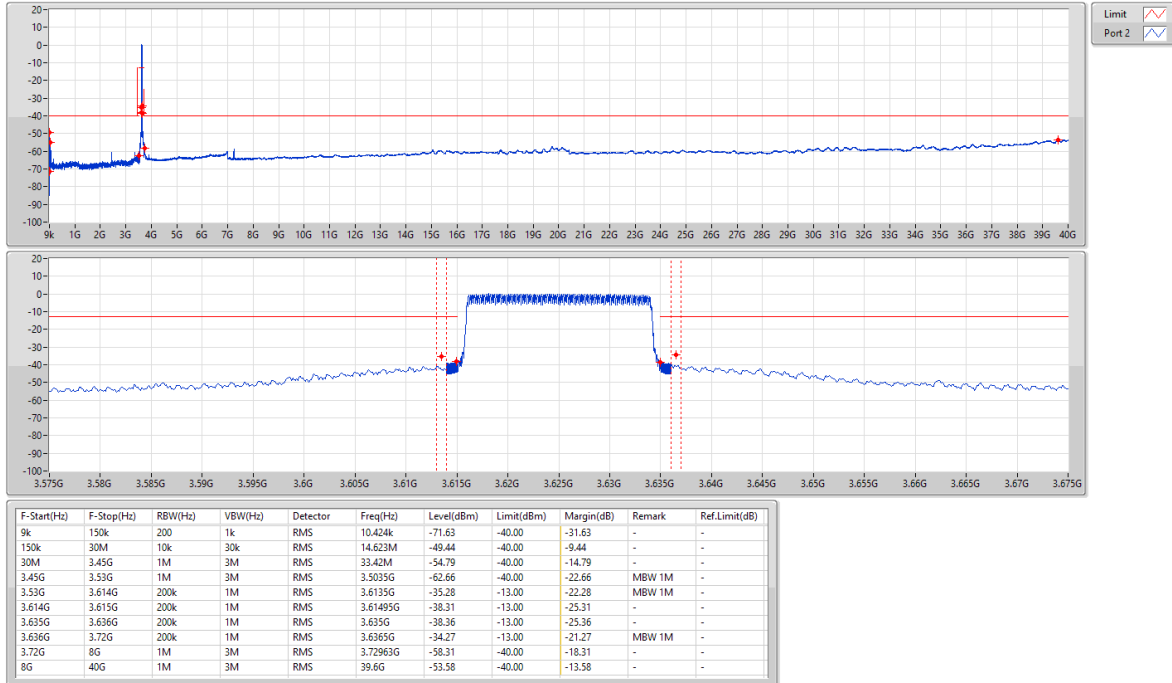
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3625MHz_64QAM_RB 100,#RB 0

CSE-TX-Sum

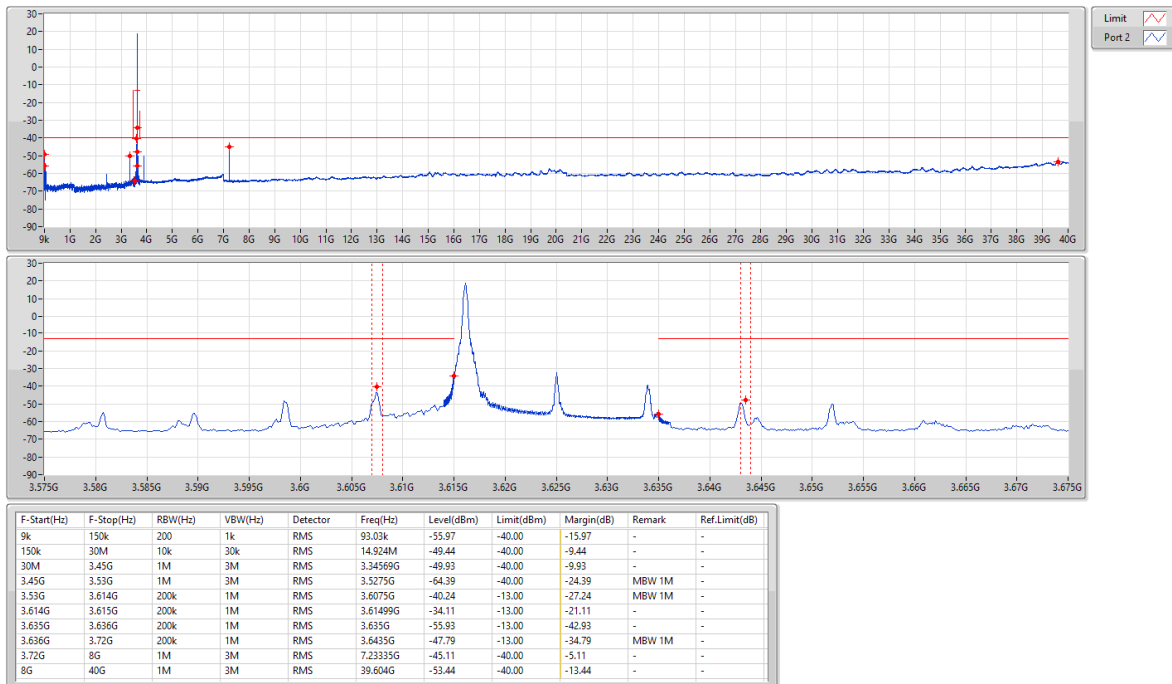
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3625MHz_64QAM_RB 1,#RB L

CSE-TX-Sum

14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3625MHz_64QAM_RB 1,#RB M

CSE-TX-Sum

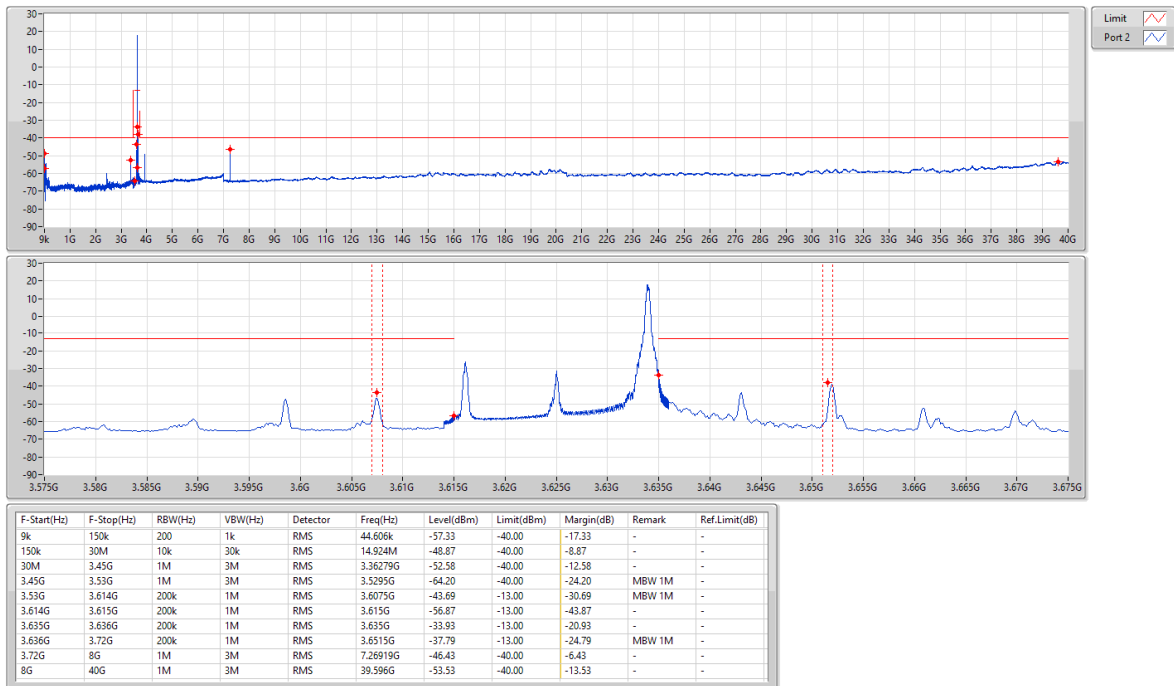
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3625MHz_64QAM_RB 1,#RB H

CSE-TX-Sum

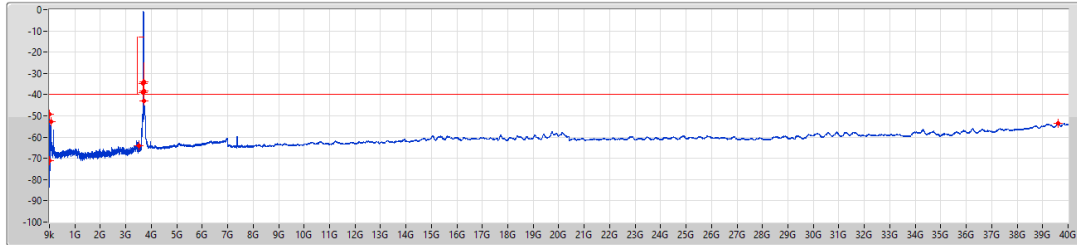
14/12/2020



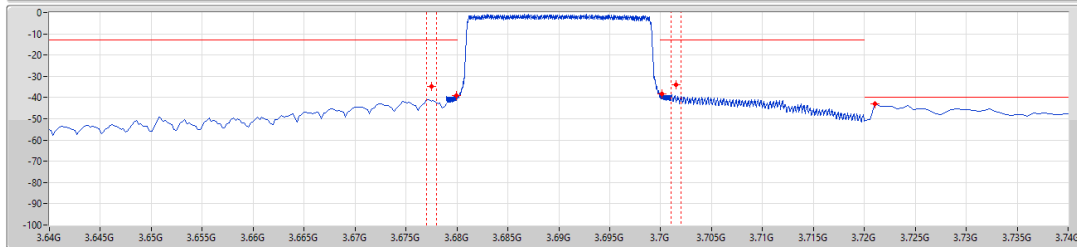
Band 48_LTE_20MHz_Nss1,64QAM_1TX
3690MHz_64QAM_RB 100,#RB 0

CSE-TX-Sum

14/12/2020



Limit
Port 2

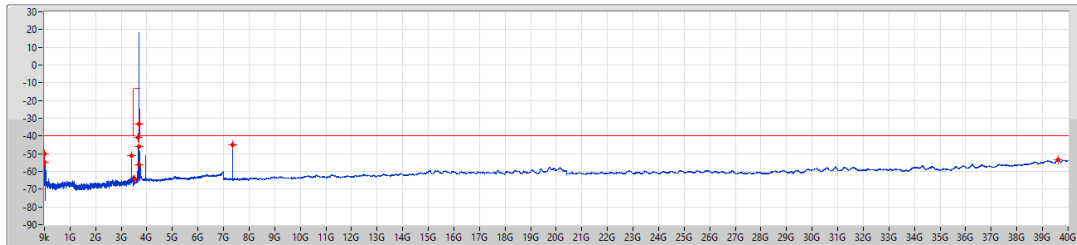


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	RMS	10.424k	-71.10	-40.00	-31.10	-	-
150k	30M	10k	30k	RMS	14.02M	-49.26	-40.00	-9.26	-	-
30M	3.45G	1M	3M	RMS	74.46M	-52.86	-40.00	-12.86	-	-
3.45G	3.53G	1M	3M	RMS	3.5105G	-63.97	-40.00	-23.97	MBW 1M	-
3.53G	3.679G	200k	1M	RMS	3.6775G	-34.71	-13.00	-21.71	MBW 1M	-
3.679G	3.68G	200k	1M	RMS	3.67995G	-39.12	-13.00	-26.12	-	-
3.68G	3.701G	200k	1M	RMS	3.70012G	-38.33	-13.00	-25.33	-	-
3.701G	3.72G	200k	1M	RMS	3.7015G	-33.89	-13.00	-20.89	MBW 1M	-
3.72G	8G	1M	3M	RMS	3.72107G	-42.88	-40.00	-2.88	-	-
8G	40G	1M	3M	RMS	39.608G	-53.50	-40.00	-13.50	-	-

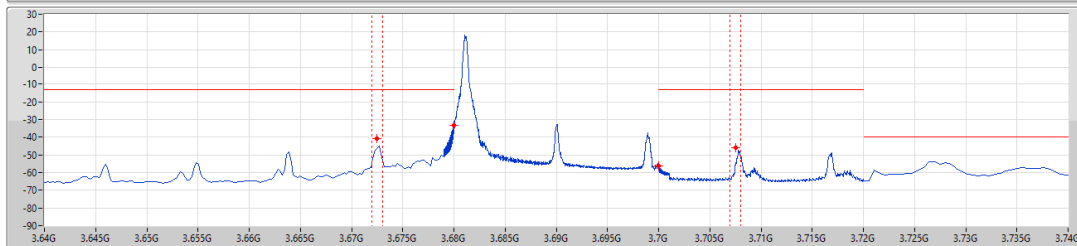
Band 48_LTE_20MHz_Nss1,64QAM_1TX
3690MHz_64QAM_RB 1,#RB L

CSE-TX-Sum

14/12/2020



Limit
Port 2

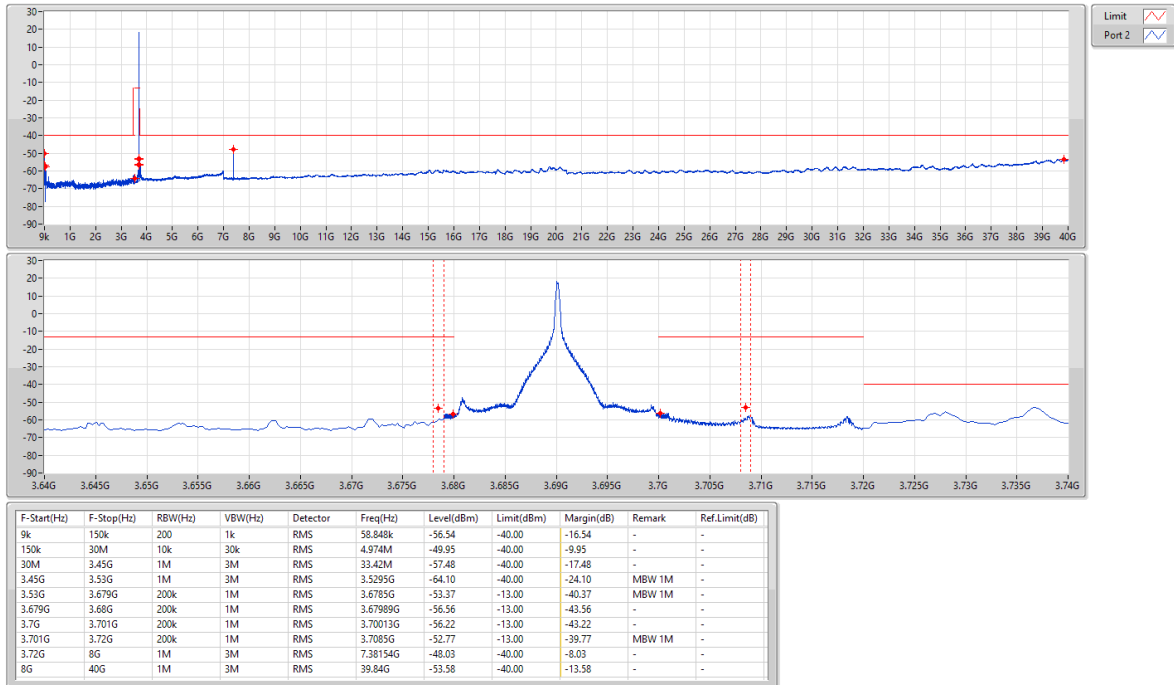


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	VBW(Hz)	Detector	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Remark	Ref.Limit(dB)
9k	150k	200	1k	RMS	105.848k	-54.78	-40.00	-14.78	-	-
150k	30M	10k	30k	RMS	14.623M	-50.06	-40.00	-10.06	-	-
30M	3.45G	1M	3M	RMS	3.41067G	-51.13	-40.00	-11.13	-	-
3.45G	3.53G	1M	3M	RMS	3.5275G	-64.17	-40.00	-24.17	MBW 1M	-
3.53G	3.679G	200k	1M	RMS	3.6725G	-40.84	-13.00	-27.84	MBW 1M	-
3.679G	3.68G	200k	1M	RMS	3.67999G	-33.26	-13.00	-20.26	-	-
3.68G	3.701G	200k	1M	RMS	3.70001G	-36.33	-13.00	-23.33	-	-
3.701G	3.72G	200k	1M	RMS	3.7075G	-46.02	-13.00	-33.02	MBW 1M	-
3.72G	8G	1M	3M	RMS	7.36335G	-44.97	-40.00	-4.97	-	-
8G	40G	1M	3M	RMS	39.604G	-53.53	-40.00	-13.53	-	-

Band 48_LTE_20MHz_Nss1,64QAM_1TX
3690MHz_64QAM_RB 1,#RB M

CSE-TX-Sum

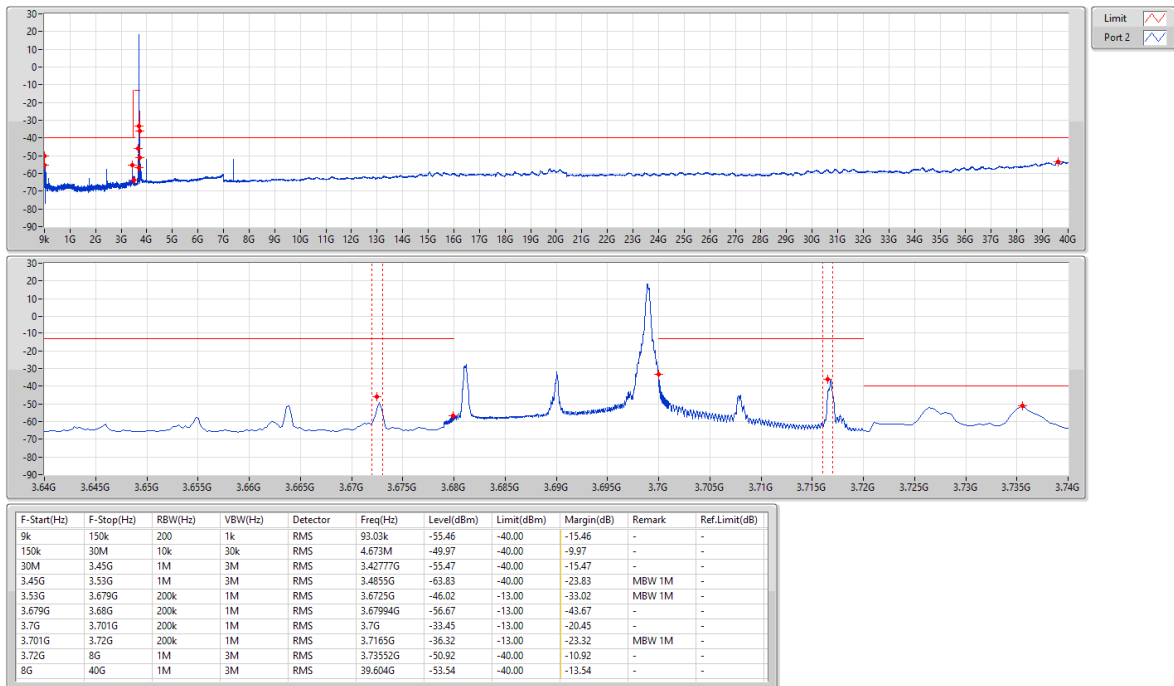
14/12/2020



Band 48_LTE_20MHz_Nss1,64QAM_1TX
3690MHz_64QAM_RB 1,#RB H

CSE-TX-Sum

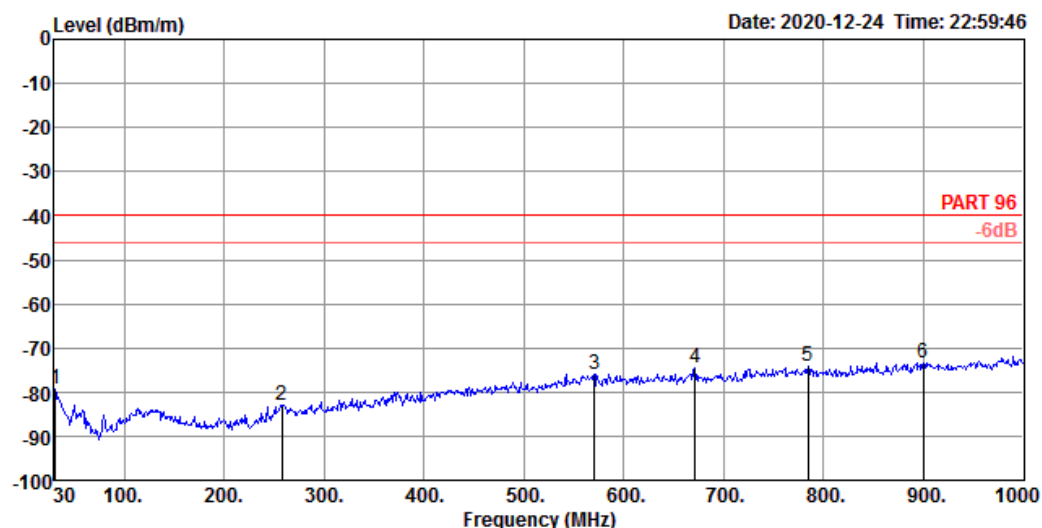
14/12/2020



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

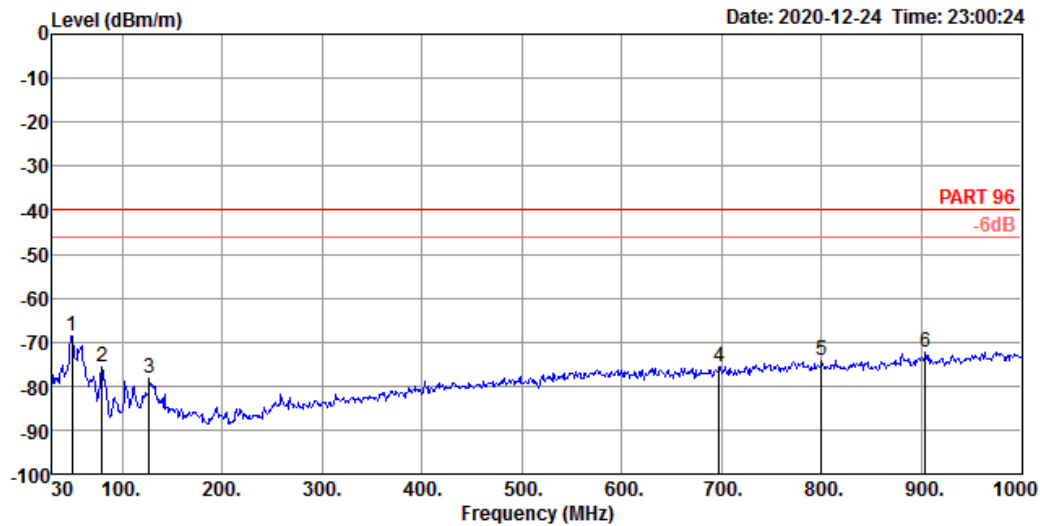
Configurations	20MHz / QPSK
Test Mode	Mode 1, EUT 1 + Set 1 antenna (LTE Band 48)

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBm/m	dBm/m	dB	dBm	dB	dB/m	dB	cm	deg		
1	30.97	-79.25	-40.00	-39.25	-71.73	0.42	23.60	31.54	100	360	Peak	HORIZONTAL
2	257.95	-82.89	-40.00	-42.89	-71.63	1.95	18.75	31.96	100	360	Peak	HORIZONTAL
3	570.29	-76.04	-40.00	-36.04	-71.03	3.08	24.19	32.28	100	360	Peak	HORIZONTAL
4	671.17	-74.51	-40.00	-34.51	-69.85	3.39	24.44	32.49	100	360	Peak	HORIZONTAL
5	784.66	-74.09	-40.00	-34.09	-70.84	3.74	25.29	32.28	100	360	Peak	HORIZONTAL
6	900.09	-73.38	-40.00	-33.38	-71.23	4.30	25.90	32.35	100	360	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBm/m	dBm/m	dB	dBm	dB	dB/m	dB	cm	deg	
1	49.40	-68.52	-40.00	-28.52	-52.26	0.60	14.73	31.59	100	0 Peak	VERTICAL
2	79.47	-75.64	-40.00	-35.64	-57.73	0.90	12.94	31.75	100	0 Peak	VERTICAL
3	127.00	-78.38	-40.00	-38.38	-65.87	1.30	18.01	31.82	100	0 Peak	VERTICAL
4	697.36	-75.56	-40.00	-35.56	-70.99	3.49	24.38	32.44	100	0 Peak	VERTICAL
5	800.18	-74.13	-40.00	-34.13	-70.96	3.80	25.31	32.28	100	0 Peak	VERTICAL
6	903.97	-72.47	-40.00	-32.47	-70.34	4.30	25.90	32.33	100	0 Peak	VERTICAL

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

Configurations	20MHz / QPSK
Test Mode	Mode 1, EUT 1 + Set 1 antenna (LTE Band 48)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBm/m	dBm/m	dB	dBm	dB	dB/m	dB	cm	deg		
1	1728.04	-82.53	-40.00	-42.53	-74.51	3.53	24.95	36.50	166	73	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBm/m	dBm/m	dB	dBm	dB	dB/m	dB	cm	deg		
1	1728.04	-82.84	-40.00	-42.84	-74.82	3.53	24.95	36.50	202	277	Peak	VERTICAL



Summary

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port	Remark
Band 48	-	-	-	-	-	-	-	-	-
LTE_20MHz_Nss1,QPSK_1TX	Pass	3.625G	3.624989G	3.616054G	3.633924G	0.0031	3.55G,3.7G,Inf	2	-



Result

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (Fl,Fh,ppm)	Port
Band 48_LTE_20MHz_Nss1,QPSK_1TX	-	-	-	-	-	-	-	-
3625MHz_ -30°C	Pass	3.625G	3.624998G	3.616076G	3.63392G	0.0025	3.55G,3.7G,Inf	2
3625MHz_ -20°C	Pass	3.625G	3.625006G	3.616087G	3.633924G	-0.0025	3.55G,3.7G,Inf	2
3625MHz_ -10°C	Pass	3.625G	3.624987G	3.616065G	3.633909G	-0.0012	3.55G,3.7G,Inf	2
3625MHz_ 0°C	Pass	3.625G	3.624998G	3.616061G	3.633935G	-0.002	3.55G,3.7G,Inf	2
3625MHz_ 10°C	Pass	3.625G	3.625002G	3.616061G	3.633943G	0.0006	3.55G,3.7G,Inf	2
3625MHz_ 20°C	Pass	3.625G	3.624996G	3.616065G	3.633928G	-0.0024	3.55G,3.7G,Inf	2
3625MHz_ 30°C	Pass	3.625G	3.625002G	3.61608G	3.633924G	-0.0019	3.55G,3.7G,Inf	2
3625MHz_ 40°C	Pass	3.625G	3.624998G	3.616065G	3.633931G	0.0002	3.55G,3.7G,Inf	2
3625MHz_ 50°C	Pass	3.625G	3.624996G	3.616054G	3.633939G	0.0007	3.55G,3.7G,Inf	2
3625MHz_126.5V	Pass	3.625G	3.624989G	3.616054G	3.633924G	0.0031	3.55G,3.7G,Inf	2
3625MHz_110V	Pass	3.625G	3.624989G	3.616072G	3.633905G	0.003	3.55G,3.7G,Inf	2
3625MHz_93.5V	Pass	3.625G	3.624987G	3.616054G	3.63392G	0.0009	3.55G,3.7G,Inf	2