

1. Effective (Isotropic) Radiated Power Output Data

LTE Band 2

Test Band: 2 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.46	20.18	20.19	/	0.96	21.42	21.14	21.15	33.01	PASS
		25	20.27	20.32	20.42	/	0.96	21.23	21.28	21.38	33.01	PASS
		49	20.3	20.27	20.38	/	0.96	21.26	21.23	21.34	33.01	PASS
	25	0	19.54	19.45	19.29	/	0.96	20.5	20.41	20.25	33.01	PASS
		13	19.48	19.48	19.32	/	0.96	20.44	20.44	20.28	33.01	PASS
		25	19.43	19.35	19.27	/	0.96	20.39	20.31	20.23	33.01	PASS
	50	0	19.48	19.35	19.18	/	0.96	20.44	20.31	20.14	33.01	PASS
	19.32		19.28	19.13	/	0.96	20.28	20.24	20.09	33.01	PASS	
	16QAM	1	25	19.21	18.89	18.89	/	0.96	20.17	19.85	19.85	33.01
49			18.87	18.95	18.97	/	0.96	19.83	19.91	19.93	33.01	PASS
0			18.53	18.43	18.19	/	0.96	19.49	19.39	19.15	33.01	PASS
25		13	18.46	18.53	18.46	/	0.96	19.42	19.49	19.42	33.01	PASS
		25	18.47	18.43	18.56	/	0.96	19.43	19.39	19.52	33.01	PASS
		0	18.49	18.48	18.57	/	0.96	19.45	19.44	19.53	33.01	PASS

Note:
 1) dBd = dBi - 2.15
 2) EIRP = Conducted output power + Antenna gain (dBi)

LTE Band 4

Test Band: 4 _ 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.66	20.19	20.53	/	-0.39	20.27	19.80	20.14	30.00	PASS
		38	20.47	20.25	20.21	/	-0.39	20.08	19.86	19.82	30.00	PASS
		74	20.30	20.33	20.28	/	-0.39	19.91	19.94	19.89	30.00	PASS
	36	0	19.68	19.23	19.51	/	-0.39	19.29	18.84	19.12	30.00	PASS
		18	19.64	19.19	19.62	/	-0.39	19.25	18.8	19.23	30.00	PASS
		39	19.41	19.36	19.57	/	-0.39	19.02	18.97	19.18	30.00	PASS
	75	0	19.59	19.28	19.50	/	-0.39	19.20	18.89	19.11	30.00	PASS
	19.92		19.84	19.25	/	-0.39	19.53	19.45	18.86	30.00	PASS	
	16QAM	1	38	19.75	19.78	18.87	/	-0.39	19.36	19.39	18.48	30.00
74			19.42	19.92	18.99	/	-0.39	19.03	19.53	18.60	30.00	PASS
0			18.55	18.25	18.52	/	-0.39	18.16	17.86	18.13	30.00	PASS
36		18	18.63	18.26	18.29	/	-0.39	18.24	17.87	17.90	30.00	PASS
		39	18.46	18.40	18.12	/	-0.39	18.07	18.01	17.73	30.00	PASS
		0	18.63	18.24	18.54	/	-0.39	18.24	17.85	18.15	30.00	PASS

Note:
 1) dBd = dBi - 2.15
 2) EIRP = Conducted output power + Antenna gain (dBi)

LTE Band 5

Test Band: 5 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.64	20.87	20.98	-2.78	-0.63	17.86	18.09	18.20	38.45	PASS
		25	20.78	20.91	20.87	-2.78	-0.63	18.00	18.13	18.09	38.45	PASS
		49	20.89	20.89	21.08	-2.78	-0.63	18.11	18.11	18.30	38.45	PASS
	25	0	19.59	20.01	20.41	-2.78	-0.63	16.81	17.23	17.63	38.45	PASS
		13	20.21	20.13	20.14	-2.78	-0.63	17.43	17.35	17.36	38.45	PASS
		25	19.58	20.48	19.99	-2.78	-0.63	16.80	17.70	17.21	38.45	PASS
	50	0	20.38	20.80	20.41	-2.78	-0.63	17.60	18.02	17.63	38.45	PASS
			20.40	19.88	20.13	-2.78	-0.63	17.62	17.10	17.35	38.45	PASS
	16QAM	1	25	20.48	19.87	20.82	-2.78	-0.63	17.70	17.09	18.04	38.45
49			20.82	19.78	20.64	-2.78	-0.63	18.04	17.00	17.86	38.45	PASS
0			19.29	18.99	19.58	-2.78	-0.63	16.51	16.21	16.80	38.45	PASS
25		13	19.52	19.35	19.99	-2.78	-0.63	16.74	16.57	17.21	38.45	PASS
		25	19.31	19.78	19.58	-2.78	-0.63	16.53	17.00	16.80	38.45	PASS
		50	0	18.59	19.82	19.90	-2.78	-0.63	15.81	17.04	17.12	38.45

Note:
 1) dBd = dBi - 2.15
 2) EIRP = Conducted output power + Antenna gain (dBi)
 3) ERP = Conducted output power + Antenna gain (dBd)

LTE Band 12

Test Band: 12 _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.76	21.22	21.35	-3.04	-0.89	18.72	18.18	18.31	34.77	PASS
		7	22.89	21.18	21.36	-3.04	-0.89	19.85	18.14	18.32	34.77	PASS
		14	21.53	21.17	21.44	-3.04	-0.89	18.49	18.13	18.40	34.77	PASS
	8	0	20.76	20.27	20.36	-3.04	-0.89	17.72	17.23	17.32	34.77	PASS
		4	20.67	20.29	20.48	-3.04	-0.89	17.63	17.25	17.44	34.77	PASS
		7	20.61	20.26	20.46	-3.04	-0.89	17.57	17.22	17.42	34.77	PASS
	15	0	20.66	20.32	20.41	-3.04	-0.89	17.62	17.28	17.37	34.77	PASS
			20.86	20.47	20.92	-3.04	-0.89	17.82	17.43	17.88	34.77	PASS
	16QAM	1	7	20.62	20.37	20.97	-3.04	-0.89	17.58	17.33	17.93	34.77
14			20.56	20.41	21.02	-3.04	-0.89	17.52	17.37	17.98	34.77	PASS
0			19.80	19.28	19.58	-3.04	-0.89	16.76	16.24	16.54	34.77	PASS
8		4	19.73	19.32	19.66	-3.04	-0.89	16.69	16.28	16.62	34.77	PASS
		7	19.68	19.23	19.64	-3.04	-0.89	16.64	16.19	16.60	34.77	PASS
		15	0	20.12	19.29	19.51	-3.04	-0.89	17.08	16.25	16.47	34.77

Note:
 1) dBd = dBi - 2.15
 2) EIRP = Conducted output power + Antenna gain (dBi)
 3) ERP = Conducted output power + Antenna gain (dBd)

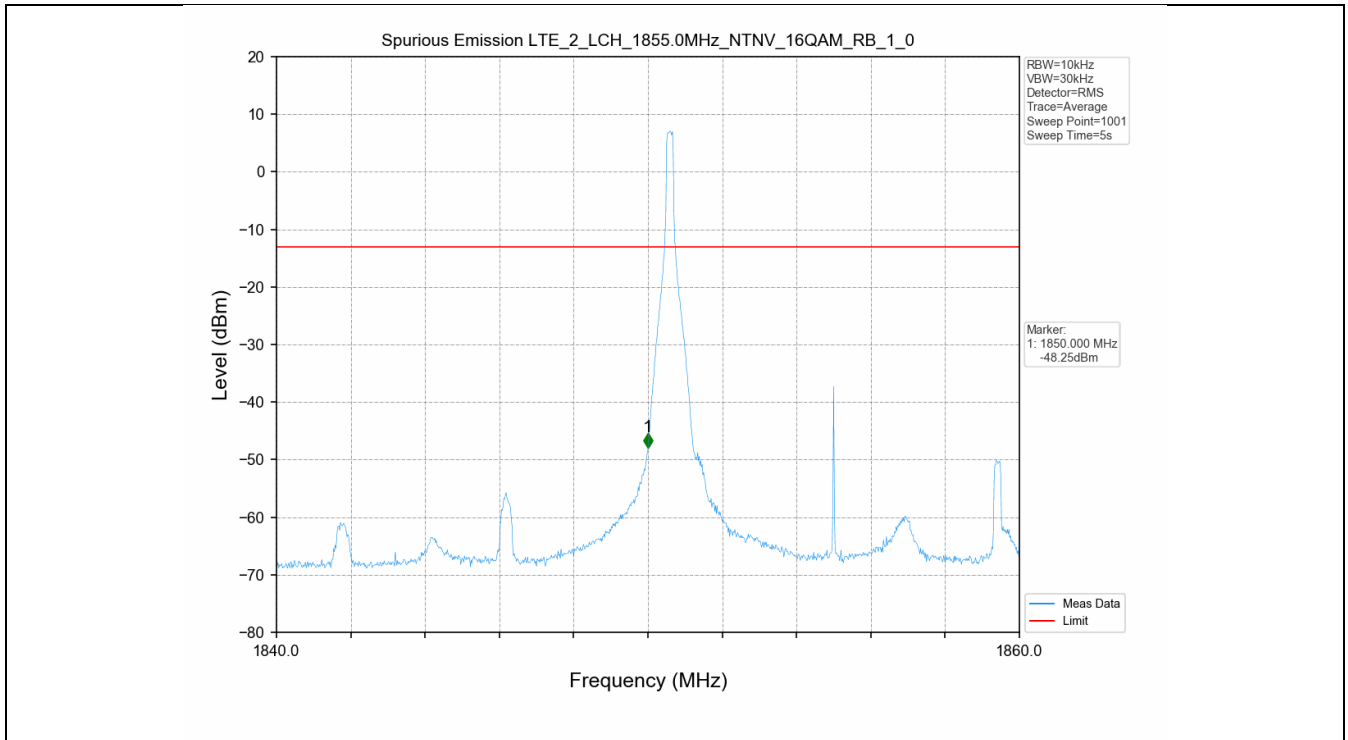
LTE Band 13

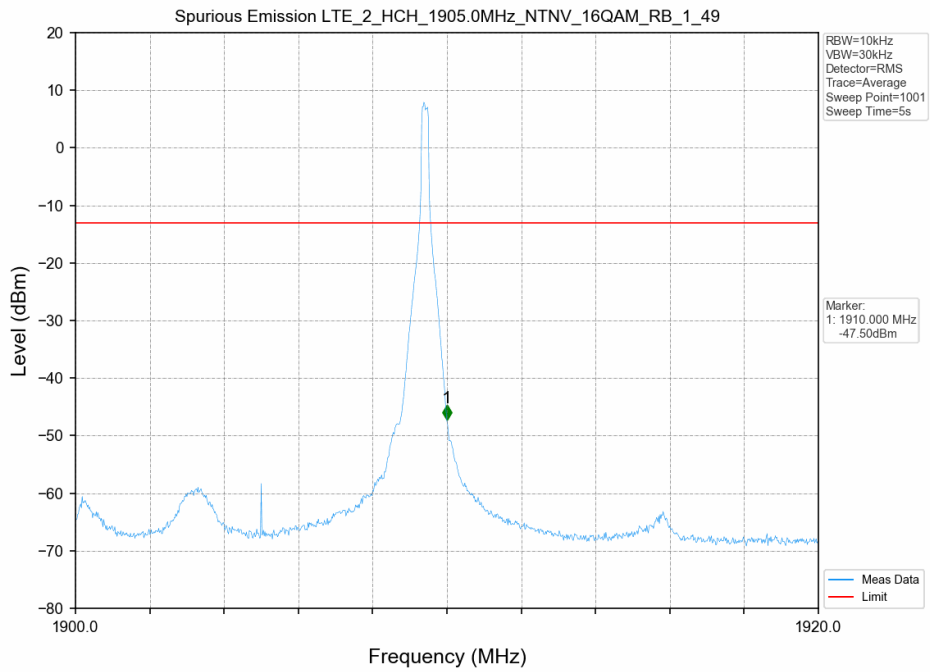
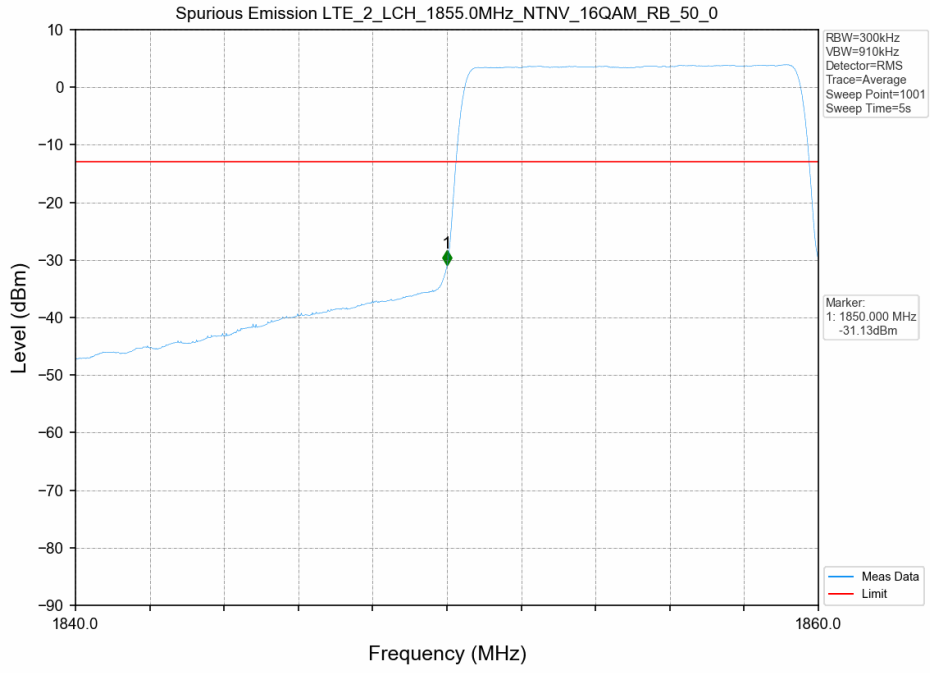
Test Band: 13_ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	/	21.39	/	-4.48	-2.33	/	16.91	/	34.77	PASS
		25	/	21.14	/	-4.48	-2.33	/	16.66	/	34.77	PASS
		49	/	19.98	/	-4.48	-2.33	/	15.50	/	34.77	PASS
	25	0	/	20.13	/	-4.48	-2.33	/	15.65	/	34.77	PASS
		13	/	20.47	/	-4.48	-2.33	/	15.99	/	34.77	PASS
		25	/	20.32	/	-4.48	-2.33	/	15.84	/	34.77	PASS
50	0	/	20.59	/	-4.48	-2.33	/	16.11	/	34.77	PASS	
16QAM	1	0	/	20.18	/	-4.48	-2.33	/	15.70	/	34.77	PASS
		25	/	19.53	/	-4.48	-2.33	/	15.05	/	34.77	PASS
		49	/	20.17	/	-4.48	-2.33	/	15.69	/	34.77	PASS
	25	0	/	18.97	/	-4.48	-2.33	/	14.49	/	34.77	PASS
		13	/	19.28	/	-4.48	-2.33	/	14.80	/	34.77	PASS
		25	/	19.18	/	-4.48	-2.33	/	14.70	/	34.77	PASS
	50	0	/	19.73	/	-4.48	-2.33	/	15.25	/	34.77	PASS

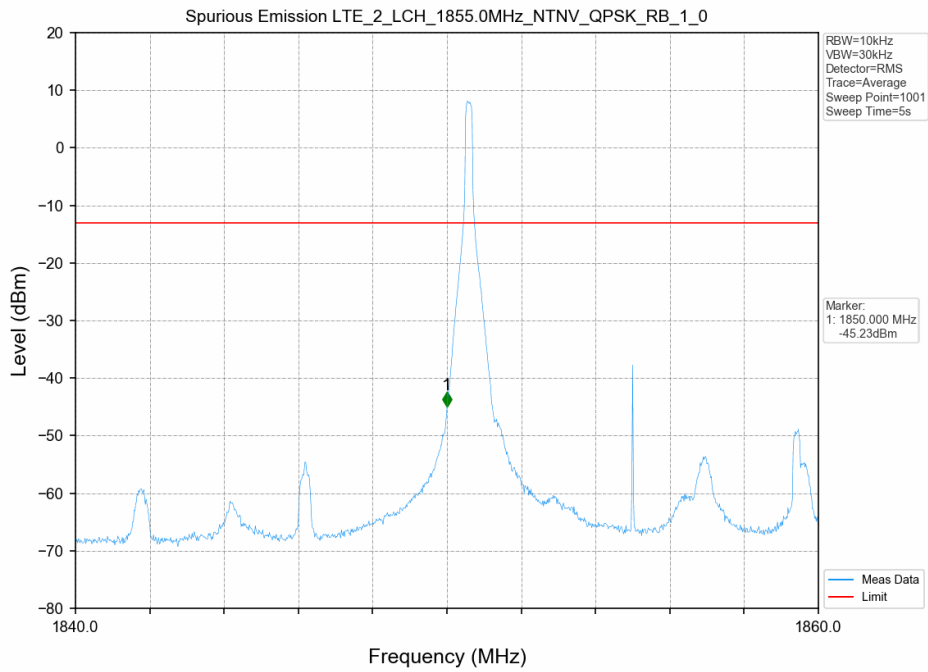
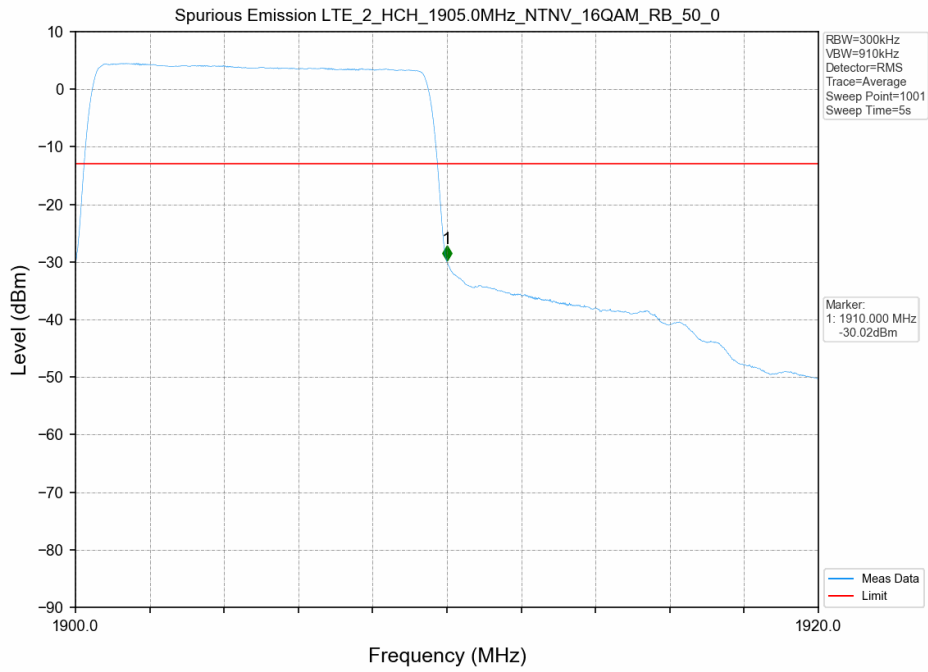
Note:
 1) dBd = dBi - 2.15
 2) EIRP = Conducted output power + Antenna gain (dBi)
 3) ERP = Conducted output power + Antenna gain (dBd)

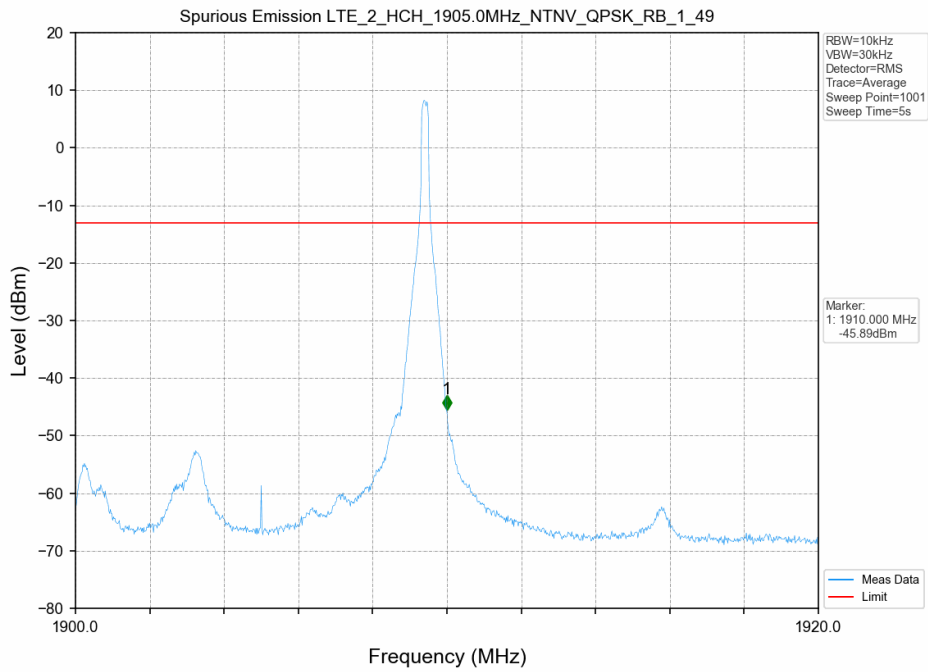
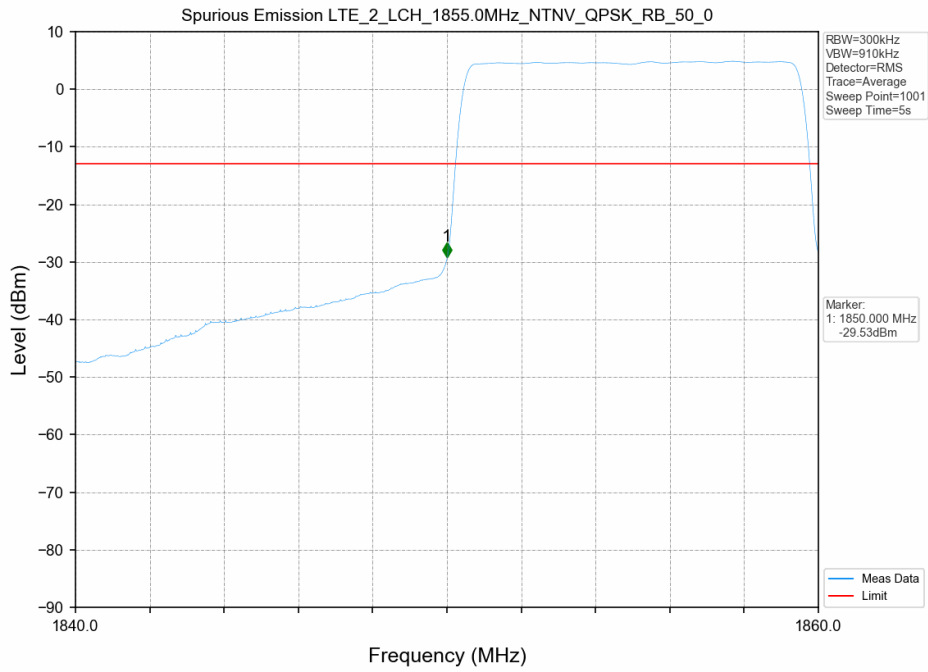
2. Band Edge

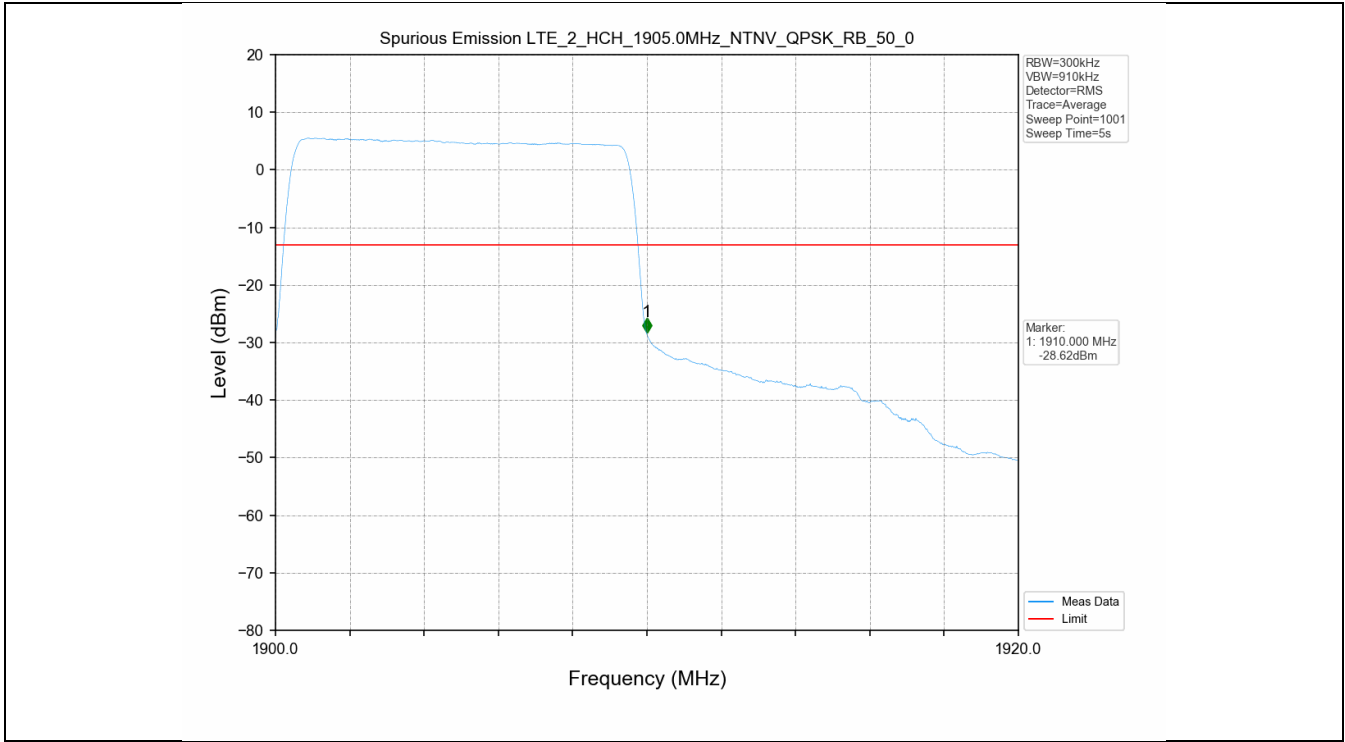
LTE Band 2(10M)



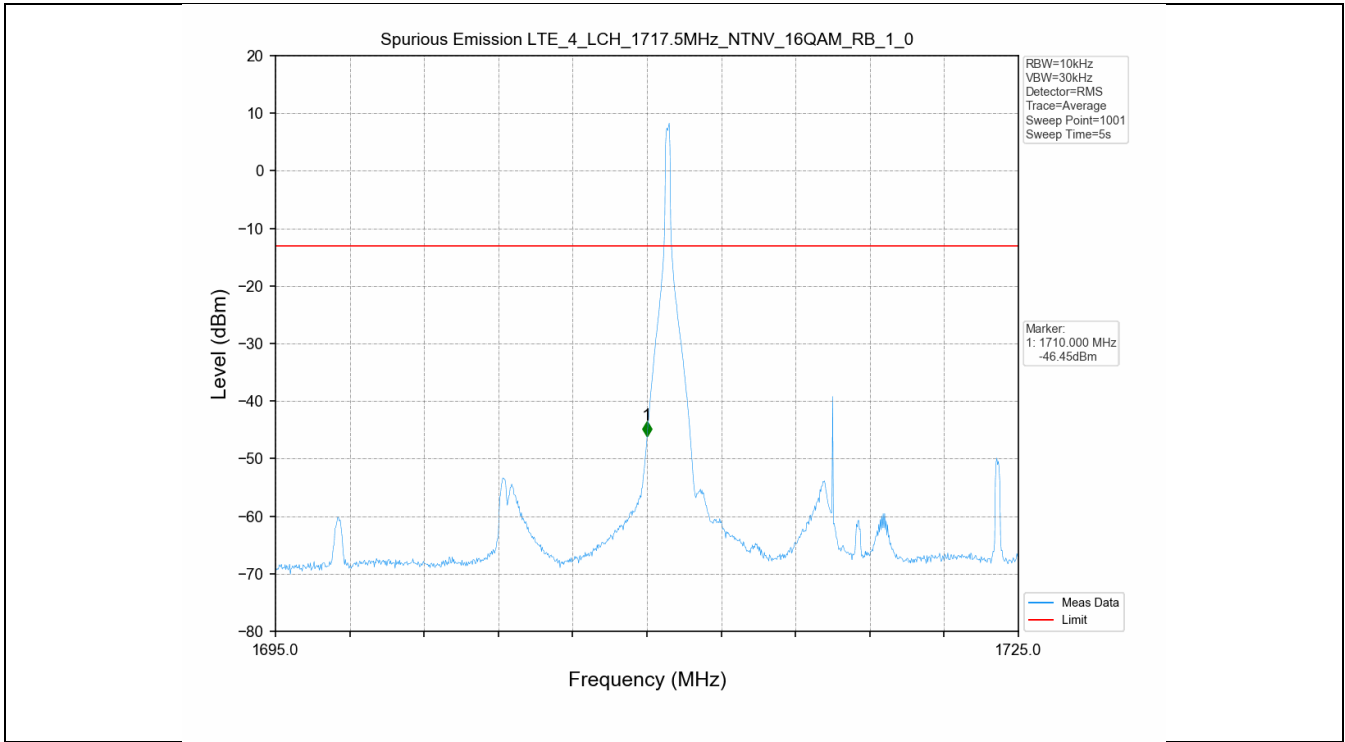


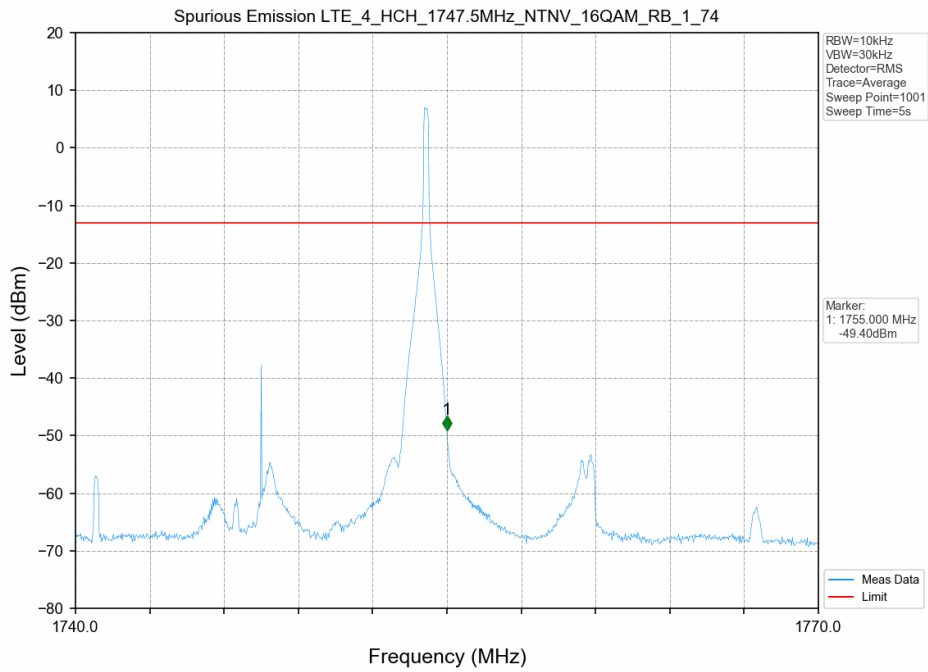
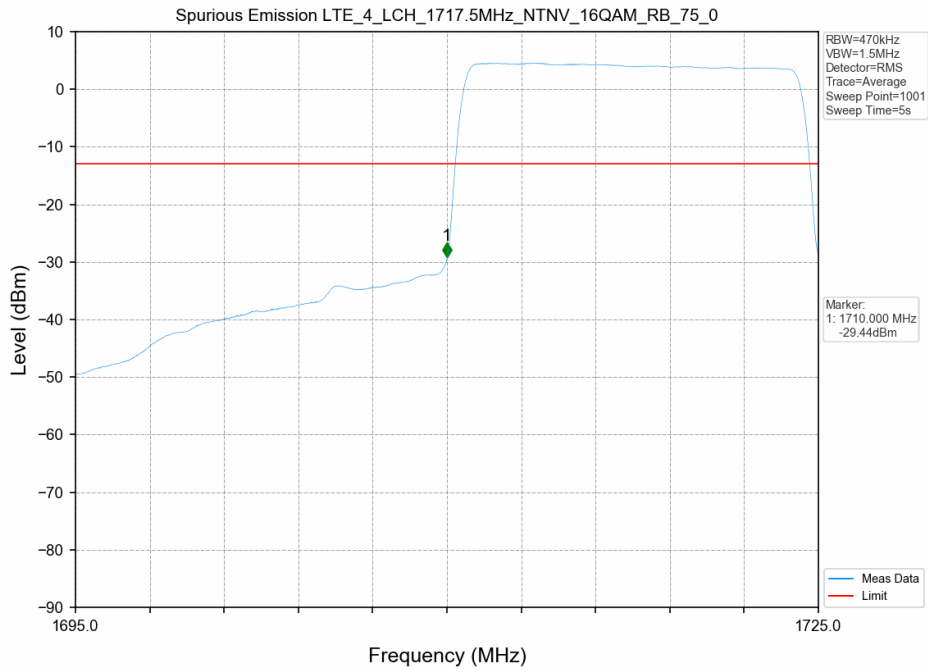


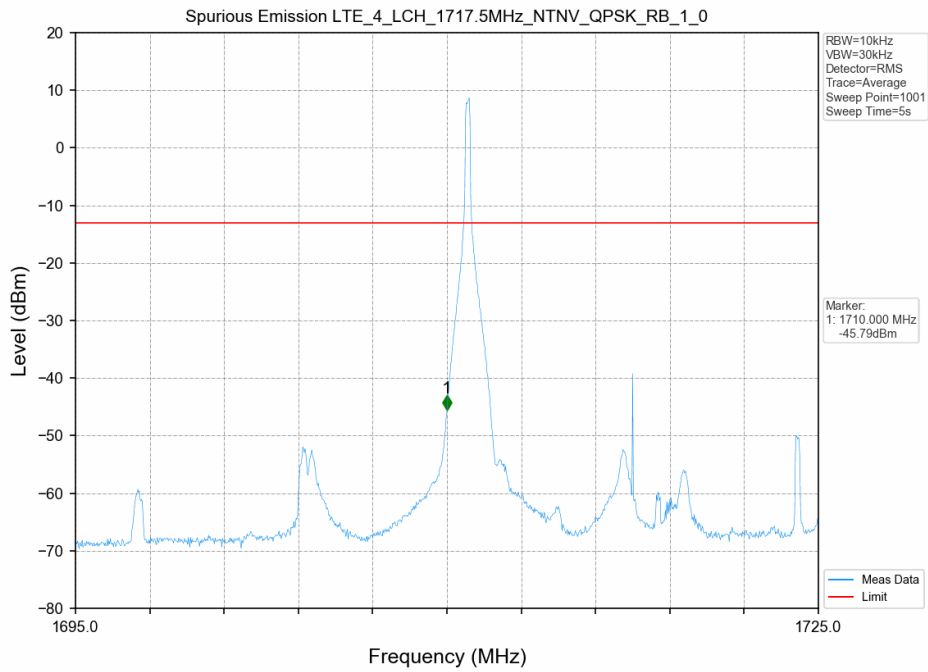
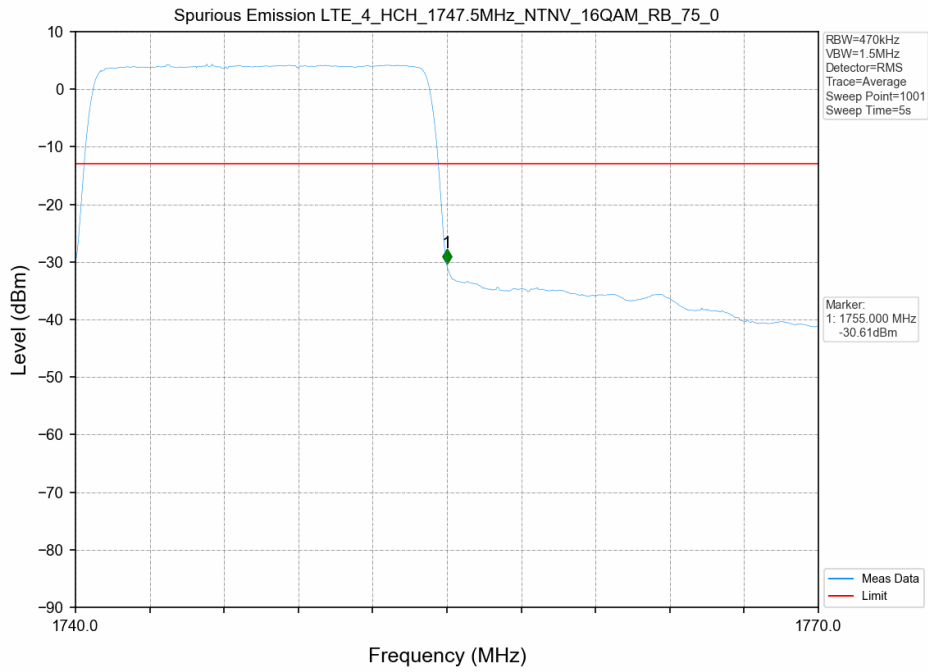


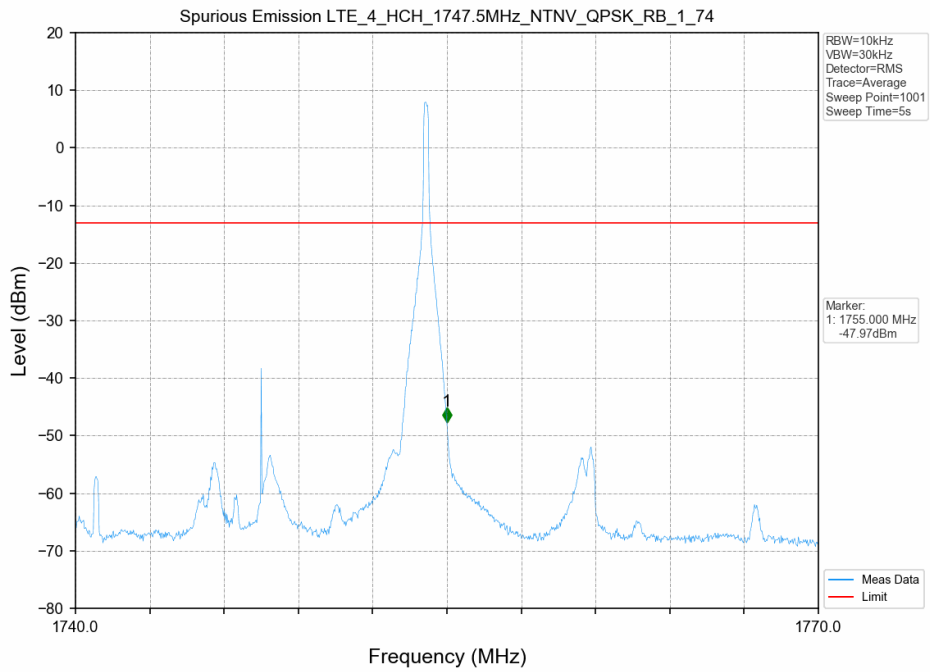
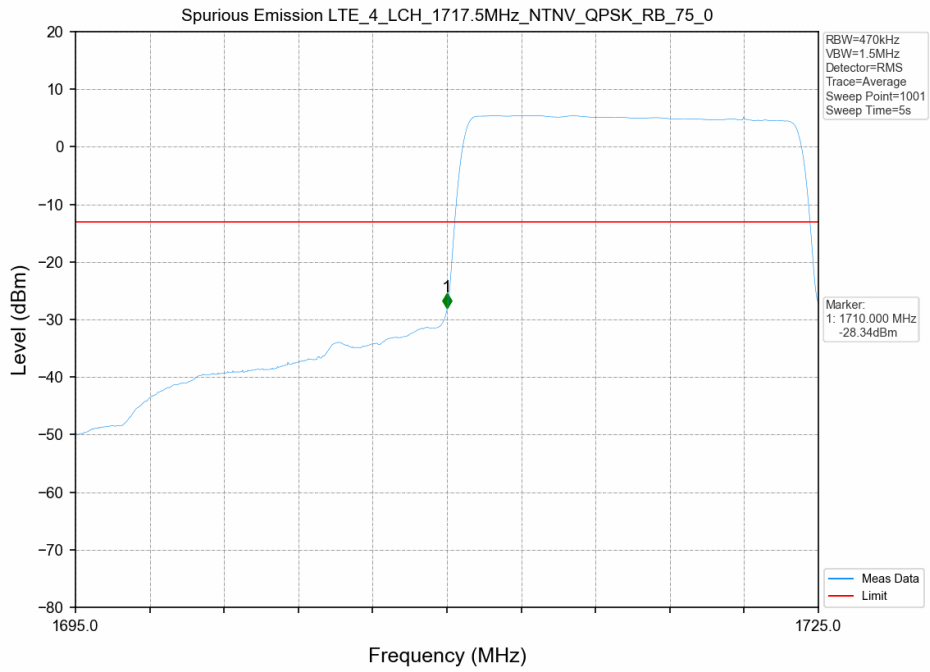


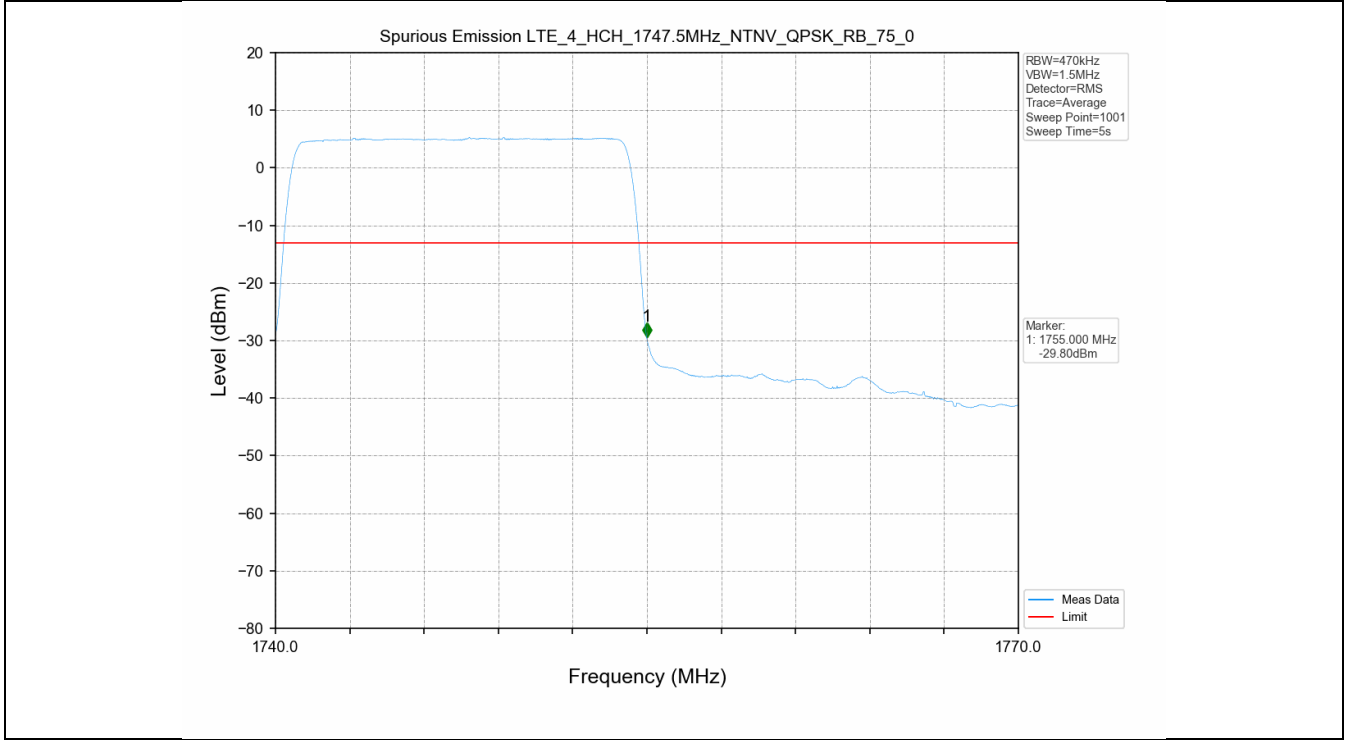
LTE Band 4(15M)



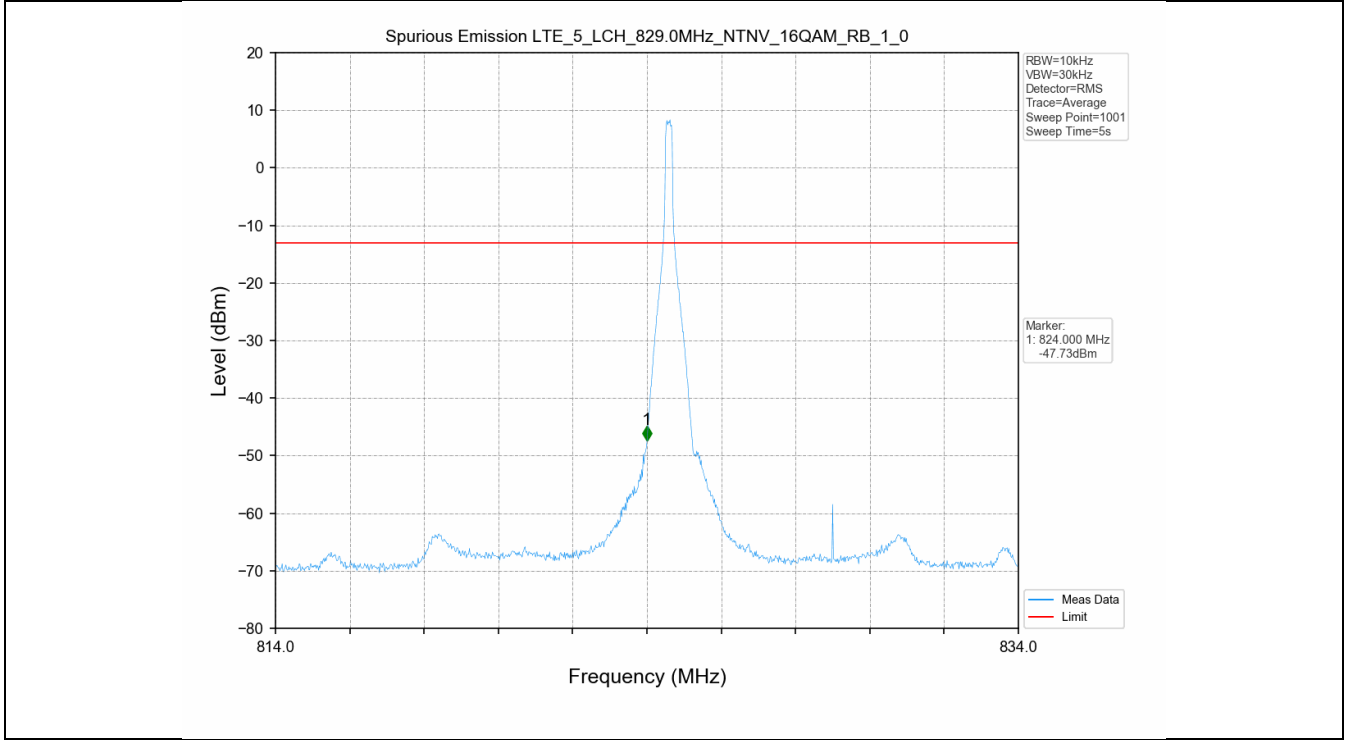


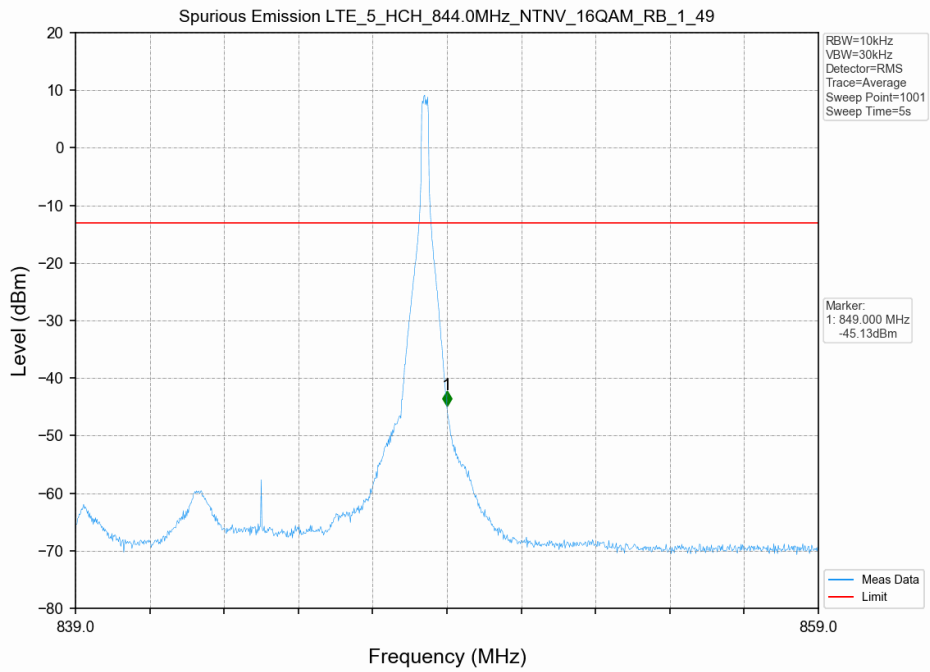
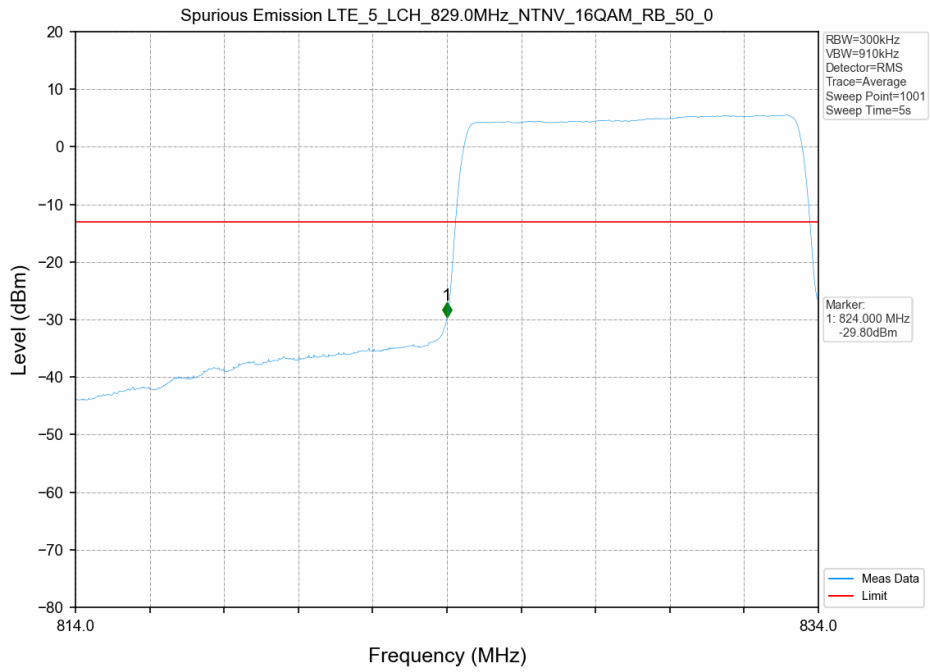


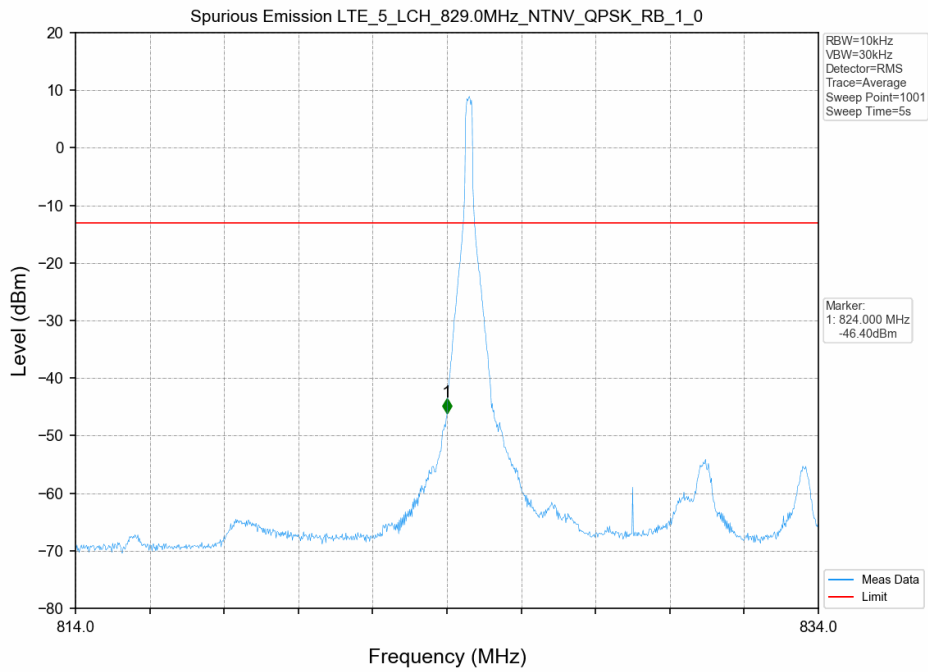
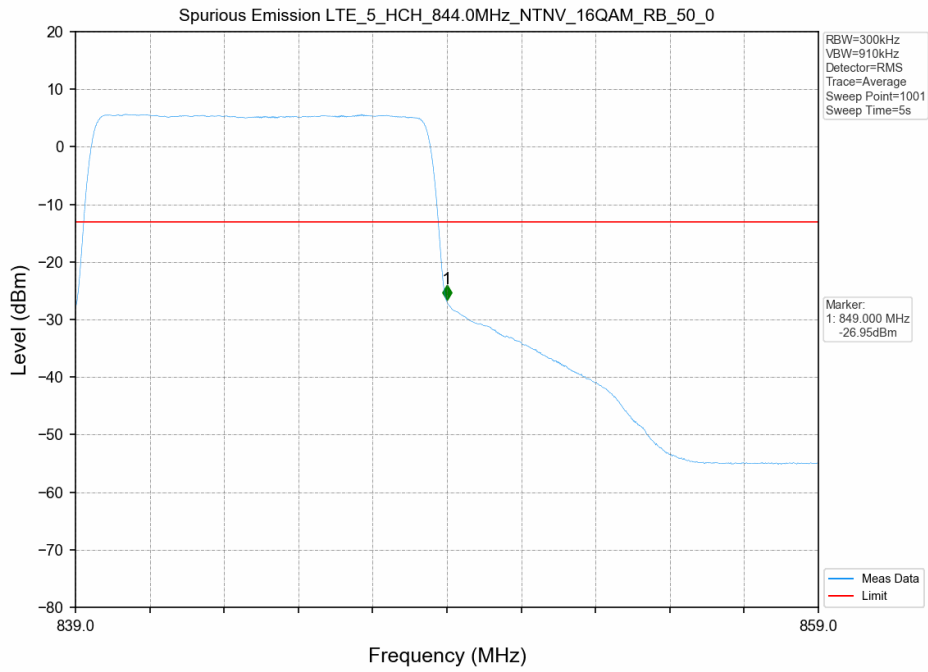


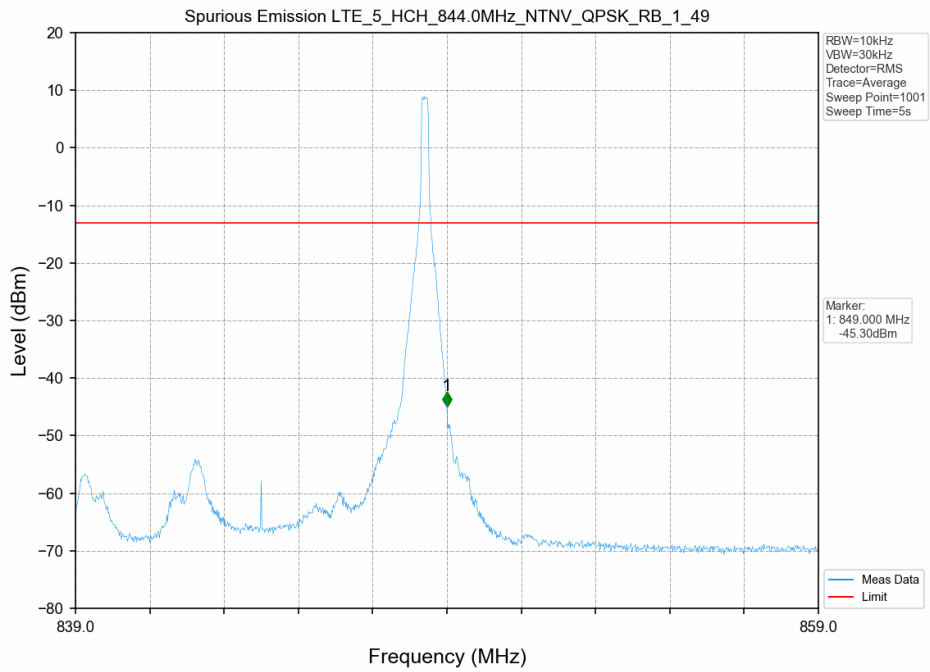
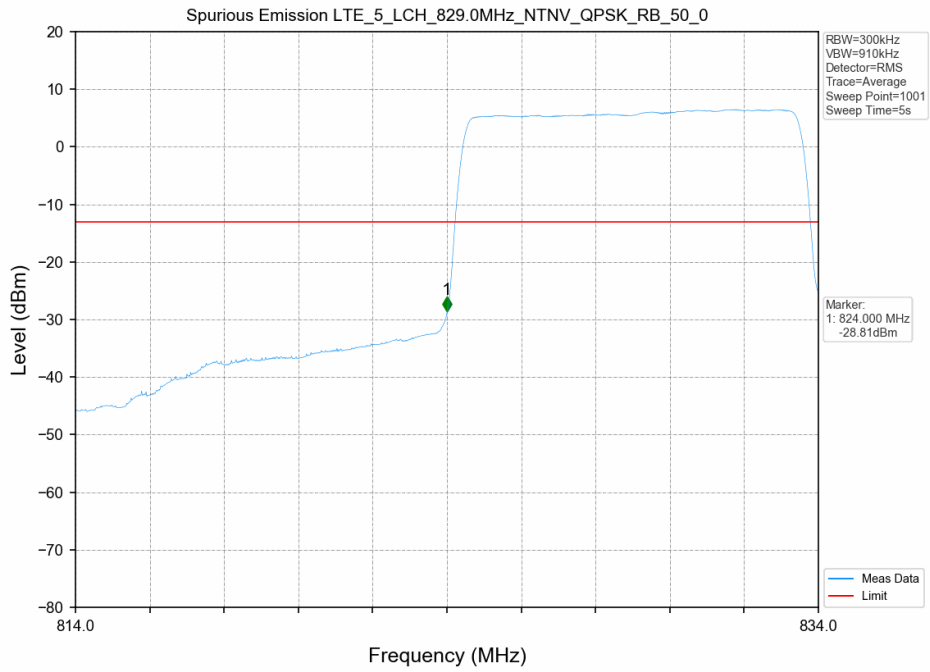


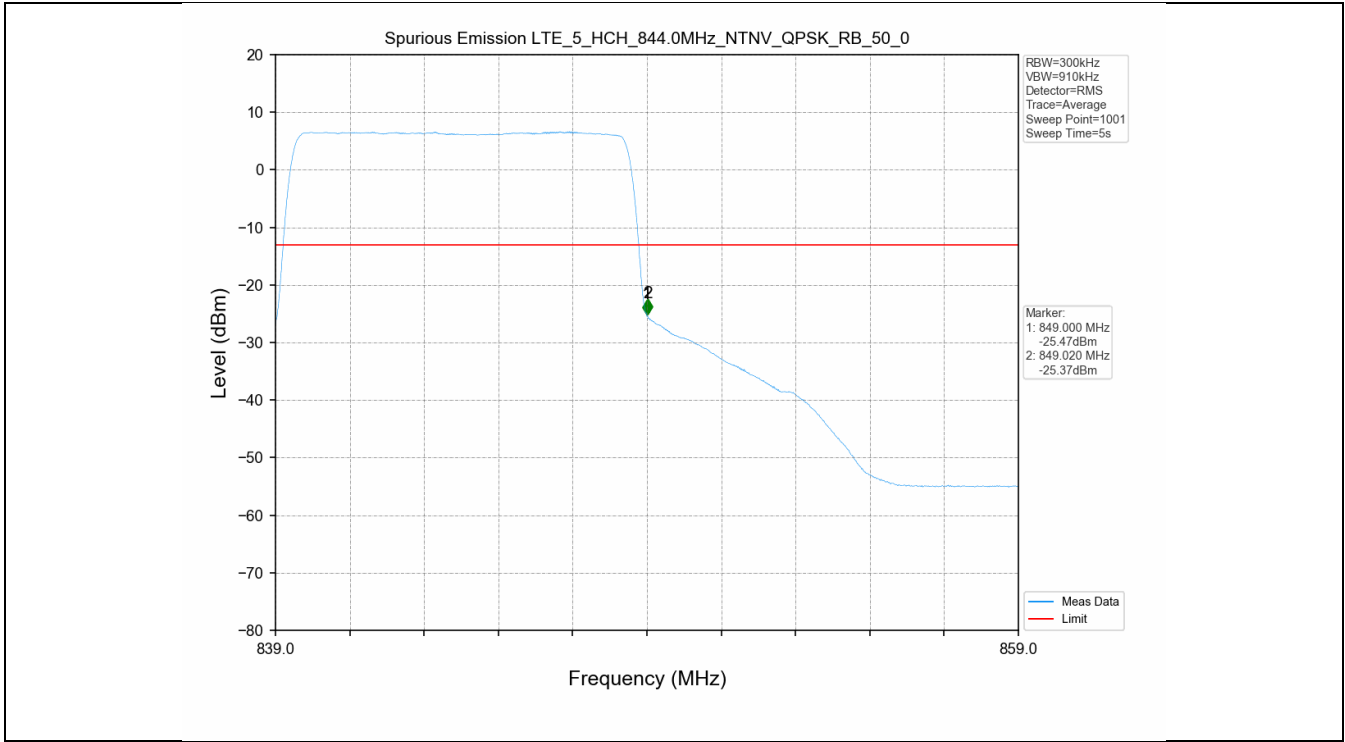
LTE Band 5(10M)



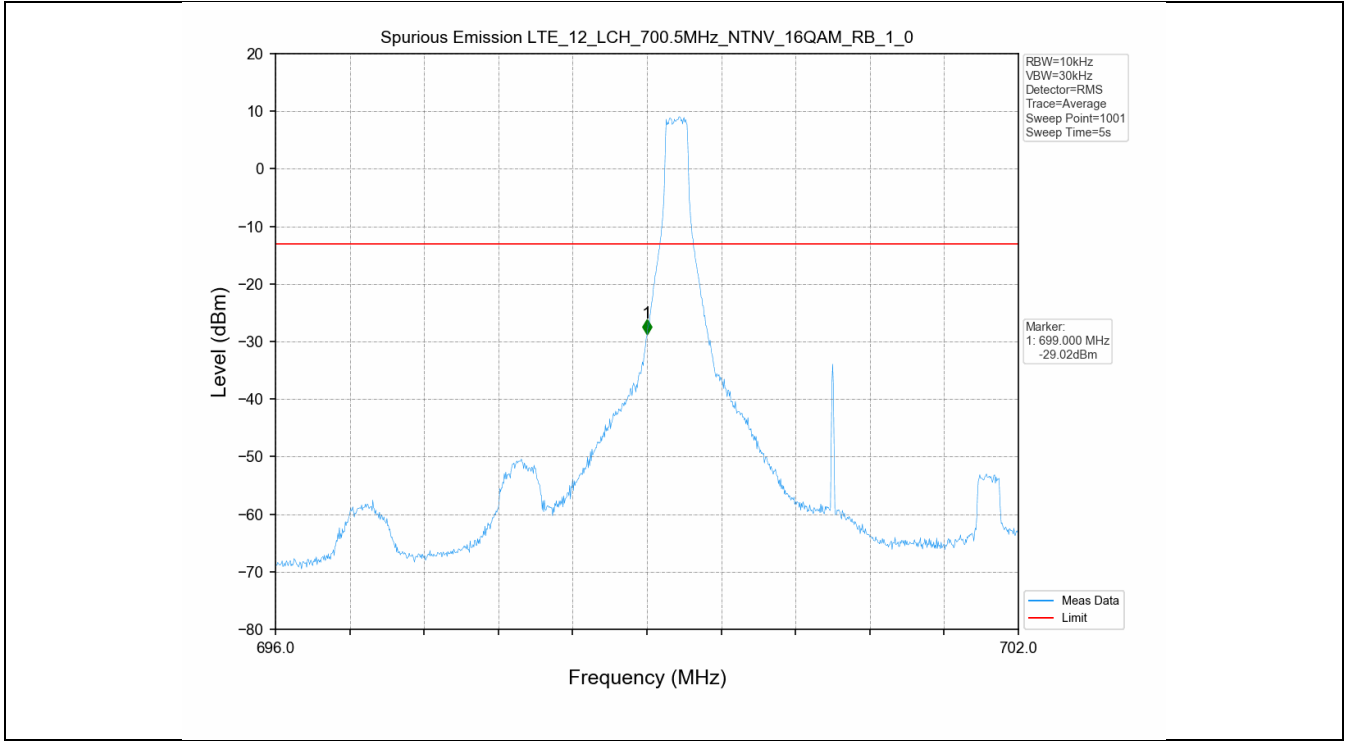


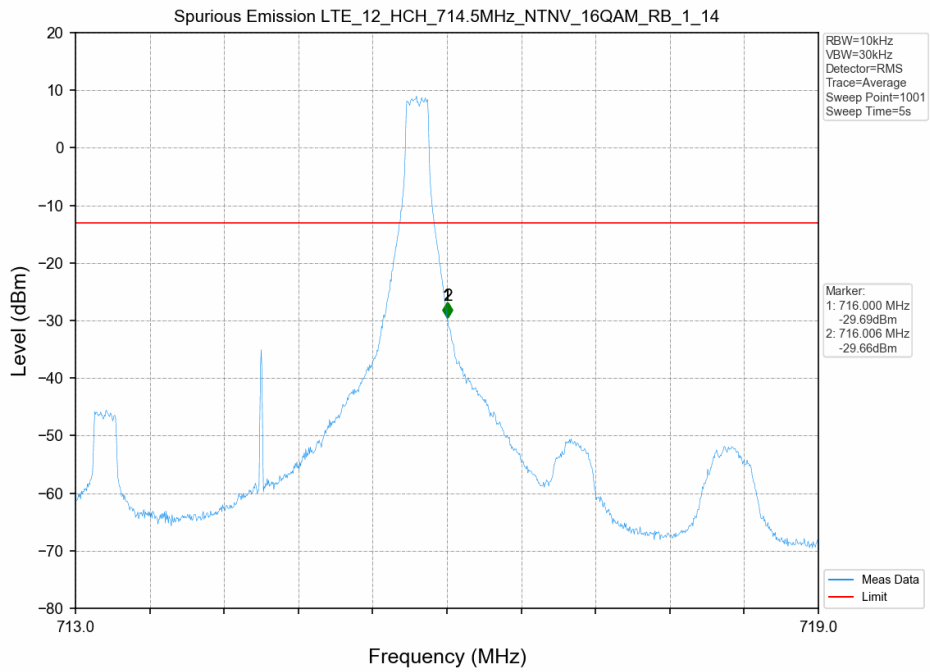
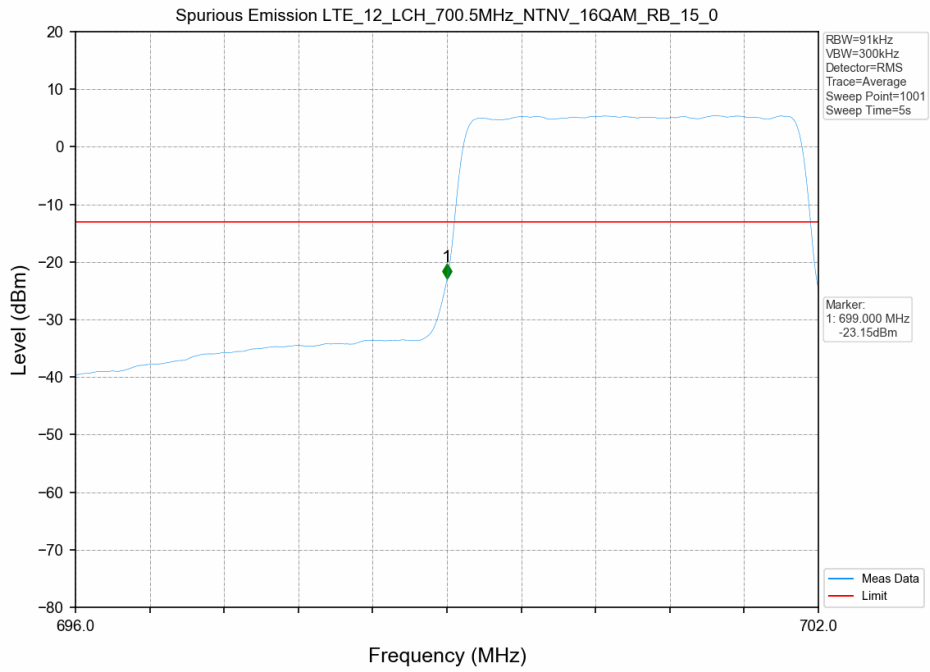


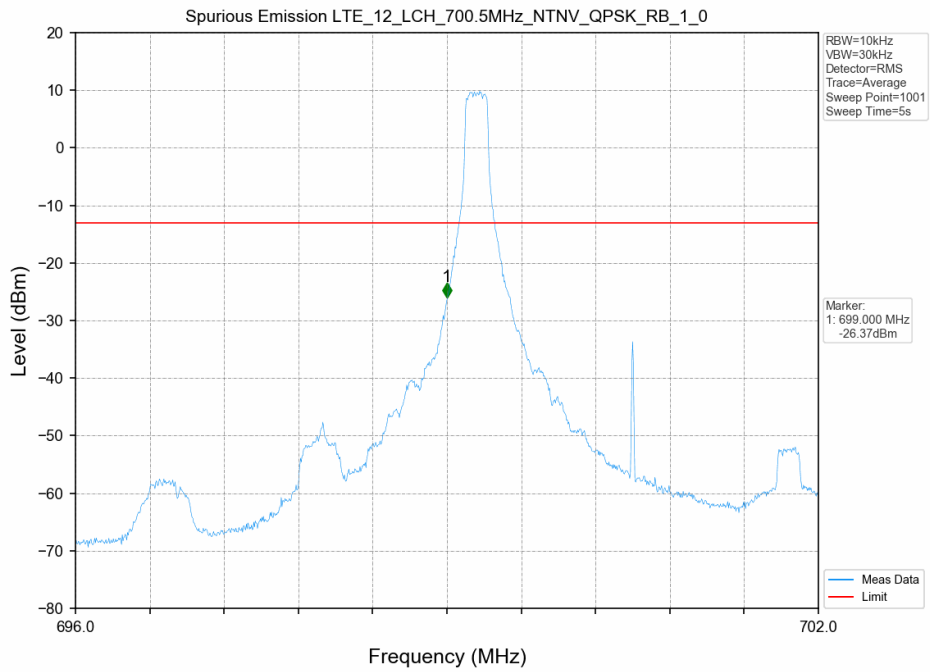
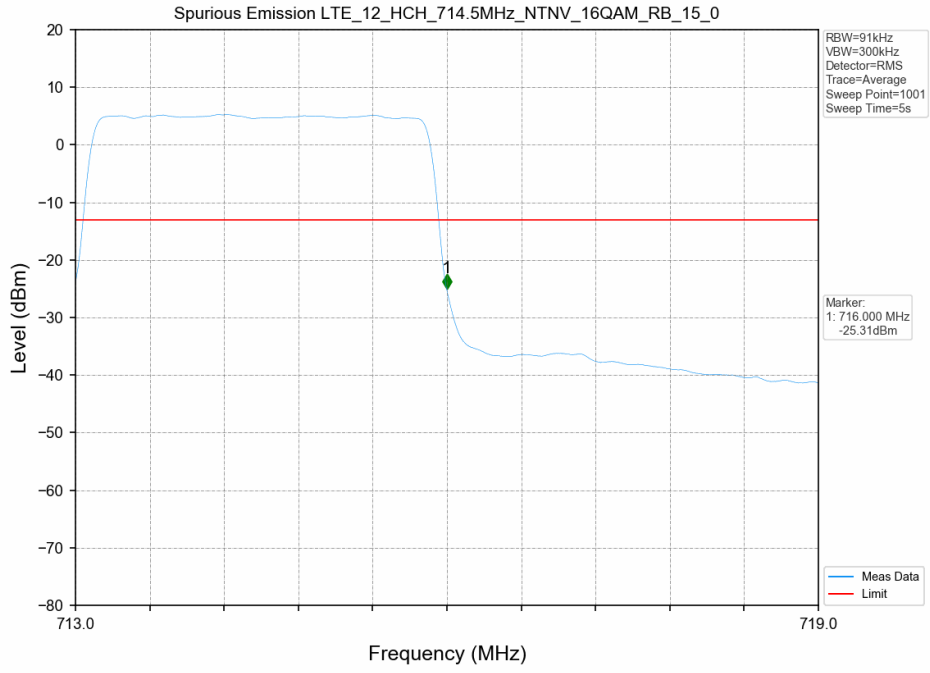


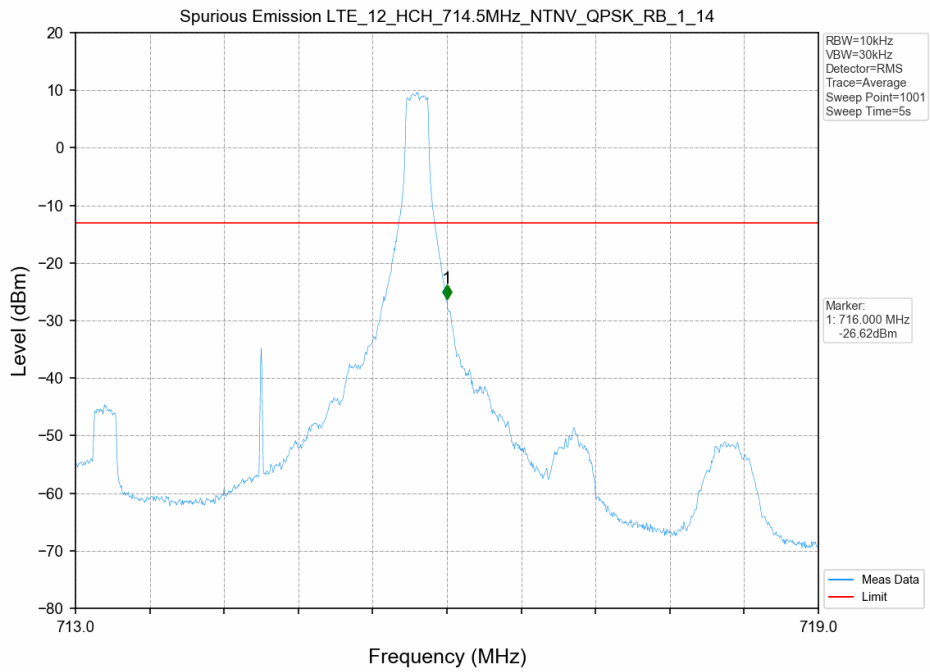
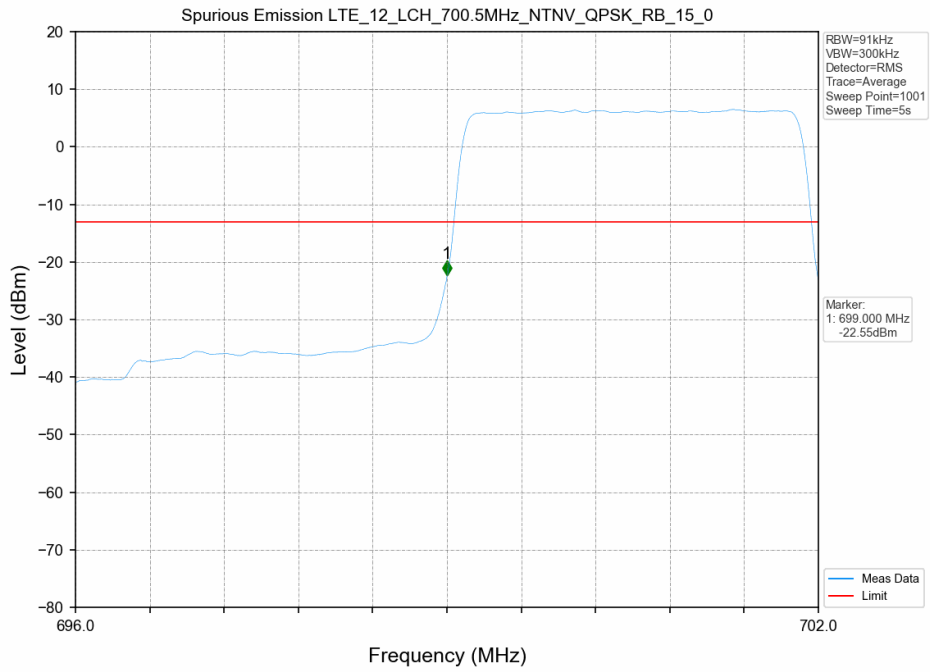


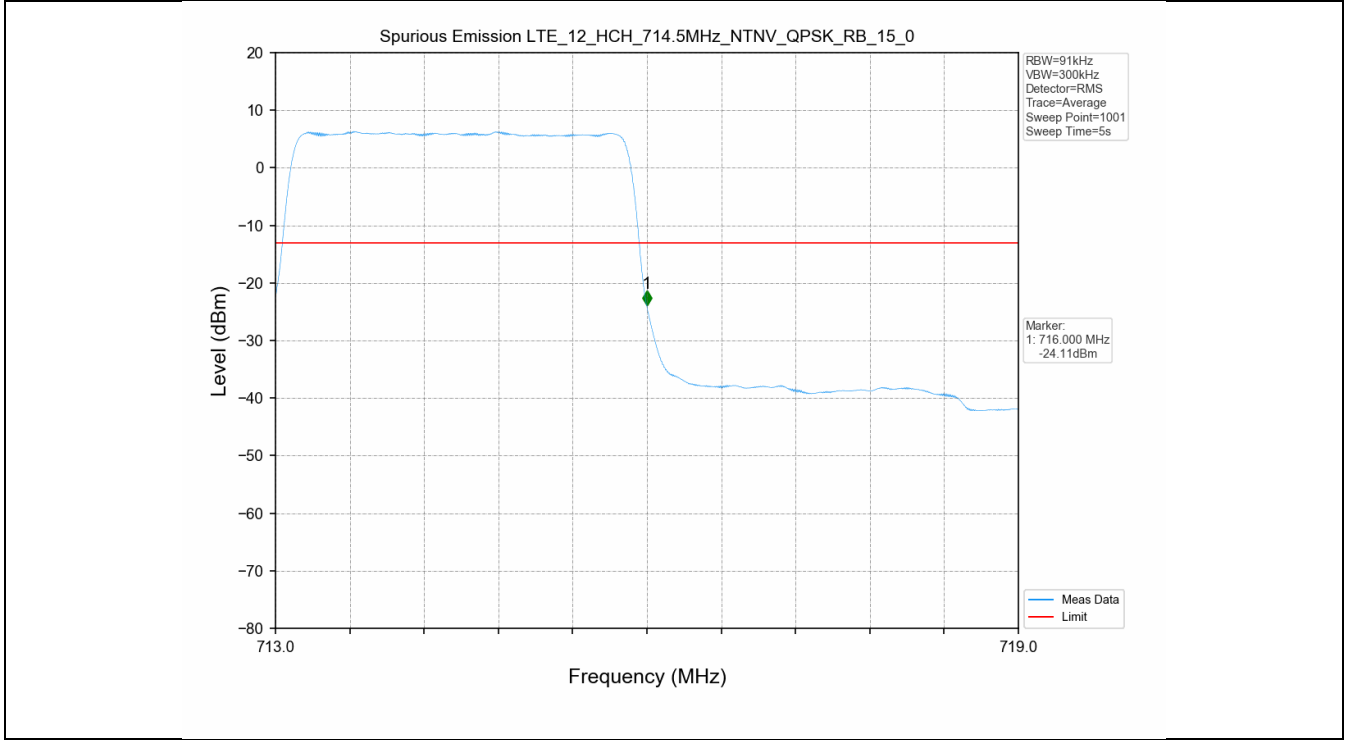
LTE Band 12(3M)



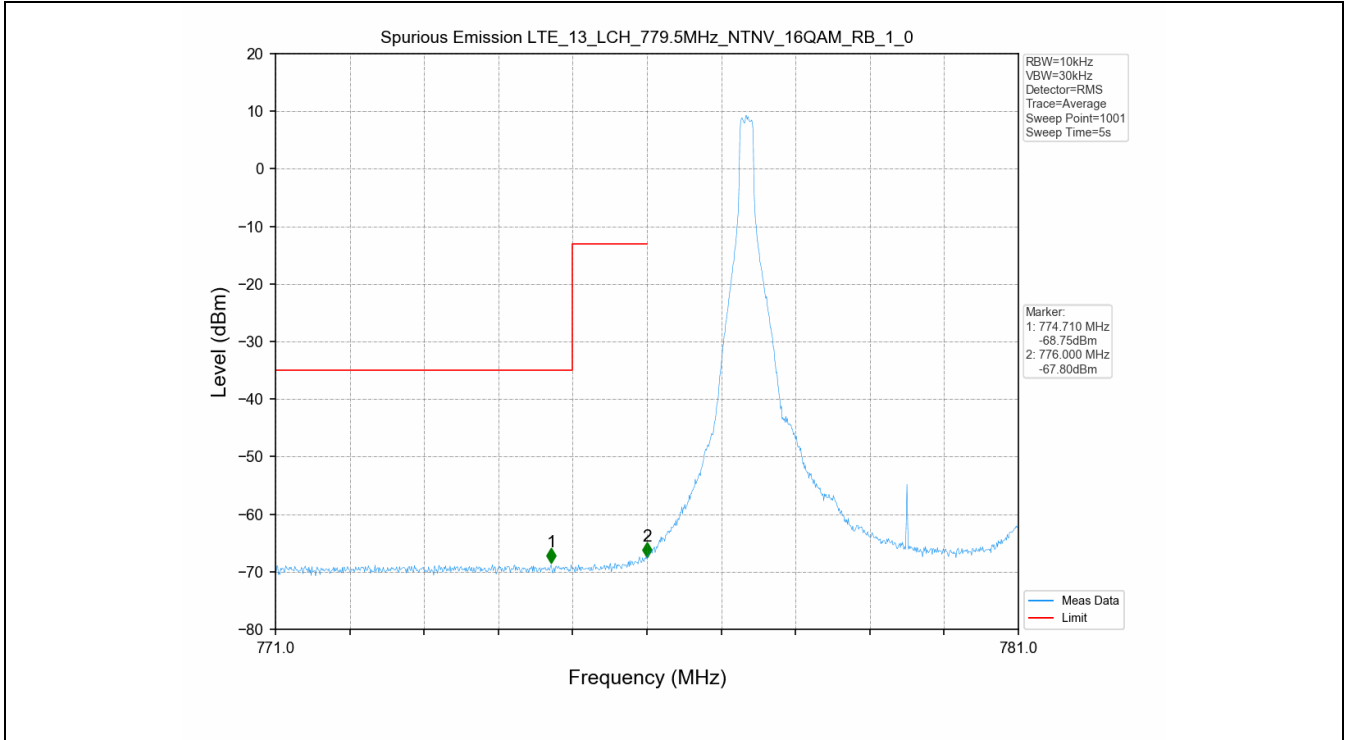


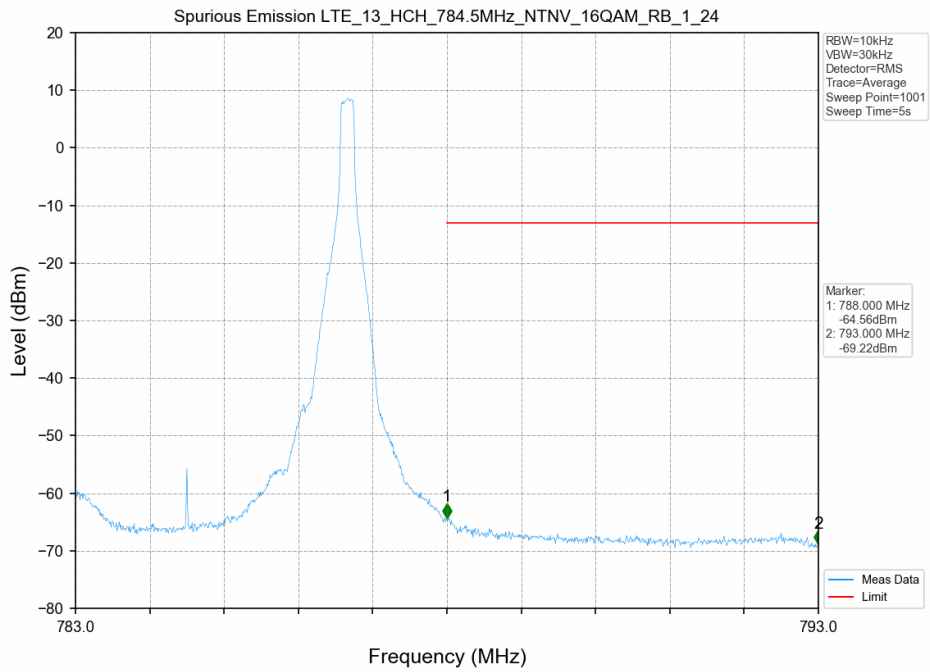
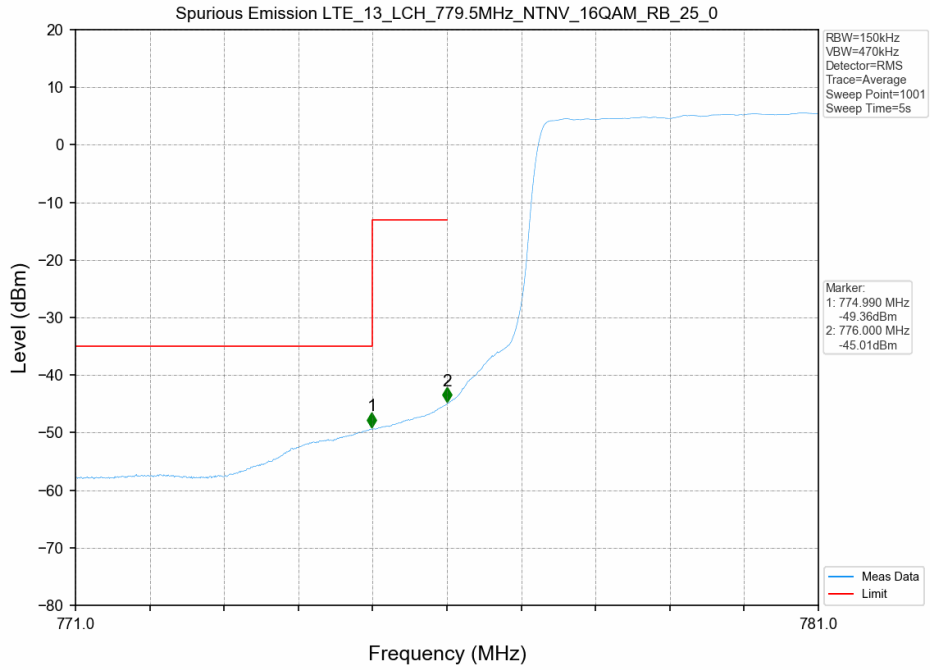


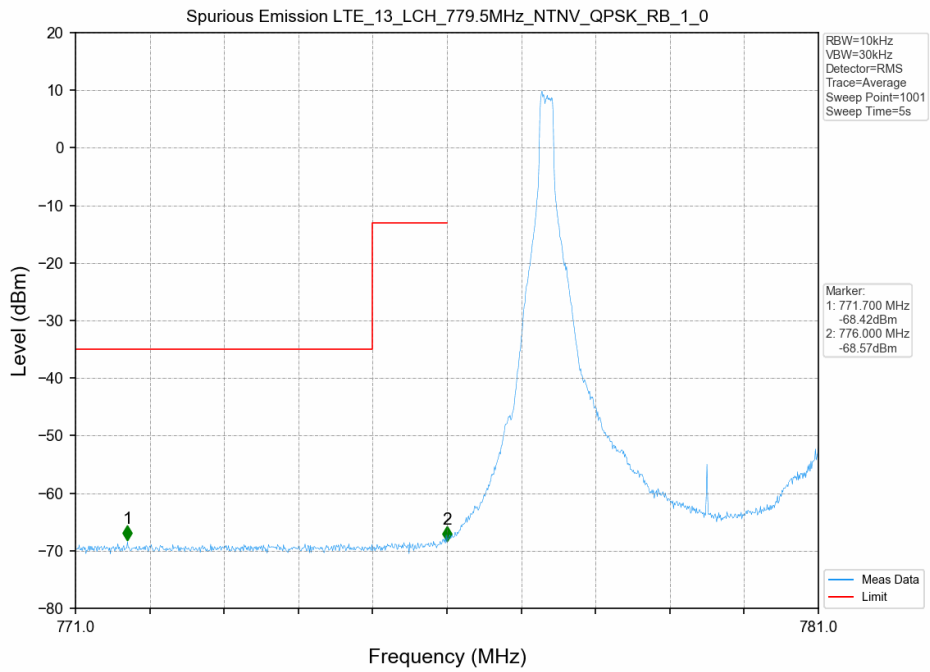
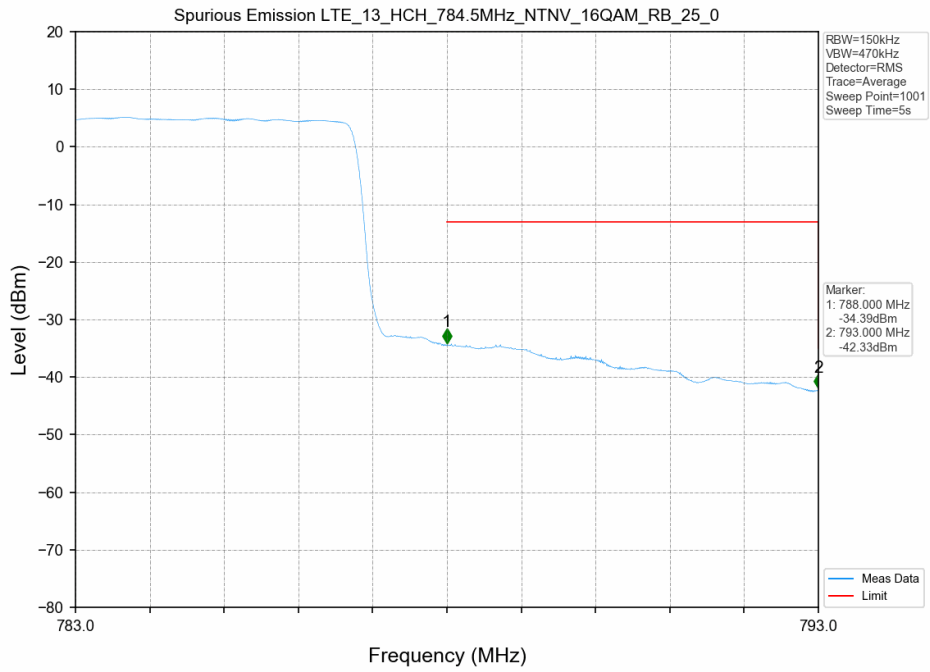


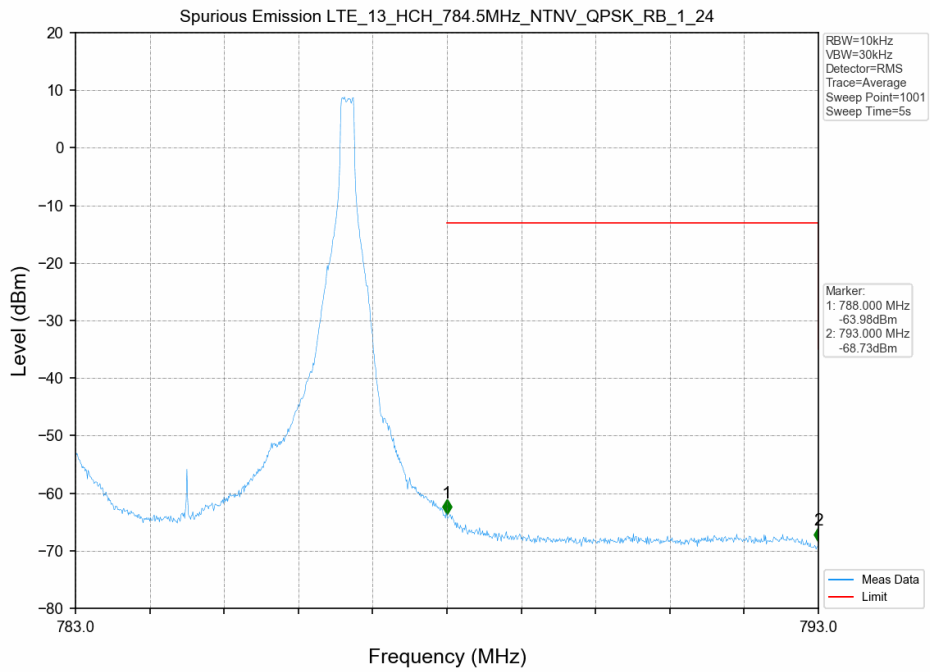
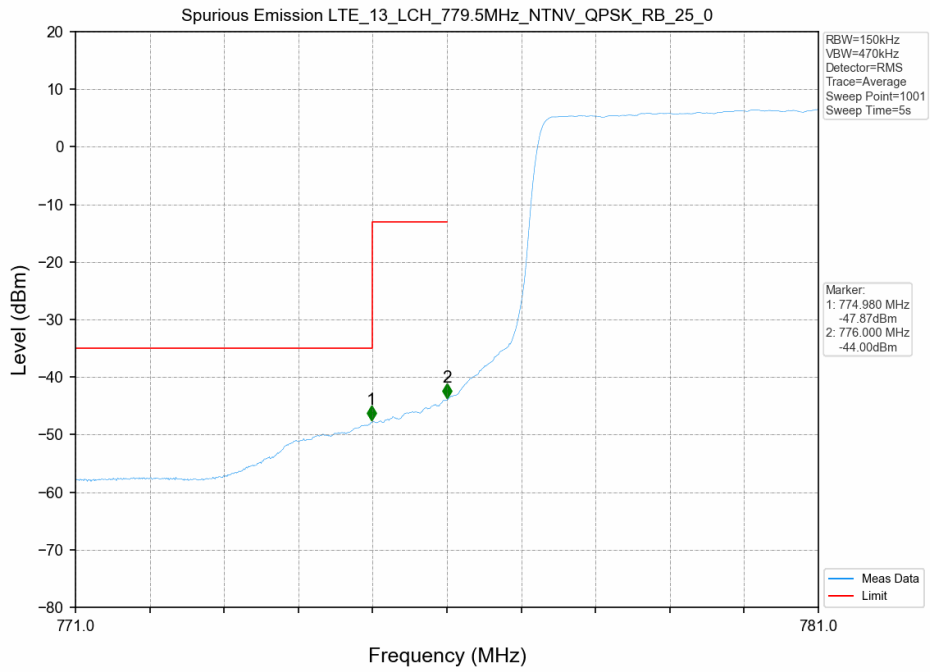


LTE Band 13(5M)

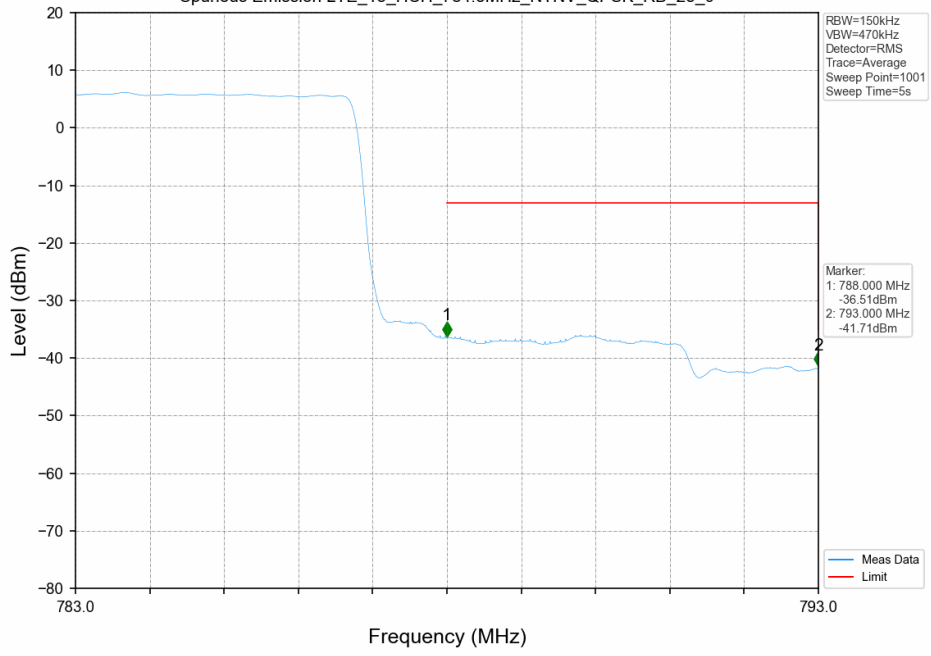








Spurious Emission LTE_13_HCH_784.5MHz_NTNV_QPSK_RB_25_0



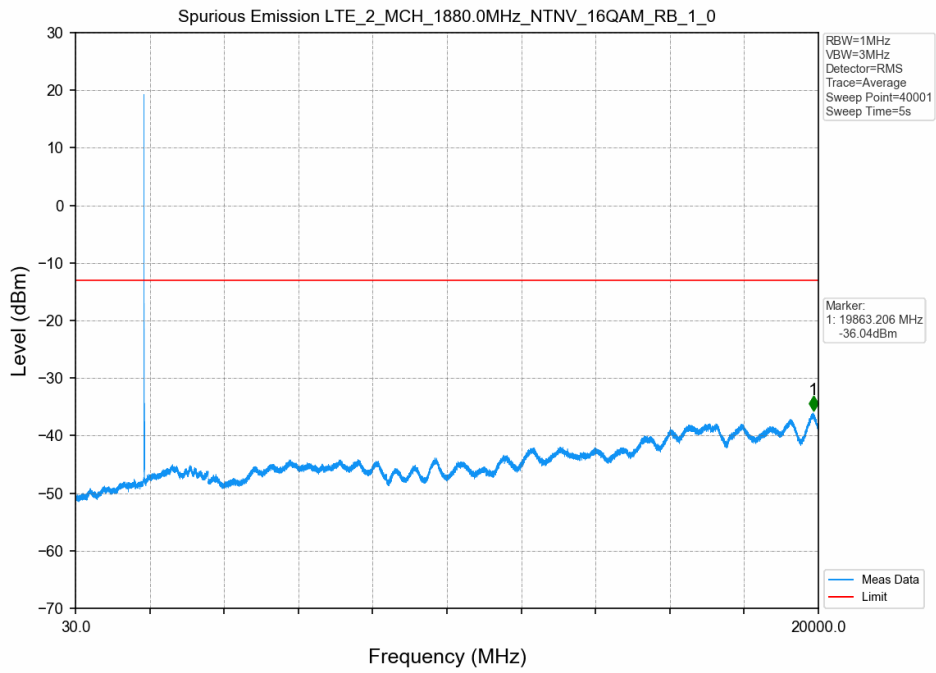
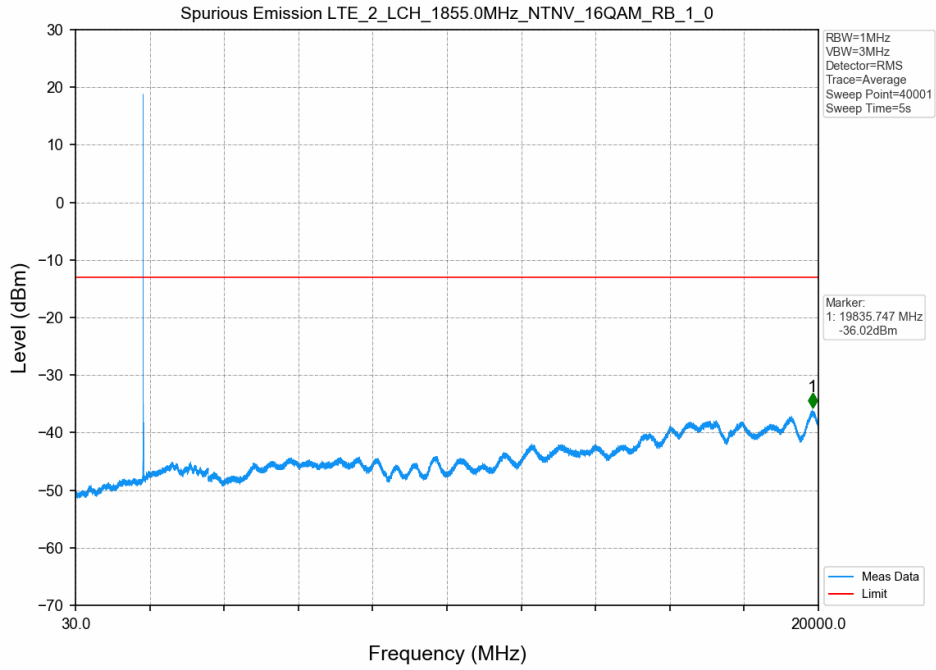
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VBW=470kHz
Detector=RMS
Trace=Average
Sweep Point=1001
Sweep Time=5s

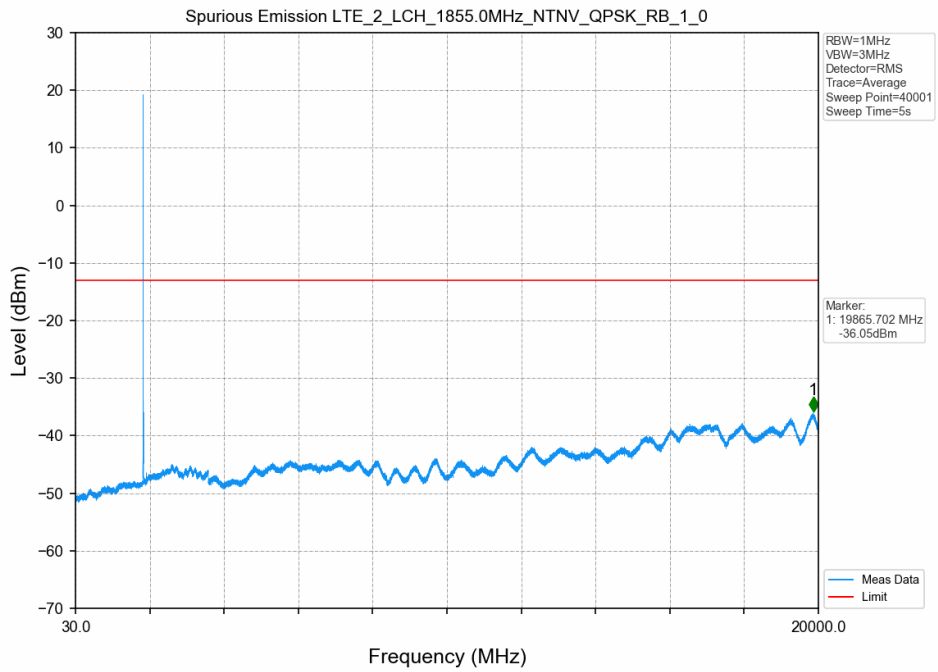
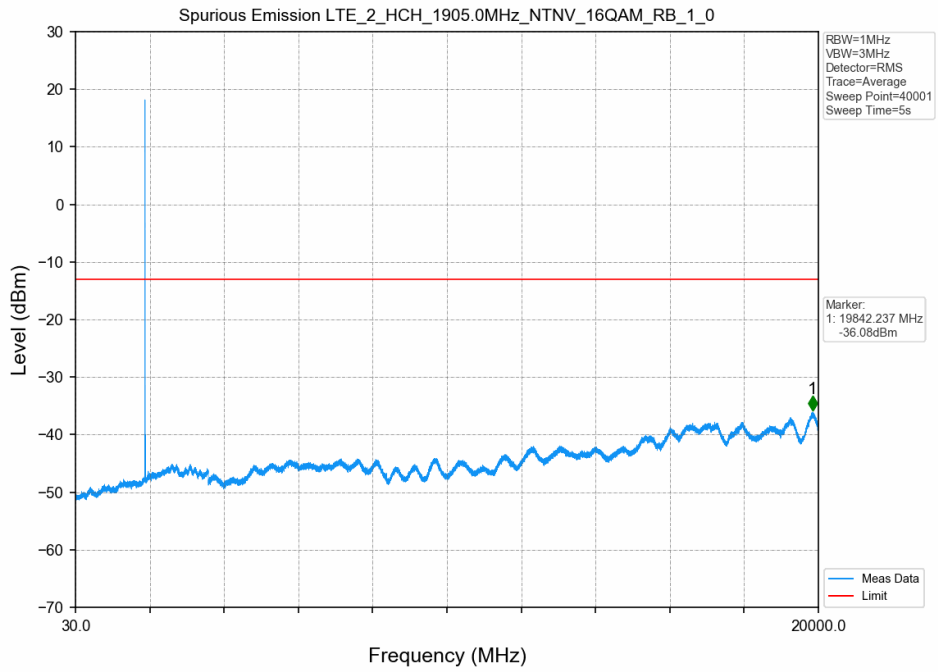
Marker:
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-36.51dBm
2: 793.000 MHz
-41.71dBm

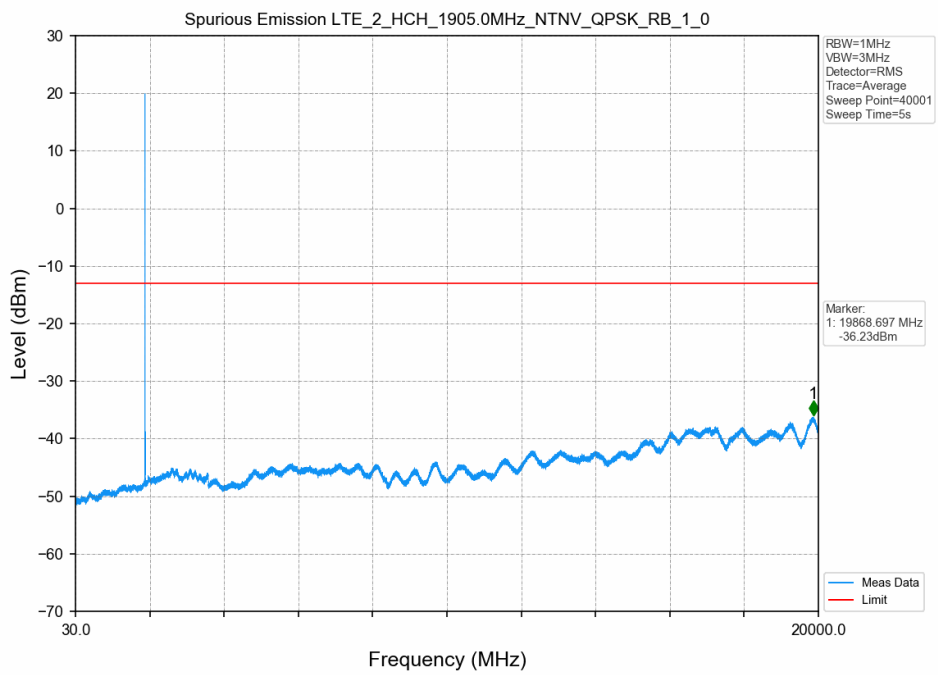
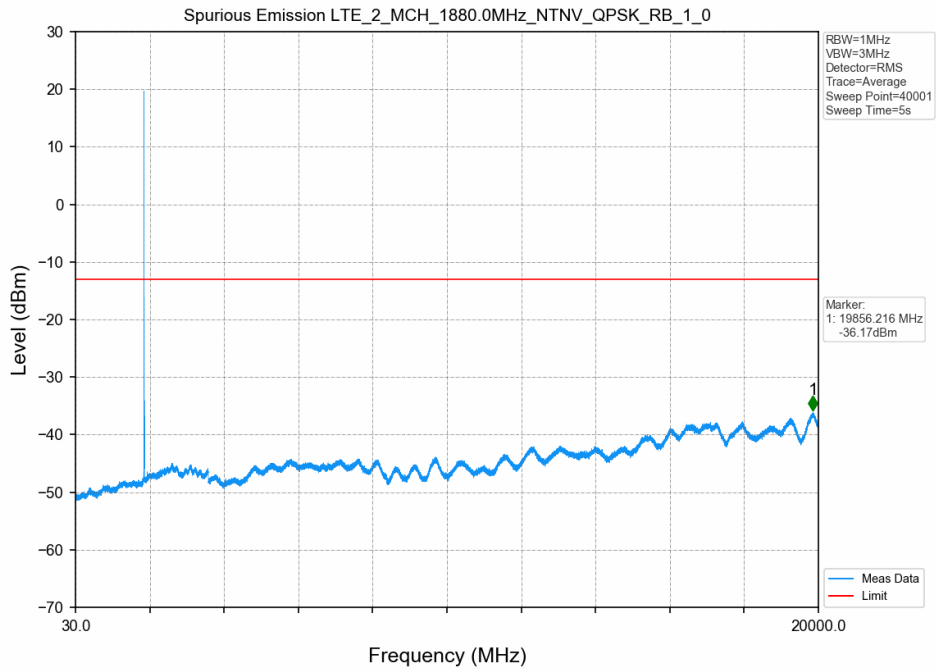
Meas Data
Limit

3. Spurious Emission

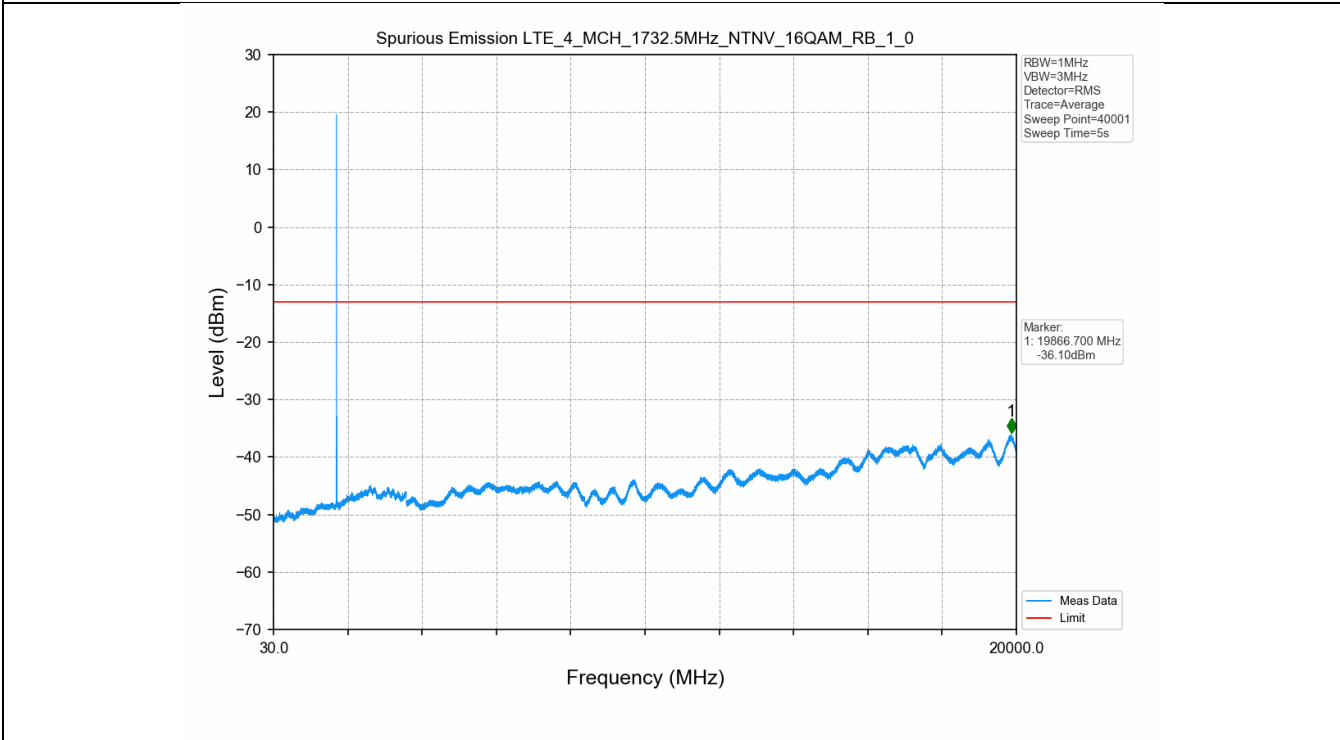
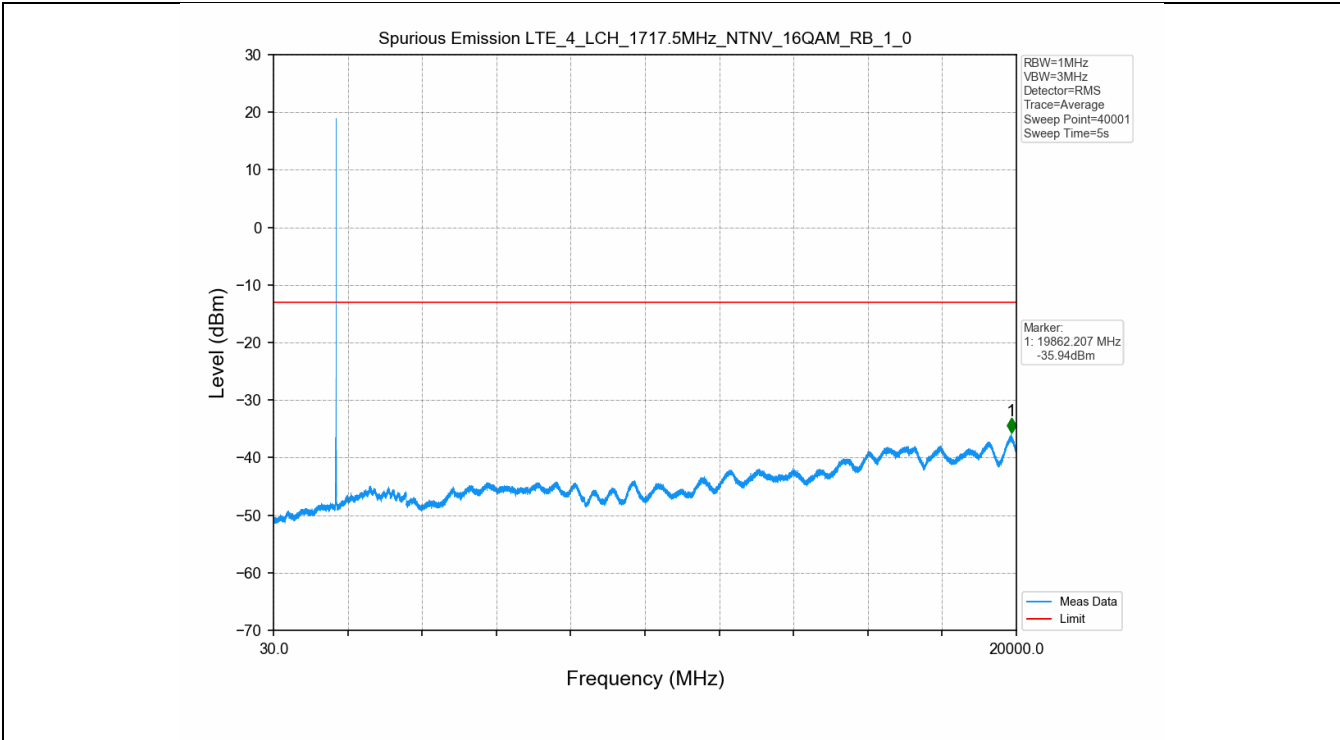
LTE Band 2(10M)

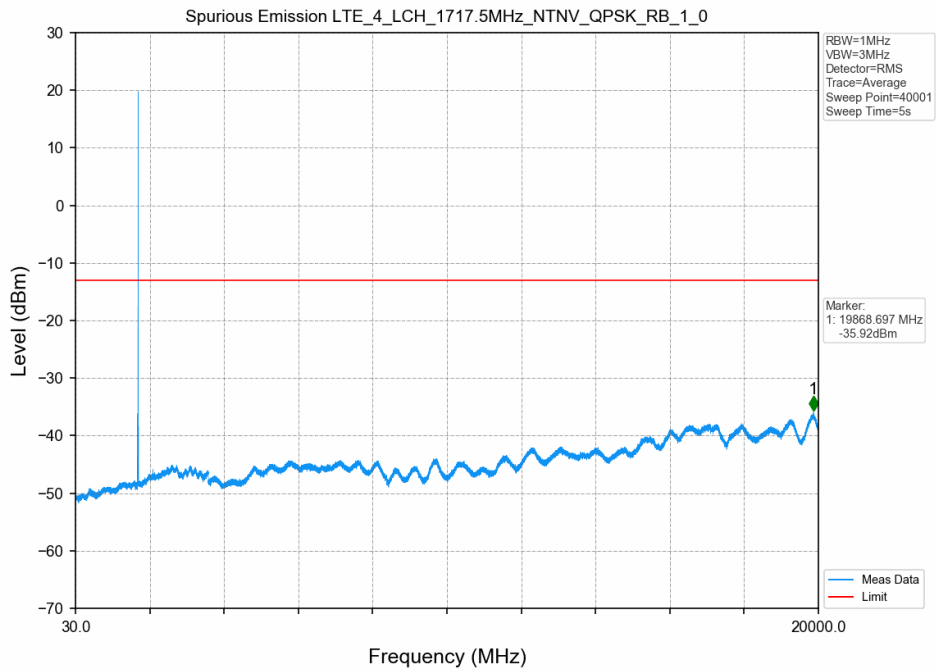
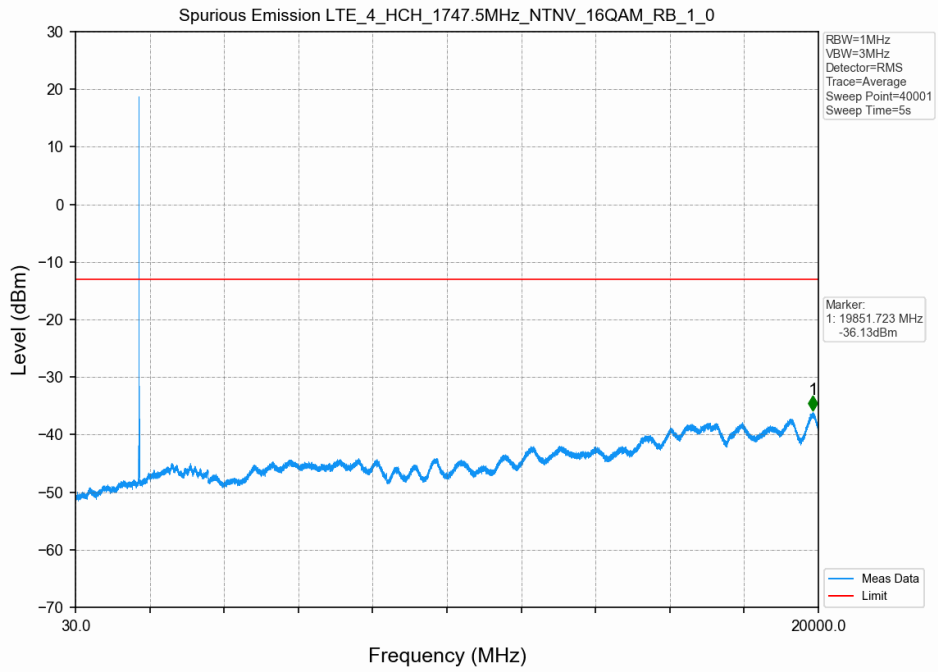


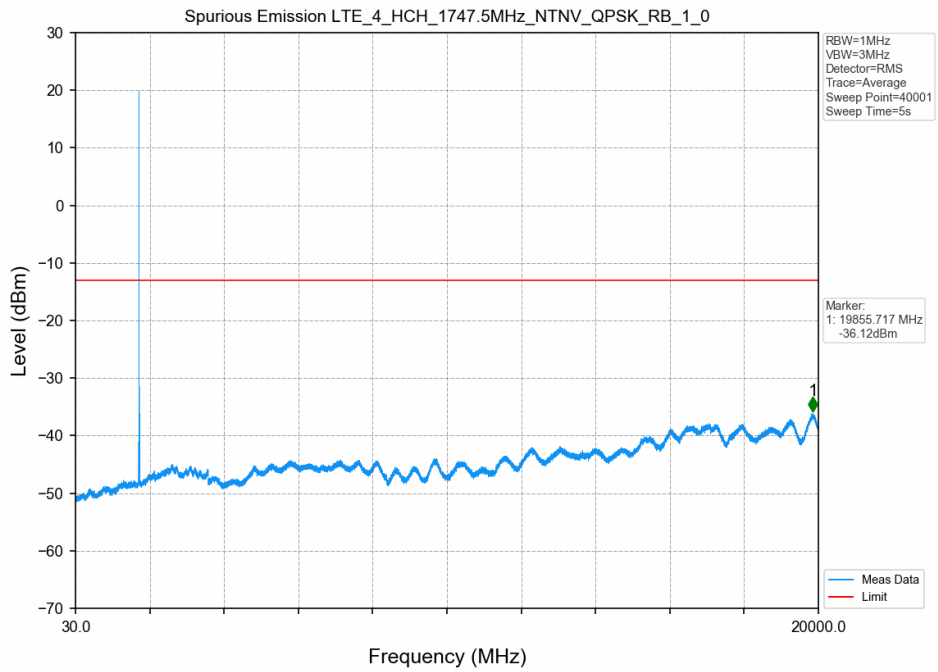
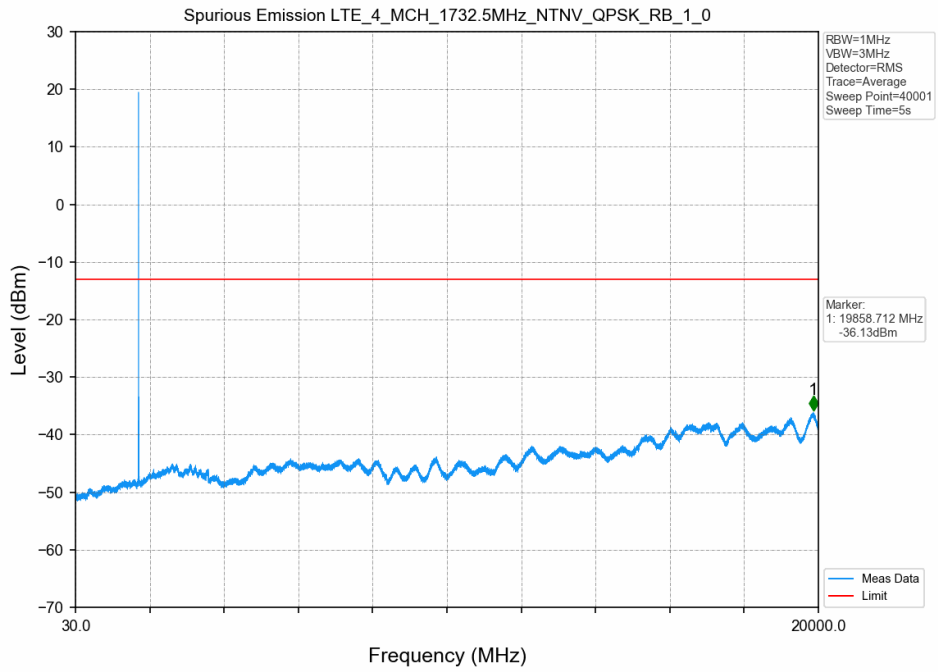




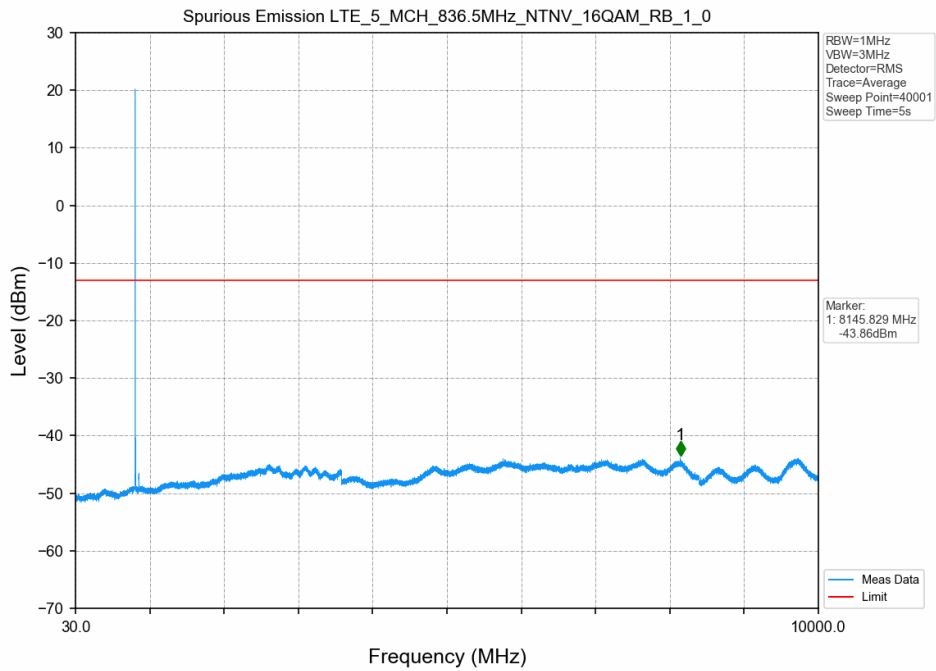
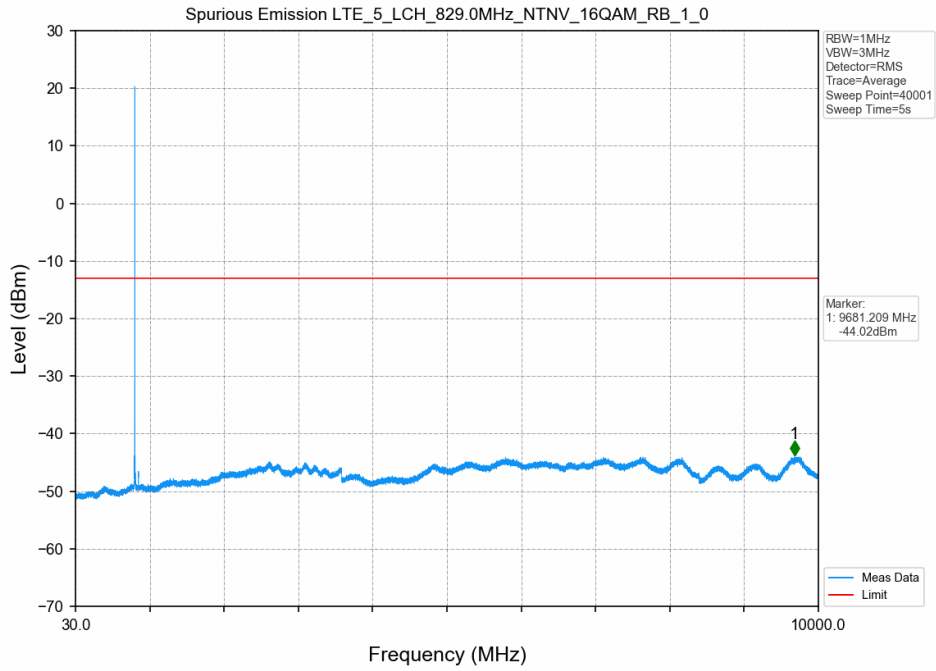
LTE Band 4(15M)

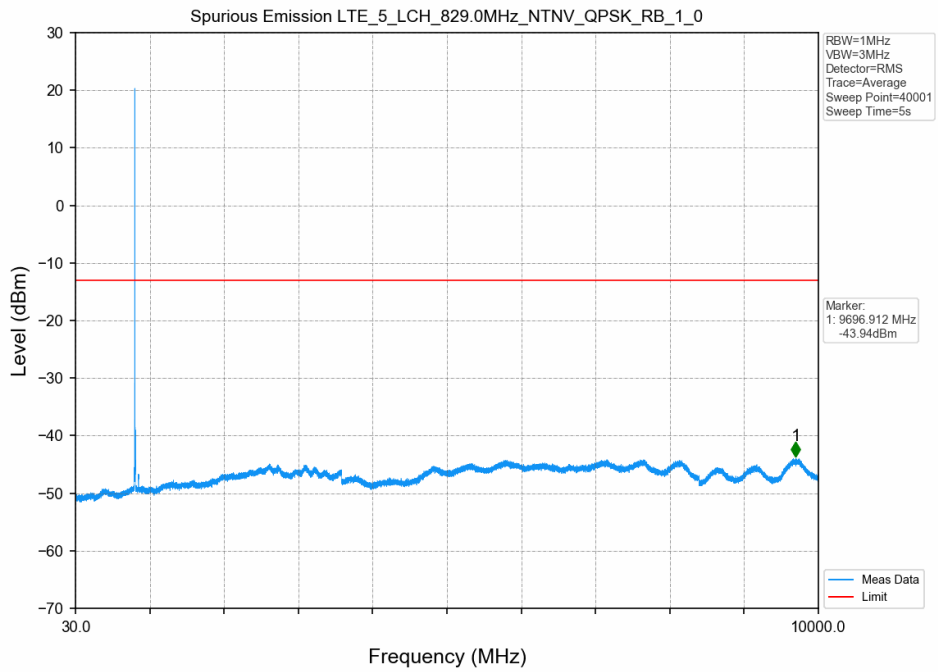
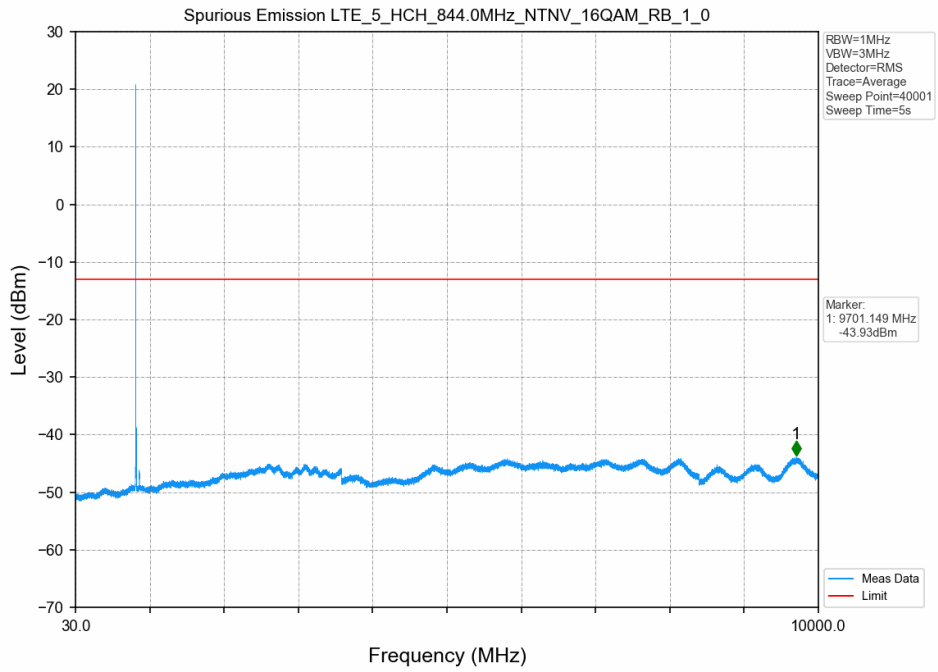


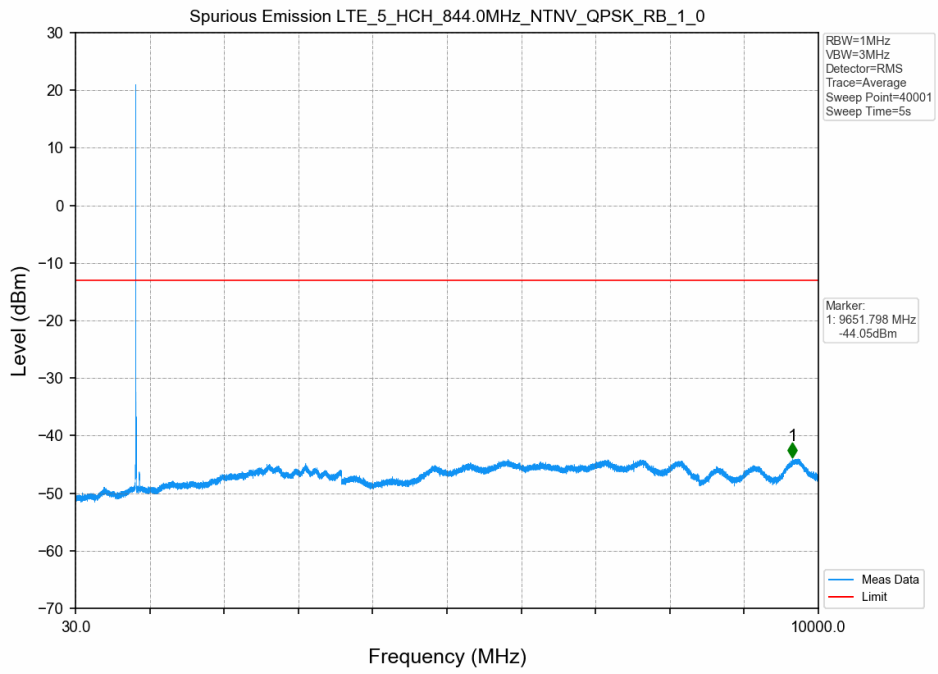
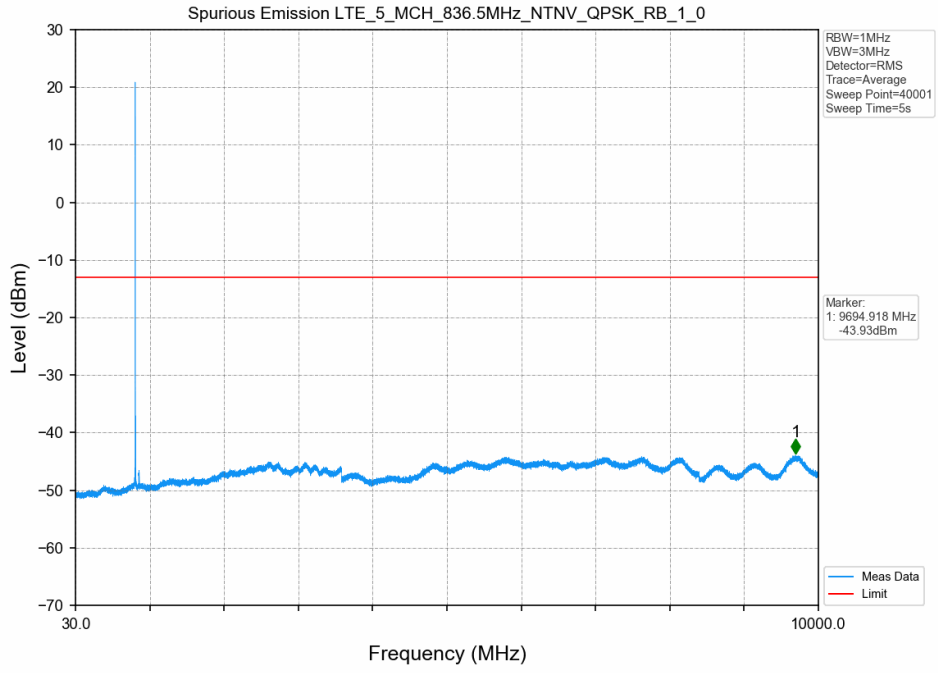




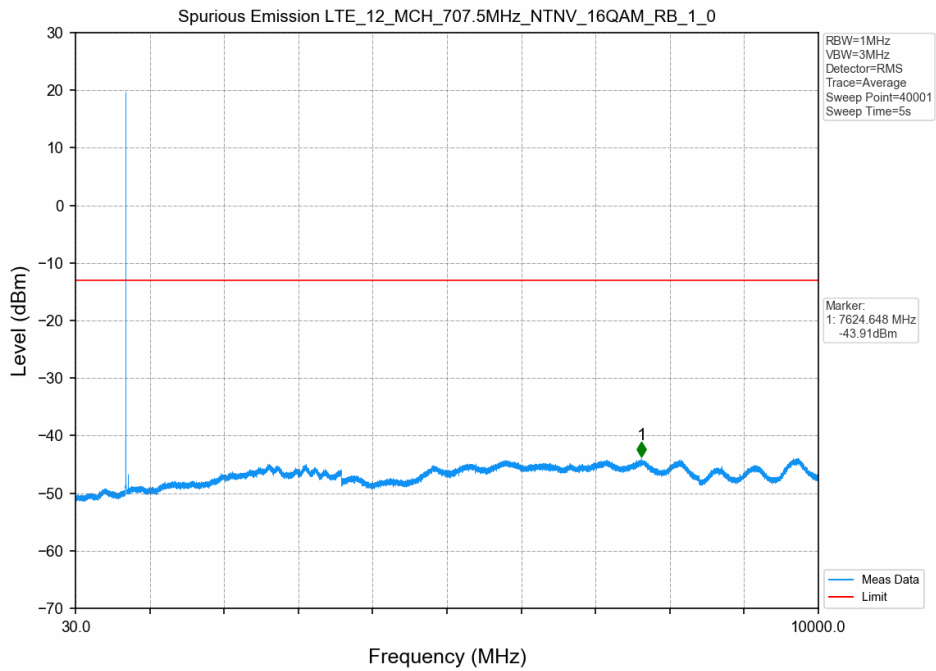
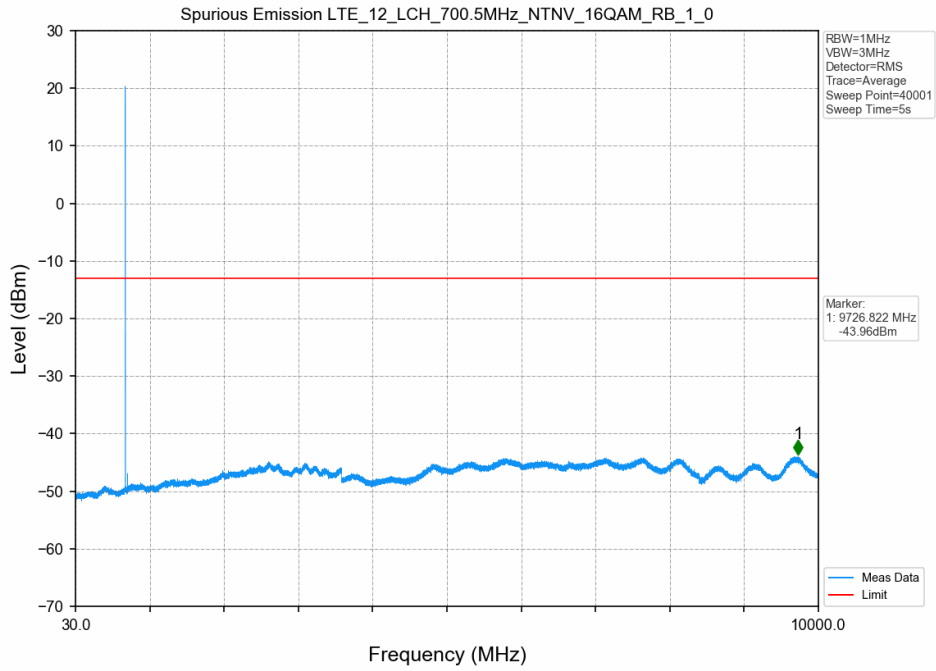
LTE Band 5(10M)

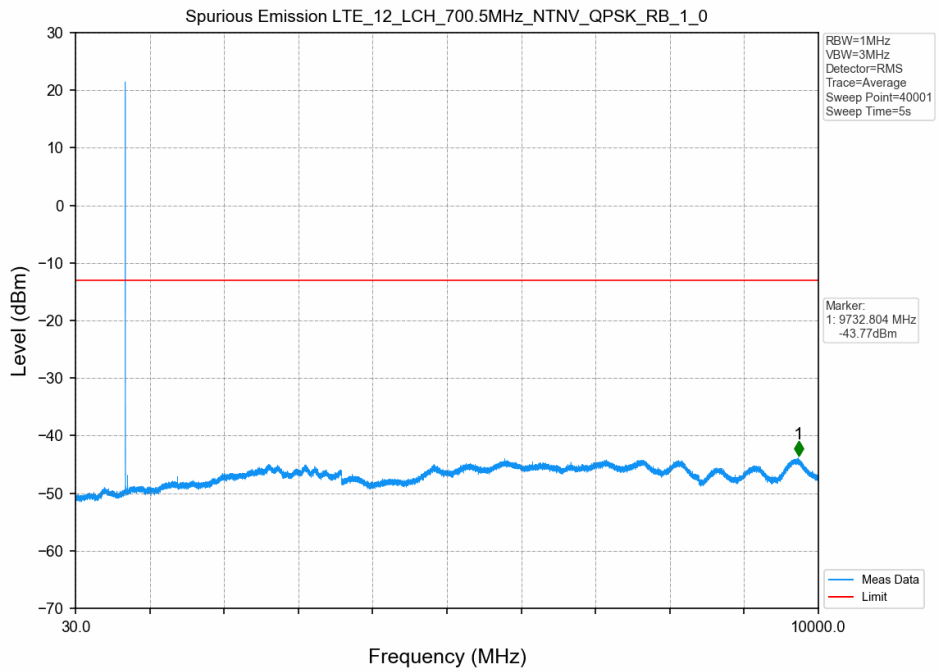
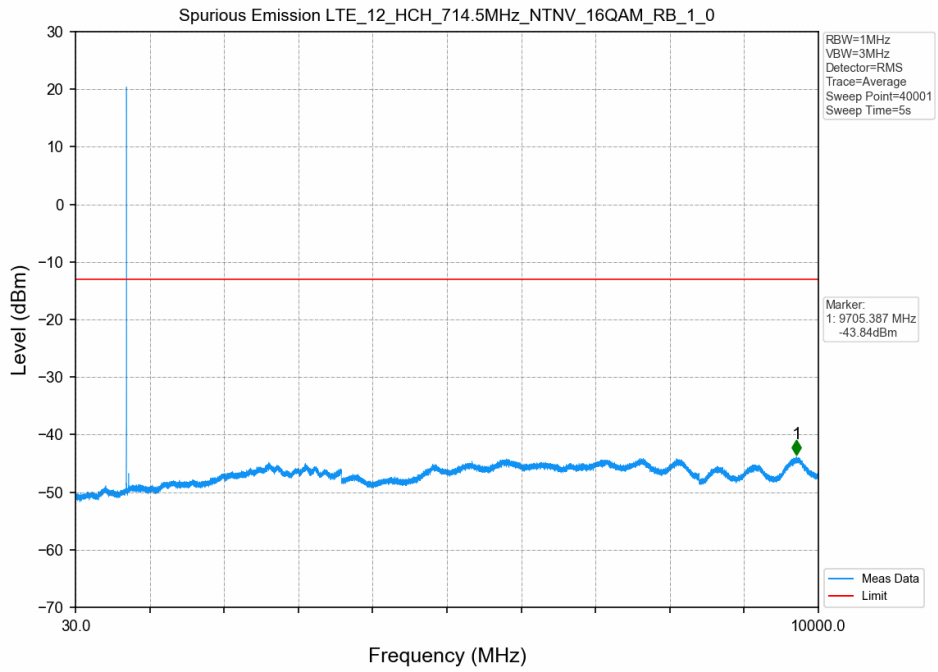


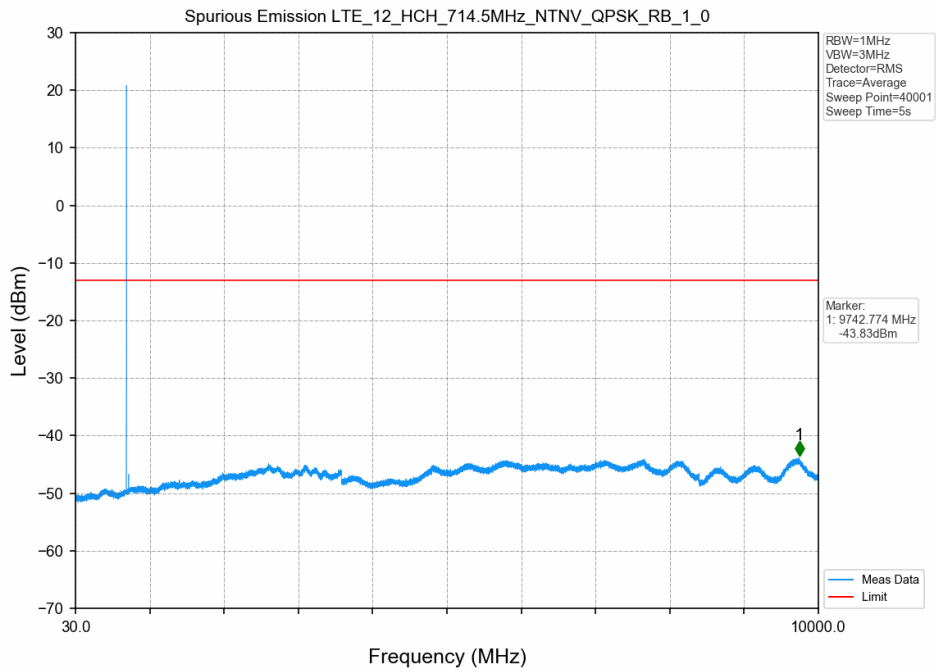
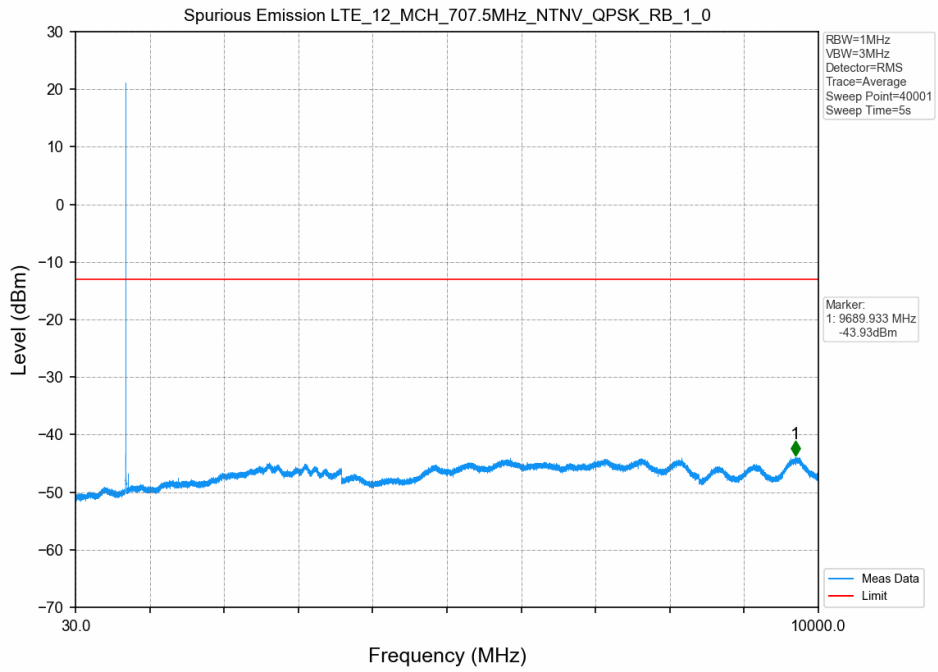




LTE Band 12(3M)







LTE Band 13(10M)

