

Appendix E: Test Data for LTE Band 4

Product Name: TT1001 10.1 inch Tablet

Test Model: TT1001V2

E1. Effective (Isotropic) Radiated Power Output Data

E1.1 Test Result

Test Band: 4 _ 1.4MHz 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	22.85	23.10	23.71	/	1.00	23.85	24.10	24.71	30.00	PASS	
		2	22.84	23.07	23.82	/	1.00	23.84	24.07	24.82	30.00	PASS	
		5	22.76	22.76	23.70	/	1.00	23.76	23.76	24.70	30.00	PASS	
	3	0	22.69	22.85	23.73	/	1.00	23.69	23.85	24.73	30.00	PASS	
		2	22.75	22.92	24.02	/	1.00	23.75	23.92	25.02	30.00	PASS	
		3	22.72	22.74	23.78	/	1.00	23.72	23.74	24.78	30.00	PASS	
	6	0	21.83	21.88	22.75	/	1.00	22.83	22.88	23.75	30.00	PASS	
	16QAM	1	0	21.18	22.36	22.63	/	1.00	22.18	23.36	23.63	30.00	PASS
			2	21.42	22.42	22.80	/	1.00	22.42	23.42	23.80	30.00	PASS
5			21.33	22.16	22.57	/	1.00	22.33	23.16	23.57	30.00	PASS	
3		0	21.41	21.84	22.60	/	1.00	22.41	22.84	23.60	30.00	PASS	
		2	21.38	21.72	22.61	/	1.00	22.38	22.72	23.61	30.00	PASS	
		3	21.44	21.64	22.63	/	1.00	22.44	22.64	23.63	30.00	PASS	
6		0	20.61	21.00	21.75	/	1.00	21.61	22.00	22.75	30.00	PASS	

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

Test Band: 4 _ 3MHz 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	22.59	22.91	23.37	/	1.00	23.59	23.91	24.37	30.00	PASS	
		7	22.70	22.91	23.41	/	1.00	23.70	23.91	24.41	30.00	PASS	
		14	22.80	22.90	23.33	/	1.00	23.80	23.90	24.33	30.00	PASS	
	8	0	21.66	21.63	22.48	/	1.00	22.66	22.63	23.48	30.00	PASS	
		4	21.78	21.55	22.48	/	1.00	22.78	22.55	23.48	30.00	PASS	
		7	21.71	21.48	22.42	/	1.00	22.71	22.48	23.42	30.00	PASS	
	15	0	21.63	21.52	22.44	/	1.00	22.63	22.52	23.44	30.00	PASS	
	16QAM	1	0	21.54	22.07	22.11	/	1.00	22.54	23.07	23.11	30.00	PASS
			7	21.55	22.09	22.56	/	1.00	22.55	23.09	23.56	30.00	PASS
14			21.91	22.00	22.50	/	1.00	22.91	23.00	23.50	30.00	PASS	
8		0	20.86	21.09	21.51	/	1.00	21.86	22.09	22.51	30.00	PASS	
		4	20.98	20.94	21.53	/	1.00	21.98	21.94	22.53	30.00	PASS	
		7	21.04	20.95	21.47	/	1.00	22.04	21.95	22.47	30.00	PASS	
15		0	20.68	20.63	21.64	/	1.00	21.68	21.63	22.64	30.00	PASS	

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

Test Band: 4 _ 5MHz 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	22.54	22.76	23.45	/	1.00	23.54	23.76	24.45	30.00	PASS
		13	22.80	22.43	23.56	/	1.00	23.80	23.43	24.56	30.00	PASS
		24	23.07	22.37	23.65	/	1.00	24.07	23.37	24.65	30.00	PASS
	12	0	21.64	21.71	22.42	/	1.00	22.64	22.71	23.42	30.00	PASS
		6	21.70	21.58	22.48	/	1.00	22.70	22.58	23.48	30.00	PASS
		13	21.85	21.46	22.58	/	1.00	22.85	22.46	23.58	30.00	PASS
25	0	21.72	21.57	22.54	/	1.00	22.72	22.57	23.54	30.00	PASS	
16QAM	1		21.61	21.38	22.36	/	1.00	22.61	22.38	23.36	30.00	PASS
		13	21.80	21.16	22.67	/	1.00	22.80	22.16	23.67	30.00	PASS
		24	22.19	21.15	22.57	/	1.00	23.19	22.15	23.57	30.00	PASS
	12	0	20.61	20.61	21.61	/	1.00	21.61	21.61	22.61	30.00	PASS
		6	20.73	20.56	21.60	/	1.00	21.73	21.56	22.60	30.00	PASS
		13	20.86	20.35	21.61	/	1.00	21.86	21.35	22.61	30.00	PASS
	25	0	20.77	20.68	21.54	/	1.00	21.77	21.68	22.54	30.00	PASS

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

Test Band: 4 _ 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	22.63	23.13	22.79	/	1.00	23.63	24.13	23.79	30.00	PASS
		25	23.21	22.67	23.58	/	1.00	24.21	23.67	24.58	30.00	PASS
		49	23.38	22.42	23.50	/	1.00	24.38	23.42	24.50	30.00	PASS
	25	0	21.81	21.67	22.21	/	1.00	22.81	22.67	23.21	30.00	PASS
		13	22.13	21.50	22.41	/	1.00	23.13	22.50	23.41	30.00	PASS
		25	22.19	21.27	22.42	/	1.00	23.19	22.27	23.42	30.00	PASS
50	0	21.99	21.56	22.29	/	1.00	22.99	22.56	23.29	30.00	PASS	
16QAM	1		21.52	22.00	21.79	/	1.00	22.52	23.00	22.79	30.00	PASS
		25	21.87	21.82	22.65	/	1.00	22.87	22.82	23.65	30.00	PASS
		49	21.87	21.60	22.35	/	1.00	22.87	22.60	23.35	30.00	PASS
	25	0	20.77	21.01	21.27	/	1.00	21.77	22.01	22.27	30.00	PASS
		13	21.27	20.84	21.45	/	1.00	22.27	21.84	22.45	30.00	PASS
		25	21.34	20.61	21.44	/	1.00	22.34	21.61	22.44	30.00	PASS
	50	0	21.13	20.78	21.31	/	1.00	22.13	21.78	22.31	30.00	PASS

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

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	22.49	23.21	22.62	/	1.00	23.49	24.21	23.62	30.00	PASS
		38	23.14	22.63	23.34	/	1.00	24.14	23.63	24.34	30.00	PASS
		74	23.10	22.55	23.42	/	1.00	24.10	23.55	24.42	30.00	PASS
	36	0	21.95	21.85	21.76	/	1.00	22.95	22.85	22.76	30.00	PASS
		18	22.17	21.58	22.19	/	1.00	23.17	22.58	23.19	30.00	PASS
		39	22.26	21.30	22.33	/	1.00	23.26	22.30	23.33	30.00	PASS
75	0	22.08	21.57	22.09	/	1.00	23.08	22.57	23.09	30.00	PASS	
16QAM	1		21.52	22.40	21.26	/	1.00	22.52	23.40	22.26	30.00	PASS
		38	22.12	21.61	22.15	/	1.00	23.12	22.61	23.15	30.00	PASS
		74	22.09	21.50	21.94	/	1.00	23.09	22.50	22.94	30.00	PASS
	36	0	20.97	20.96	20.79	/	1.00	21.97	21.96	21.79	30.00	PASS
		18	21.27	20.79	21.16	/	1.00	22.27	21.79	22.16	30.00	PASS

		39	21.27	20.30	21.22	/	1.00	22.27	21.30	22.22	30.00	PASS
	75	0	21.12	20.62	21.03	/	1.00	22.12	21.62	22.03	30.00	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 4 20MHz 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	22.66	23.46	22.33	/	1.00	23.66	24.46	23.33	30.00	PASS	
		50	23.64	22.73	22.97	/	1.00	24.64	23.73	23.97	30.00	PASS	
		99	22.78	22.73	23.46	/	1.00	23.78	23.73	24.46	30.00	PASS	
	50	0	22.09	21.77	21.51	/	1.00	23.09	22.77	22.51	30.00	PASS	
		25	22.28	21.52	21.84	/	1.00	23.28	22.52	22.84	30.00	PASS	
		50	22.16	21.32	22.13	/	1.00	23.16	22.32	23.13	30.00	PASS	
16QAM	1	0	22.11	21.50	21.91	/	1.00	23.11	22.50	22.91	30.00	PASS	
			21.76	22.22	21.09	/	1.00	22.76	23.22	22.09	30.00	PASS	
		50	22.85	21.36	22.31	/	1.00	23.85	22.36	23.31	30.00	PASS	
	50	99	22.23	21.29	22.86	/	1.00	23.23	22.29	23.86	30.00	PASS	
		0	21.14	20.87	20.61	/	1.00	22.14	21.87	21.61	30.00	PASS	
		25	21.34	20.62	20.99	/	1.00	22.34	21.62	21.99	30.00	PASS	
		50	21.10	20.31	21.16	/	1.00	22.10	21.31	22.16	30.00	PASS	
		100	0	21.07	20.65	20.86	/	1.00	22.07	21.65	21.86	30.00	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)													

E2. Frequency stability

E2.1 Test Result

Test Band: 4 _ 1.4MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	6	0	NT	LV	-0.0429	-1.2159	-3.9339	0.0000	-0.0007	-0.0022	2.50	PASS
				NV	2.0742	-0.8154	-3.3474	0.0012	-0.0005	-0.0019	2.50	PASS
				HV	1.1015	-0.3433	-3.8624	0.0006	-0.0002	-0.0022	2.50	PASS
16QAM	6	0	NT	LV	2.3460	1.1730	-2.2888	0.0014	0.0007	-0.0013	2.50	PASS
				NV	0.0572	0.0715	-4.4489	0.0000	0.0000	-0.0025	2.50	PASS
				HV	2.8610	1.9169	-2.8324	0.0017	0.0011	-0.0016	2.50	PASS

Test Band: 4 _ 1.4MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	6	0	NV	-30.00	1.4734	-0.4005	-2.3317	0.0009	-0.0002	-0.0013	2.50	PASS
				-20.00	3.3045	-1.0443	-3.0899	0.0019	-0.0006	-0.0018	2.50	PASS
				-10.00	1.4734	-0.1431	-3.5334	0.0009	-0.0001	-0.0020	2.50	PASS
				0.00	1.4162	-1.9884	-3.5763	0.0008	-0.0011	-0.0020	2.50	PASS
				10.00	1.7881	0.8869	-4.1628	0.0010	0.0005	-0.0024	2.50	PASS
				20.00	2.1744	-1.7166	-3.8624	0.0013	-0.0010	-0.0022	2.50	PASS
				30.00	2.1887	-0.7010	-4.1056	0.0013	-0.0004	-0.0023	2.50	PASS
				40.00	1.3161	-2.0027	-4.0627	0.0008	-0.0012	-0.0023	2.50	PASS
16QAM	6	0	NV	50.00	0.4578	-0.2289	-3.9339	0.0003	-0.0001	-0.0022	2.50	PASS
				-30.00	0.8011	0.8440	-4.3344	0.0005	0.0005	-0.0025	2.50	PASS
				-20.00	0.4148	1.5020	-3.8338	0.0002	0.0009	-0.0022	2.50	PASS
				-10.00	0.3862	1.8597	-5.6648	0.0002	0.0011	-0.0032	2.50	PASS
				0.00	1.9455	2.0742	-4.7207	0.0011	0.0012	-0.0027	2.50	PASS
				10.00	1.2302	1.1158	-2.9898	0.0007	0.0006	-0.0017	2.50	PASS
				20.00	1.2159	1.4877	-4.7350	0.0007	0.0009	-0.0027	2.50	PASS
				30.00	-0.6151	0.8154	-3.5763	-0.0004	0.0005	-0.0020	2.50	PASS
40.00	1.8597	0.9727	-3.5477	0.0011	0.0006	-0.0020	2.50	PASS				
50.00	1.3447	1.5450	-2.7466	0.0008	0.0009	-0.0016	2.50	PASS				

Test Band: 4 _ 3MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	15	0	NT	LV	0.7725	-0.9871	1.9026	0.0005	-0.0006	0.0011	2.50	PASS
				NV	0.1001	-0.5150	-1.1158	0.0001	-0.0003	-0.0006	2.50	PASS
				HV	-1.4162	-0.6580	0.2146	-0.0008	-0.0004	0.0001	2.50	PASS
16QAM	15	0	NT	LV	2.5606	1.2159	0.7868	0.0015	0.0007	0.0004	2.50	PASS
				NV	-0.7725	0.9155	-0.4578	-0.0005	0.0005	-0.0003	2.50	PASS
				HV	-0.7153	-0.3719	-0.8011	-0.0004	-0.0002	-0.0005	2.50	PASS

Test Band: 4 _ 3MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	15	0	NV	-30.00	-1.2159	0.7296	-1.2445	-0.0007	0.0004	-0.0007	2.50	PASS
				-20.00	-1.8168	0.0000	-0.2861	-0.0011	0.0000	-0.0002	2.50	PASS
				-10.00	-0.8297	-2.2602	1.7023	-0.0005	-0.0013	0.0010	2.50	PASS

				0.00	-0.4578	-2.0456	0.4578	-0.0003	-0.0012	0.0003	2.50	PASS				
				10.00	-1.5163	-0.1001	0.9155	-0.0009	-0.0001	0.0005	2.50	PASS				
				20.00	-0.6866	-0.9584	0.2432	-0.0004	-0.0006	0.0001	2.50	PASS				
				30.00	1.3161	0.0286	2.1172	0.0008	0.0000	0.0012	2.50	PASS				
				40.00	-0.6008	0.7725	1.0586	-0.0004	0.0004	0.0006	2.50	PASS				
				50.00	-0.4864	1.2588	1.5163	-0.0003	0.0007	0.0009	2.50	PASS				
				16QAM	15	0	NV	-30.00	0.5436	-0.2146	1.9312	0.0003	-0.0001	0.0011	2.50	PASS
								-20.00	1.2159	-0.0429	0.4435	0.0007	0.0000	0.0003	2.50	PASS
								-10.00	2.1029	-1.2732	0.9012	0.0012	-0.0007	0.0005	2.50	PASS
								0.00	1.8024	0.0000	0.0143	0.0011	0.0000	0.0000	2.50	PASS
				10.00	1.0729	0.0572	-0.5579	0.0006	0.0000	-0.0003	2.50	PASS				
				20.00	0.7725	0.3004	-0.5722	0.0005	0.0002	-0.0003	2.50	PASS				
				30.00	0.2146	-0.4148	0.4292	0.0001	-0.0002	0.0002	2.50	PASS				
				40.00	0.8726	0.1001	0.3290	0.0005	0.0001	0.0002	2.50	PASS				
				50.00	1.0443	0.8154	1.1730	0.0006	0.0005	0.0007	2.50	PASS				

Test Band: 4 _ 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	0.4721	-0.4721	-2.8324	0.0003	-0.0003	-0.0016	2.50	PASS
				NV	1.4162	-0.8440	-1.8311	0.0008	-0.0005	-0.0010	2.50	PASS
				HV	-0.9441	0.9298	-2.7037	-0.0006	0.0005	-0.0015	2.50	PASS
16QAM	25	0	NT	LV	0.8869	-0.6294	-1.3733	0.0005	-0.0004	-0.0008	2.50	PASS
				NV	0.3433	0.7153	-4.0054	0.0002	0.0004	-0.0023	2.50	PASS
				HV	3.1042	-0.1001	-1.5306	0.0018	-0.0001	-0.0009	2.50	PASS

Test Band: 4 _ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	0.5722	0.8440	-2.7609	0.0003	0.0005	-0.0016	2.50	PASS
				-20.00	0.1574	1.6880	-1.6880	0.0001	0.0010	-0.0010	2.50	PASS
				-10.00	1.7023	0.5865	-2.1744	0.0010	0.0003	-0.0012	2.50	PASS
				0.00	0.8297	-0.0715	-3.9053	0.0005	0.0000	-0.0022	2.50	PASS
				10.00	0.5722	-0.5436	-2.1458	0.0003	-0.0003	-0.0012	2.50	PASS
				20.00	2.2459	-0.2861	-3.7479	0.0013	-0.0002	-0.0021	2.50	PASS
				30.00	1.6594	1.2302	-2.7752	0.0010	0.0007	-0.0016	2.50	PASS
				40.00	1.5306	2.0885	-4.8351	0.0009	0.0012	-0.0028	2.50	PASS
				50.00	1.5306	1.4448	-2.3031	0.0009	0.0008	-0.0013	2.50	PASS
16QAM	25	0	NV	-30.00	0.7296	0.7582	-2.8610	0.0004	0.0004	-0.0016	2.50	PASS
				-20.00	1.2159	-1.2302	-2.4605	0.0007	-0.0007	-0.0014	2.50	PASS
				-10.00	0.8869	-0.0572	-3.6764	0.0005	0.0000	-0.0021	2.50	PASS
				0.00	1.9169	-0.2432	-3.0899	0.0011	-0.0001	-0.0018	2.50	PASS
				10.00	1.0443	0.3433	-3.6192	0.0006	0.0002	-0.0021	2.50	PASS
				20.00	0.8869	-0.2432	-2.4462	0.0005	-0.0001	-0.0014	2.50	PASS
				30.00	1.3590	-0.0286	-4.4632	0.0008	0.0000	-0.0025	2.50	PASS
				40.00	1.3161	0.6437	-3.4332	0.0008	0.0004	-0.0020	2.50	PASS
				50.00	0.7439	-0.4721	-4.5919	0.0004	-0.0003	-0.0026	2.50	PASS

Test Band: 4 _ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	-1.9741	0.5436	-0.4435	-0.0012	0.0003	-0.0003	2.50	PASS
				NV	-3.9482	-1.1730	0.9584	-0.0023	-0.0007	0.0005	2.50	PASS
				HV	-3.0327	0.0143	1.3161	-0.0018	0.0000	0.0008	2.50	PASS
16QAM	50	0	NT	LV	-2.2459	-0.6008	0.4721	-0.0013	-0.0003	0.0003	2.50	PASS

			NV	-1.8024	0.5722	-0.2003	-0.0011	0.0003	-0.0001	2.50	PASS
			HV	-3.0899	0.6294	-0.3576	-0.0018	0.0004	-0.0002	2.50	PASS

Test Band: 4 _ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	-3.1185	0.6866	0.5007	-0.0018	0.0004	0.0003	2.50	PASS
				-20.00	-4.9782	1.2445	0.5007	-0.0029	0.0007	0.0003	2.50	PASS
				-10.00	-3.0327	-0.3576	0.9871	-0.0018	-0.0002	0.0006	2.50	PASS
				0.00	-1.6451	0.5436	1.2016	-0.0010	0.0003	0.0007	2.50	PASS
				10.00	-3.4046	0.0286	-0.6437	-0.0020	0.0000	-0.0004	2.50	PASS
				20.00	-2.7323	0.6580	-0.4148	-0.0016	0.0004	-0.0002	2.50	PASS
				30.00	-5.0783	-1.0300	-1.8168	-0.0030	-0.0006	-0.0010	2.50	PASS
				40.00	-1.8024	-1.0300	0.3576	-0.0011	-0.0006	0.0002	2.50	PASS
16QAM	50	0	NV	50.00	-2.3174	-0.7725	-1.4162	-0.0014	-0.0004	-0.0008	2.50	PASS
				-30.00	-2.0885	-0.1717	0.6437	-0.0012	-0.0001	0.0004	2.50	PASS
				-20.00	-2.3317	0.9298	0.1431	-0.0014	0.0005	0.0001	2.50	PASS
				-10.00	-2.8324	-0.6151	0.5722	-0.0017	-0.0004	0.0003	2.50	PASS
				0.00	-2.6894	0.6294	-0.3862	-0.0016	0.0004	-0.0002	2.50	PASS
				10.00	-3.2902	0.3862	-0.9441	-0.0019	0.0002	-0.0005	2.50	PASS
				20.00	-2.9182	-0.0286	0.5293	-0.0017	0.0000	0.0003	2.50	PASS
				30.00	-2.7323	-0.9871	0.0143	-0.0016	-0.0006	0.0000	2.50	PASS
16QAM	50	0	NV	40.00	-3.3331	0.2718	0.1860	-0.0019	0.0002	0.0001	2.50	PASS
				50.00	-3.6478	-0.6723	-0.2289	-0.0021	-0.0004	-0.0001	2.50	PASS

Test Band: 4 _ 15MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NT	LV	-0.2289	-0.0572	-1.4162	-0.0001	0.0000	-0.0008	2.50	PASS
				NV	1.5879	-0.8583	0.6008	0.0009	-0.0005	0.0003	2.50	PASS
				HV	-0.3147	-0.2146	-1.2732	-0.0002	-0.0001	-0.0007	2.50	PASS
16QAM	75	0	NT	LV	-0.6008	0.3004	-0.4005	-0.0003	0.0002	-0.0002	2.50	PASS
				NV	-0.0143	-0.2575	1.3447	0.0000	-0.0001	0.0008	2.50	PASS
				HV	0.1431	-0.6008	-0.0429	0.0001	-0.0003	0.0000	2.50	PASS

Test Band: 4 _ 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NV	-30.00	0.1144	1.4591	0.2003	0.0001	0.0008	0.0001	2.50	PASS
				-20.00	-0.6008	-0.3719	0.3433	-0.0003	-0.0002	0.0002	2.50	PASS
				-10.00	0.5436	0.5865	0.9584	0.0003	0.0003	0.0005	2.50	PASS
				0.00	-0.4005	-0.1287	0.4578	-0.0002	-0.0001	0.0003	2.50	PASS
				10.00	-0.1574	2.8324	-0.2718	-0.0001	0.0016	-0.0002	2.50	PASS
				20.00	0.8154	1.5879	1.1444	0.0005	0.0009	0.0007	2.50	PASS
				30.00	-1.3304	-0.8869	1.0586	-0.0008	-0.0005	0.0006	2.50	PASS
				40.00	1.0872	-0.3004	0.5436	0.0006	-0.0002	0.0003	2.50	PASS
16QAM	75	0	NV	50.00	0.4148	-0.6437	0.3290	0.0002	-0.0004	0.0002	2.50	PASS
				-30.00	-0.2289	-0.0715	0.0715	-0.0001	0.0000	0.0000	2.50	PASS
				-20.00	-0.3576	-0.1717	1.2588	-0.0002	-0.0001	0.0007	2.50	PASS
				-10.00	-0.0715	0.4578	-0.7296	0.0000	0.0003	-0.0004	2.50	PASS
				0.00	-0.0286	-0.3004	-0.5293	0.0000	-0.0002	-0.0003	2.50	PASS
				10.00	-0.5007	-1.2159	0.0000	-0.0003	-0.0007	0.0000	2.50	PASS
				20.00	0.9155	-0.1144	1.9026	0.0005	-0.0001	0.0011	2.50	PASS
				30.00	1.5020	-0.4292	0.1574	0.0009	-0.0002	0.0001	2.50	PASS
16QAM	75	0	NV	40.00	-0.2289	-0.3862	-0.5007	-0.0001	-0.0002	-0.0003	2.50	PASS

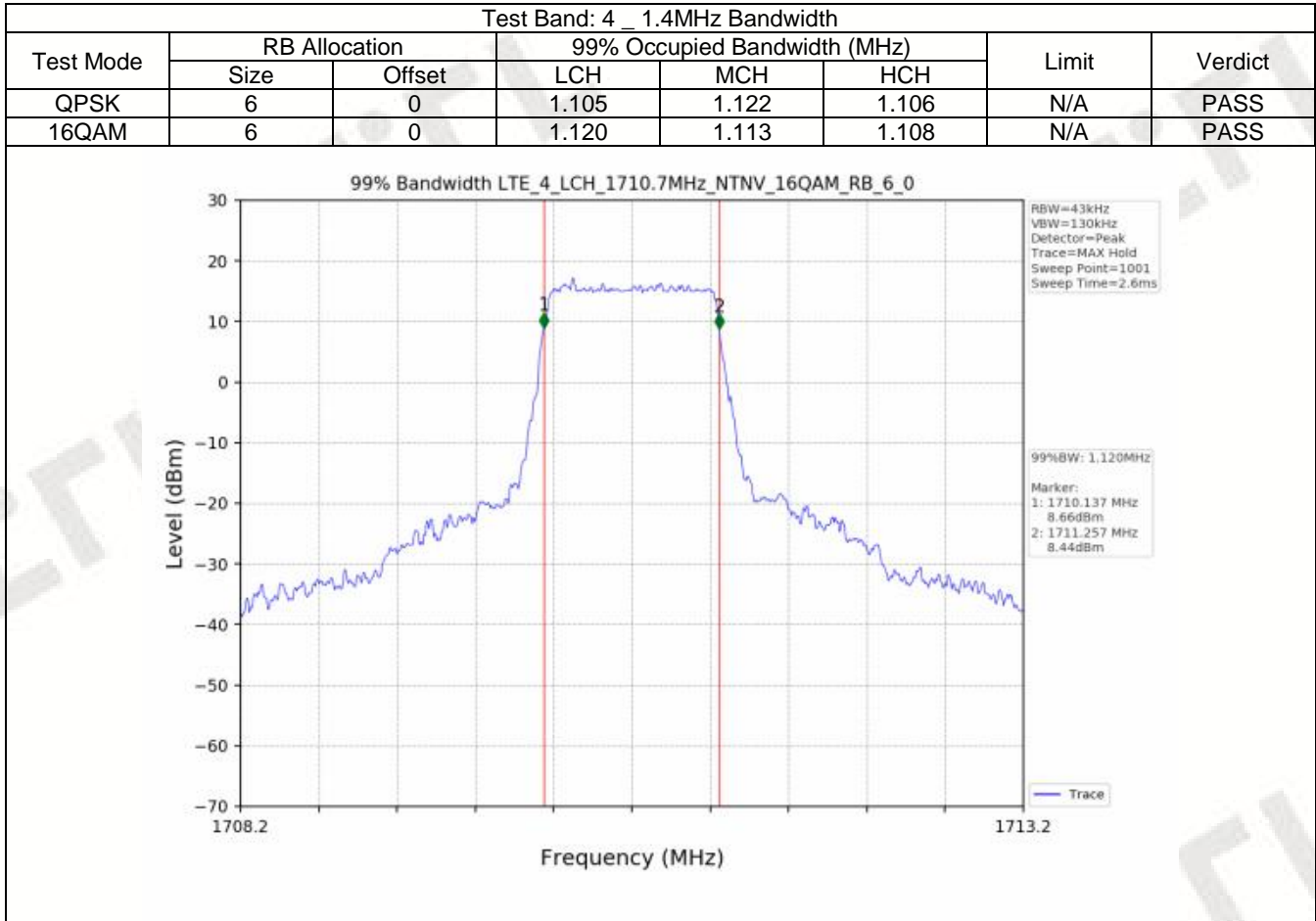
				50.00	0.1144	-0.6866	0.2861	0.0001	-0.0004	0.0002	2.50	PASS
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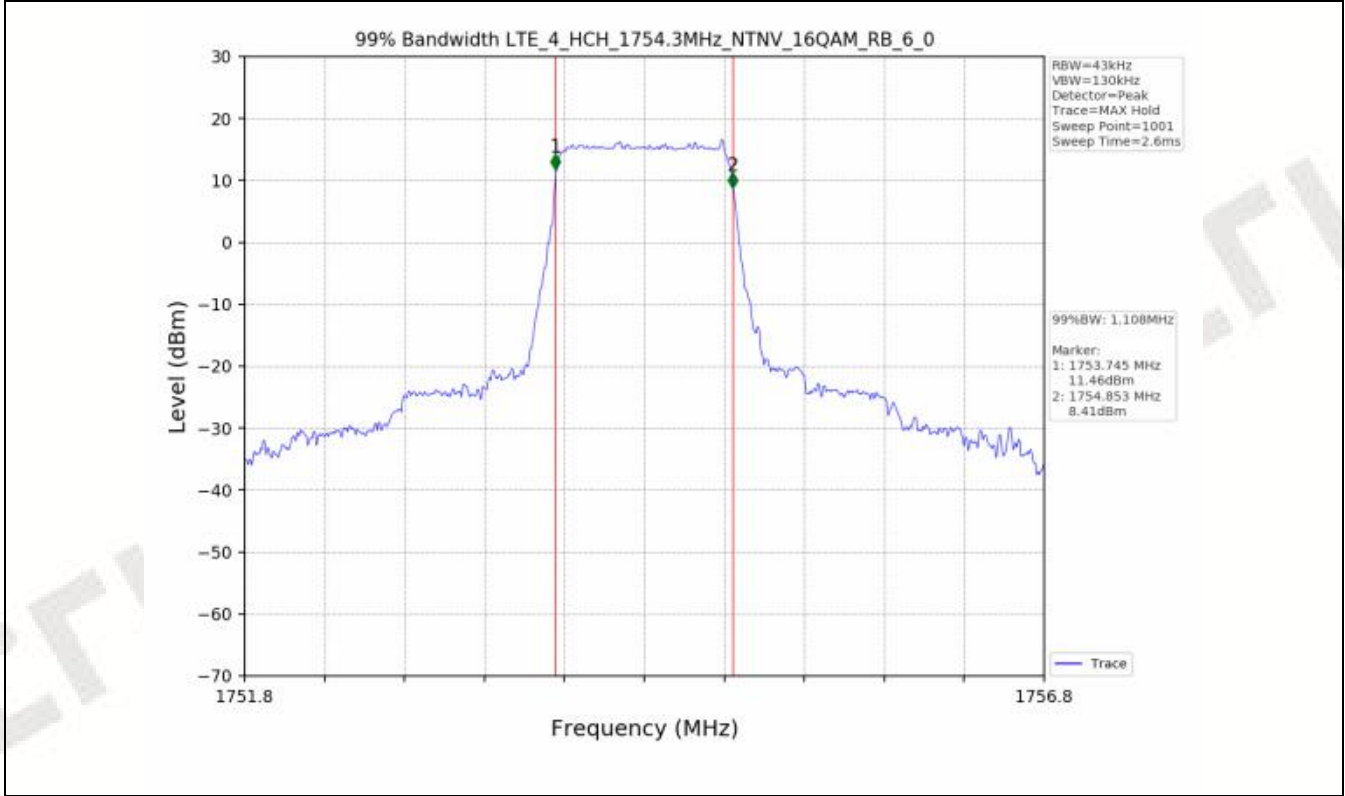
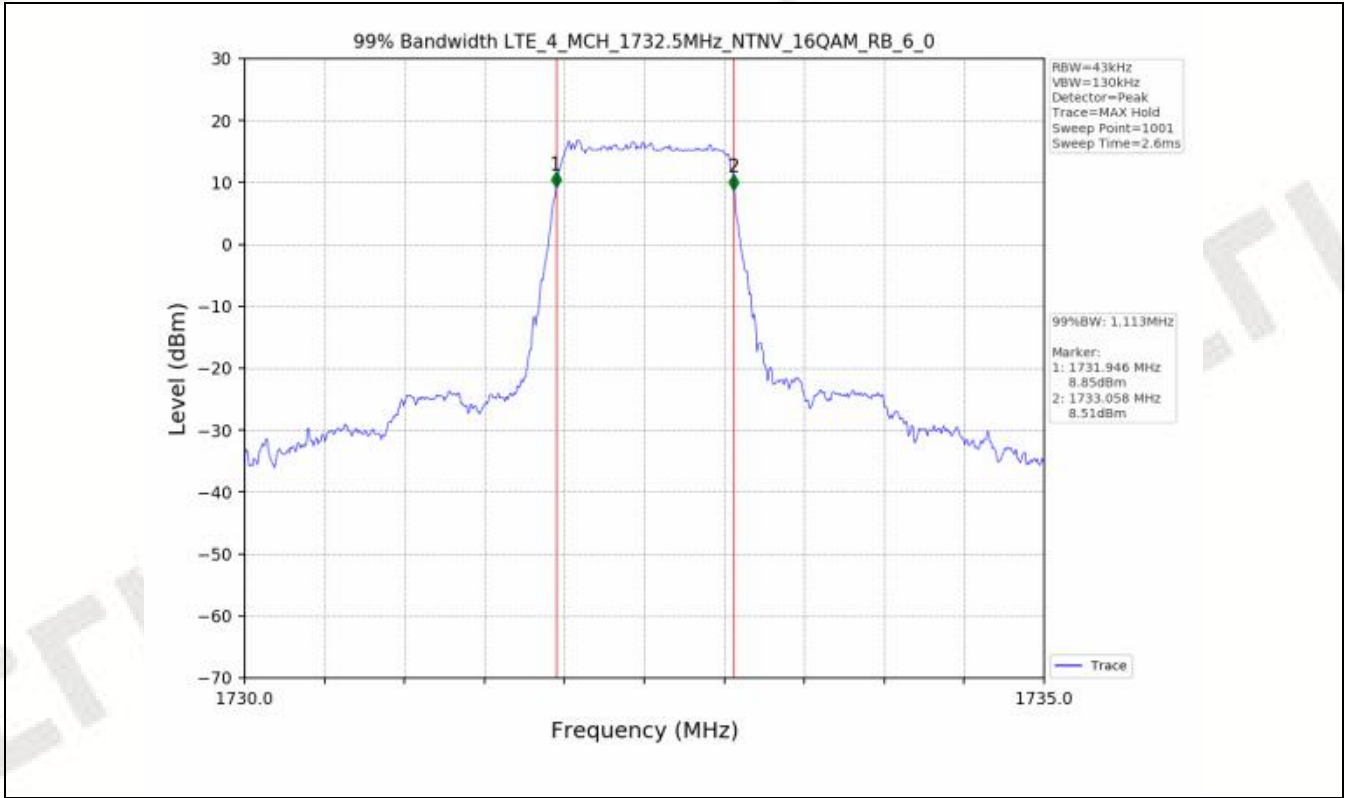
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Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	0.1717	0.0286	-2.3890	0.0001	0.0000	-0.0014	2.50	PASS
				NV	0.0286	-1.3161	-0.8297	0.0000	-0.0008	-0.0005	2.50	PASS
				HV	2.4748	0.4005	-2.3317	0.0014	0.0002	-0.0013	2.50	PASS
16QAM	100	0	NT	LV	1.7595	-1.2445	-3.5763	0.0010	-0.0007	-0.0020	2.50	PASS
				NV	1.4877	-0.4148	-4.4060	0.0009	-0.0002	-0.0025	2.50	PASS
				HV	1.1444	-0.3576	-3.3760	0.0007	-0.0002	-0.0019	2.50	PASS

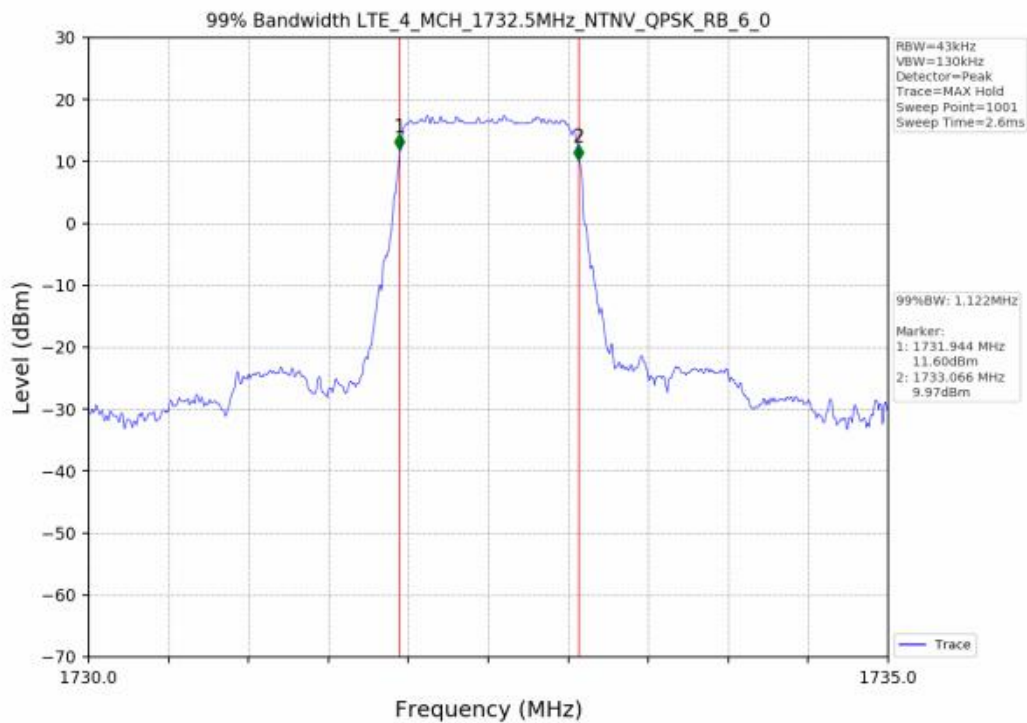
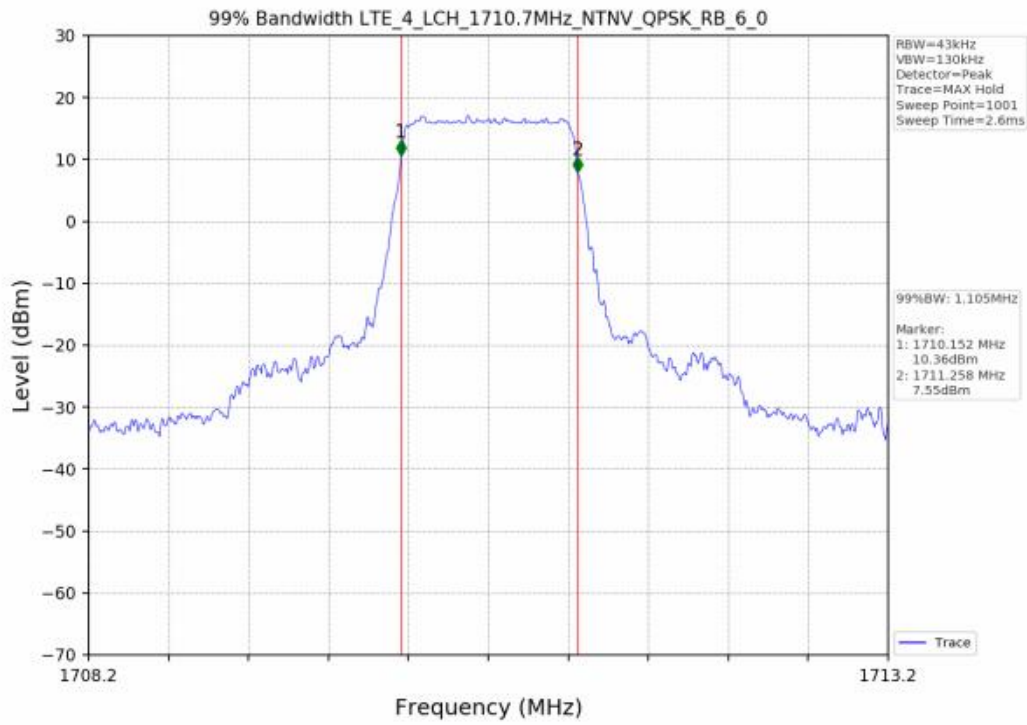
Test Band: 4 _ 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	1.4448	1.0443	-4.3058	0.0008	0.0006	-0.0025	2.50	PASS
				-20.00	1.6594	-0.1860	-3.7336	0.0010	-0.0001	-0.0021	2.50	PASS
				-10.00	1.4734	-0.7439	-3.9482	0.0009	-0.0004	-0.0023	2.50	PASS
				0.00	2.8324	-0.1144	-4.0197	0.0016	-0.0001	-0.0023	2.50	PASS
				10.00	2.8753	1.6737	-3.1471	0.0017	0.0010	-0.0018	2.50	PASS
				20.00	1.5163	-0.2432	-2.5034	0.0009	-0.0001	-0.0014	2.50	PASS
				30.00	1.0586	-0.5722	-3.3760	0.0006	-0.0003	-0.0019	2.50	PASS
				40.00	0.4578	1.7023	-3.3474	0.0003	0.0010	-0.0019	2.50	PASS
16QAM	100	0	NV	50.00	1.6880	0.4721	-2.9039	0.0010	0.0003	-0.0017	2.50	PASS
				-30.00	0.6723	0.9298	-3.6478	0.0004	0.0005	-0.0021	2.50	PASS
				-20.00	-0.1287	-1.3590	-3.5048	-0.0001	-0.0008	-0.0020	2.50	PASS
				-10.00	1.3733	-0.1431	-3.0613	0.0008	-0.0001	-0.0018	2.50	PASS
				0.00	1.0729	1.4734	-1.8168	0.0006	0.0009	-0.0010	2.50	PASS
				10.00	1.3733	-1.3018	-1.4019	0.0008	-0.0008	-0.0008	2.50	PASS
				20.00	0.3862	-1.1444	-3.1471	0.0002	-0.0007	-0.0018	2.50	PASS
				30.00	2.8038	-1.2732	-2.7180	0.0016	-0.0007	-0.0016	2.50	PASS
40.00	1.3876	1.7738	-2.1744	0.0008	0.0010	-0.0012	2.50	PASS				
				50.00	0.1860	-1.6022	-1.7166	0.0001	-0.0009	-0.0010	2.50	PASS

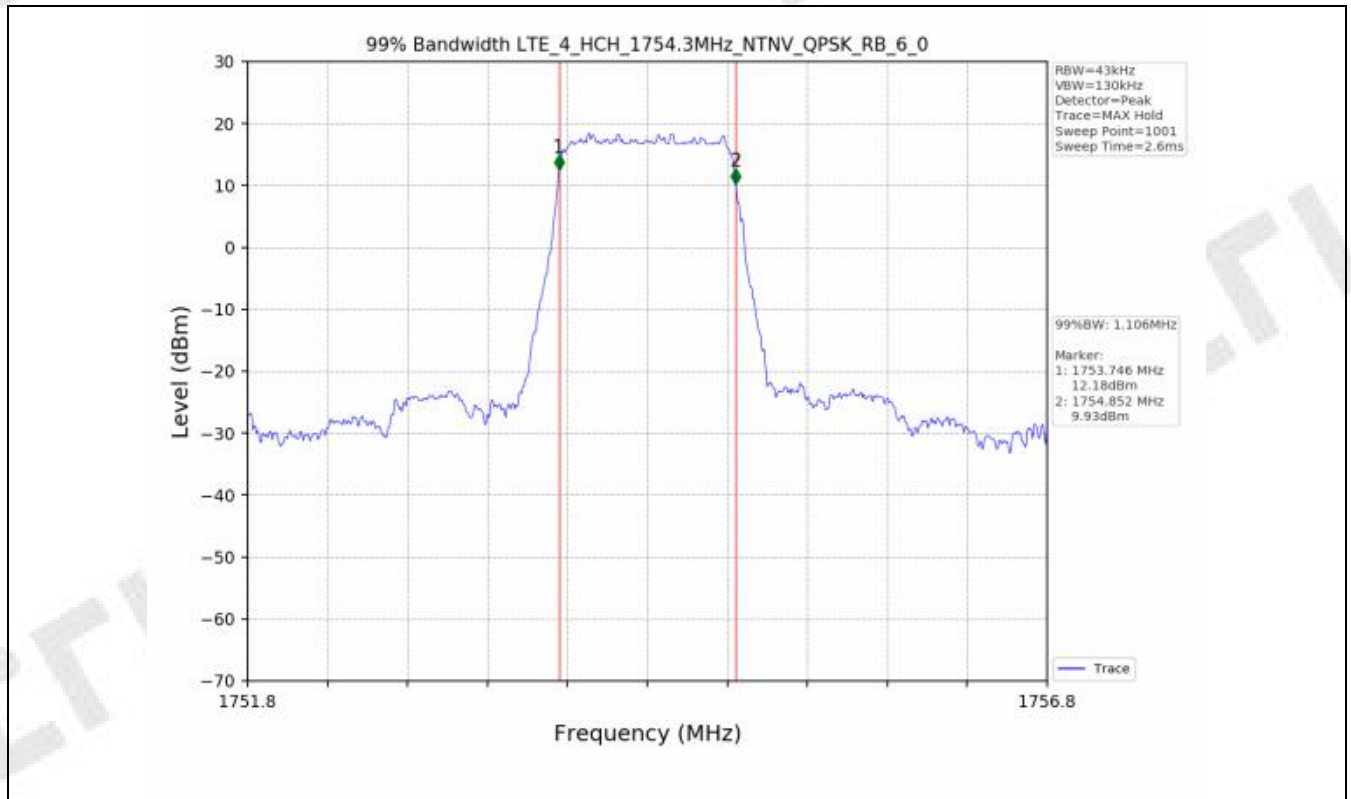
E3. 99% & 26dB Bandwidth

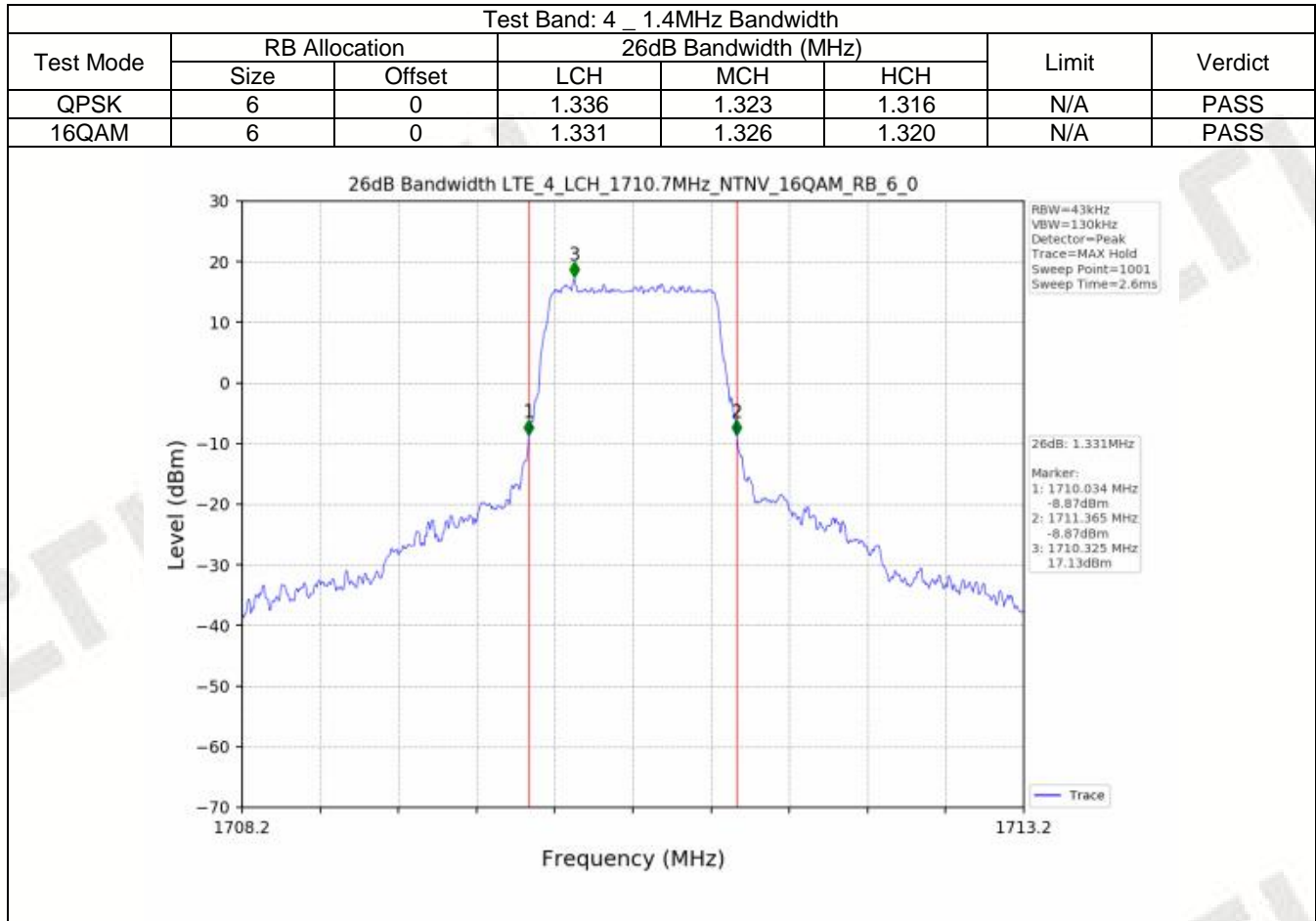
E3.1 Test Result

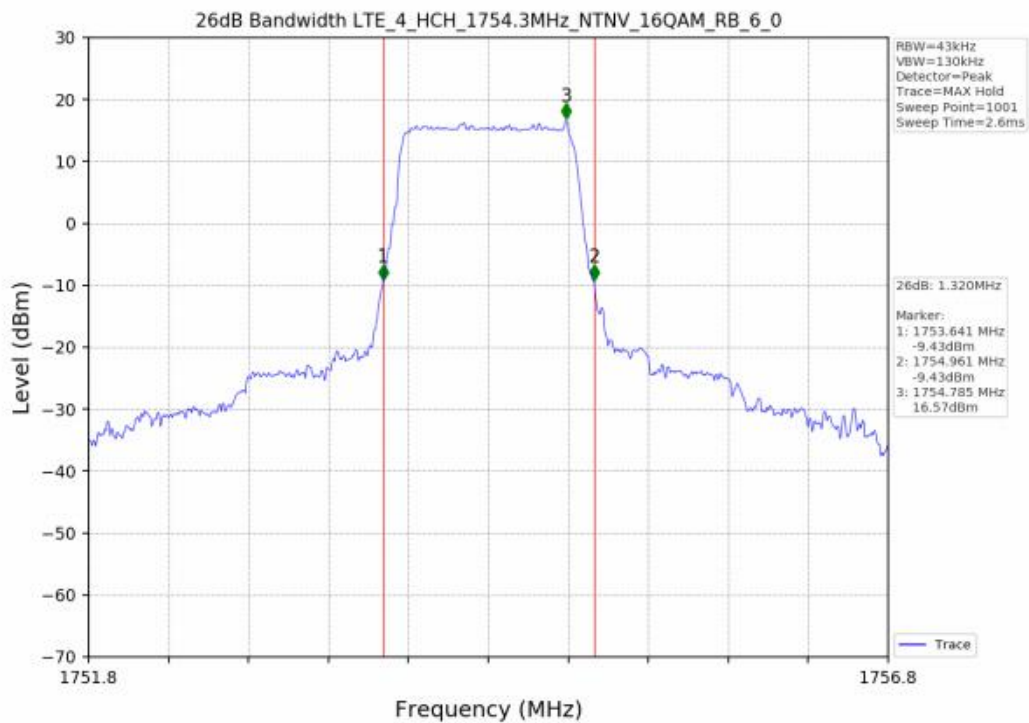
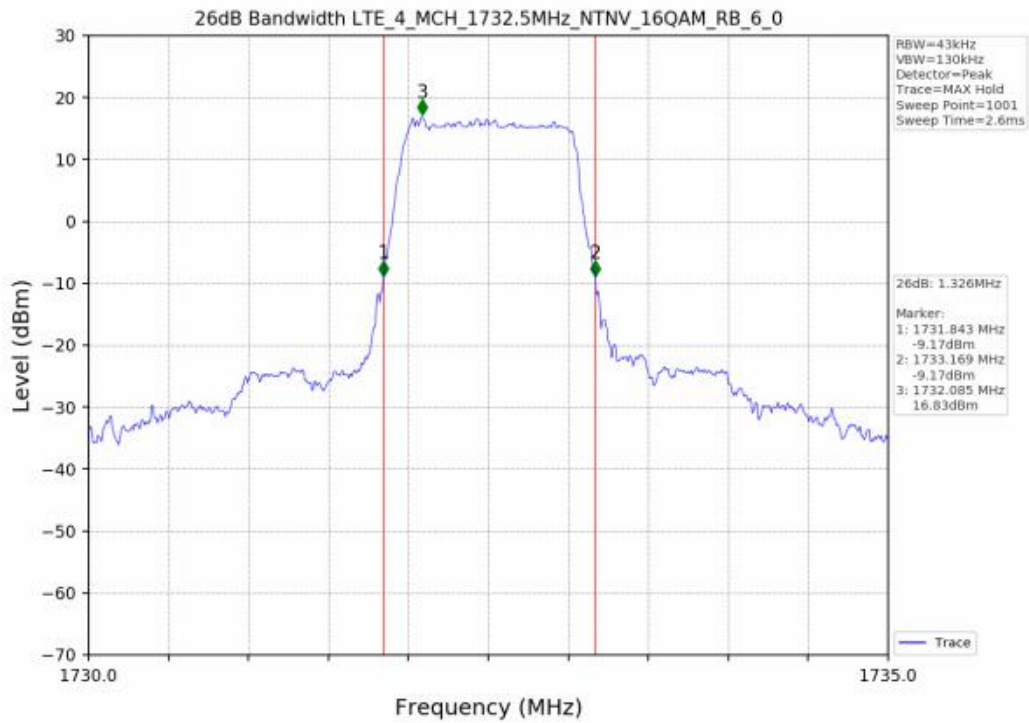


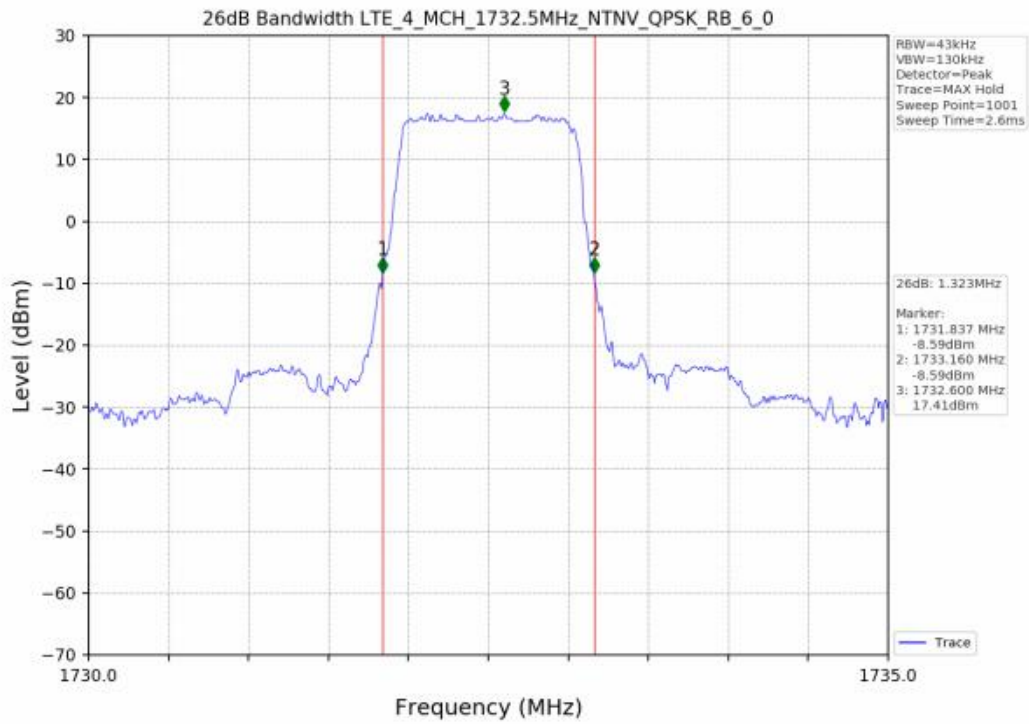
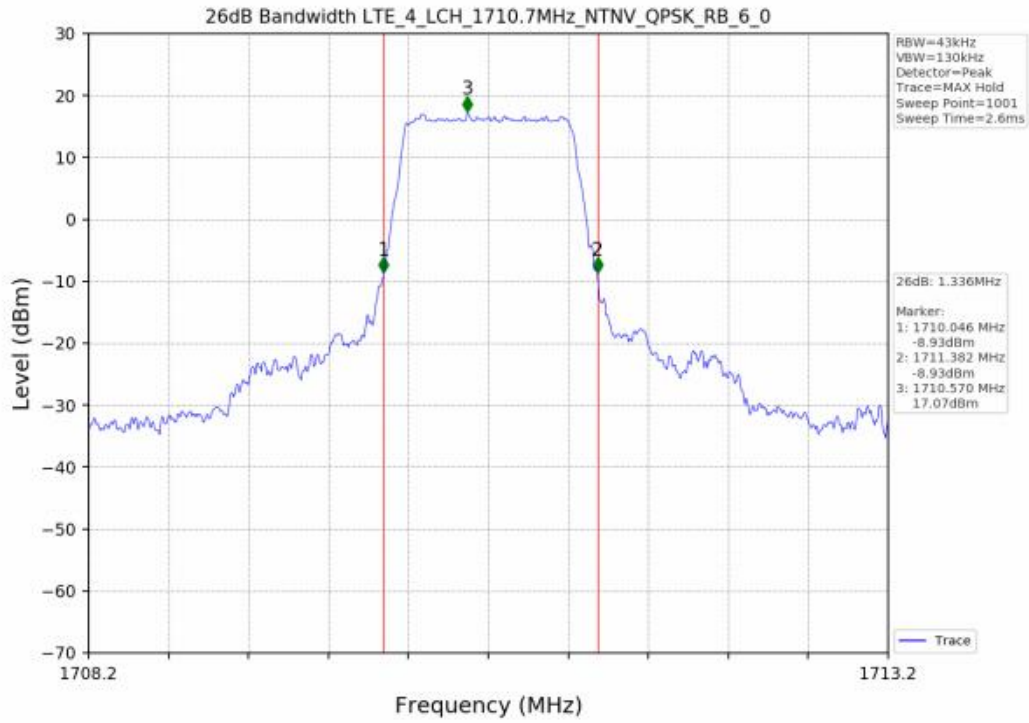


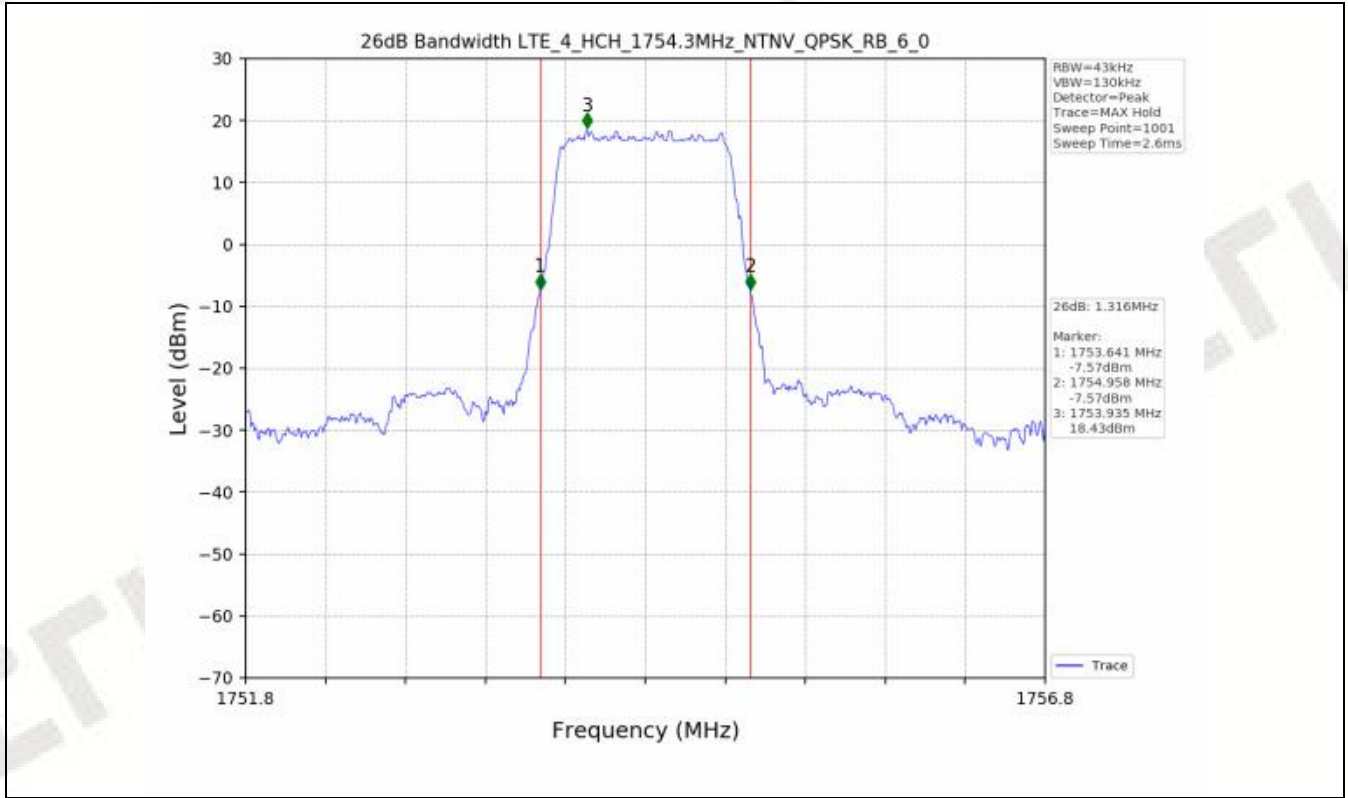


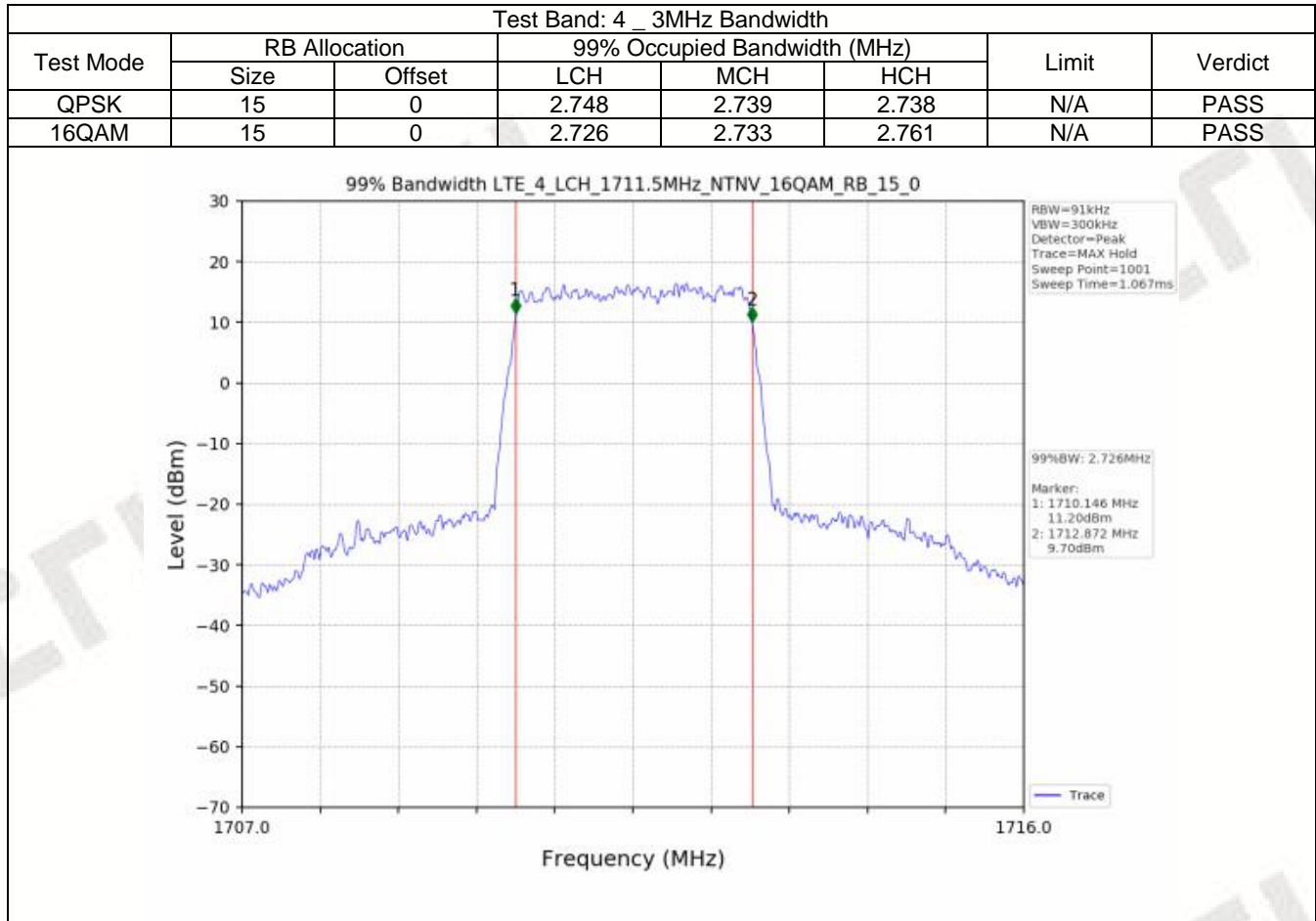


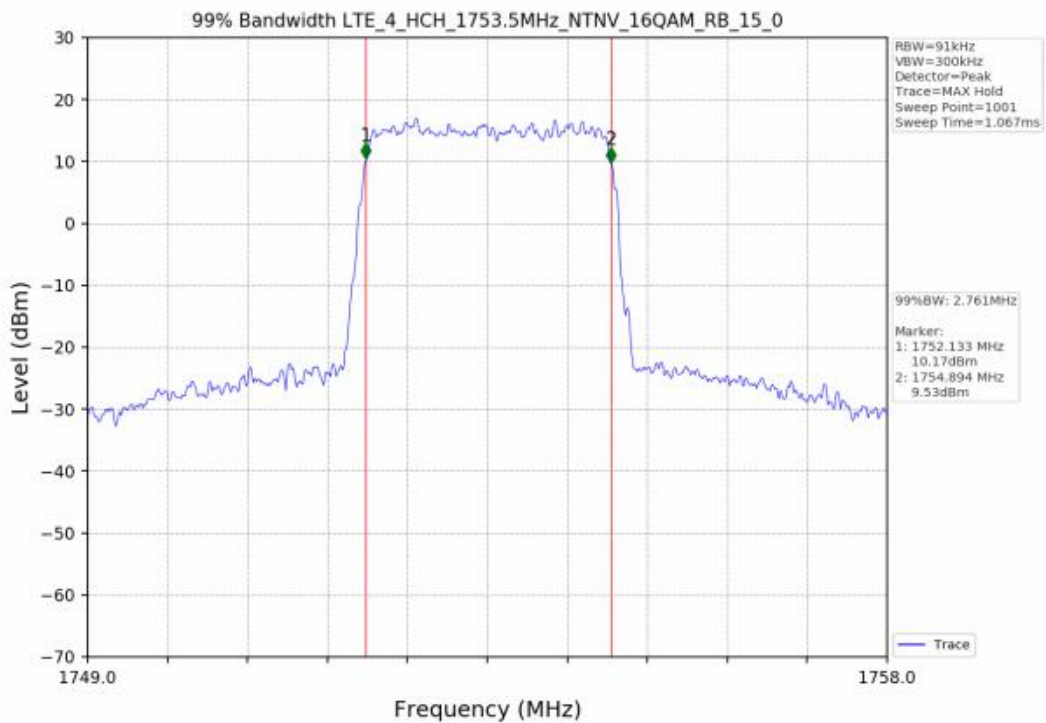
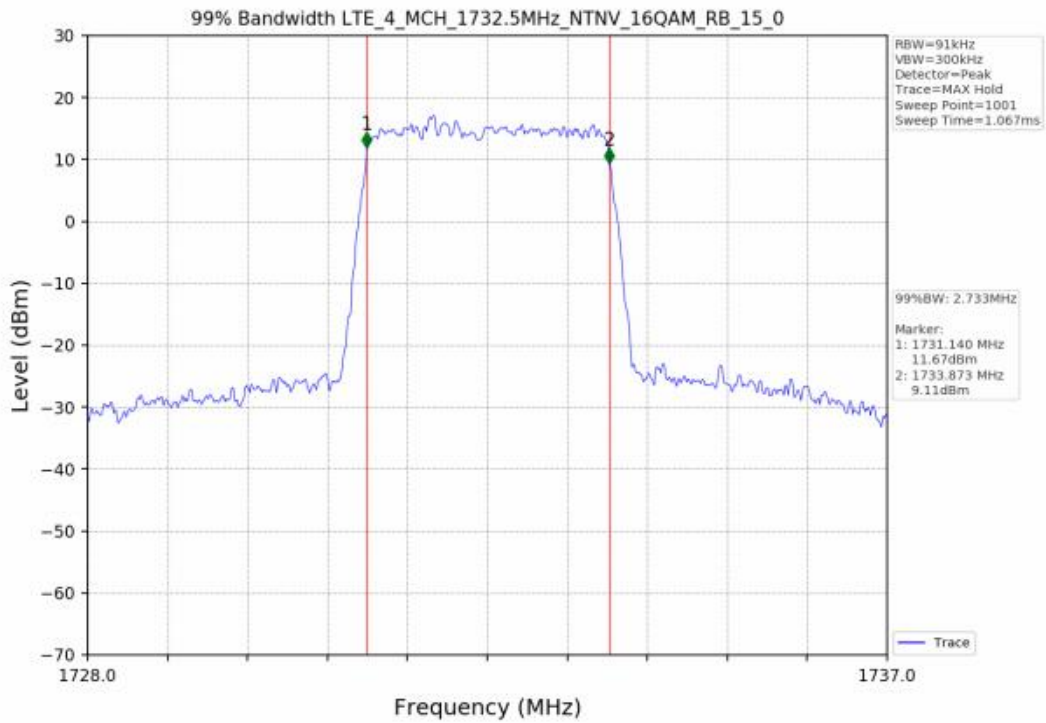


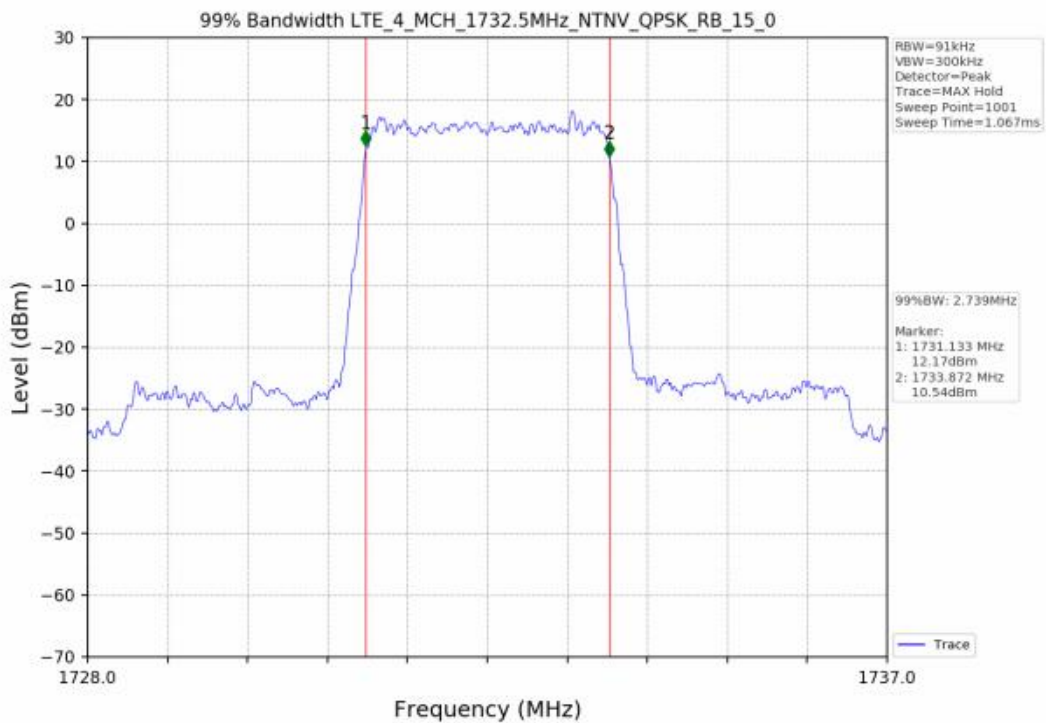
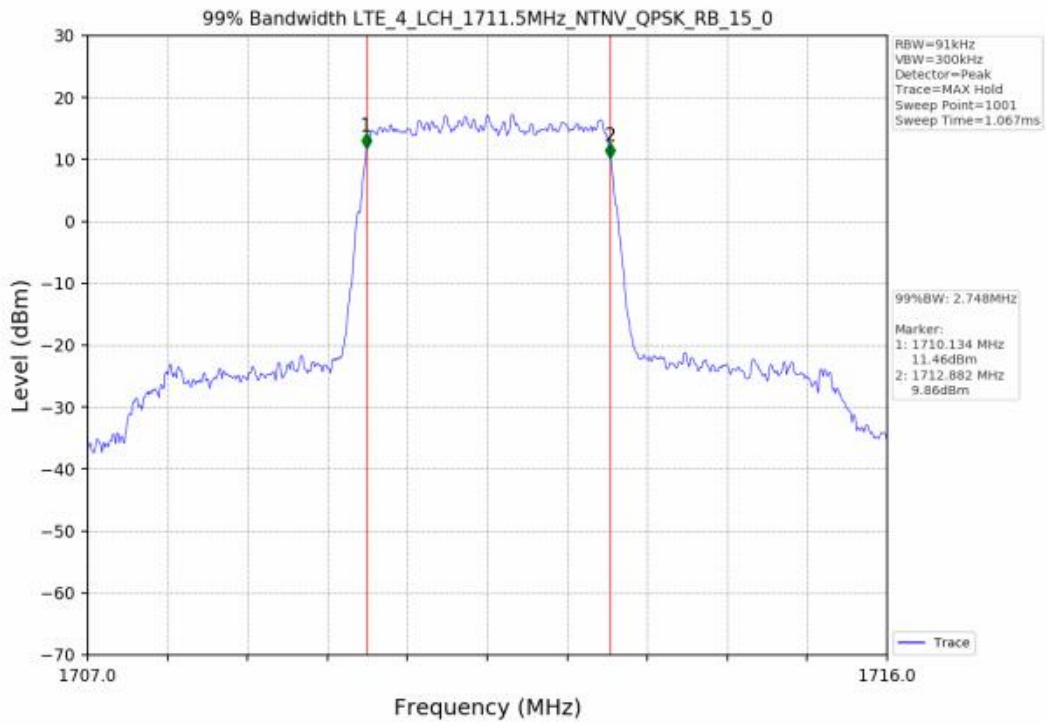


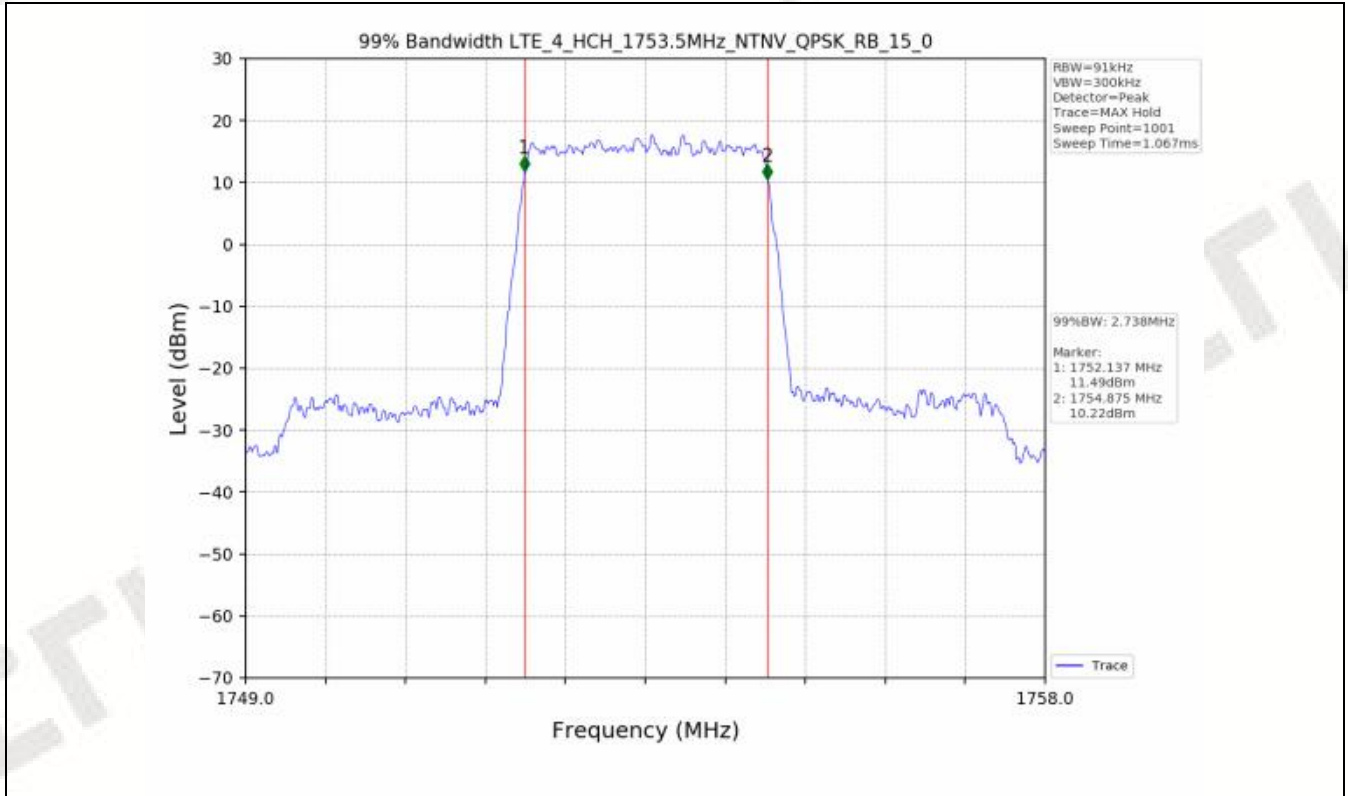


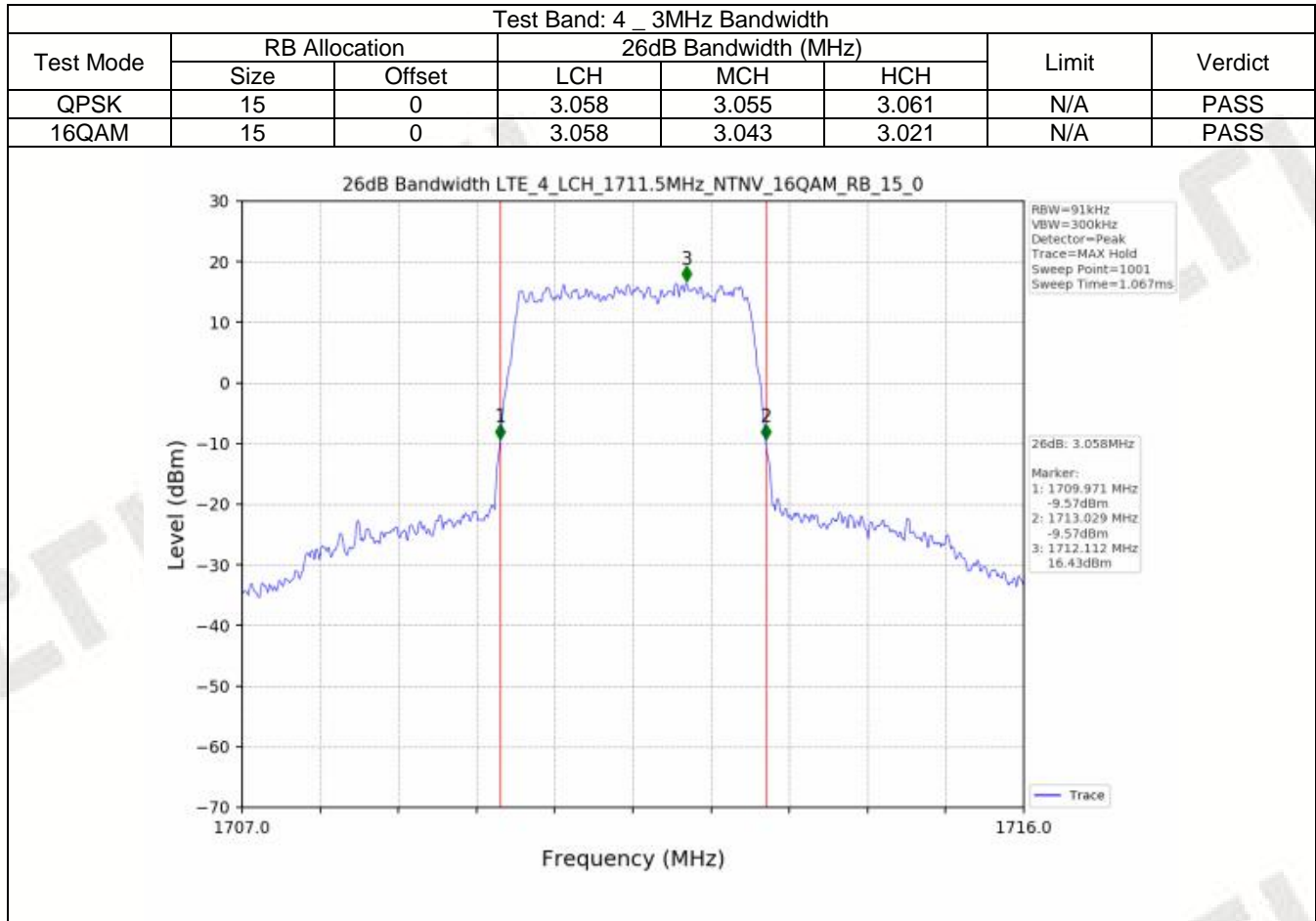


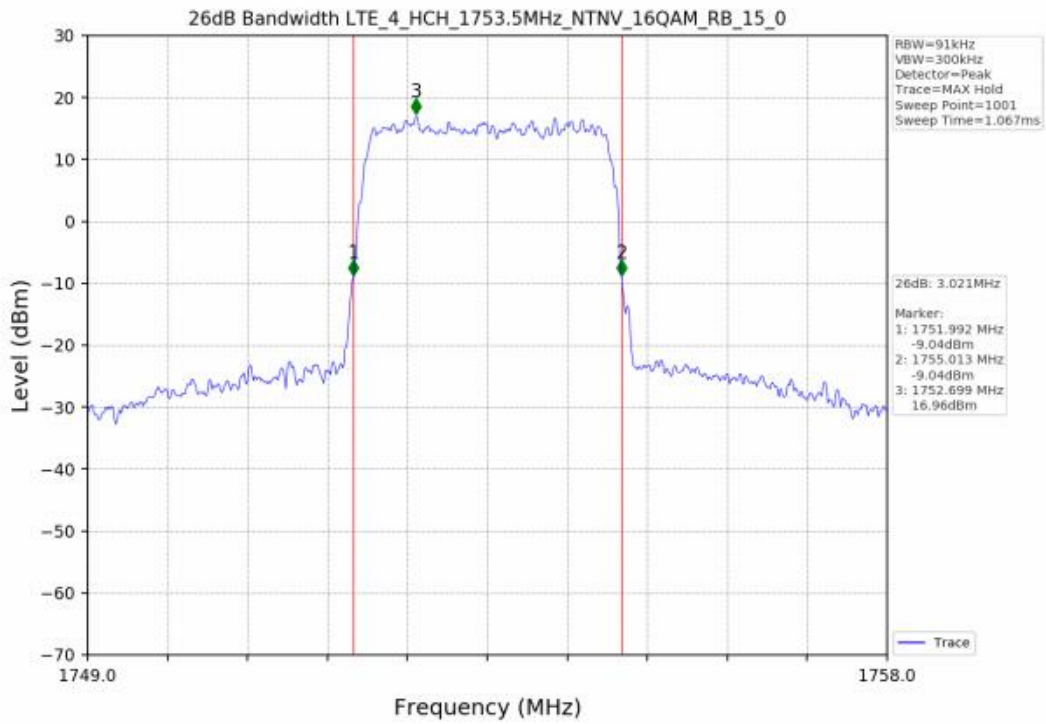
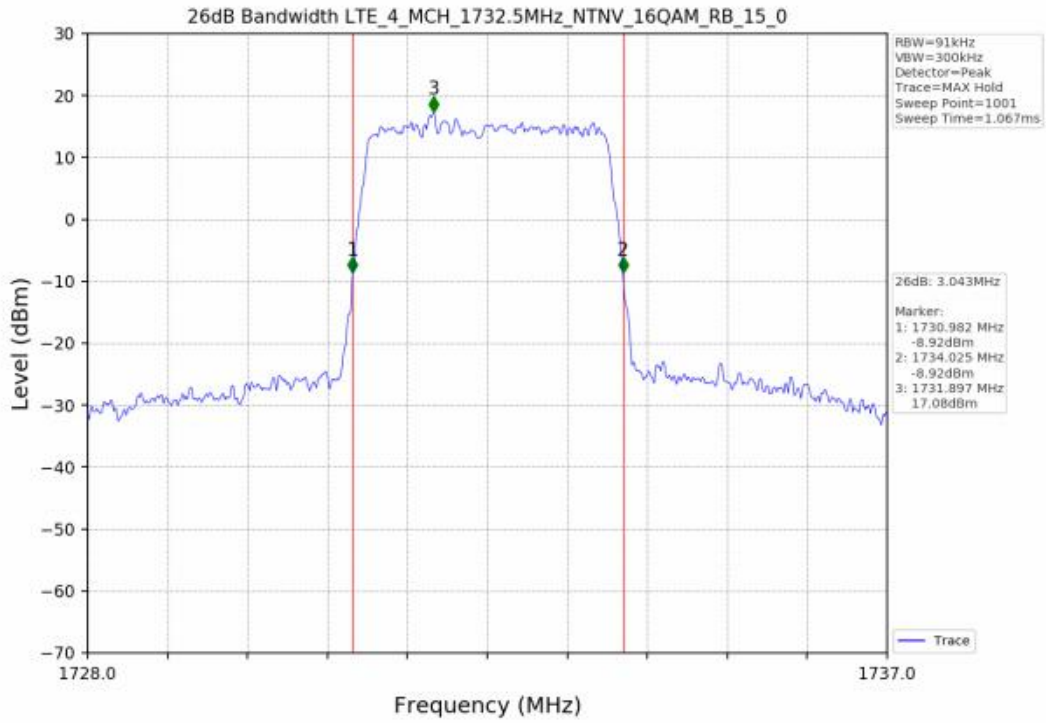


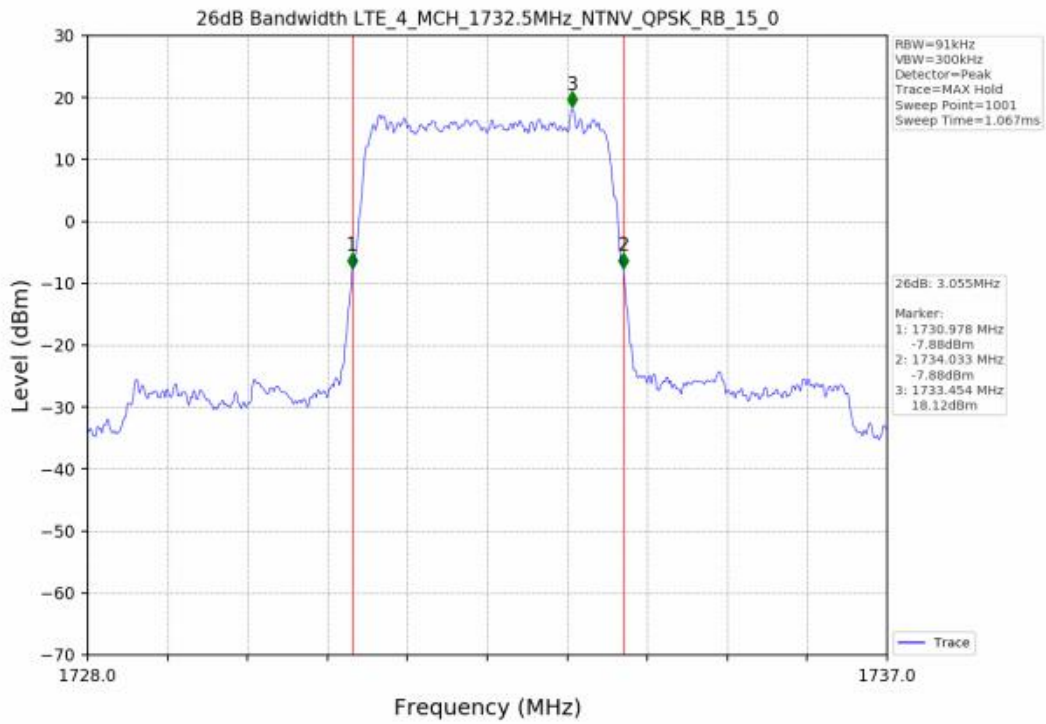
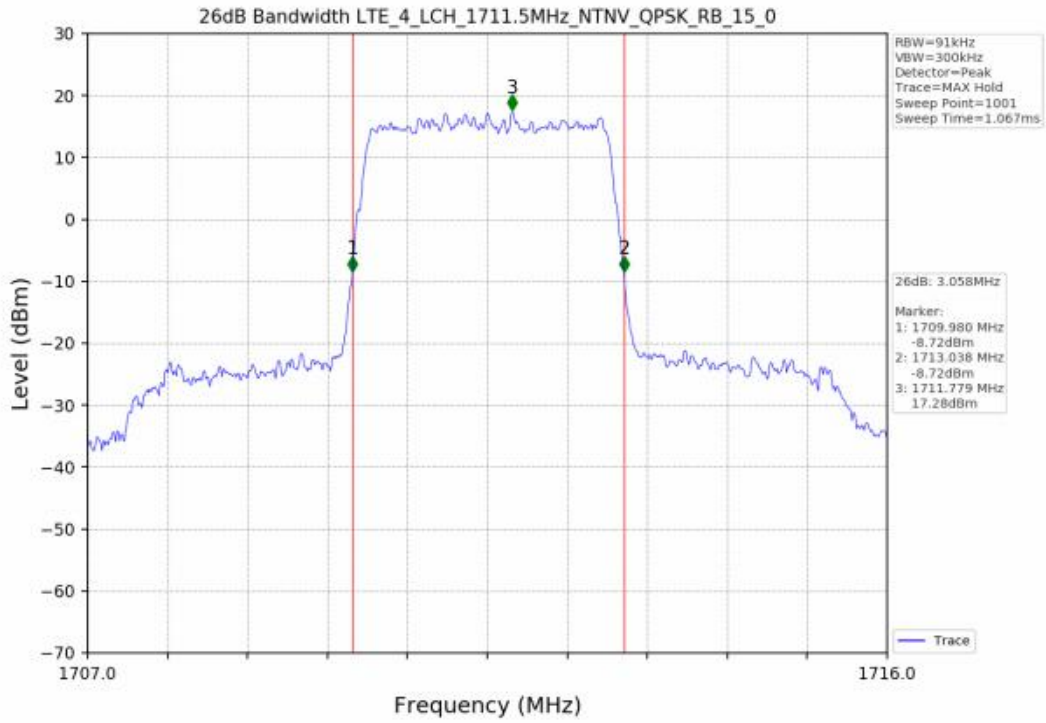


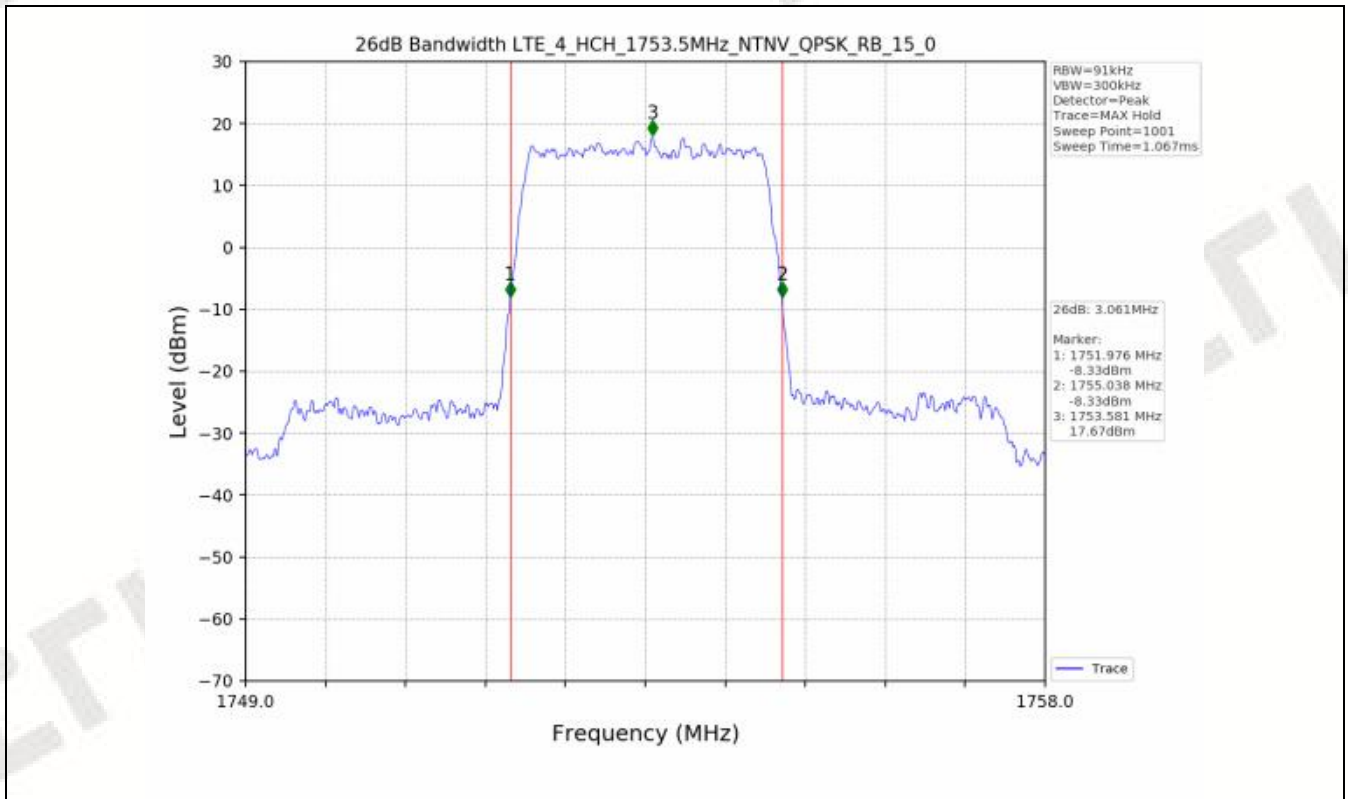


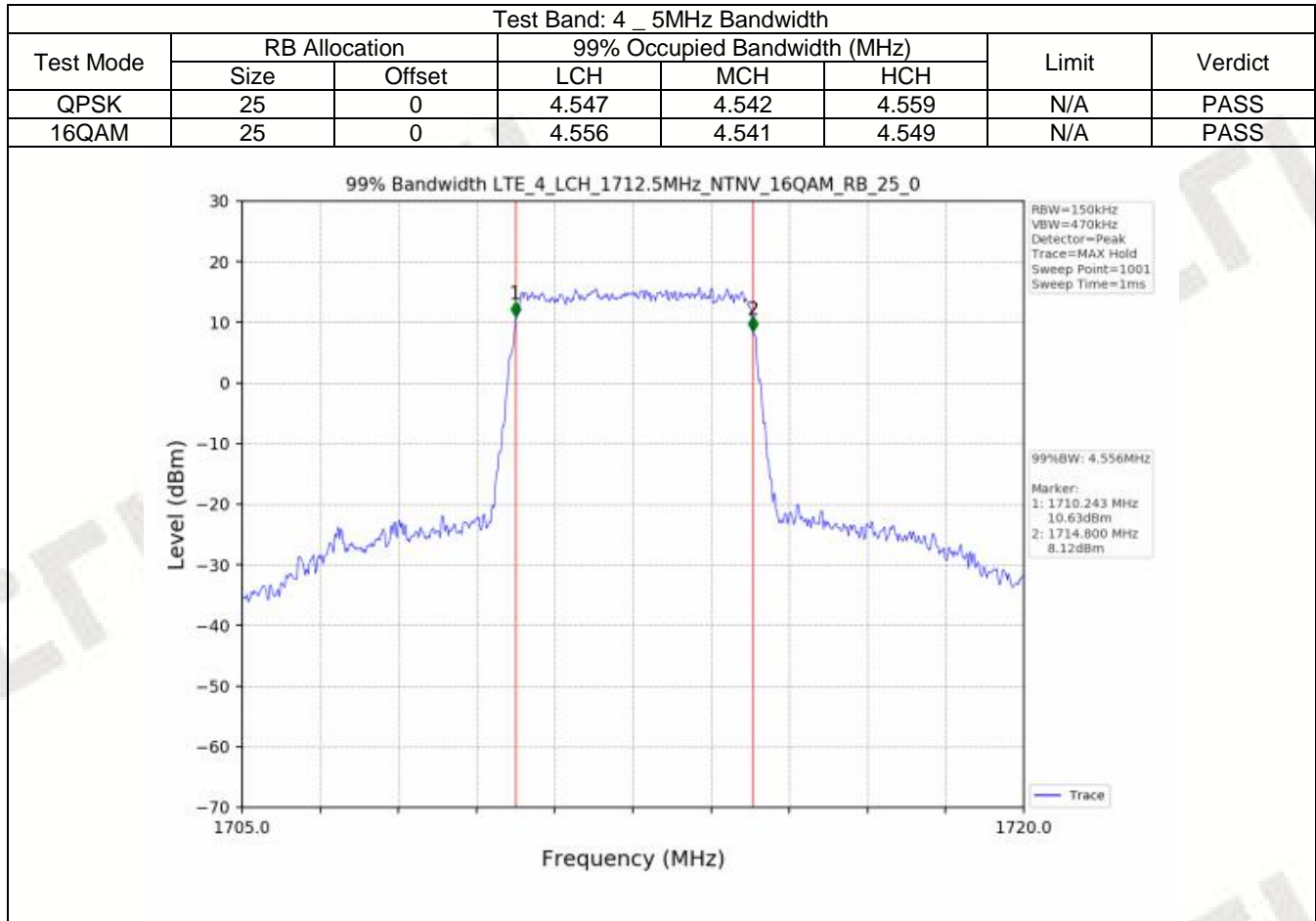


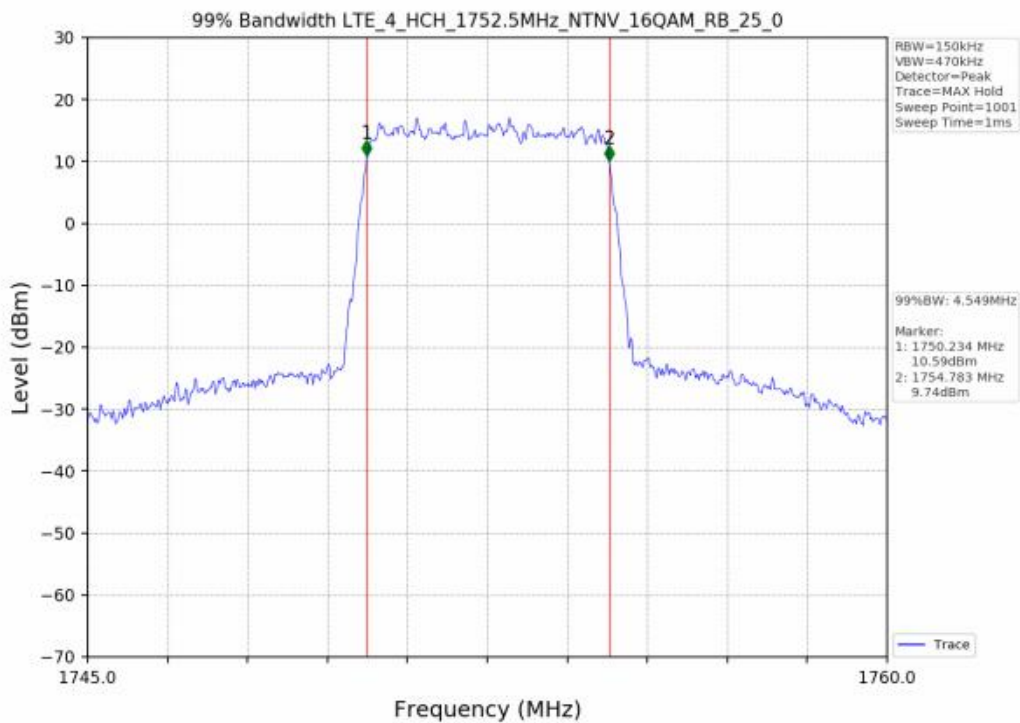
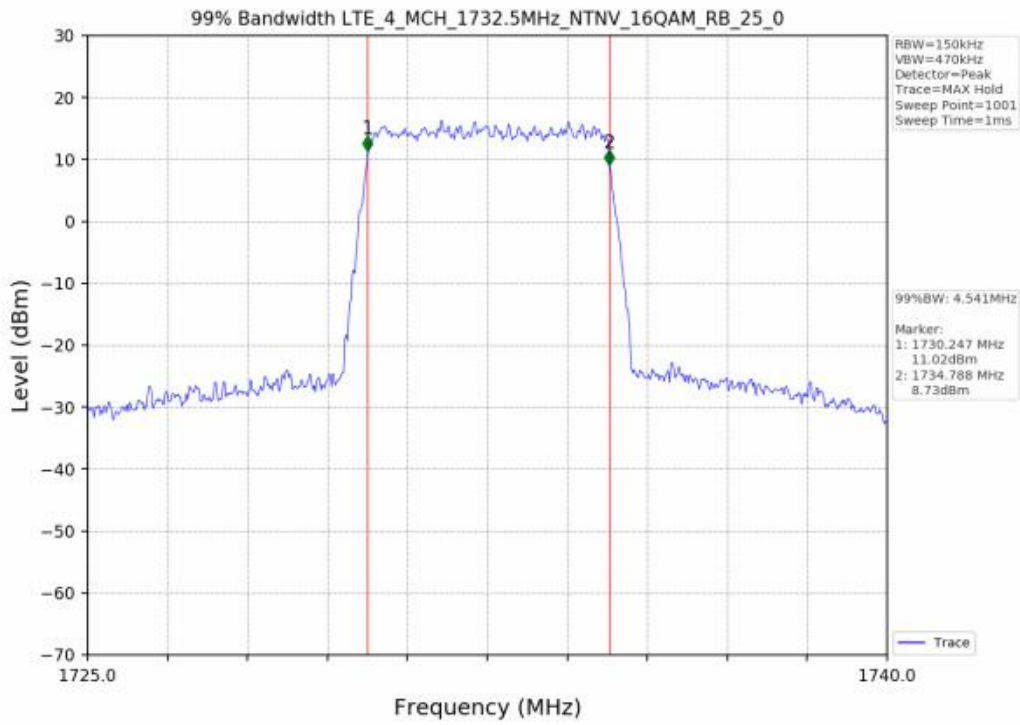


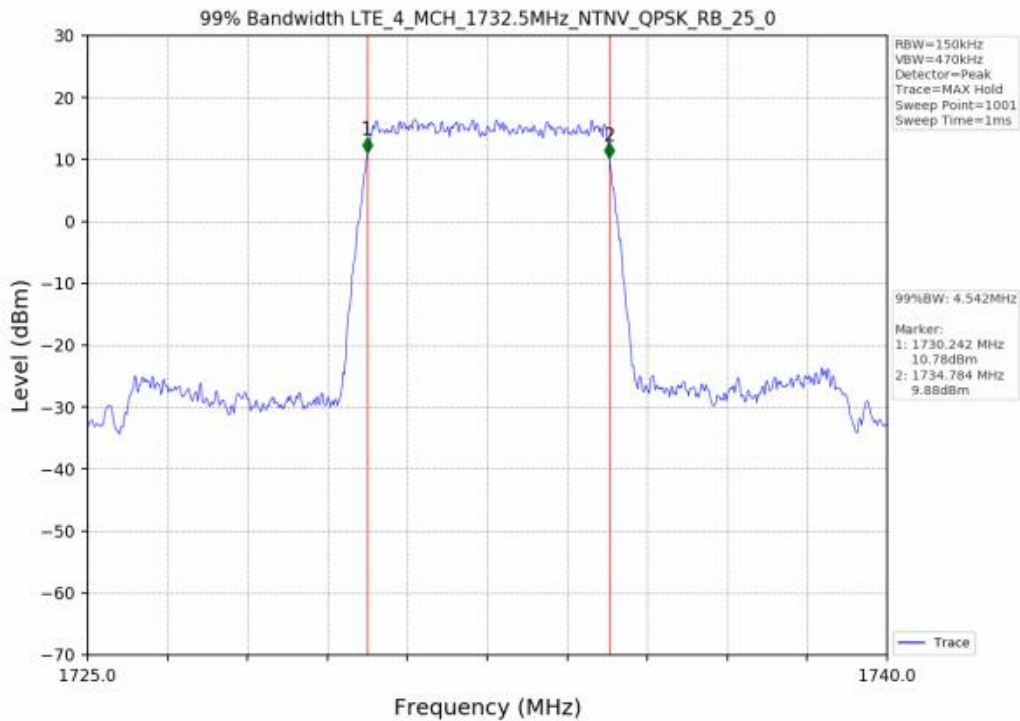
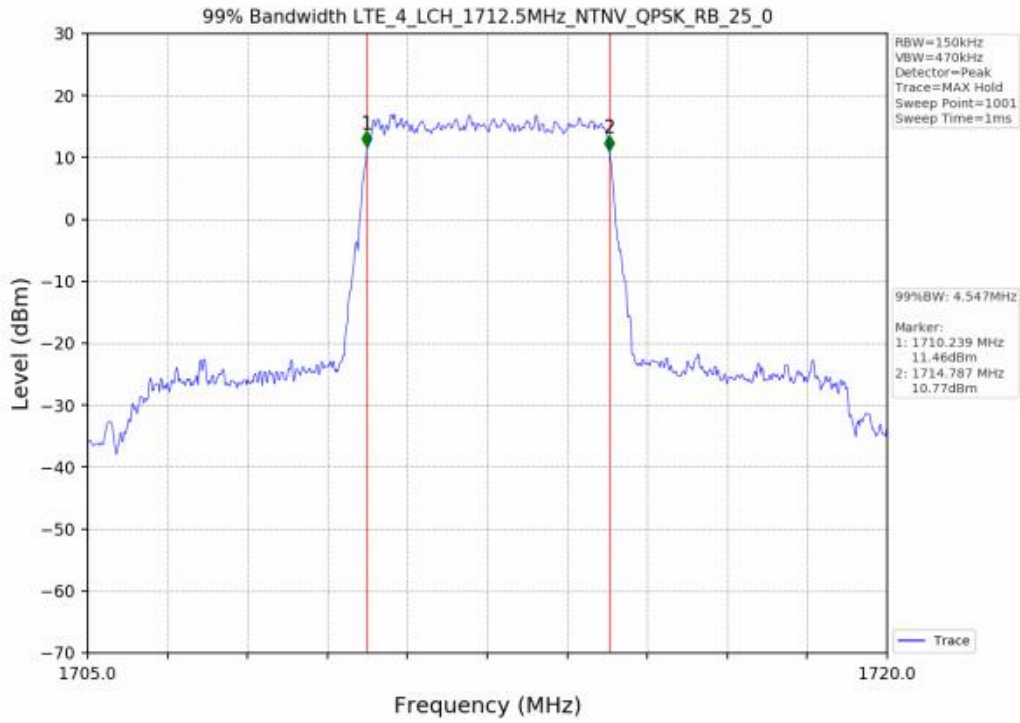


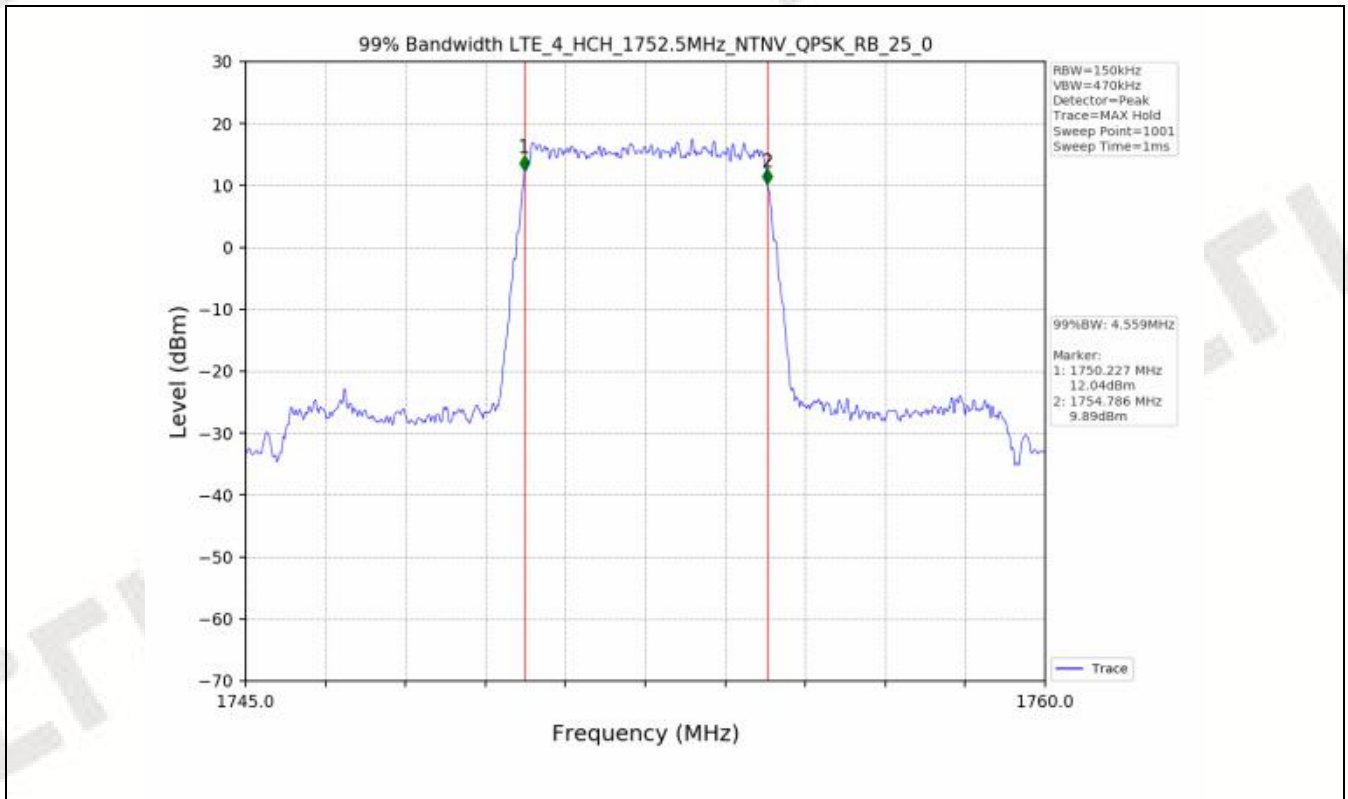


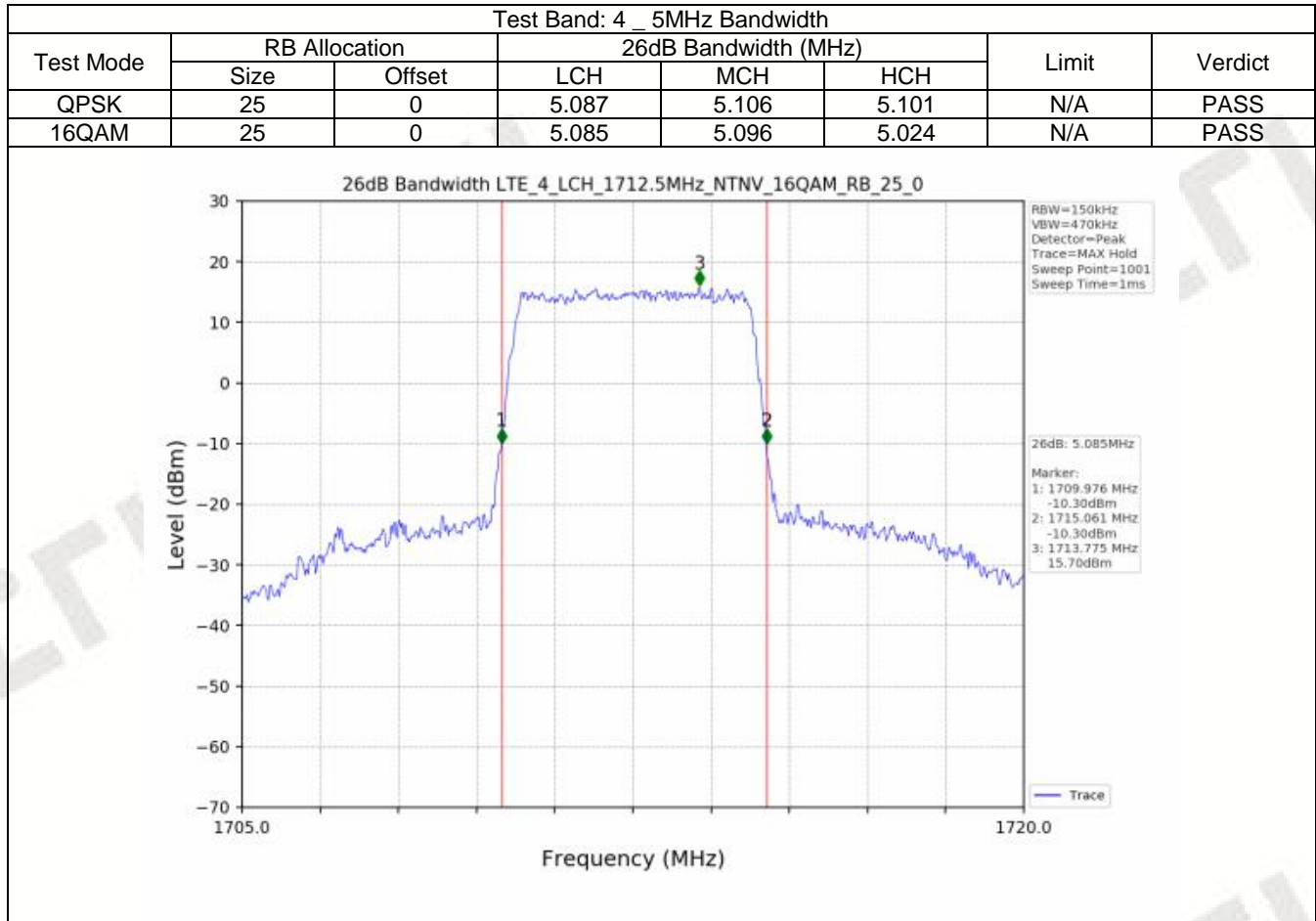


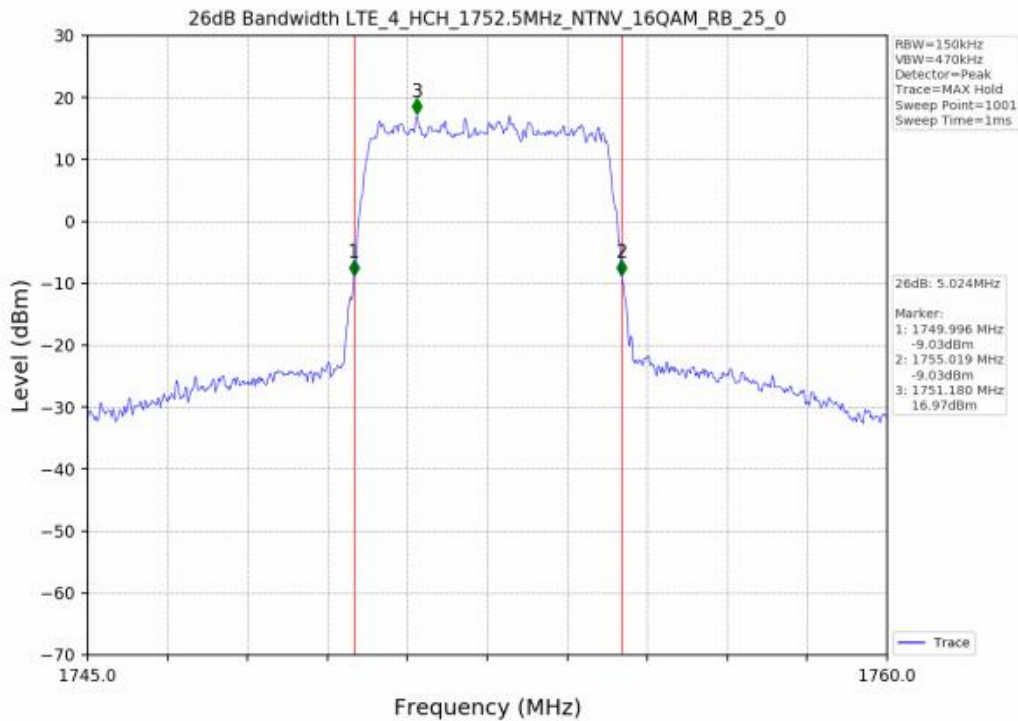
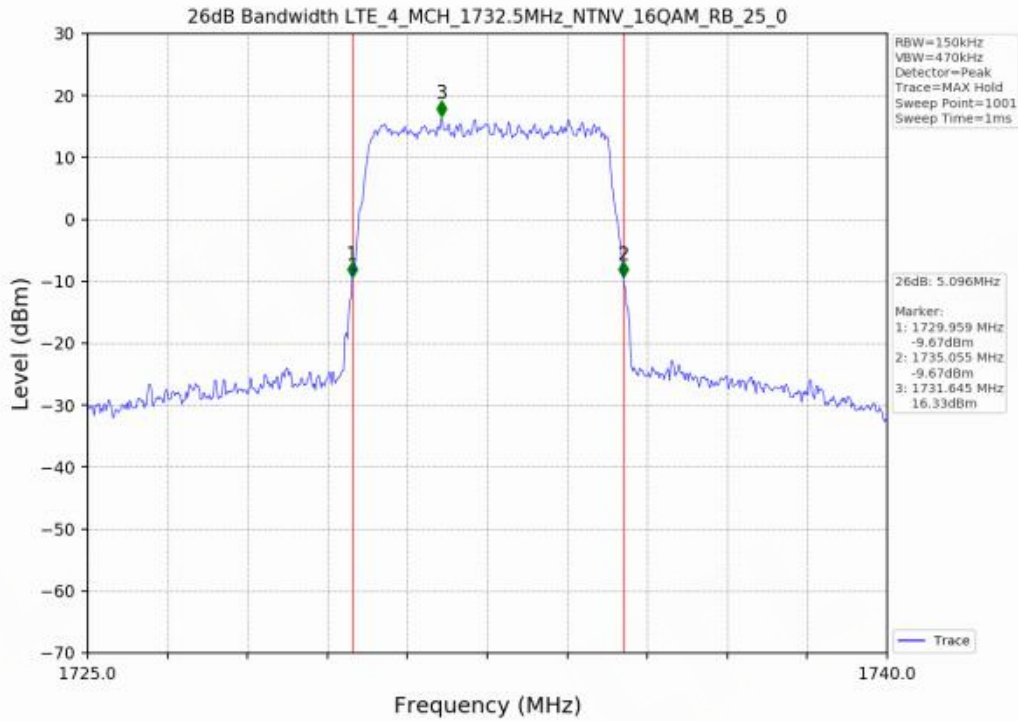


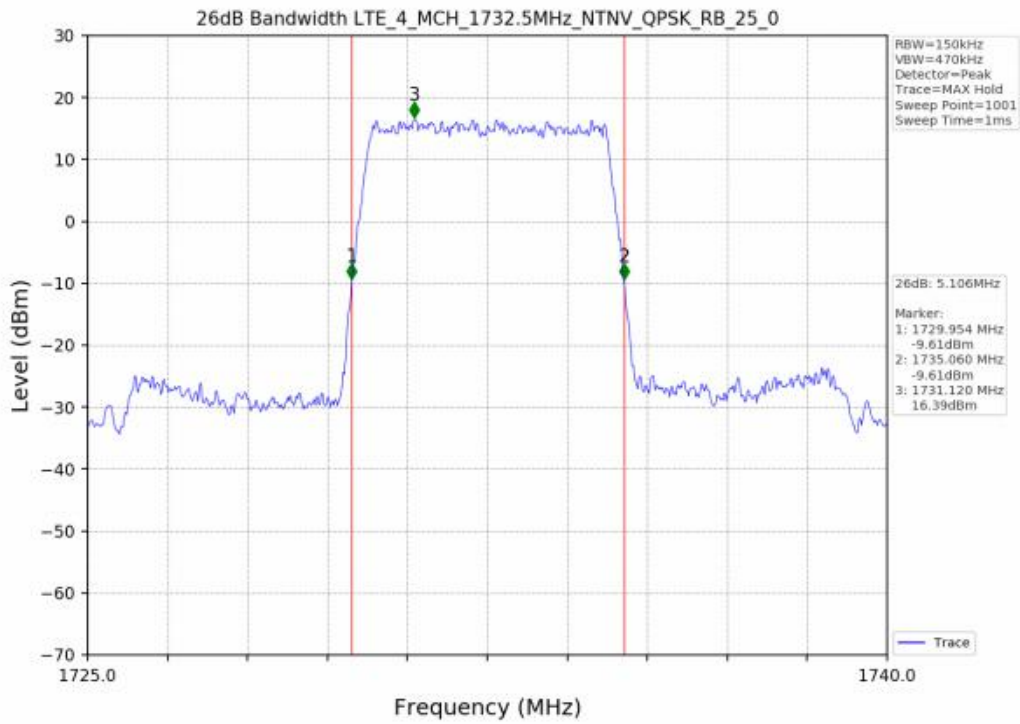
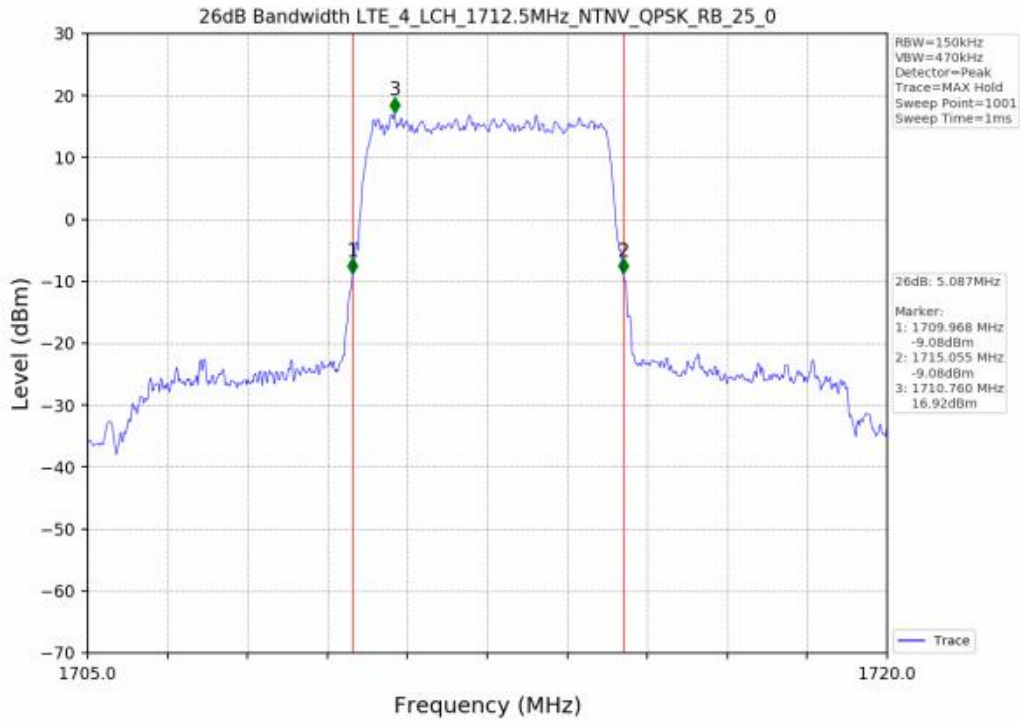


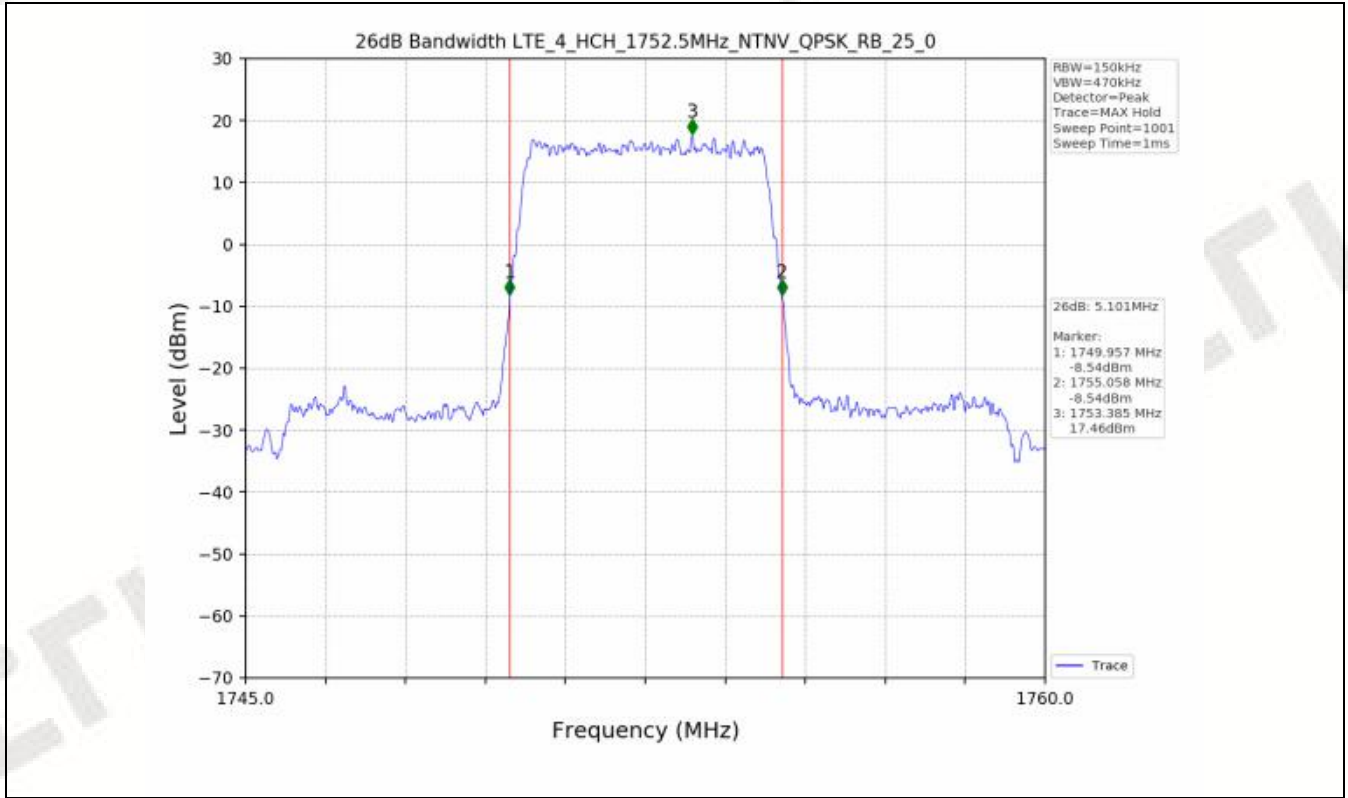


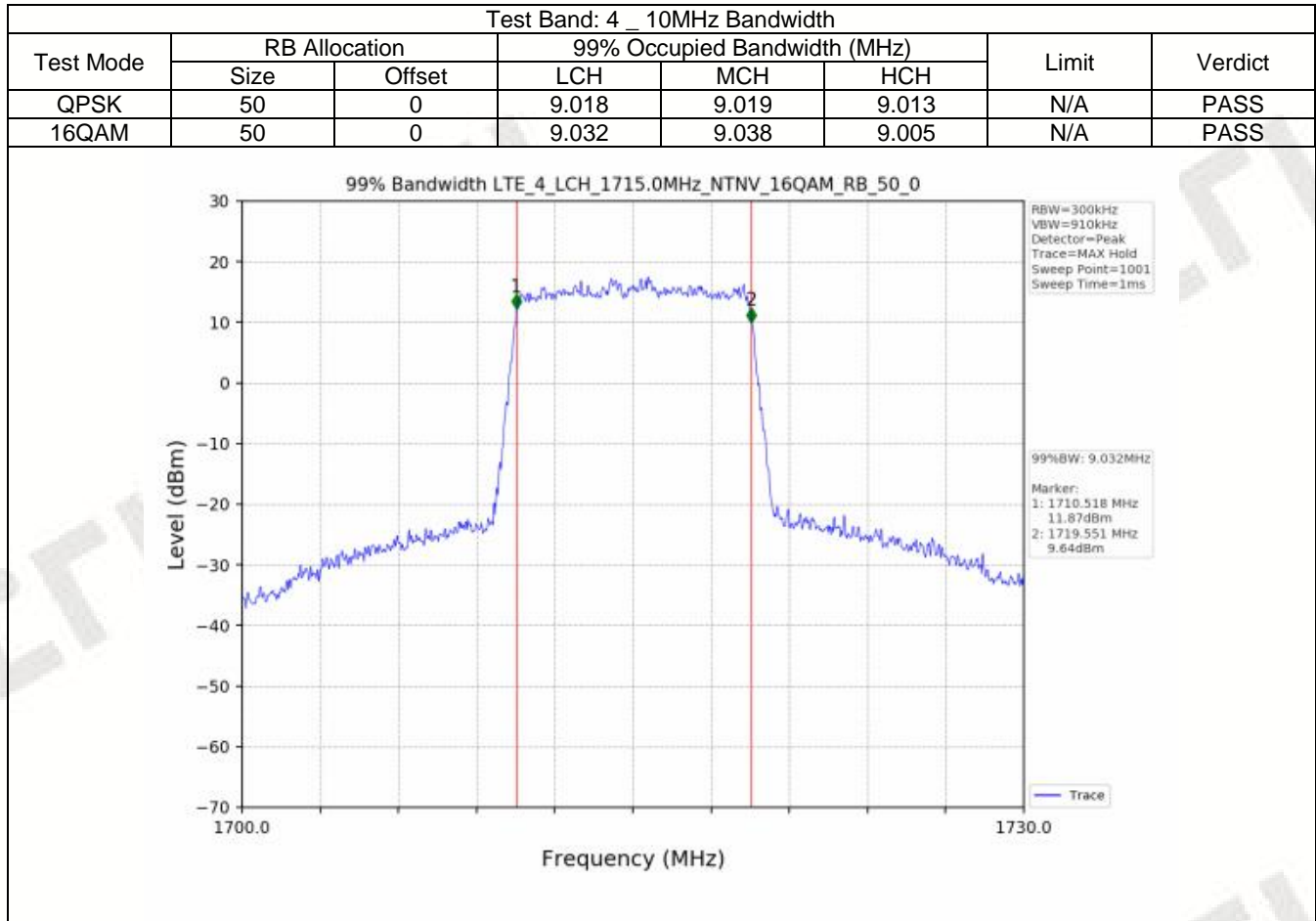


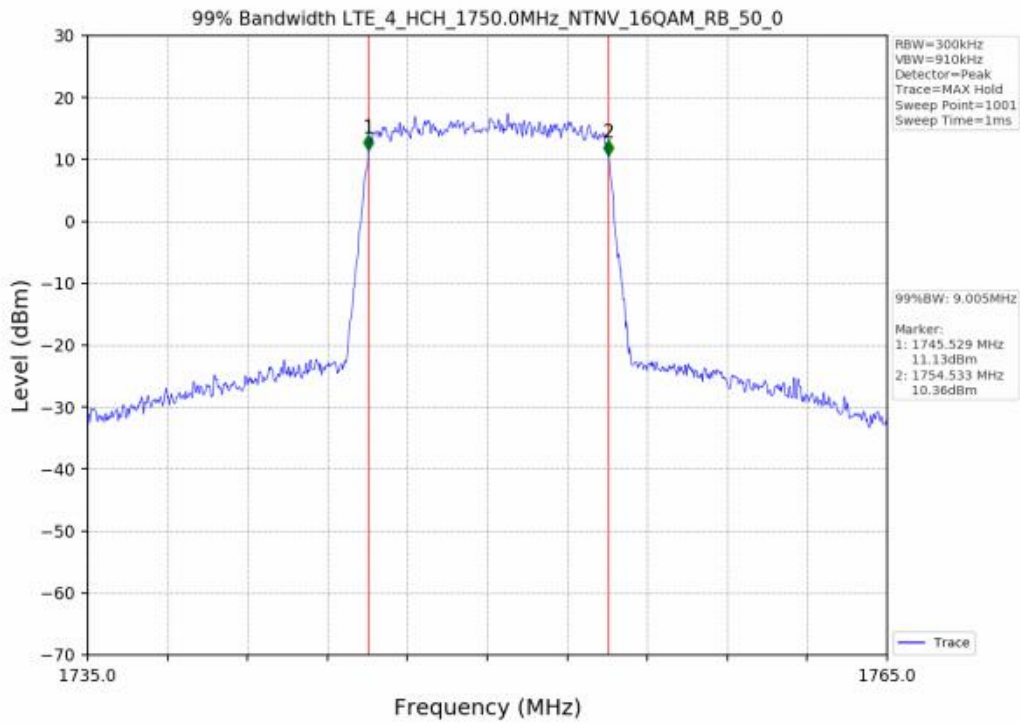
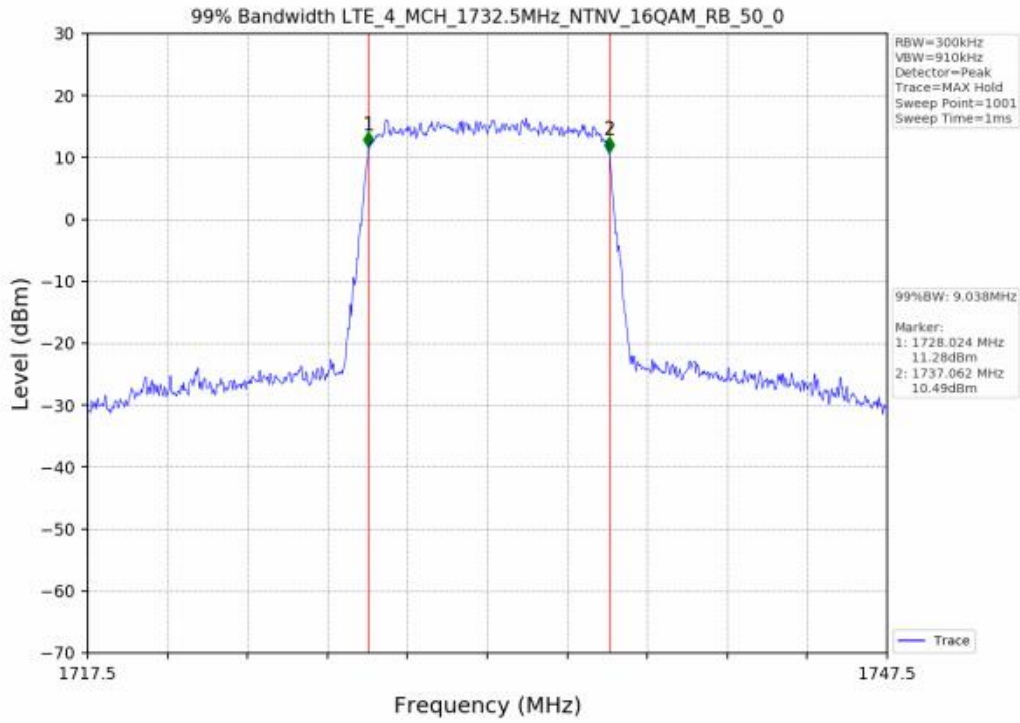


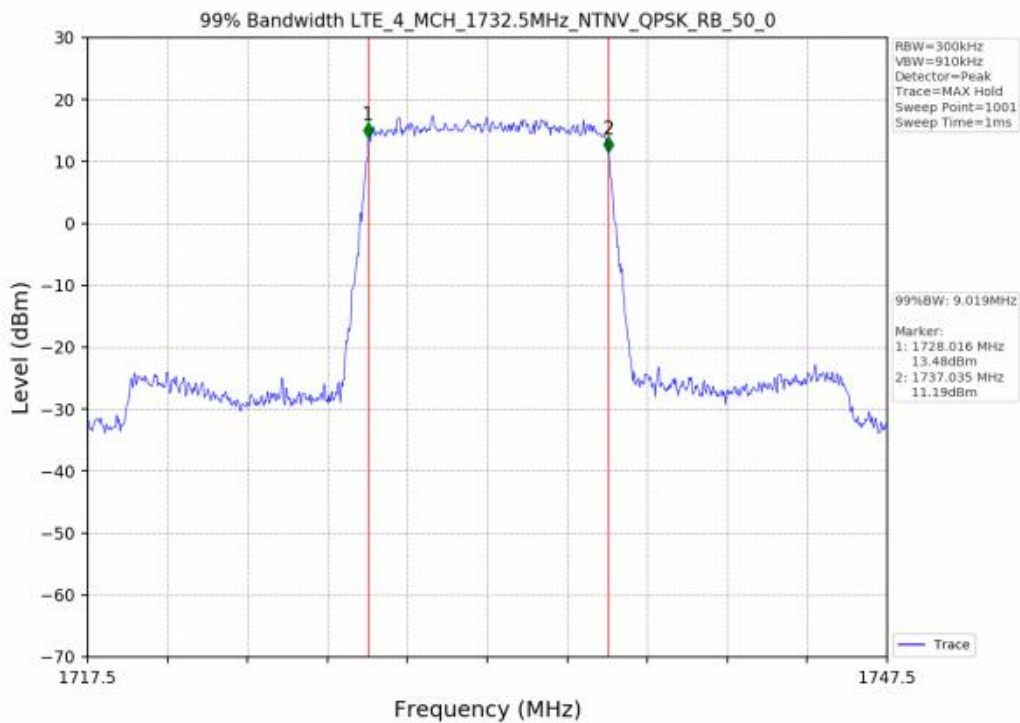
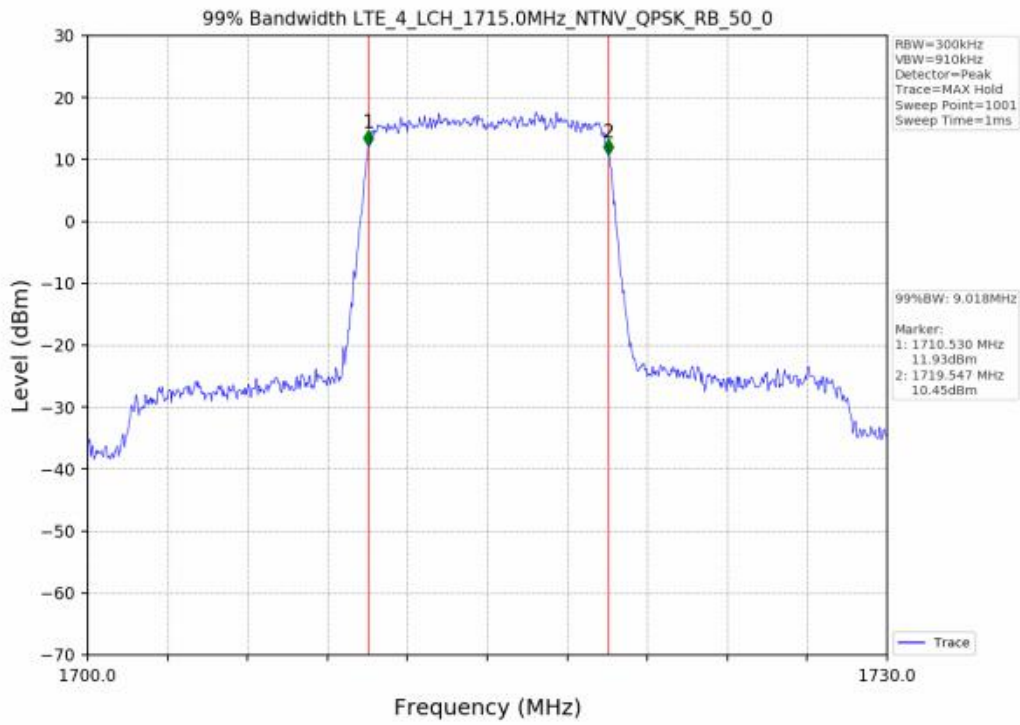


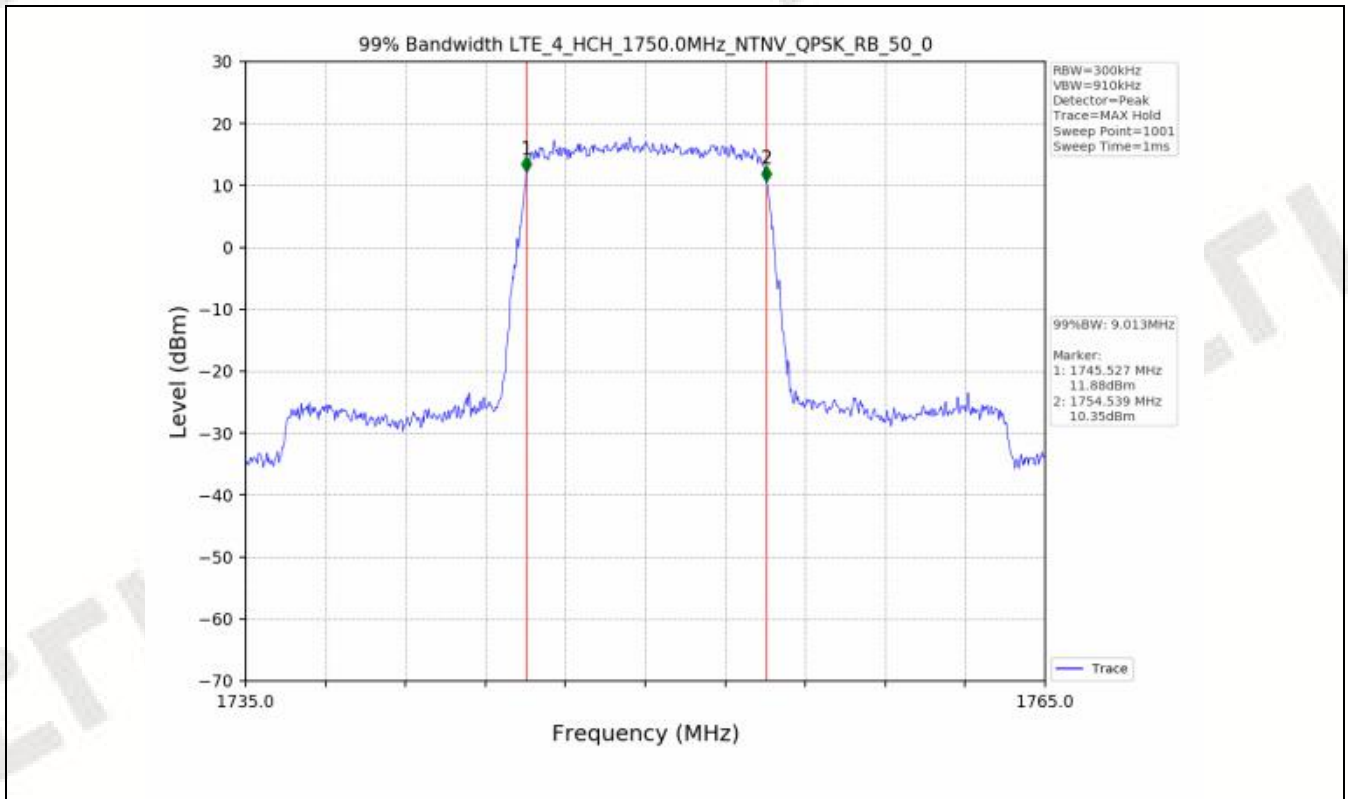


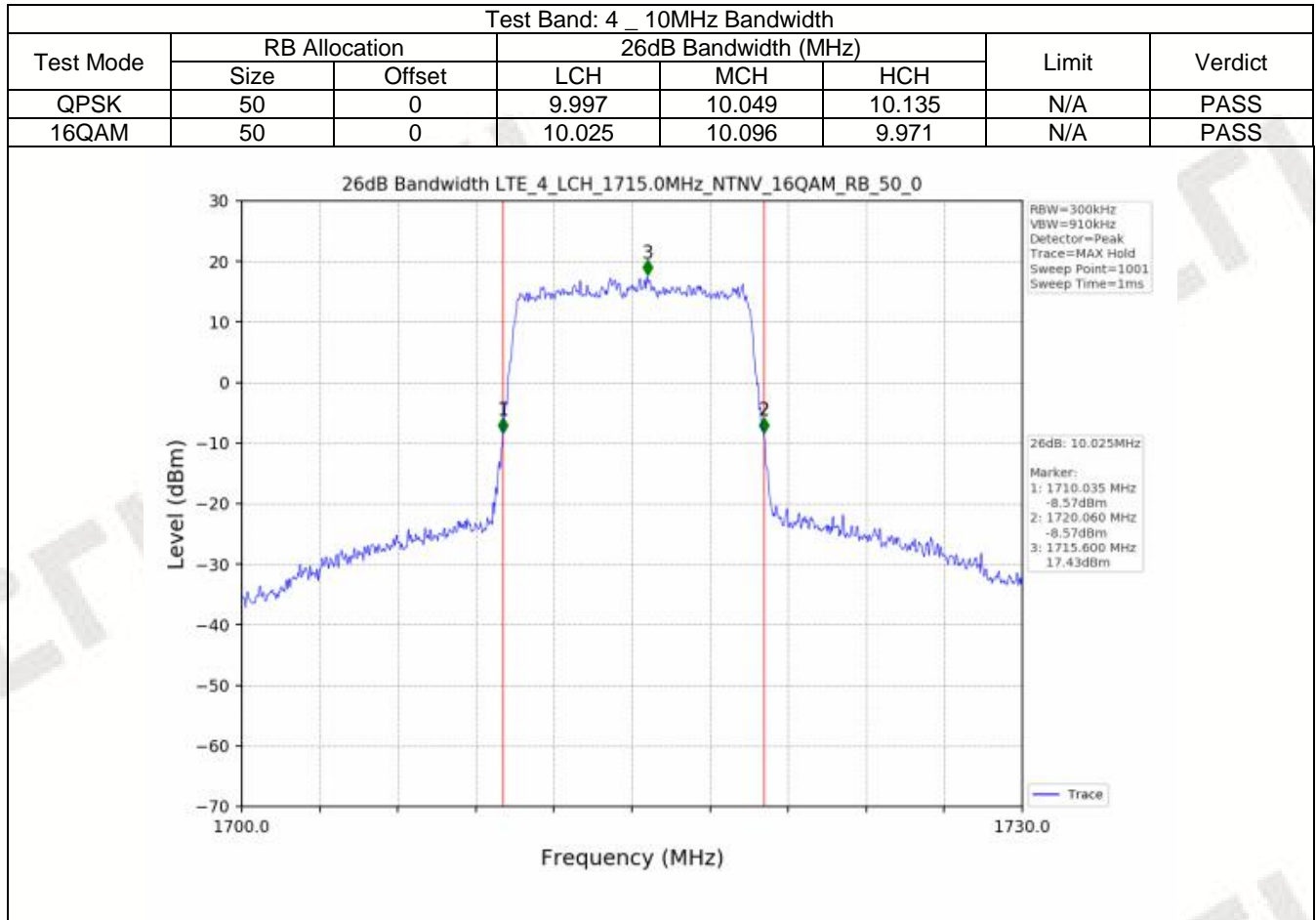


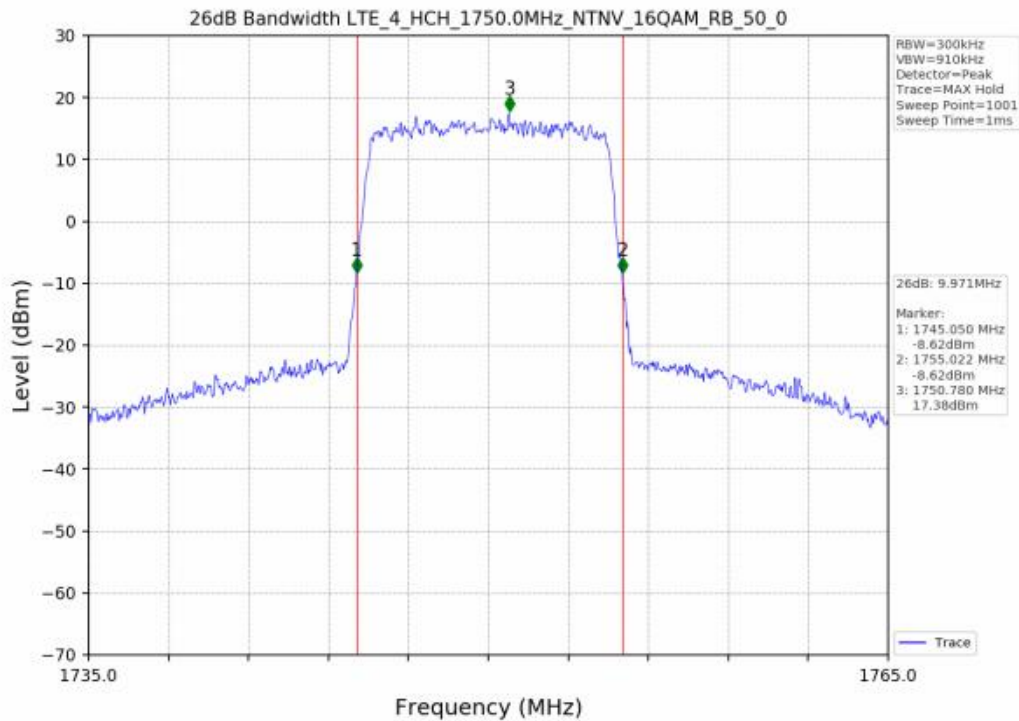
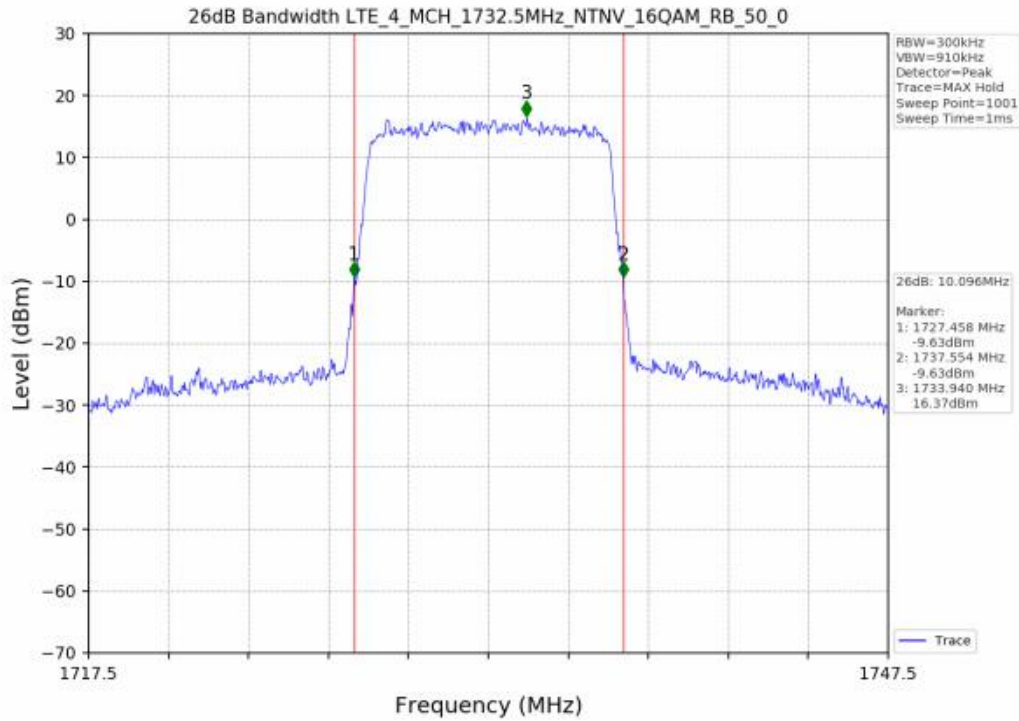


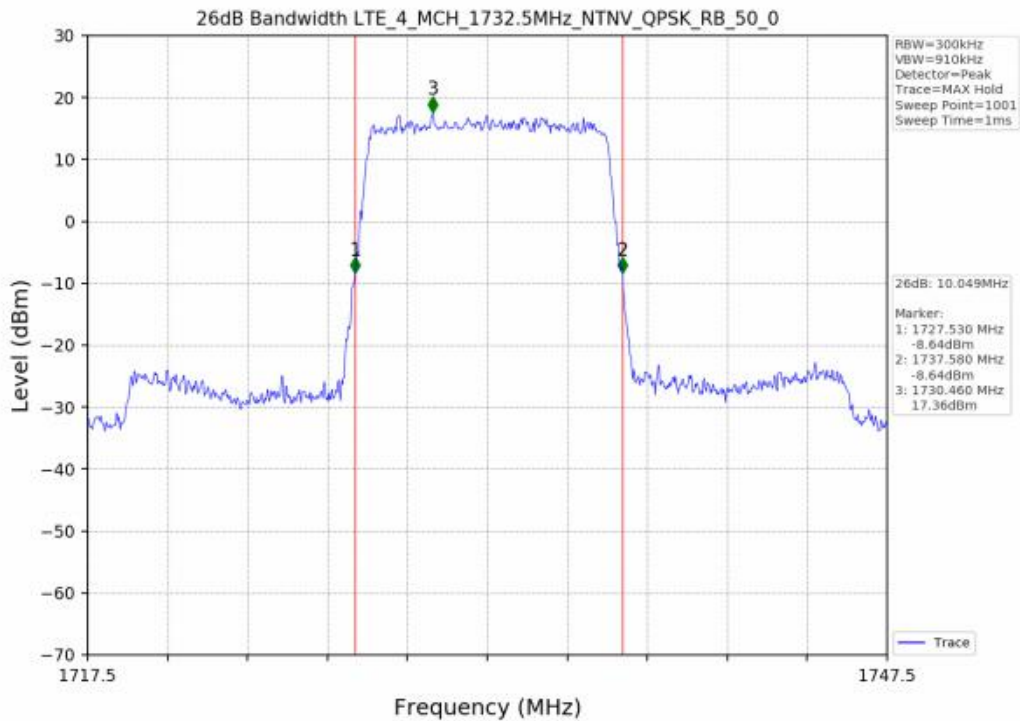
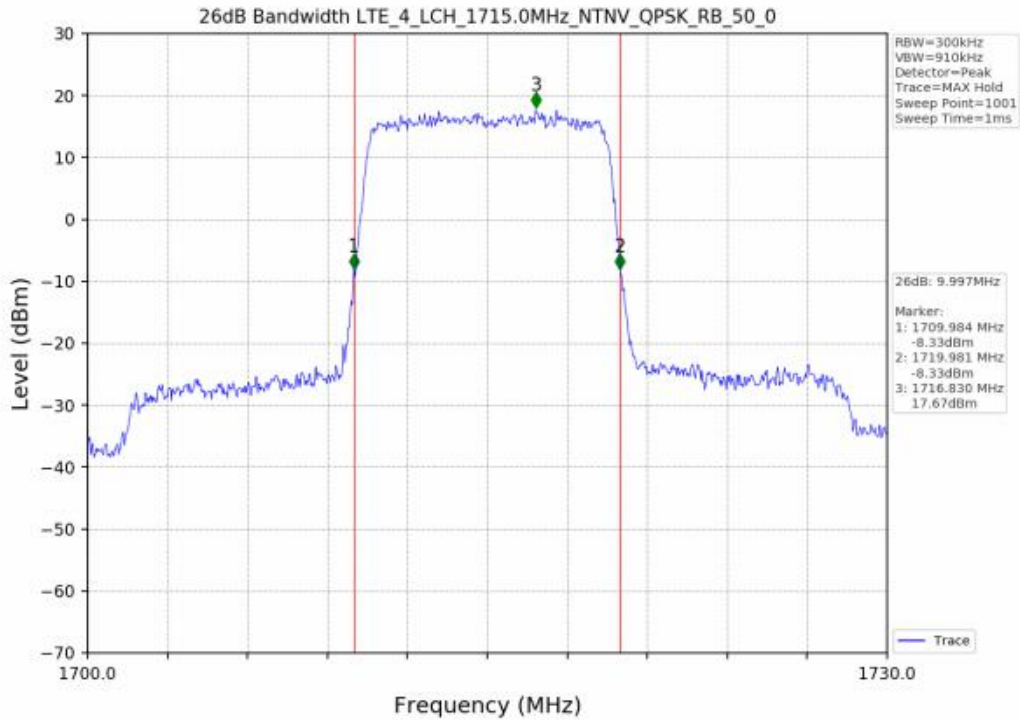


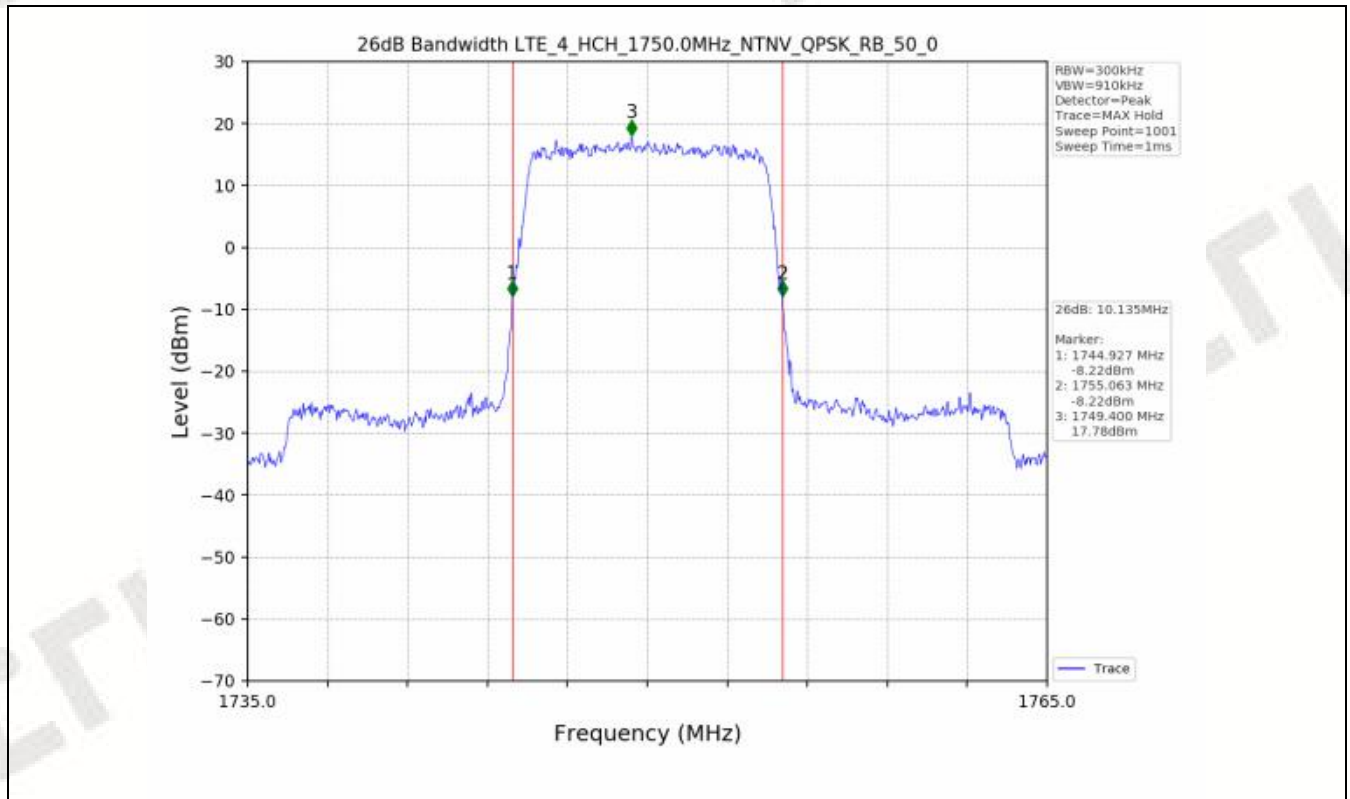


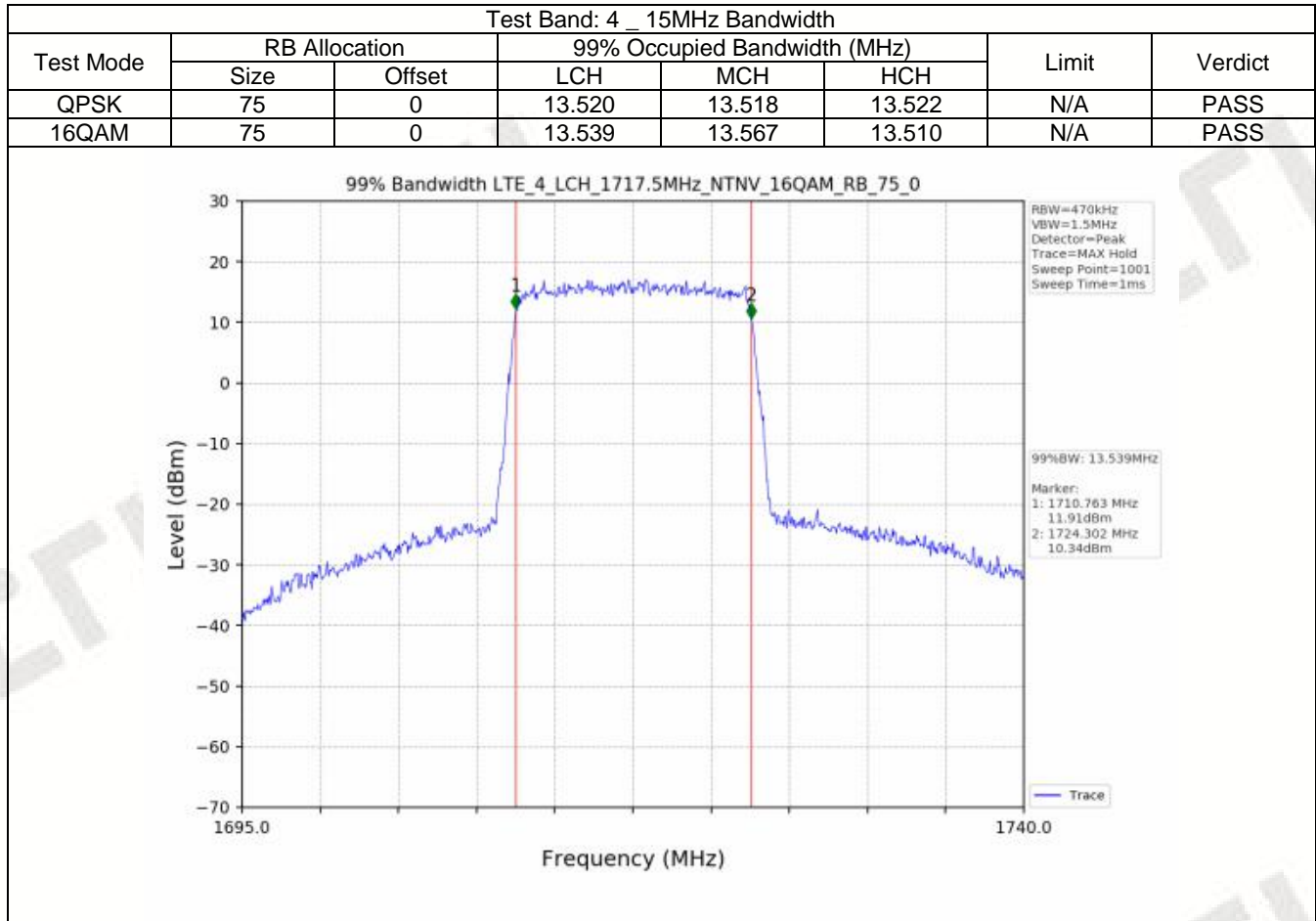


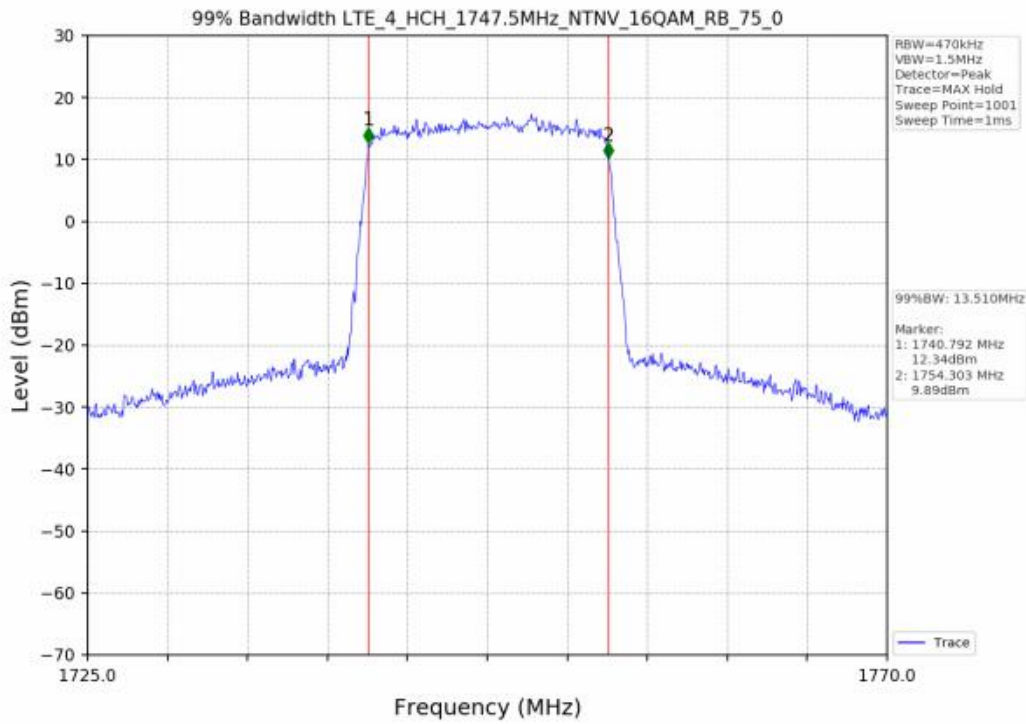
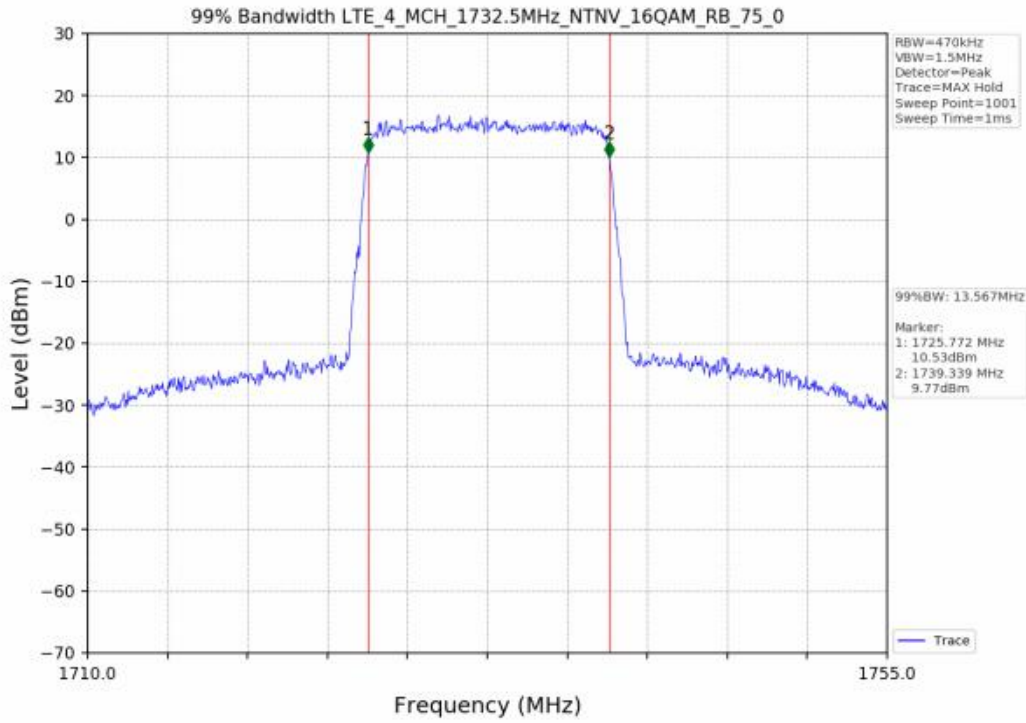


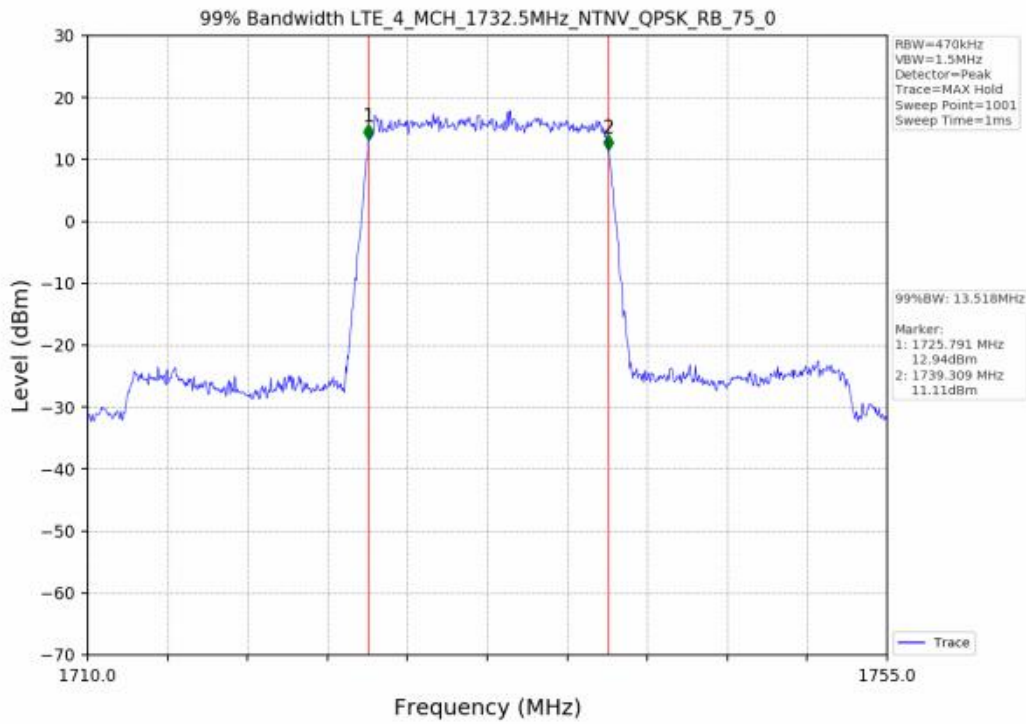
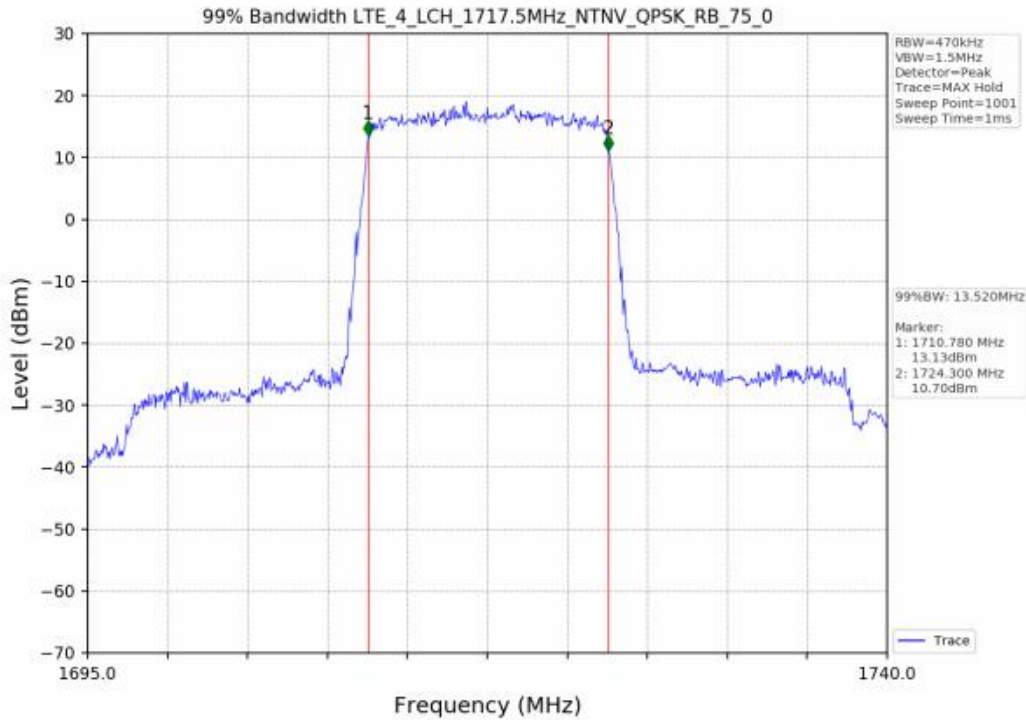


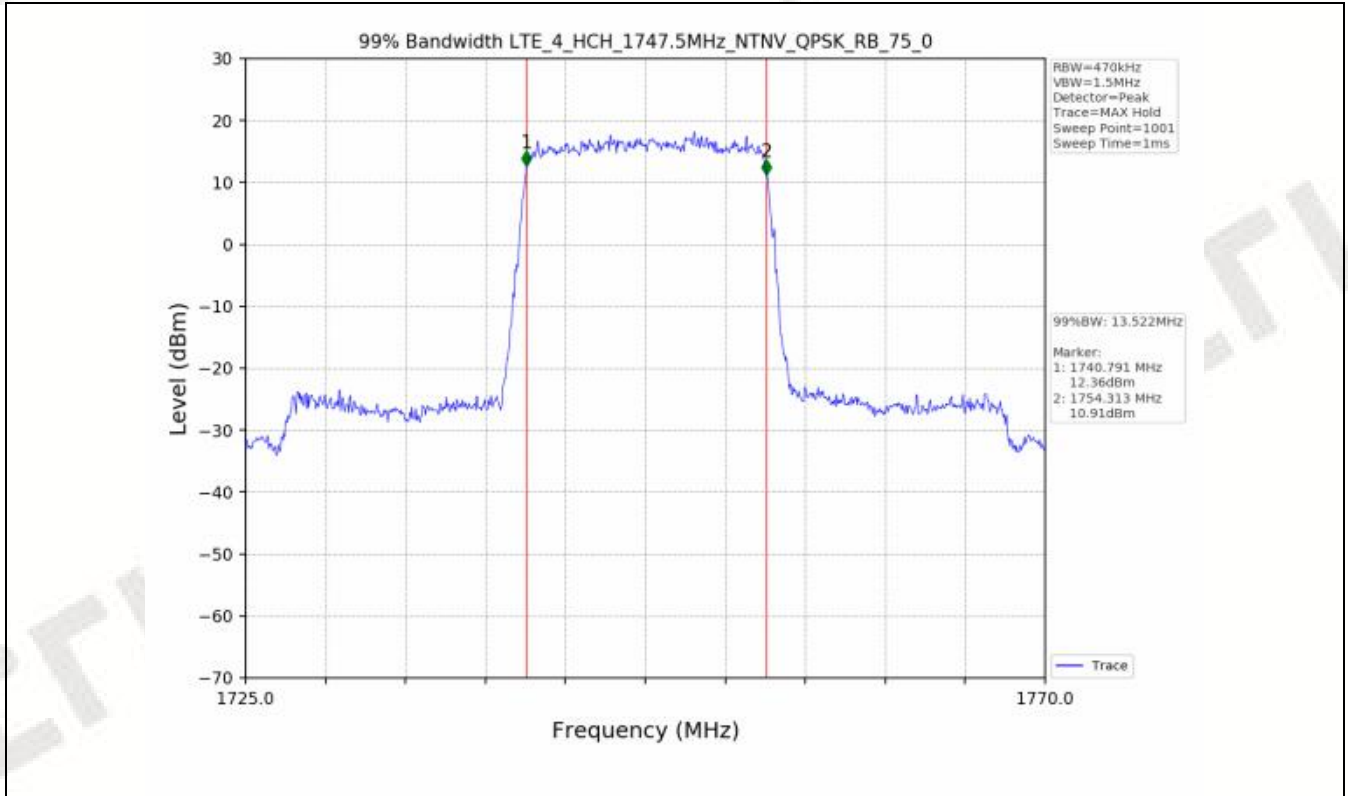


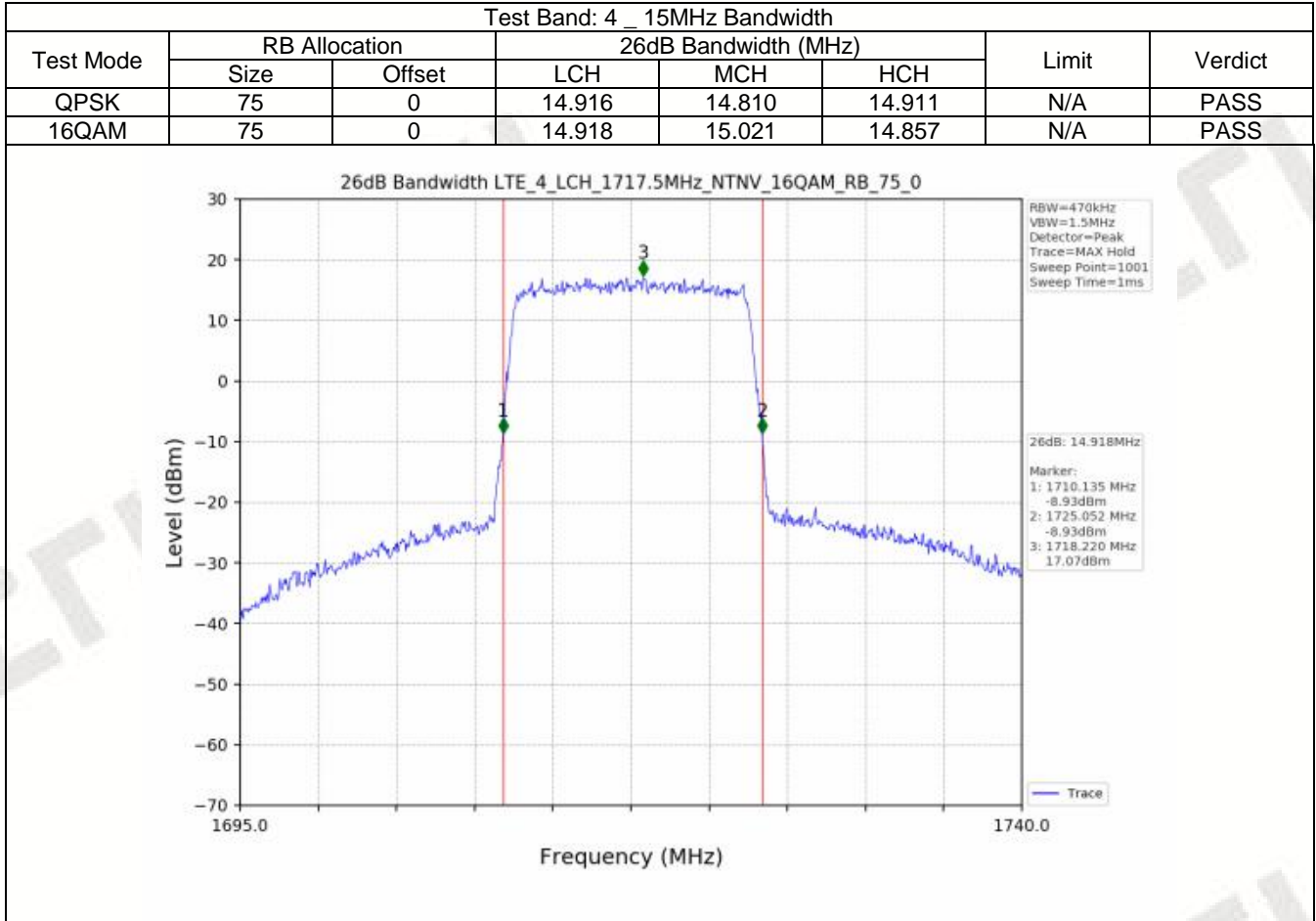


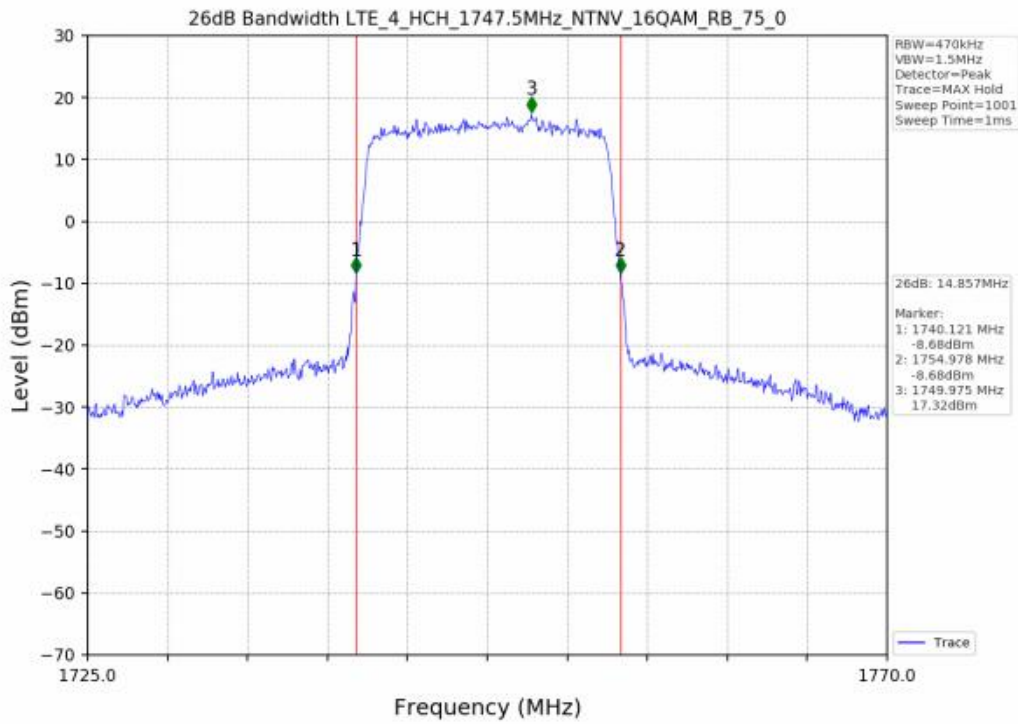
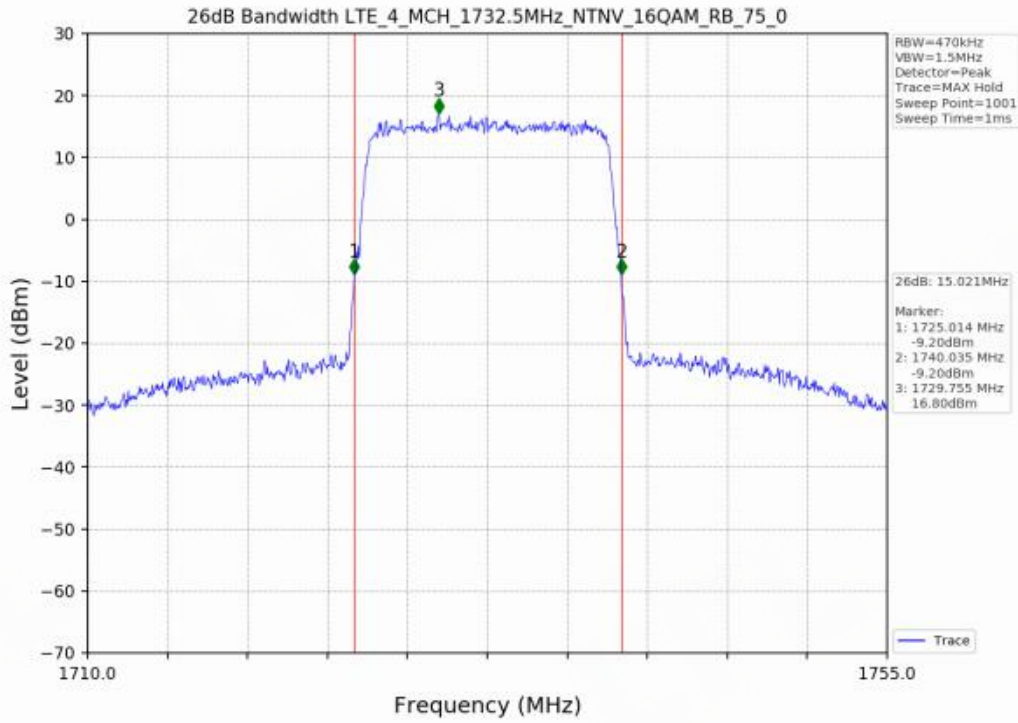


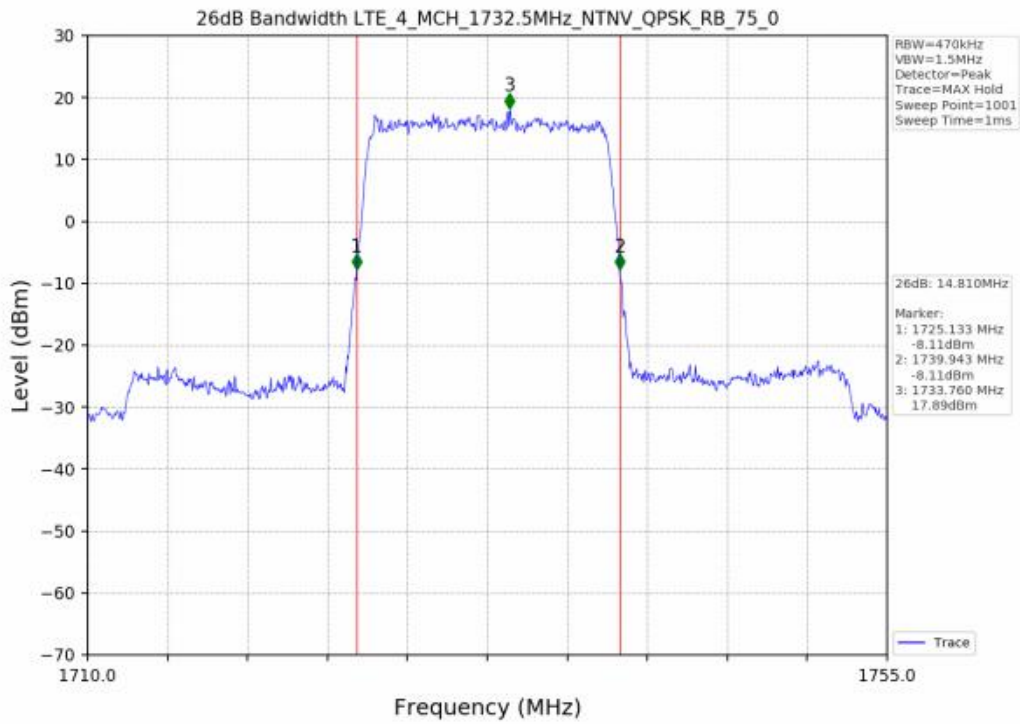
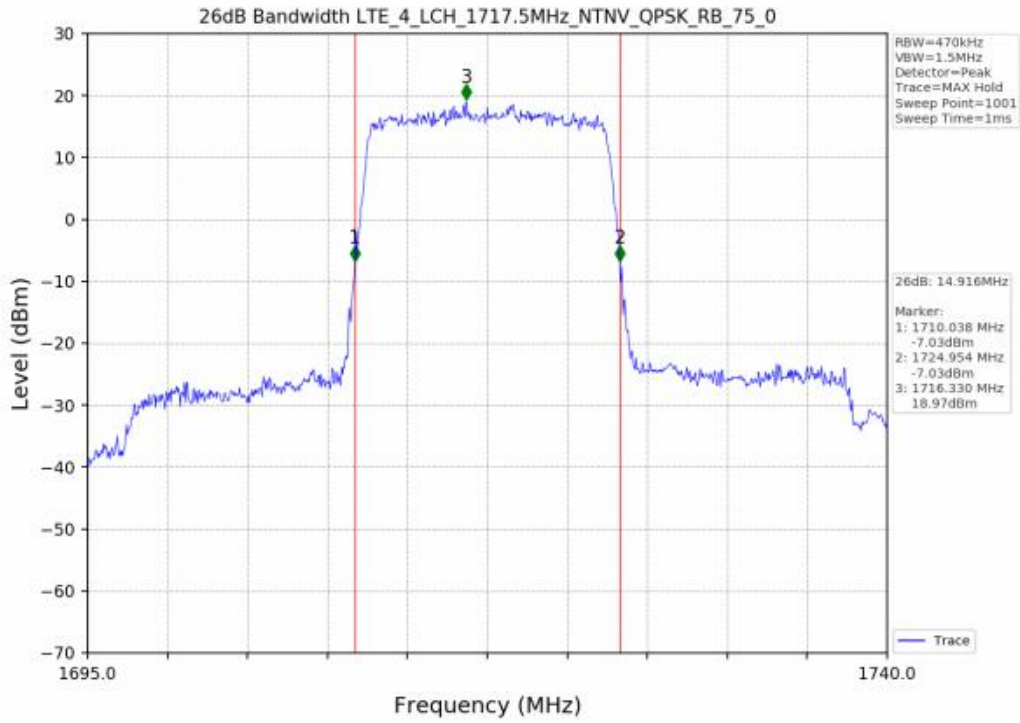


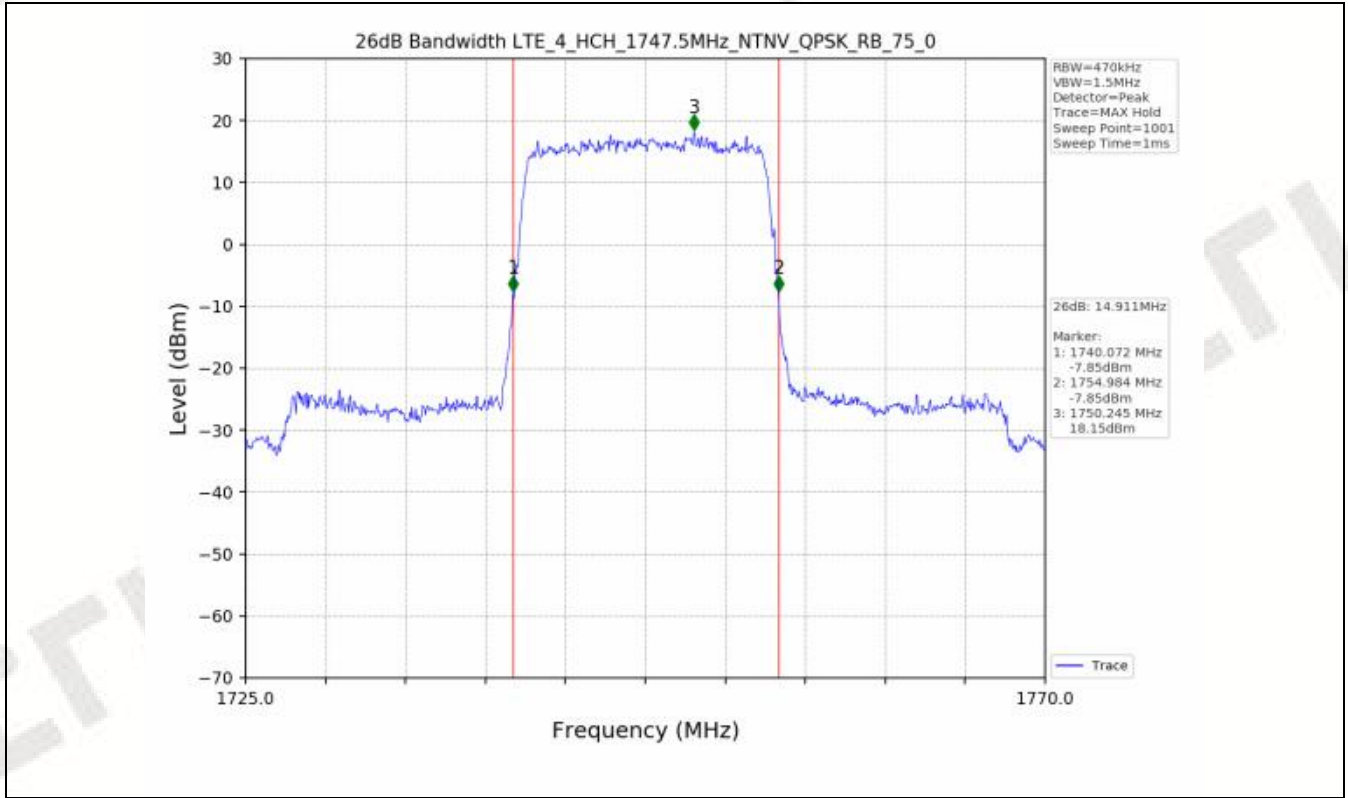


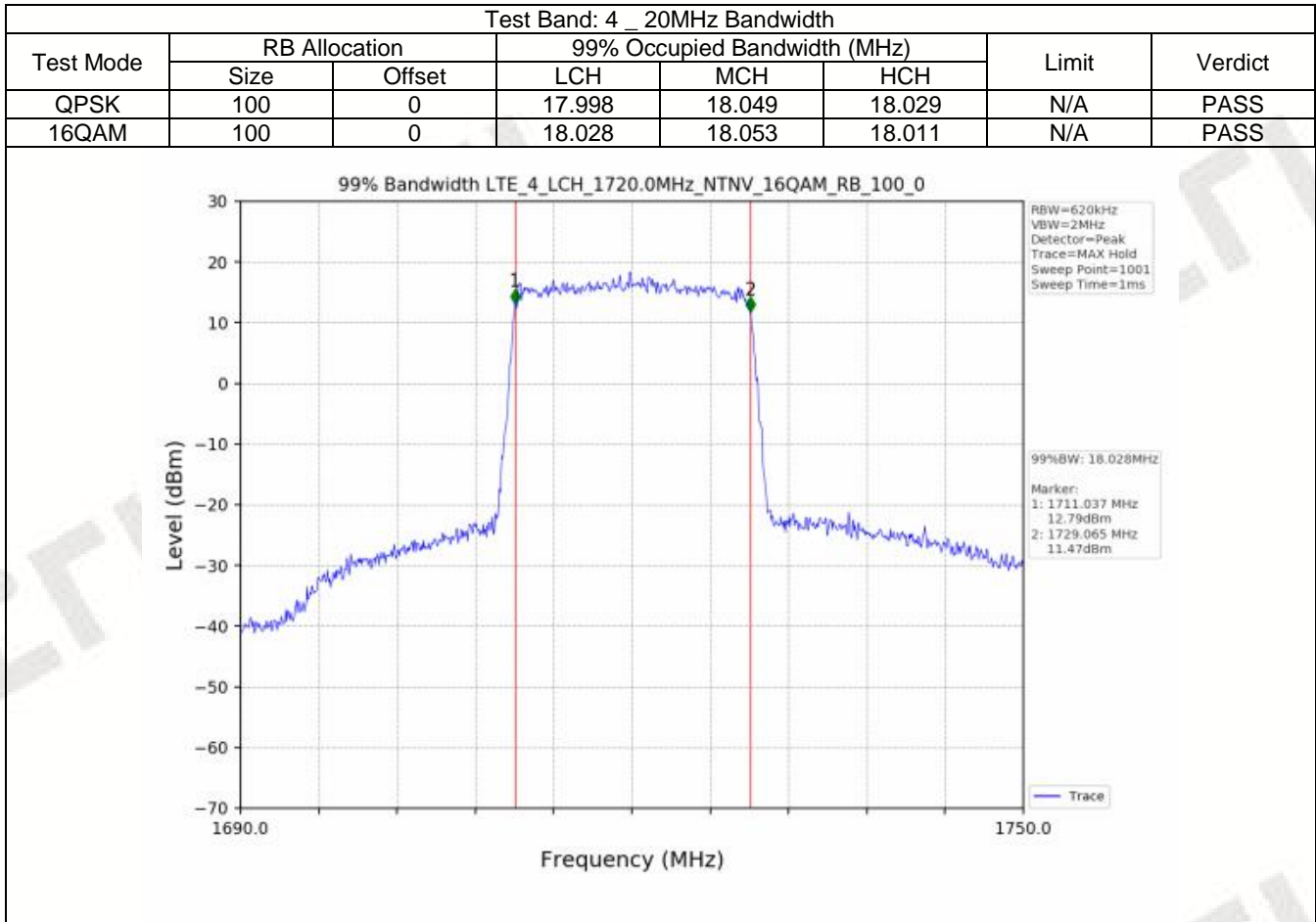


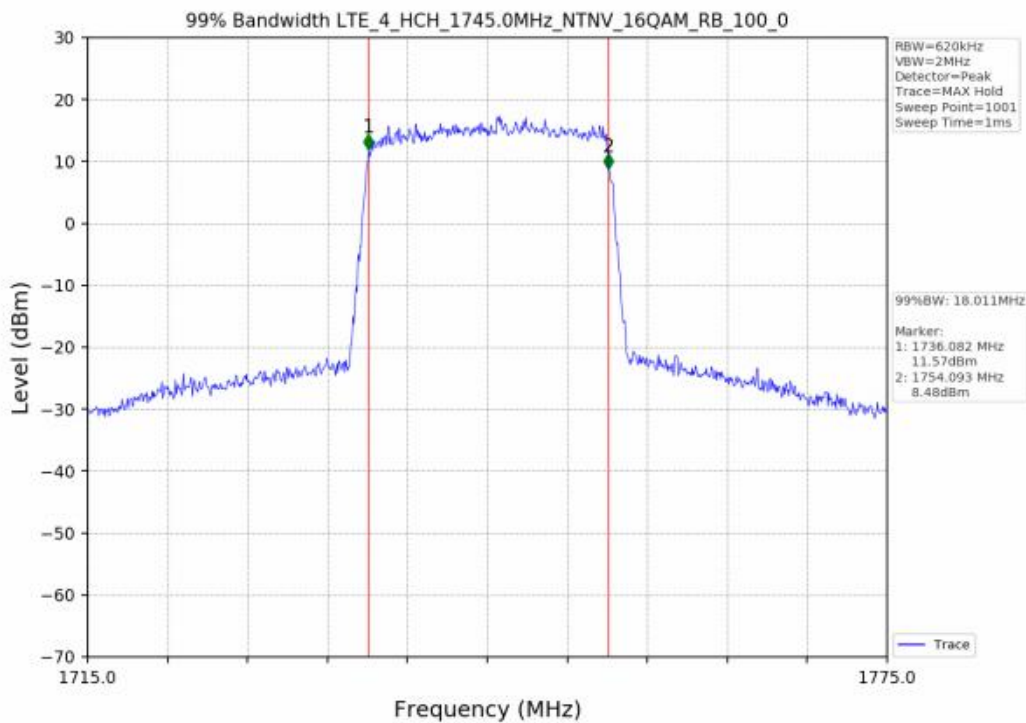
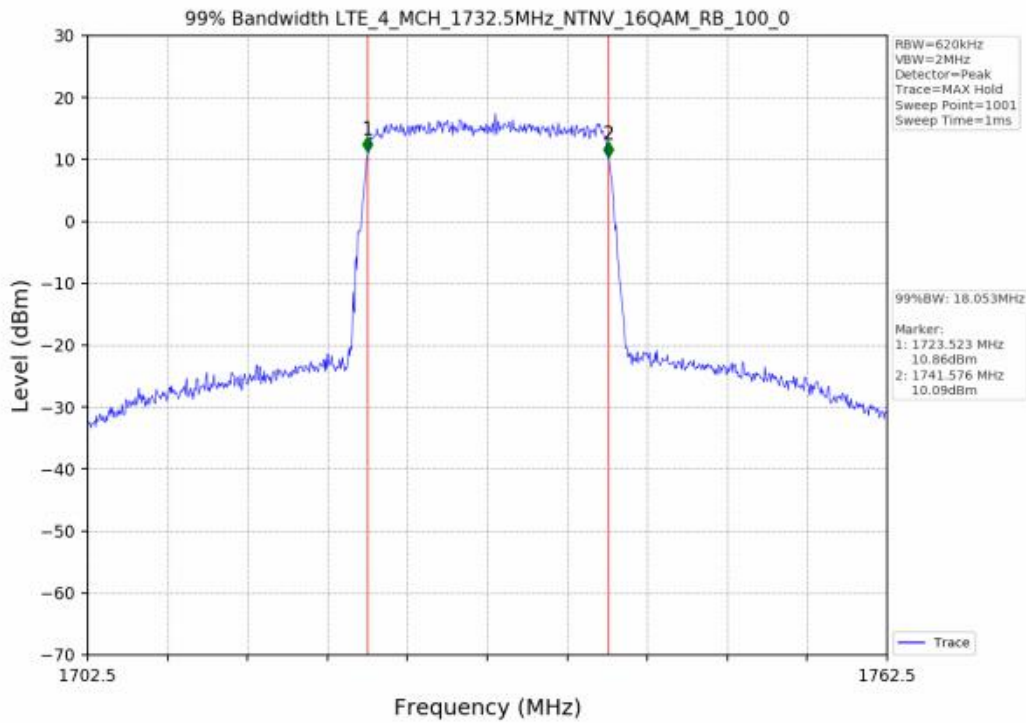


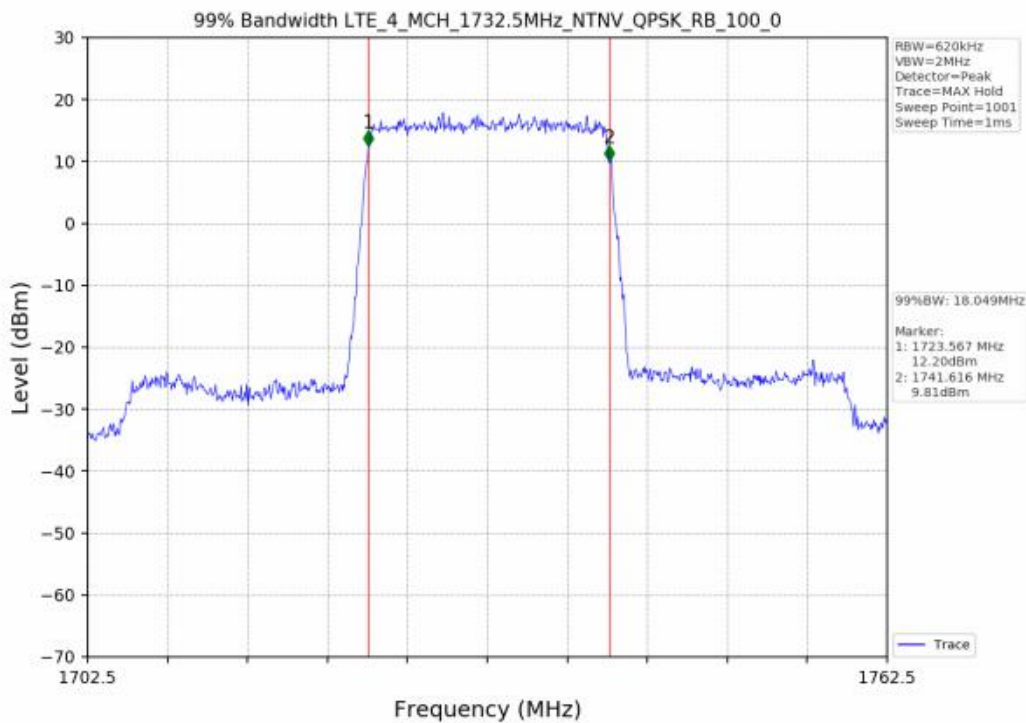
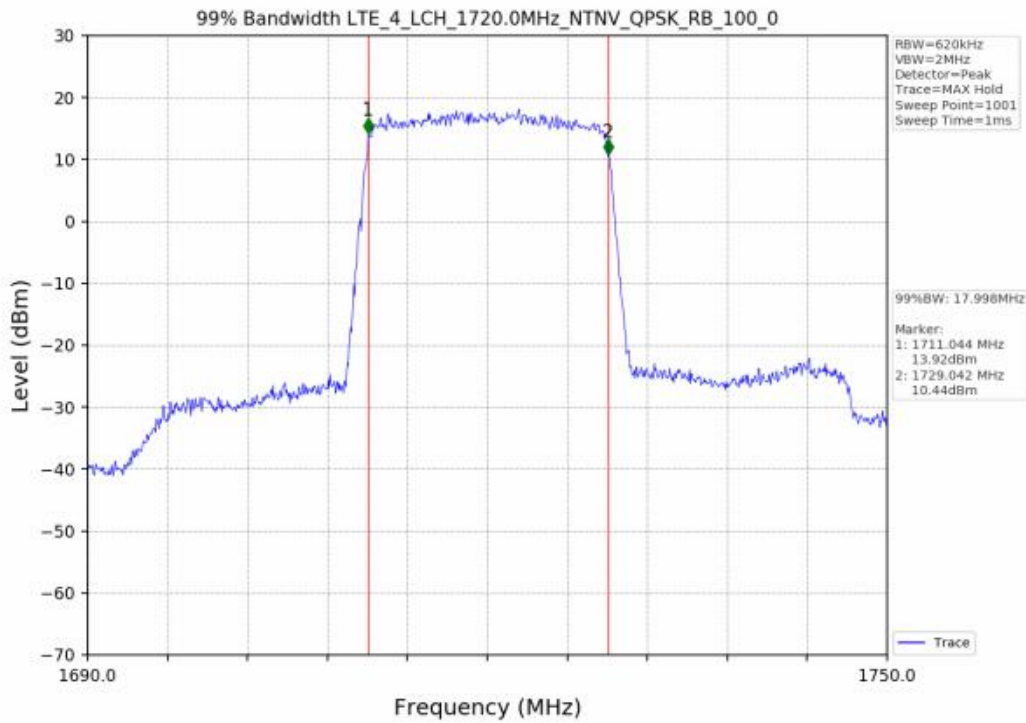


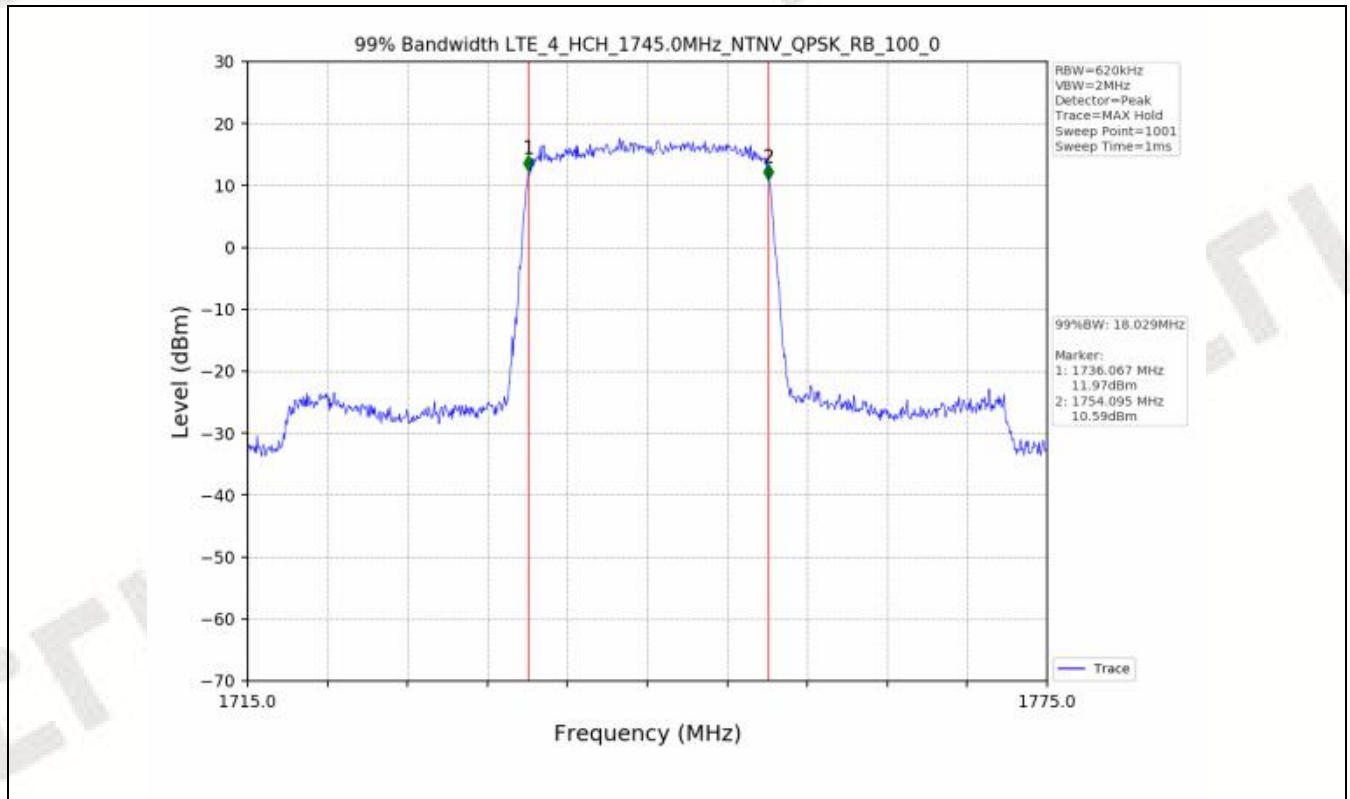


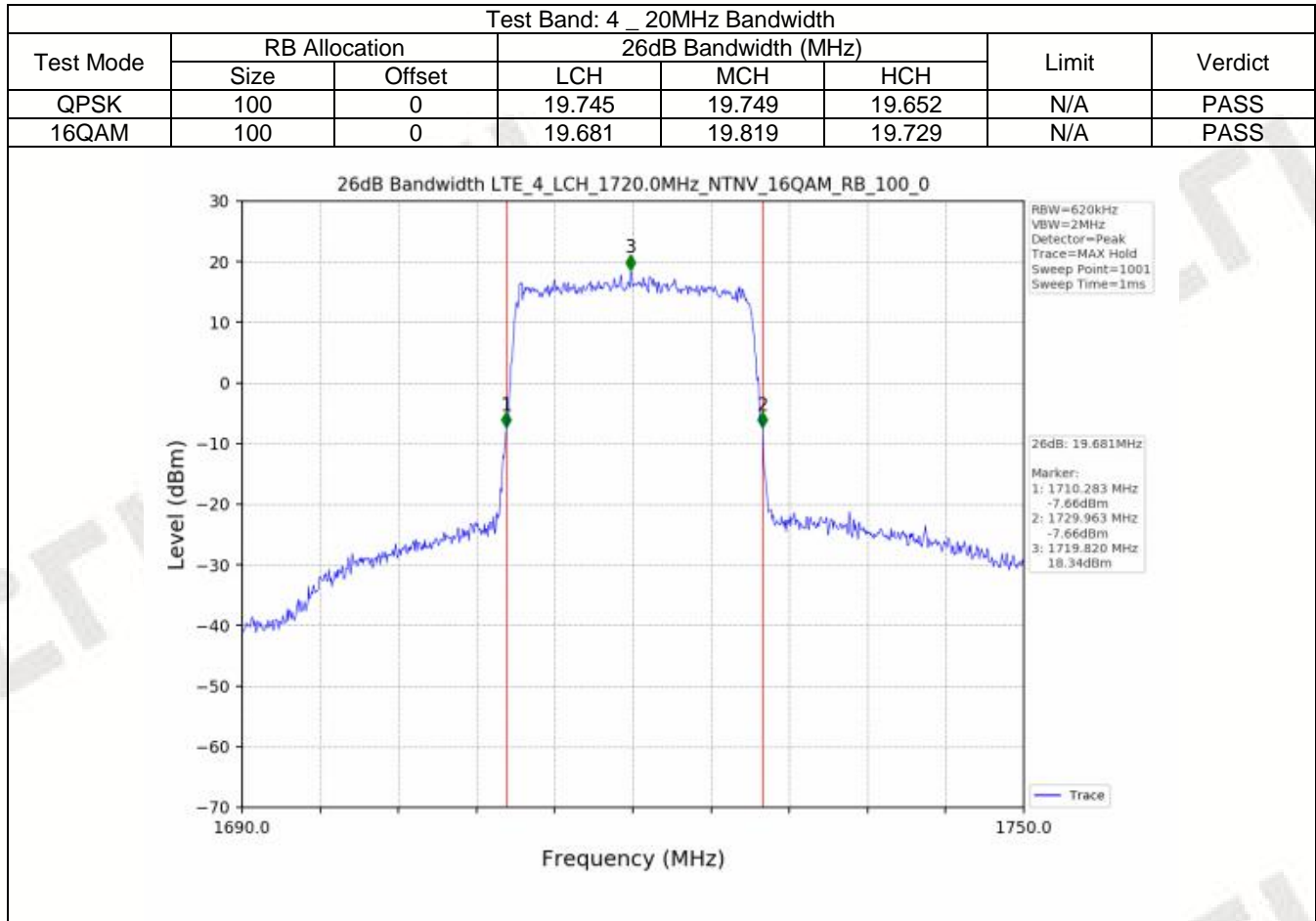


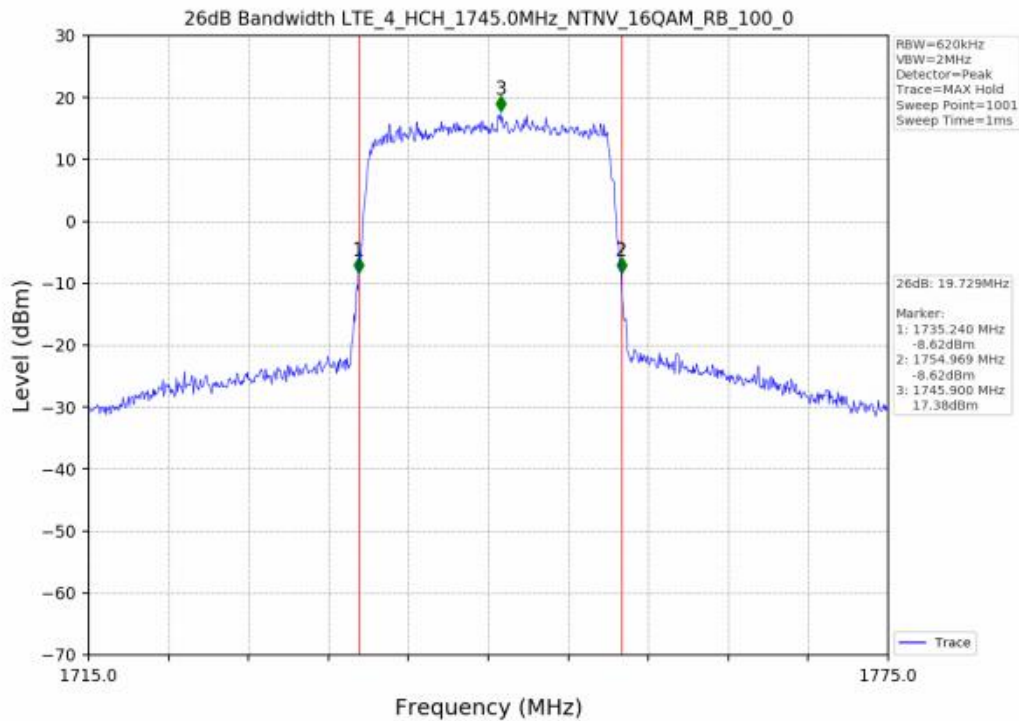
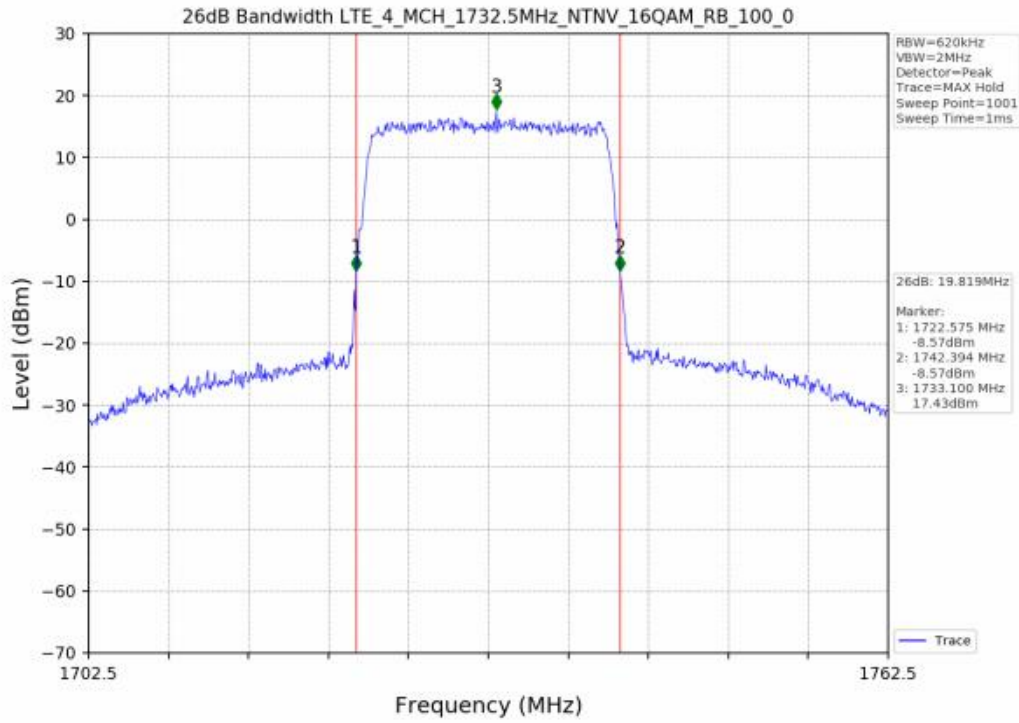


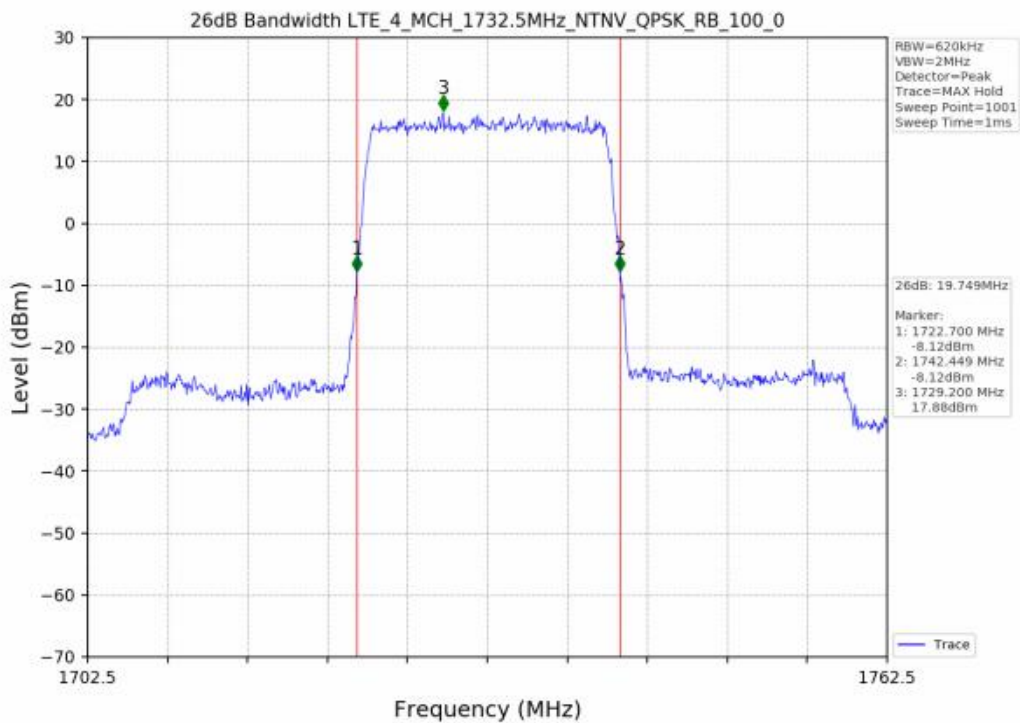
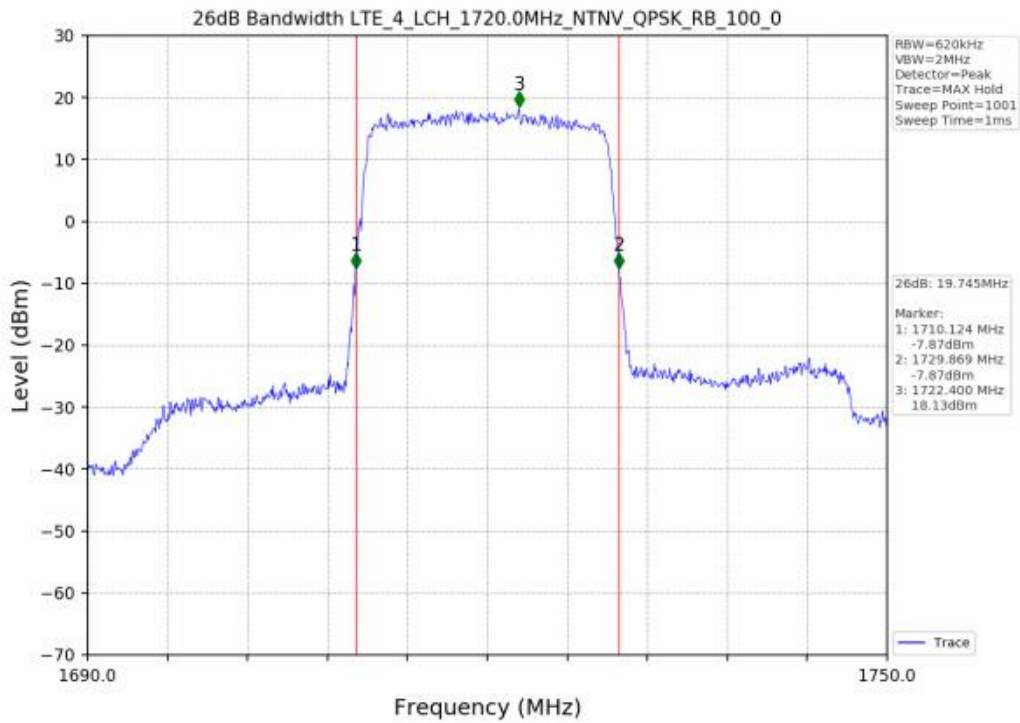


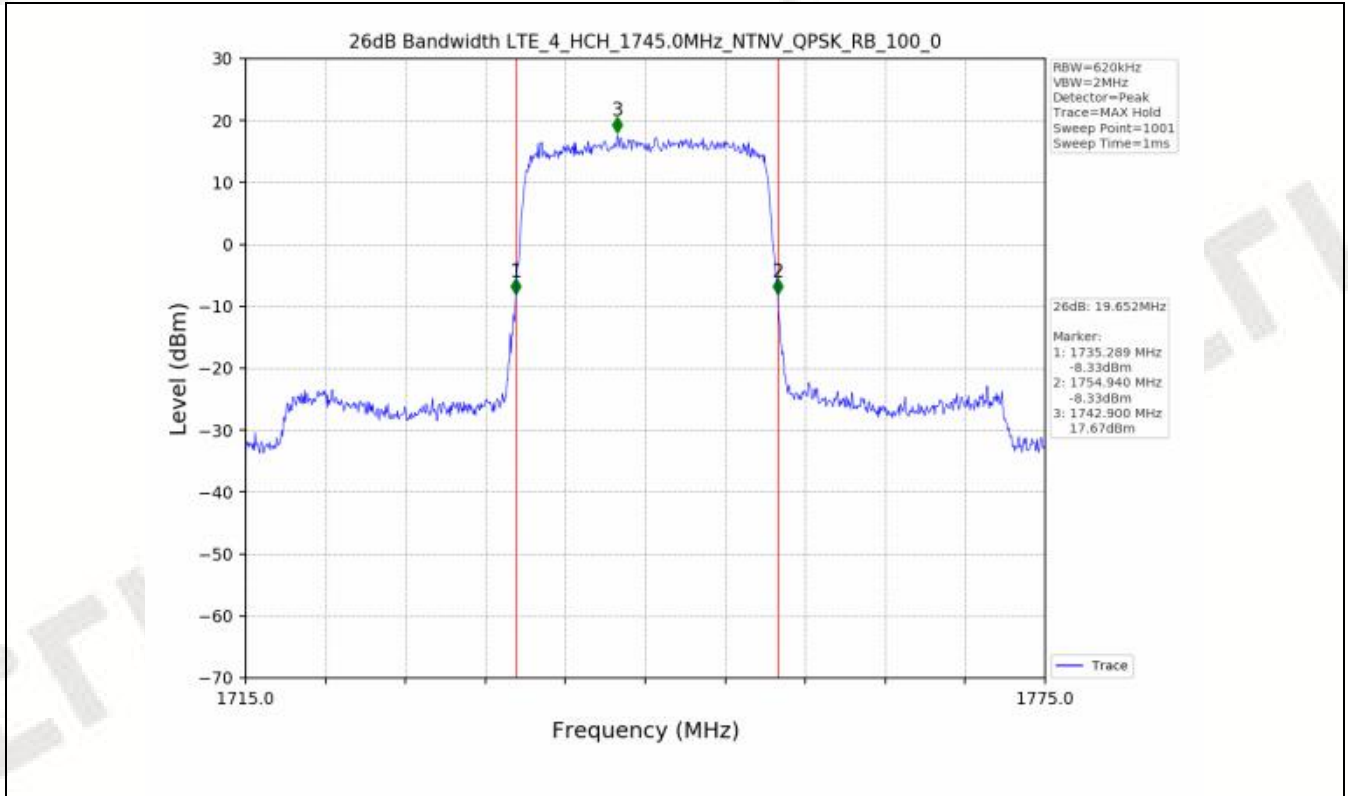








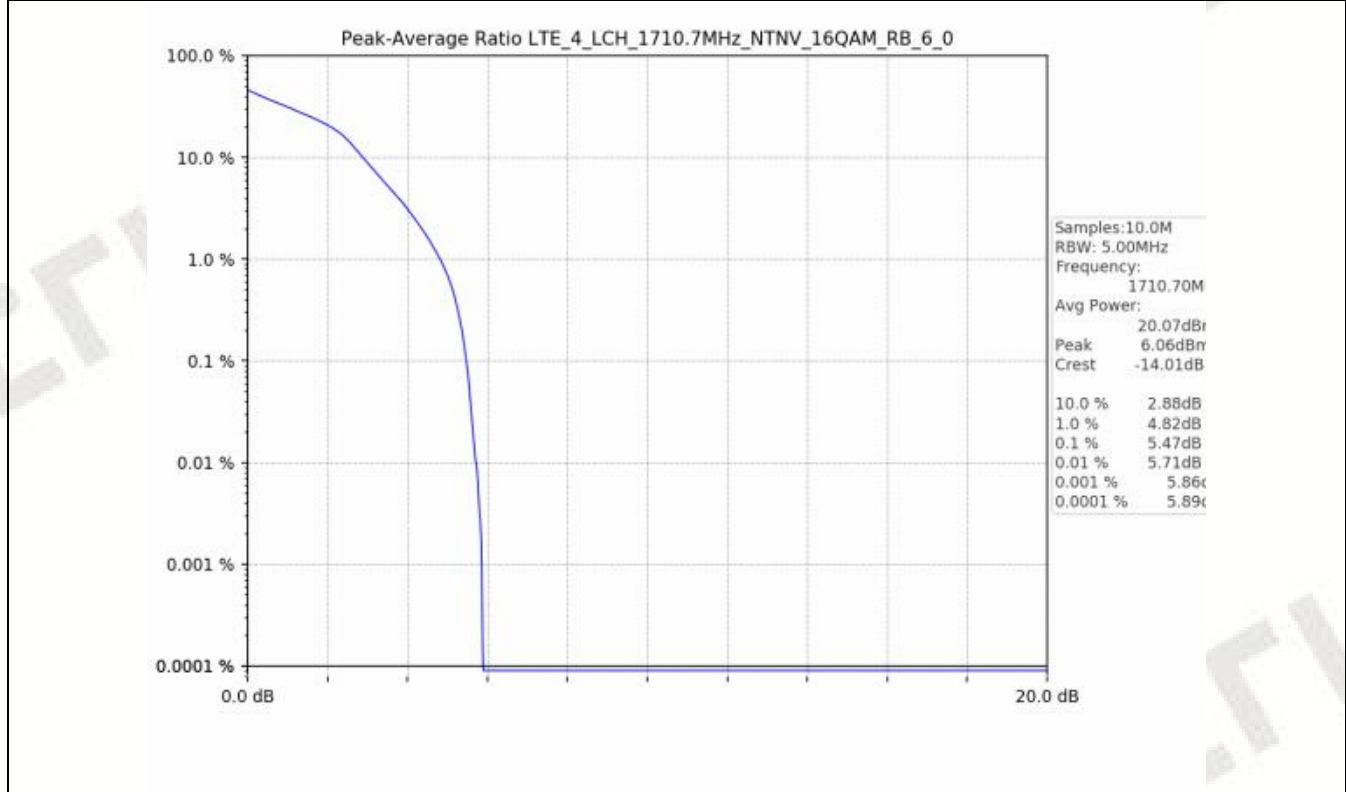


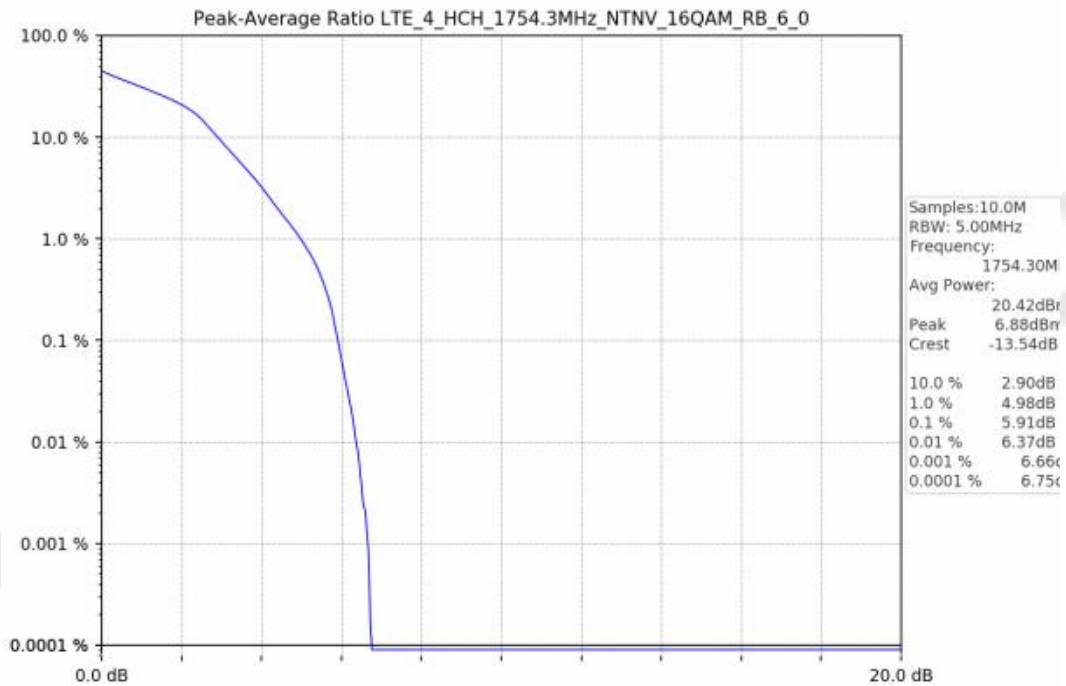
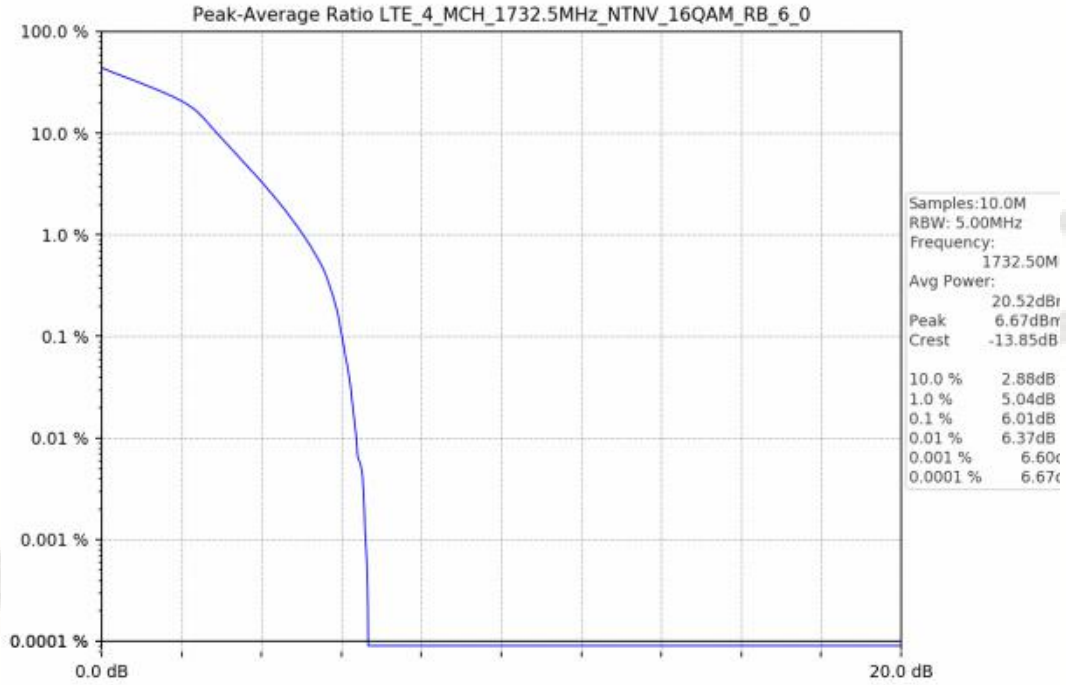


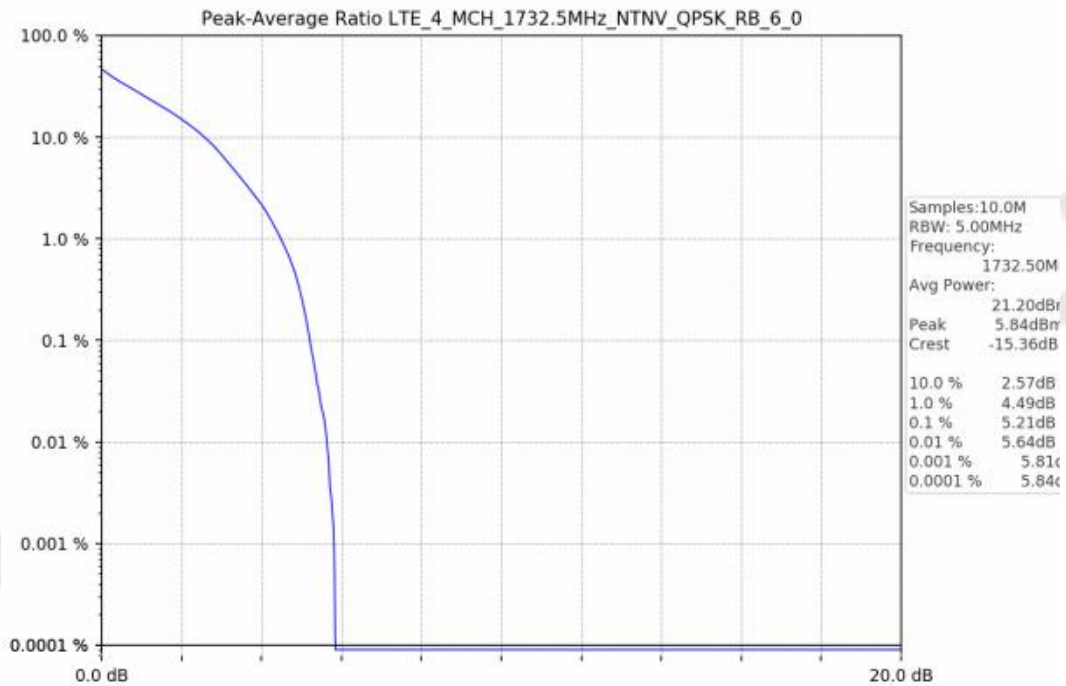
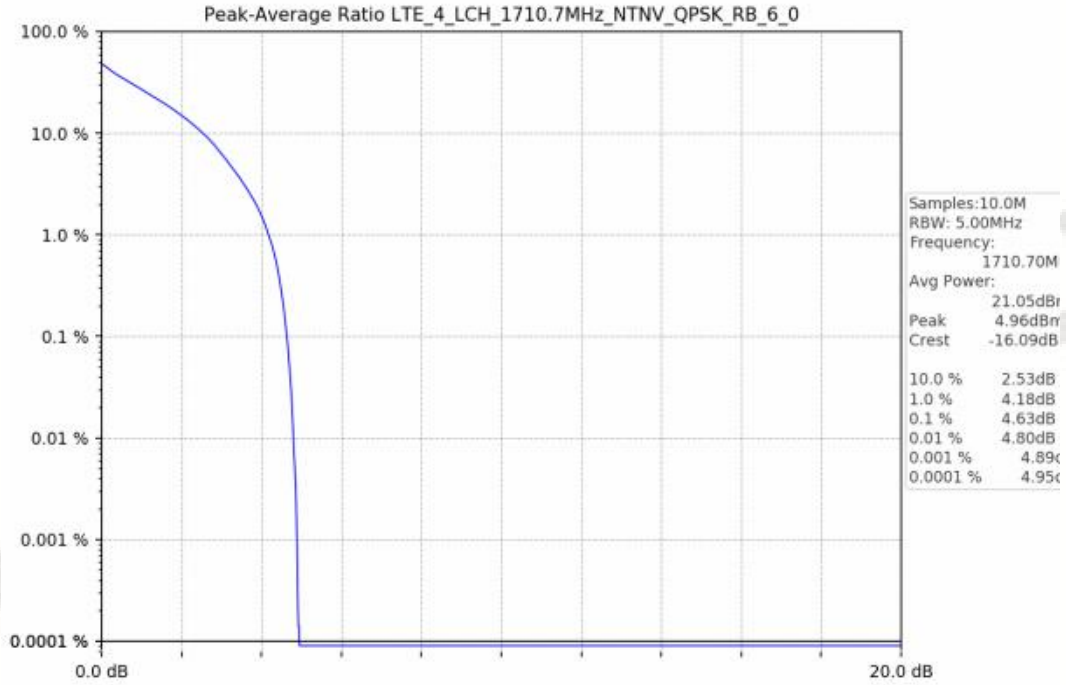
E4. Peak-Average Ratio

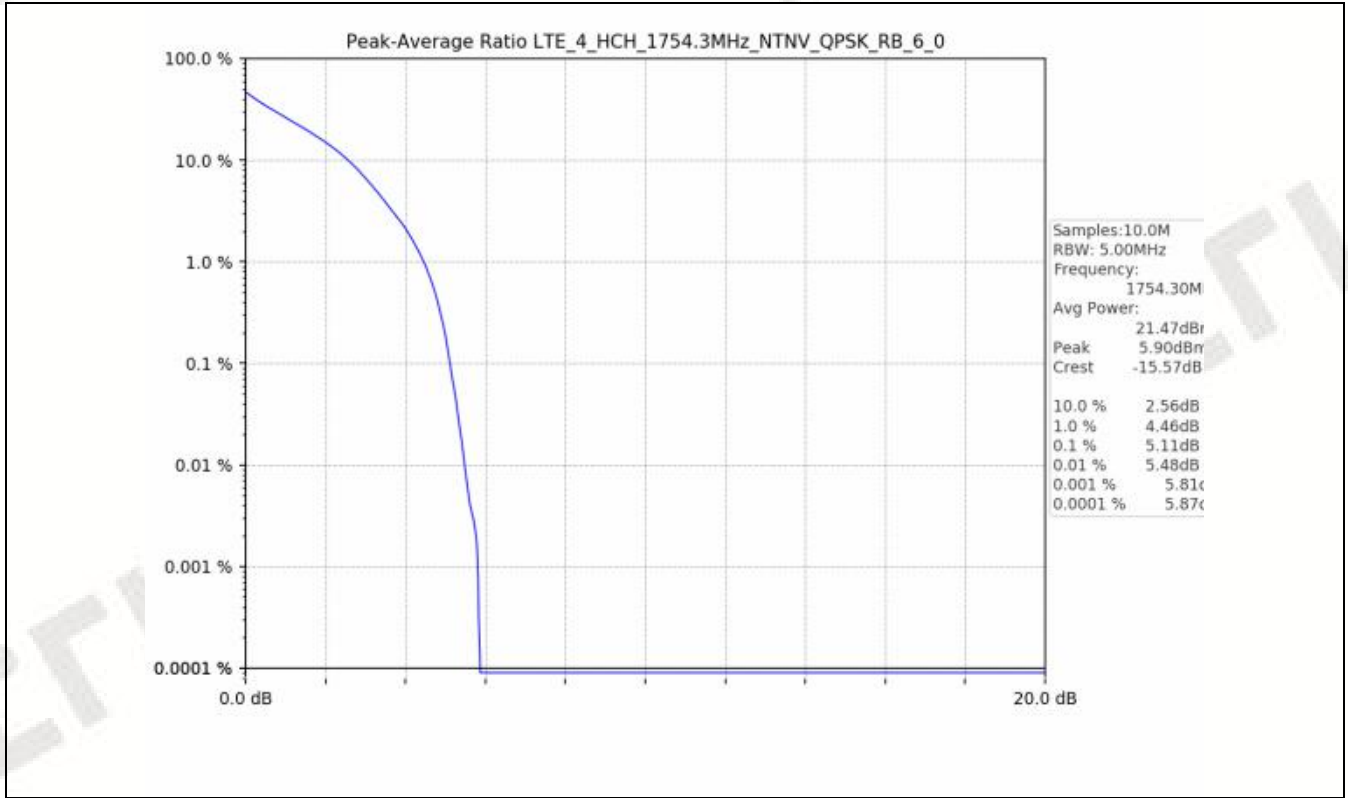
E4.1 Test Result

Test Band: 4 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	4.63	5.21	5.11	13	PASS
16QAM	6	0	5.47	6.01	5.91	13	PASS

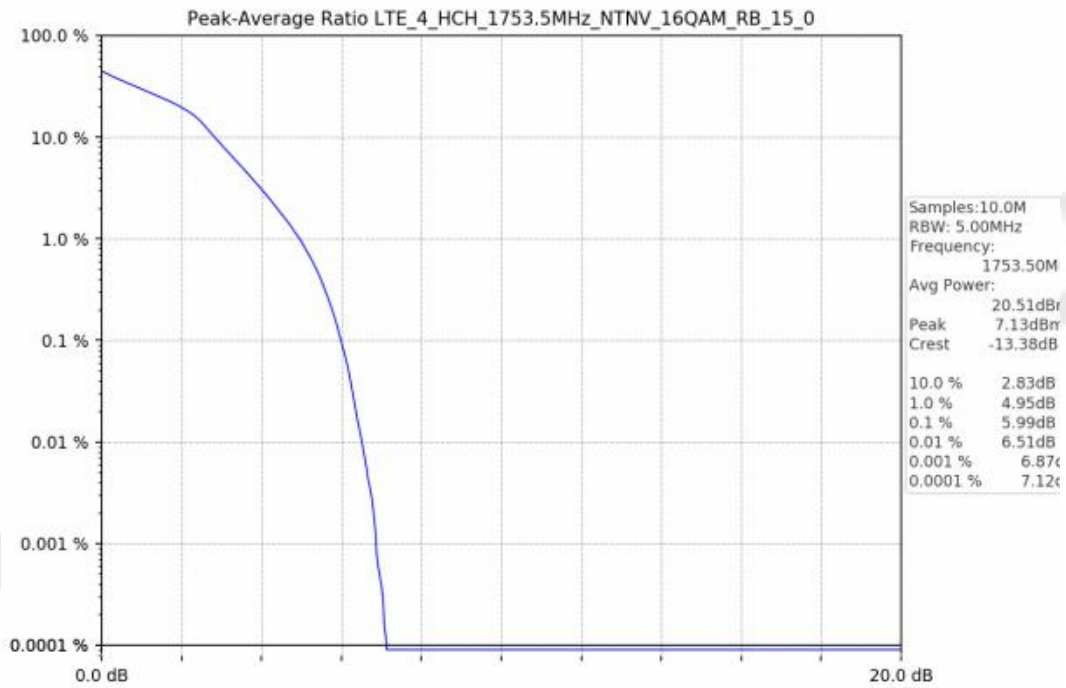
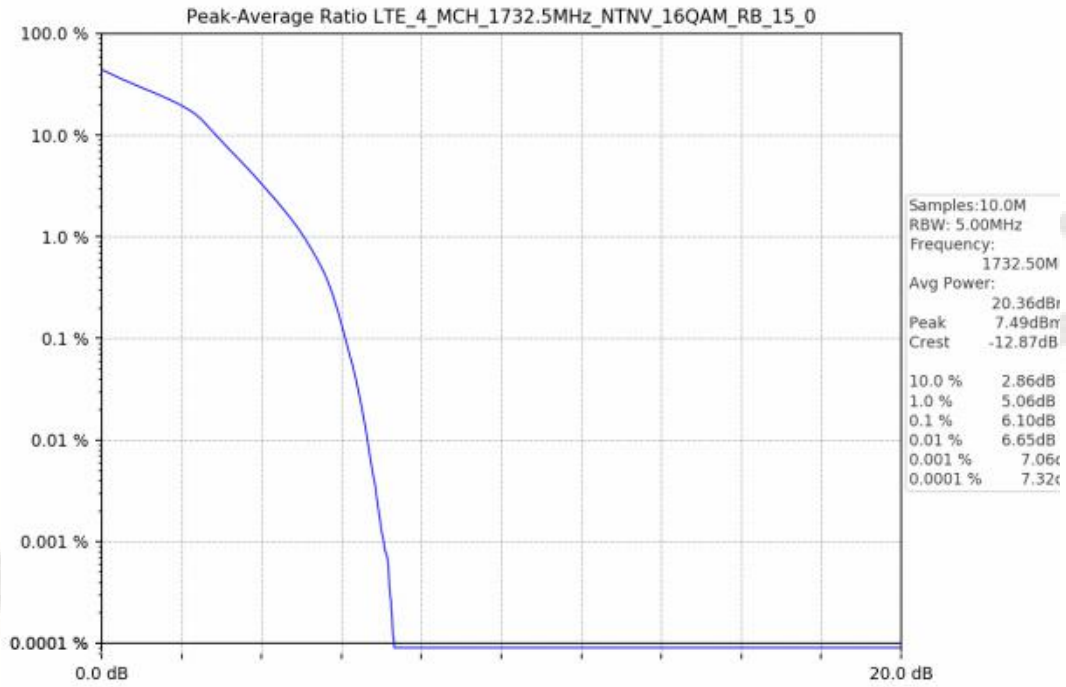


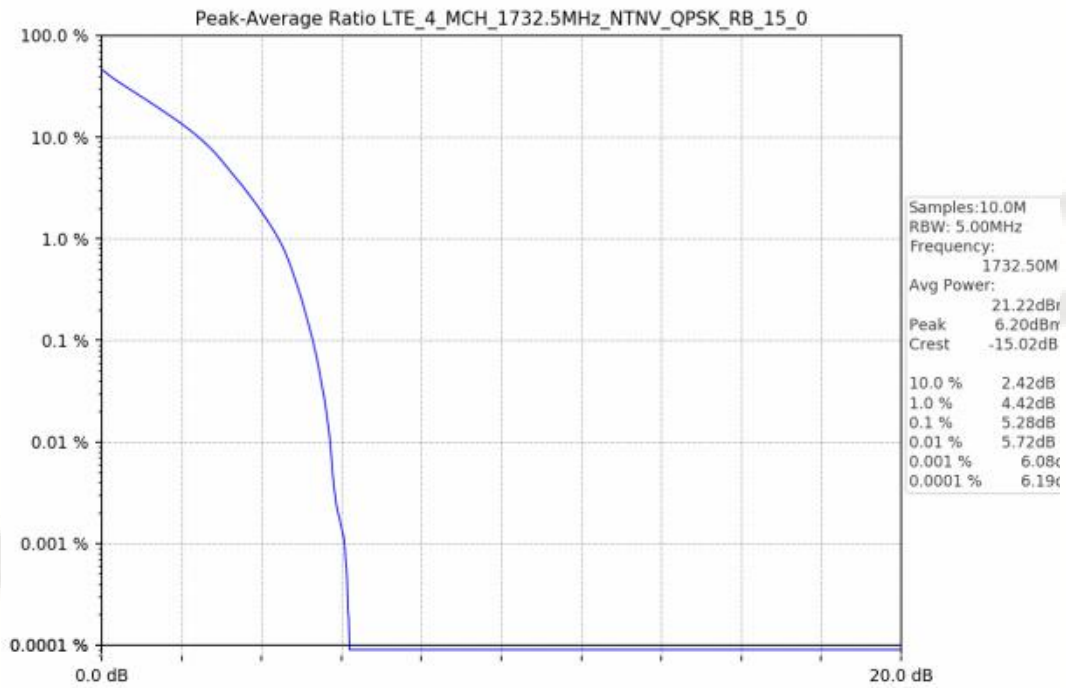
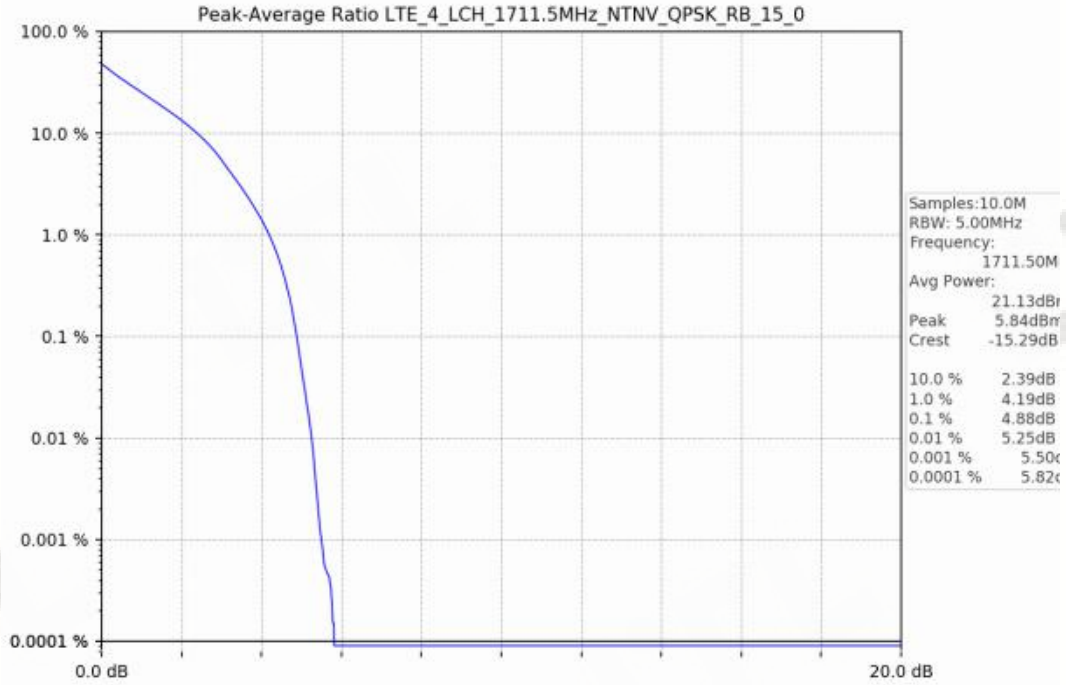






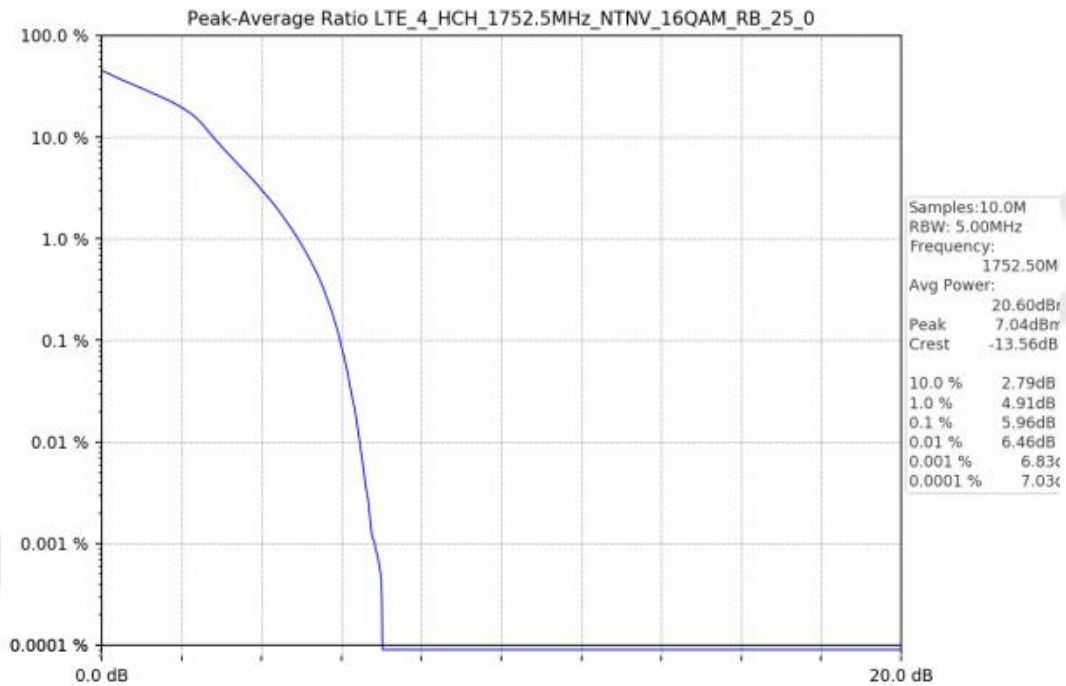
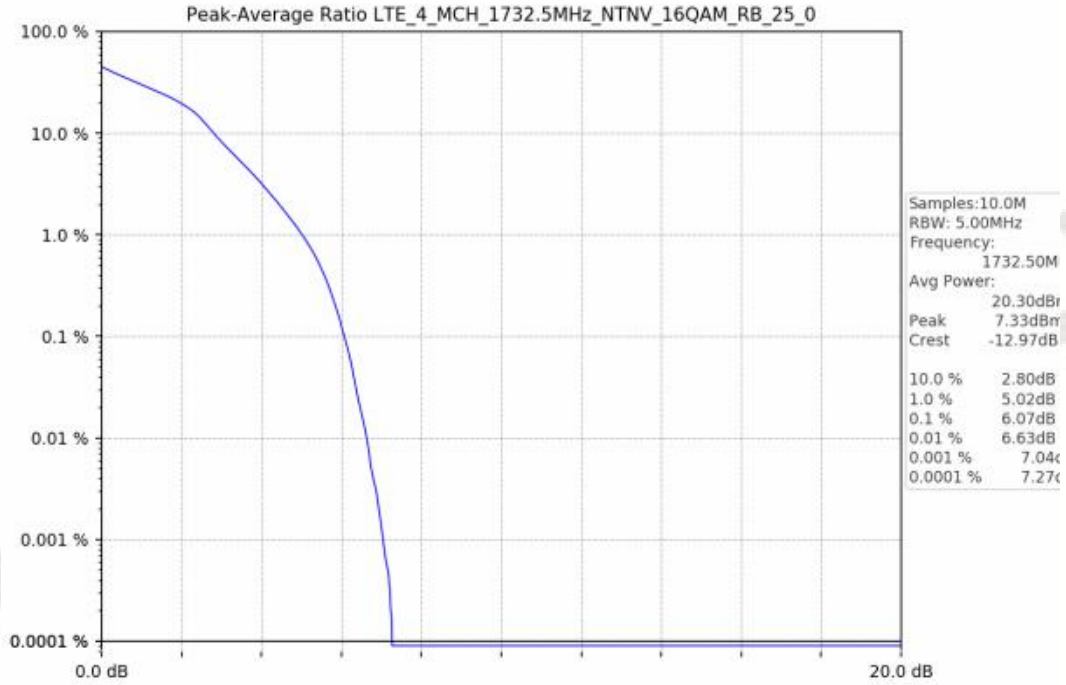


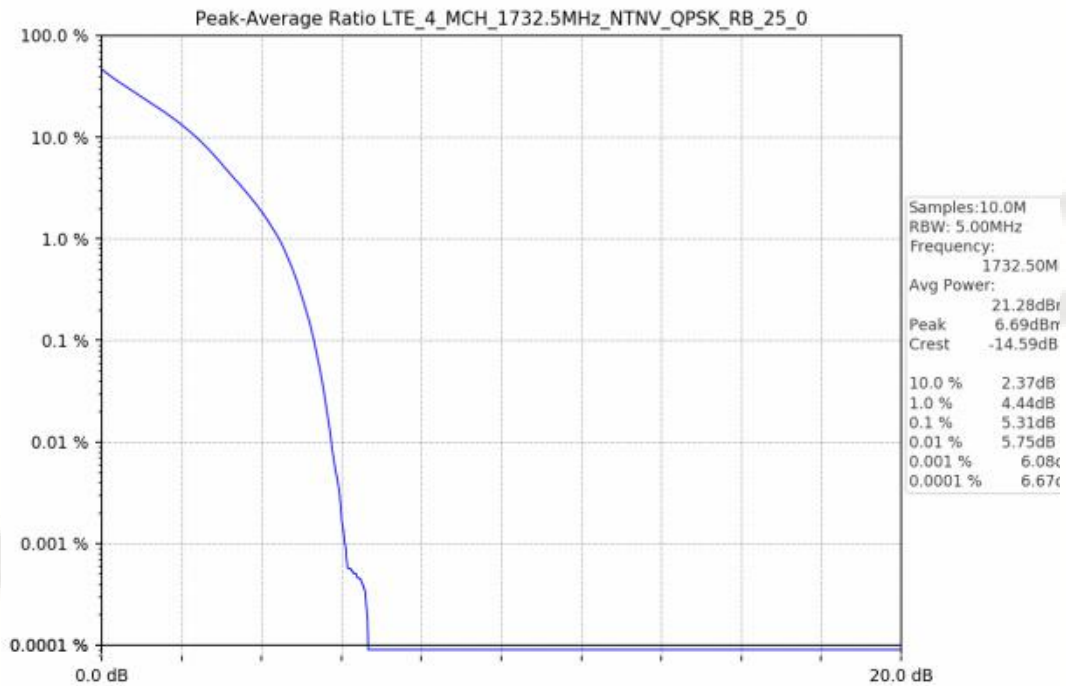
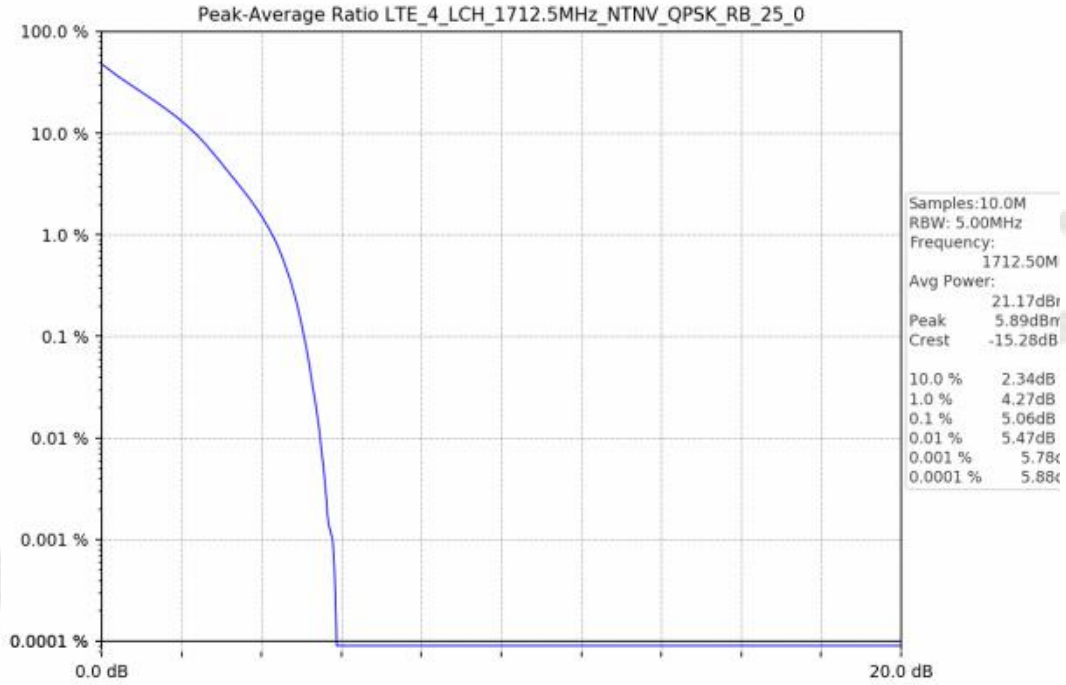






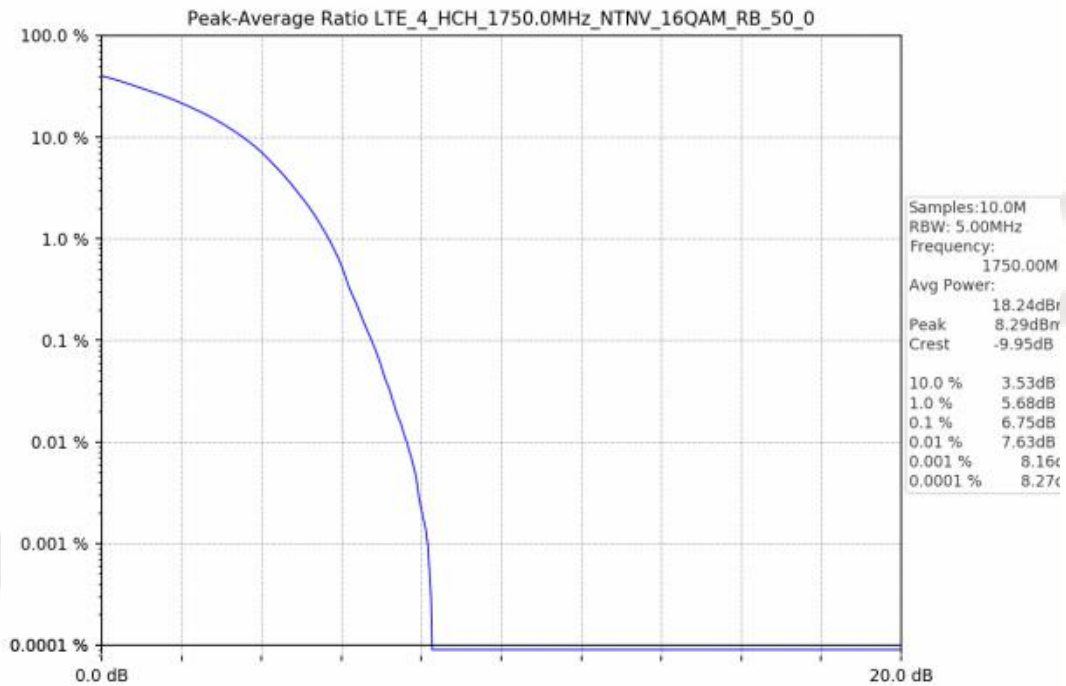
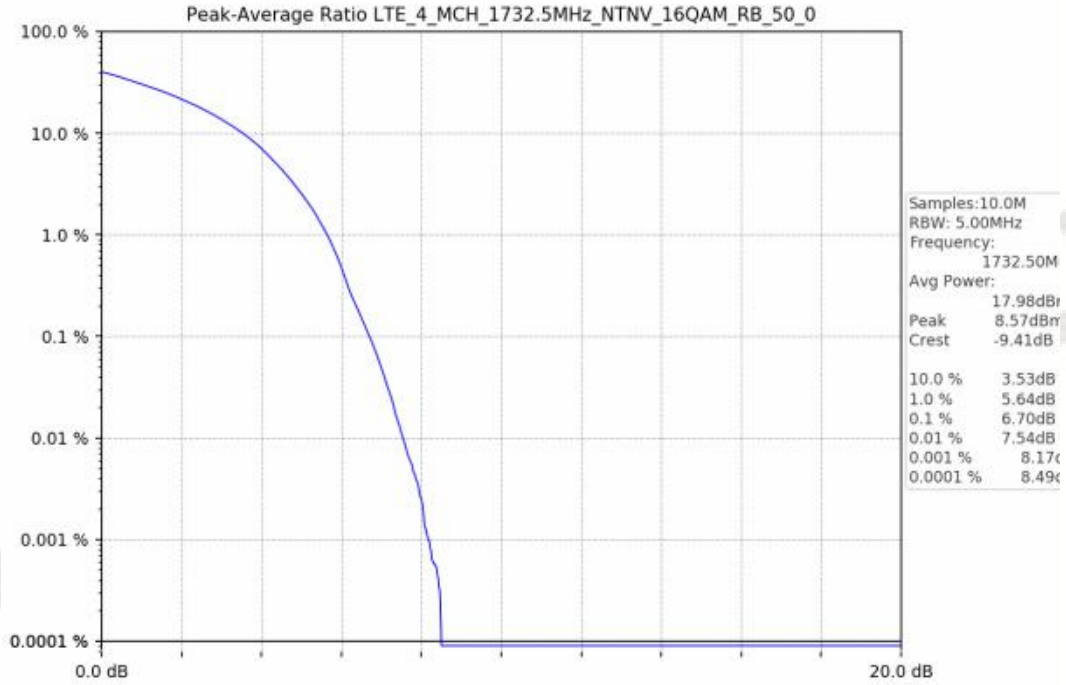


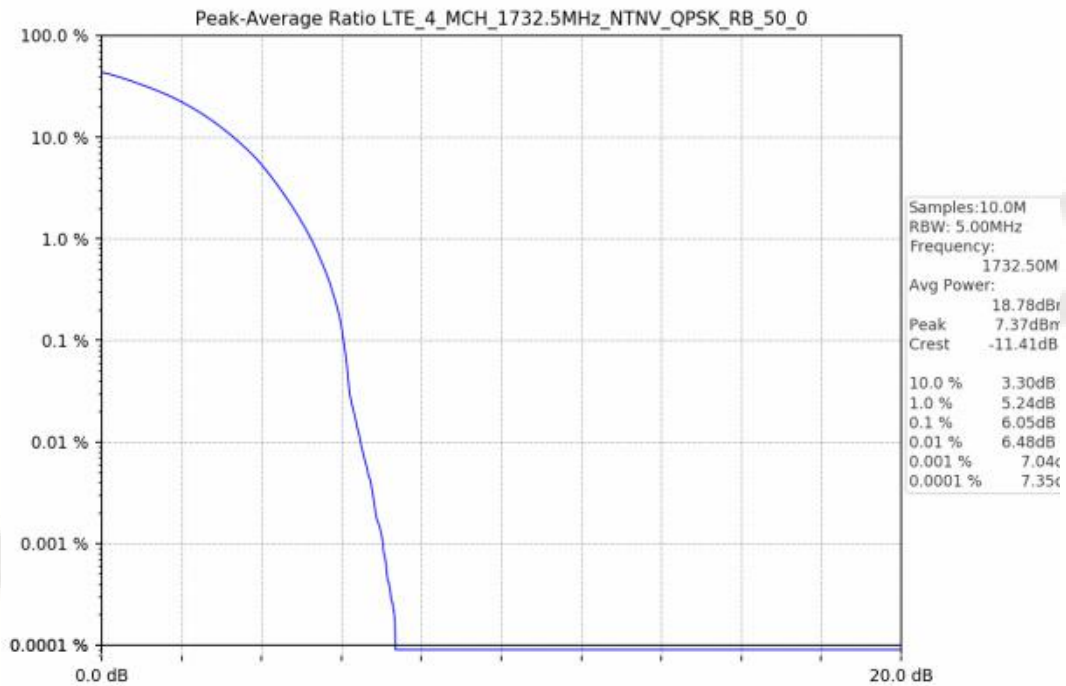
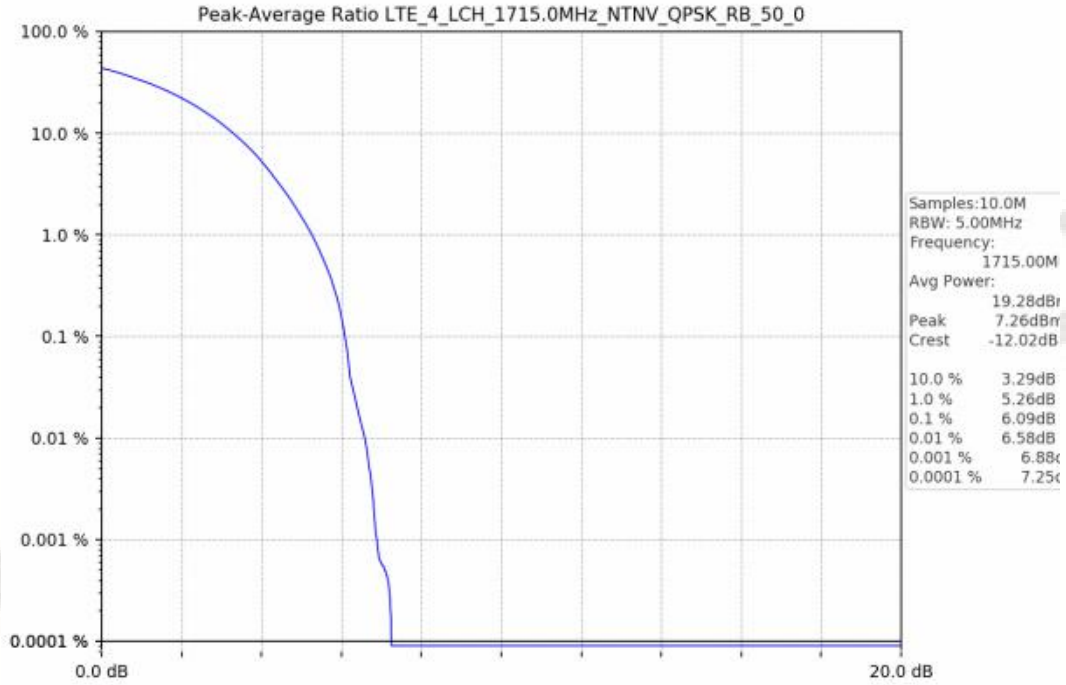


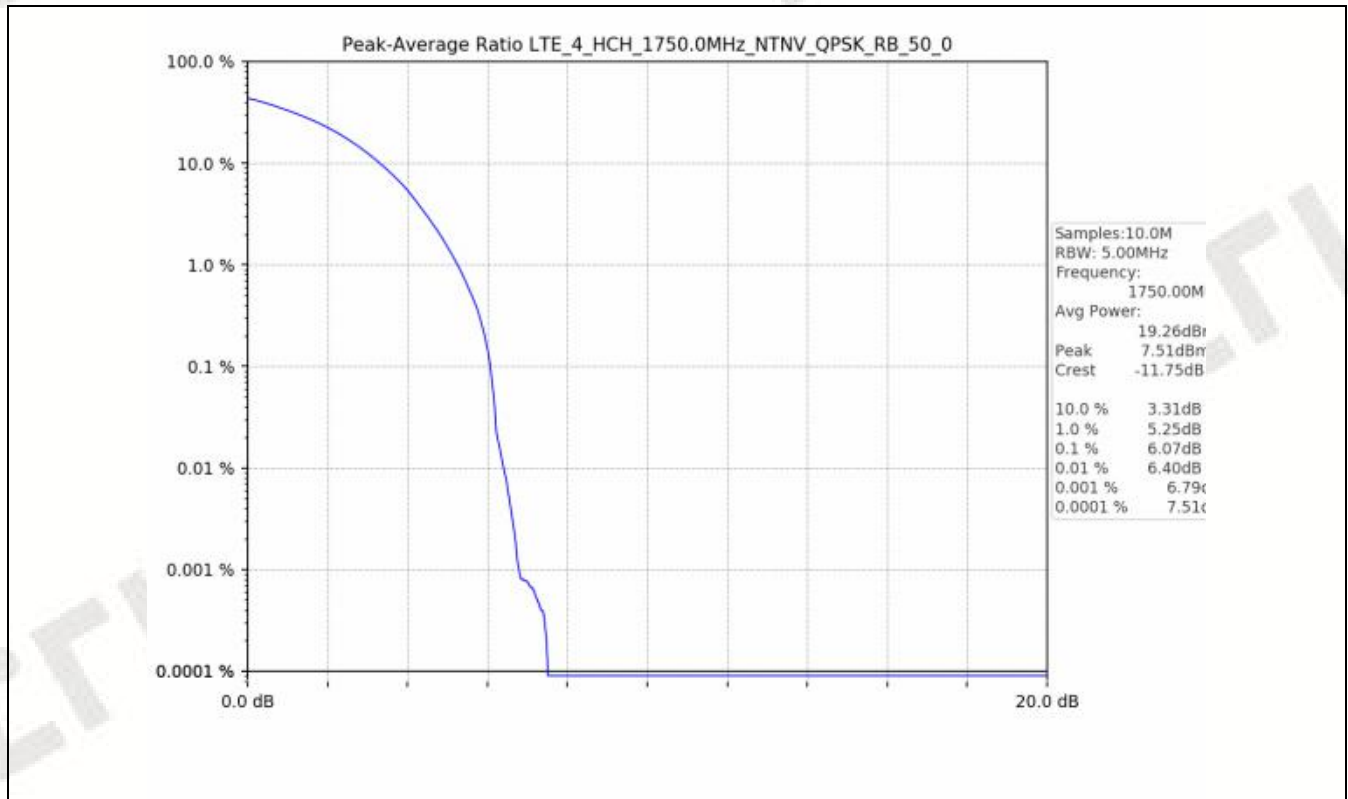


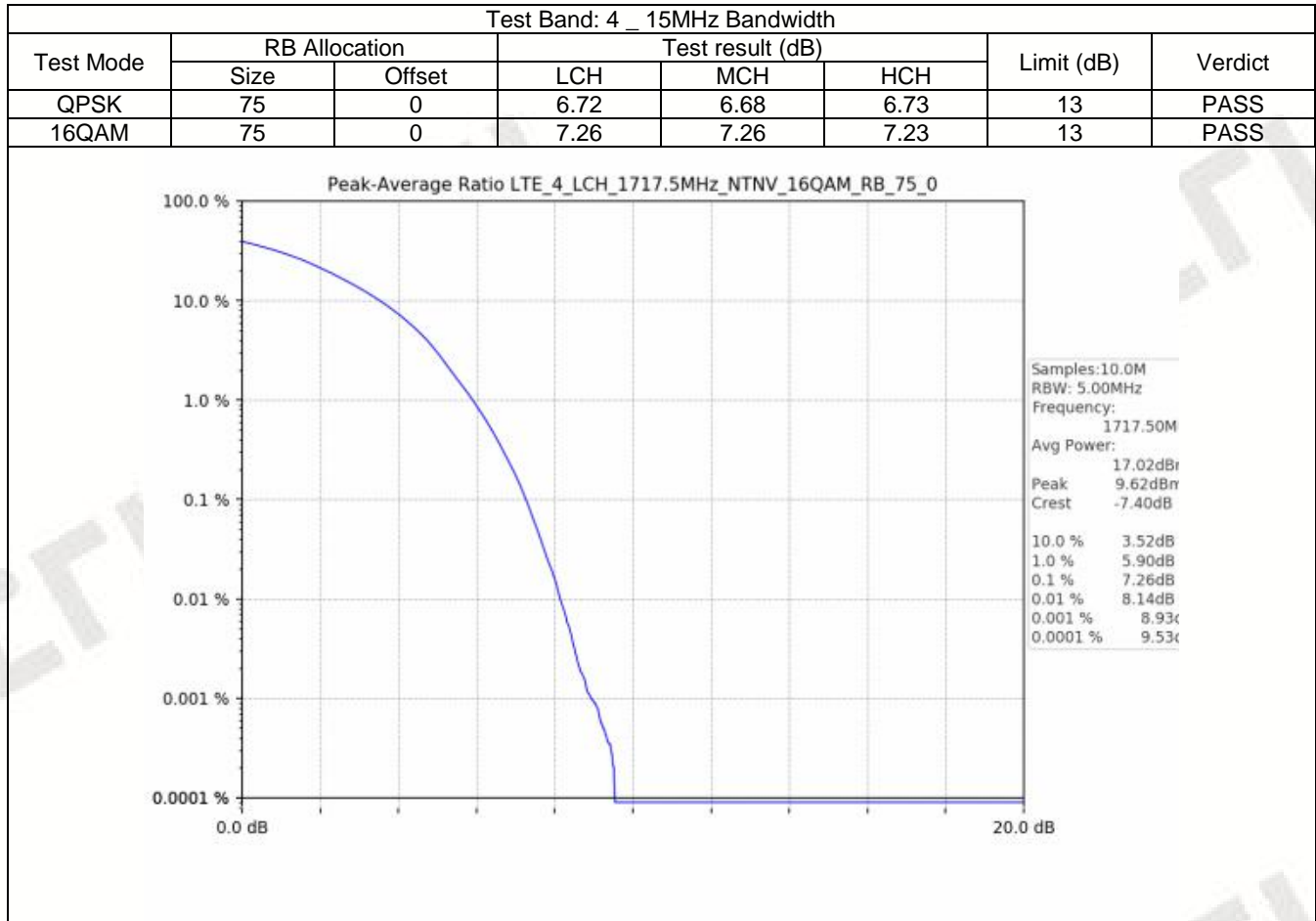


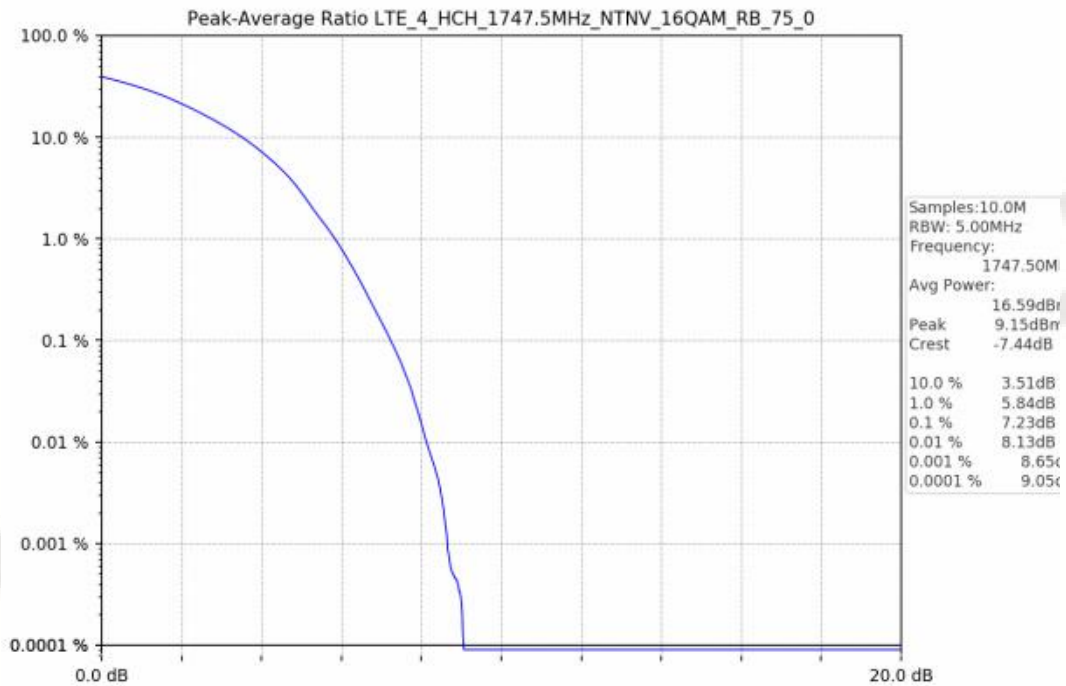
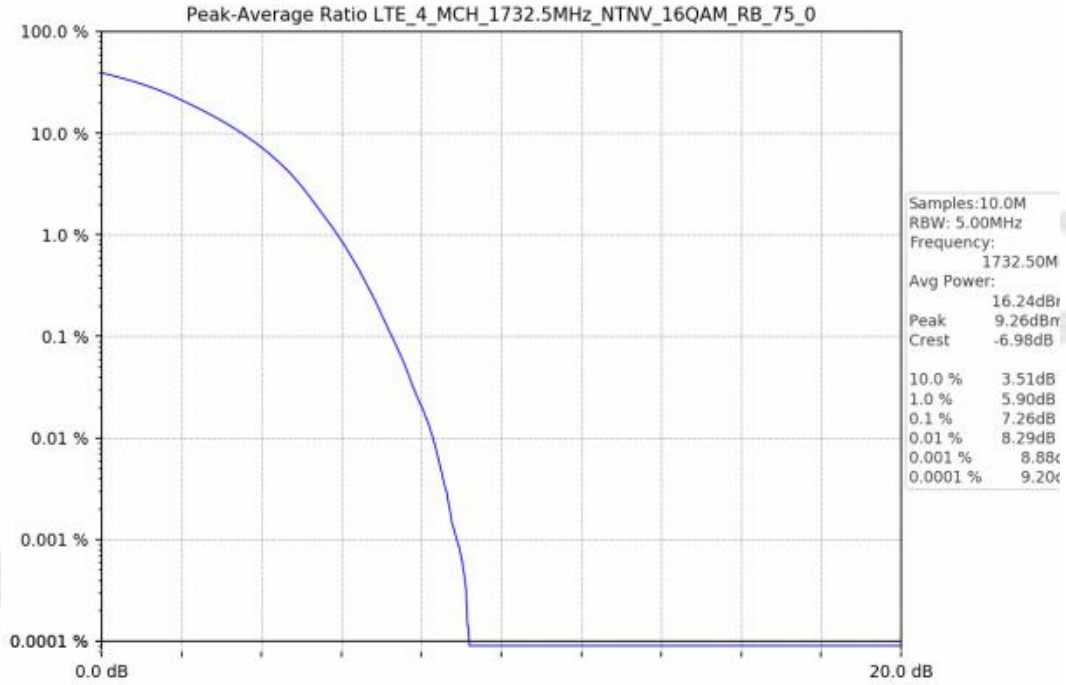


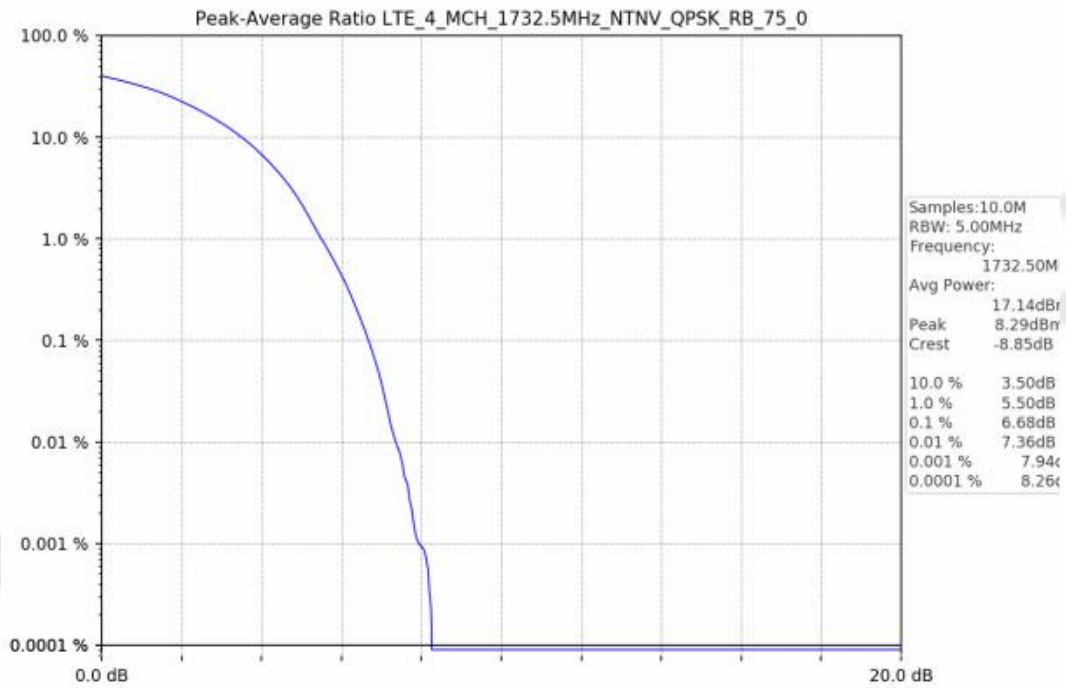
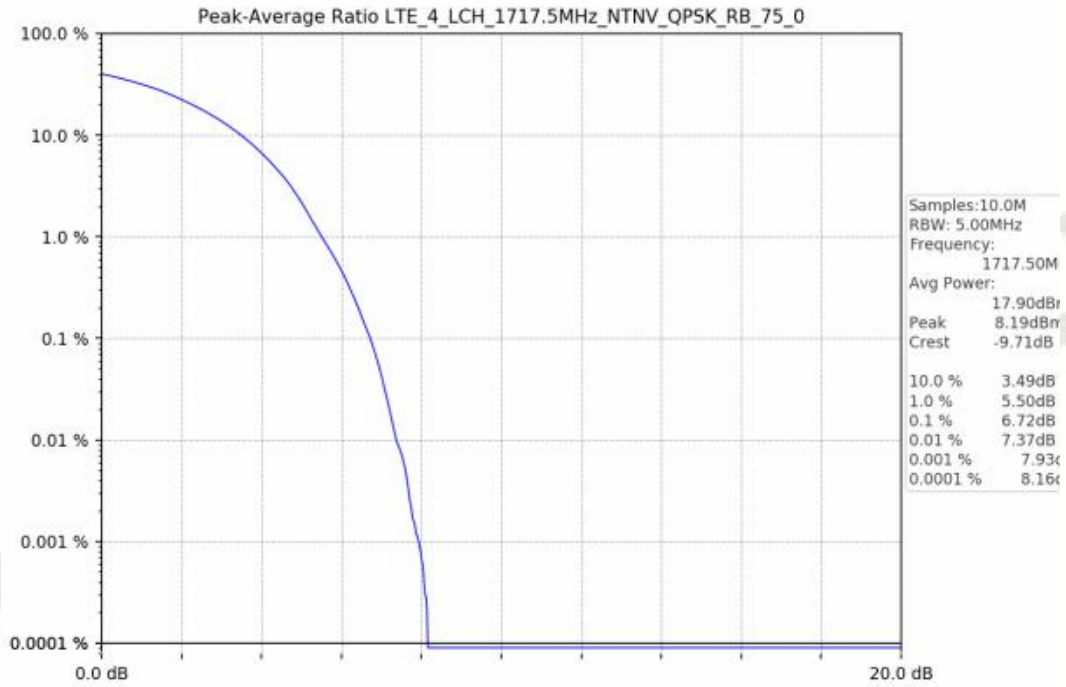


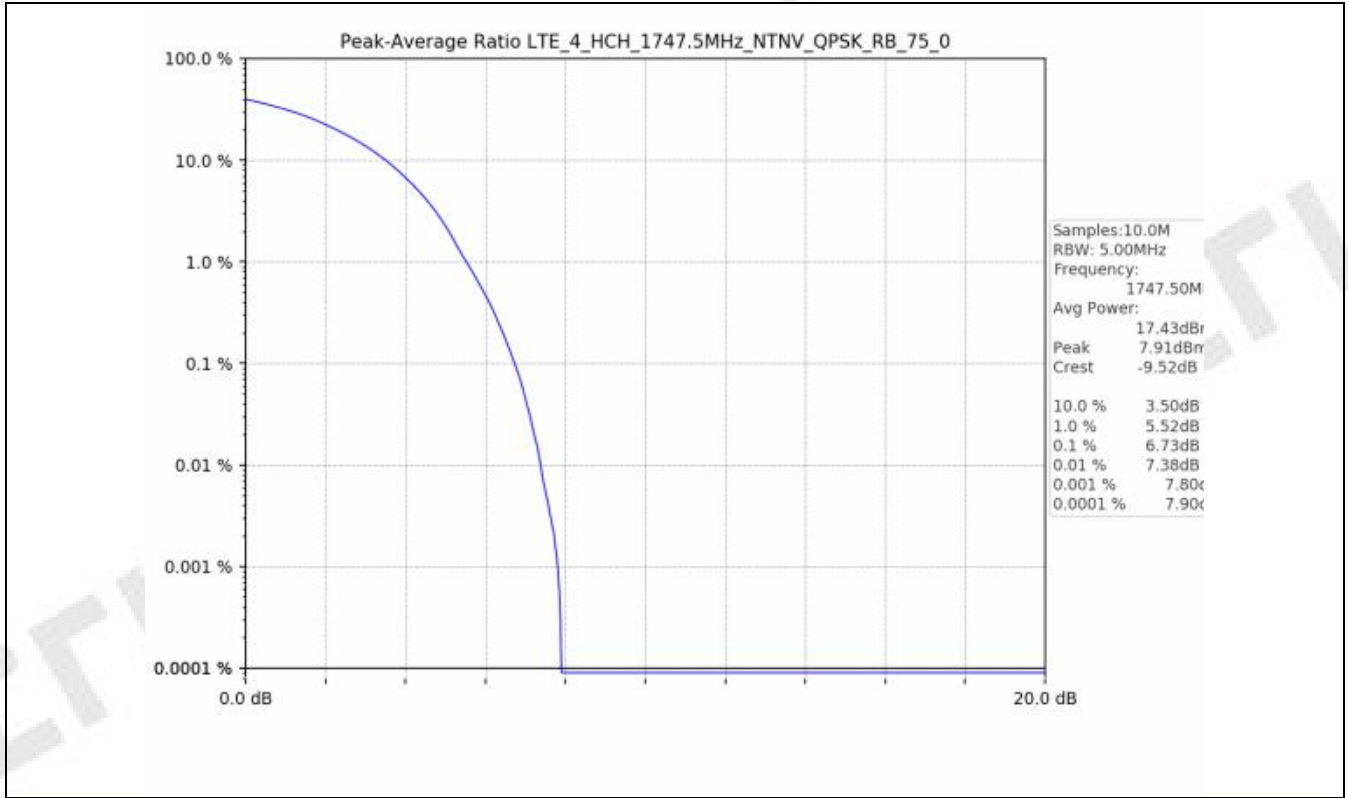


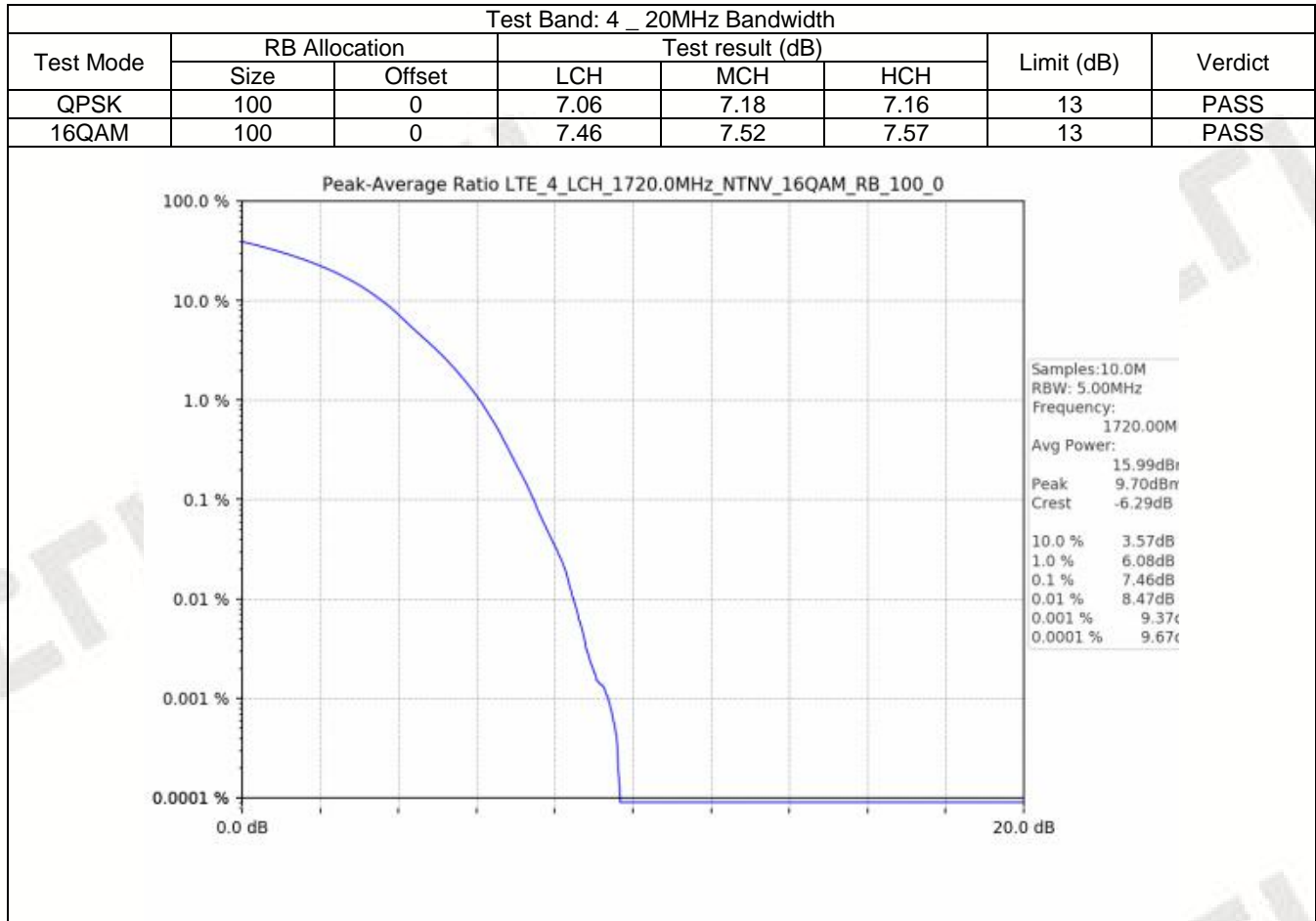


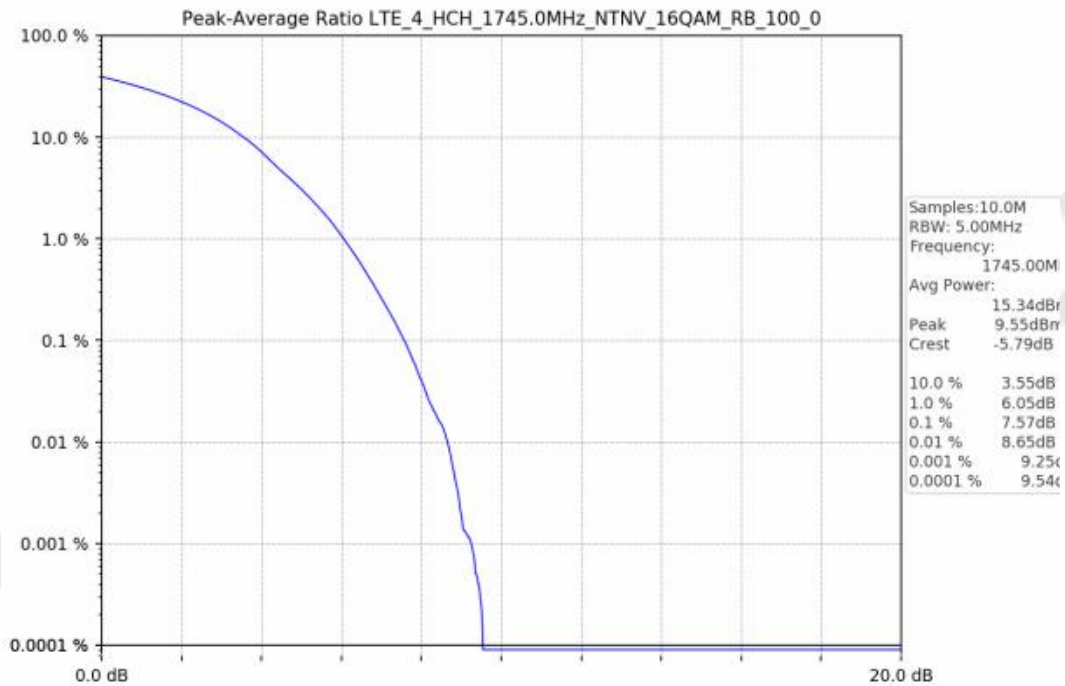
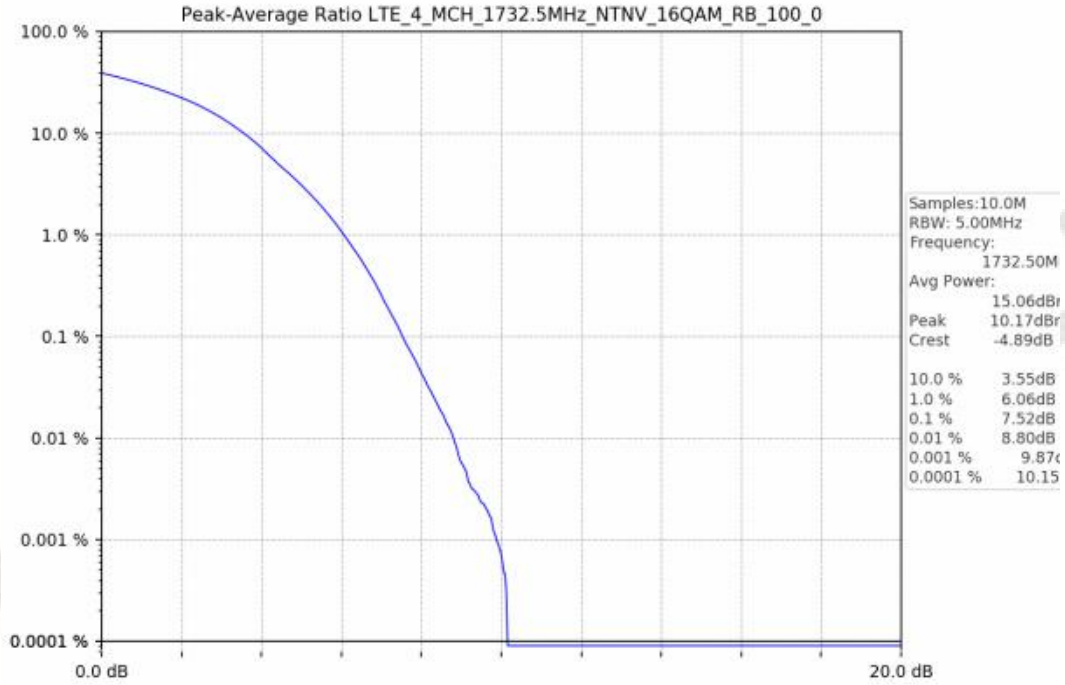


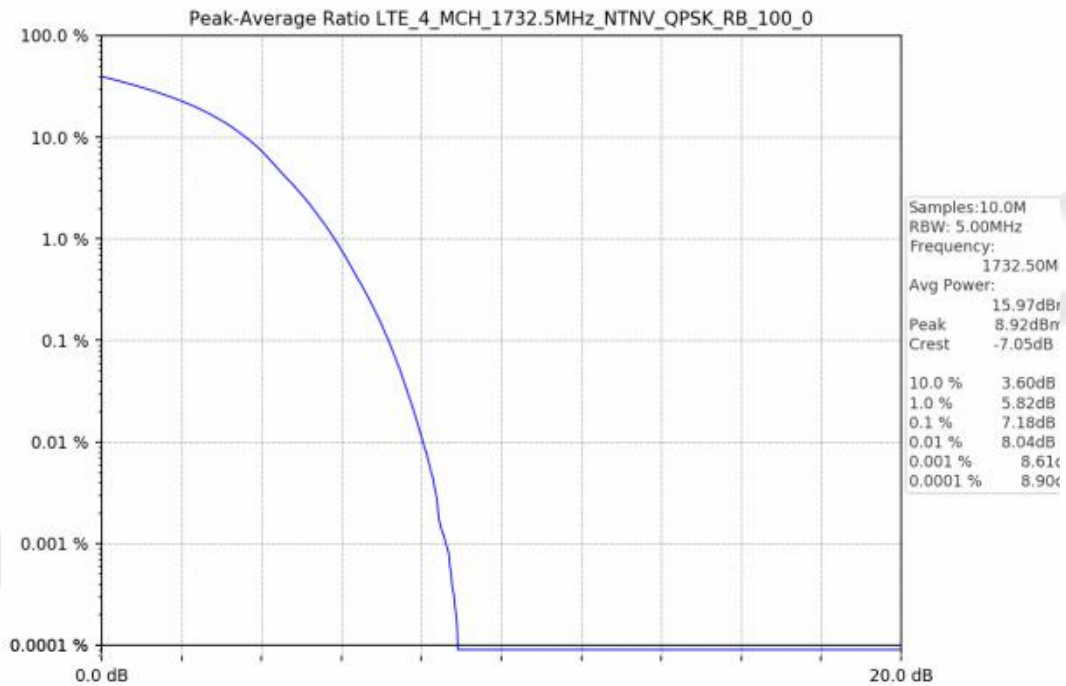
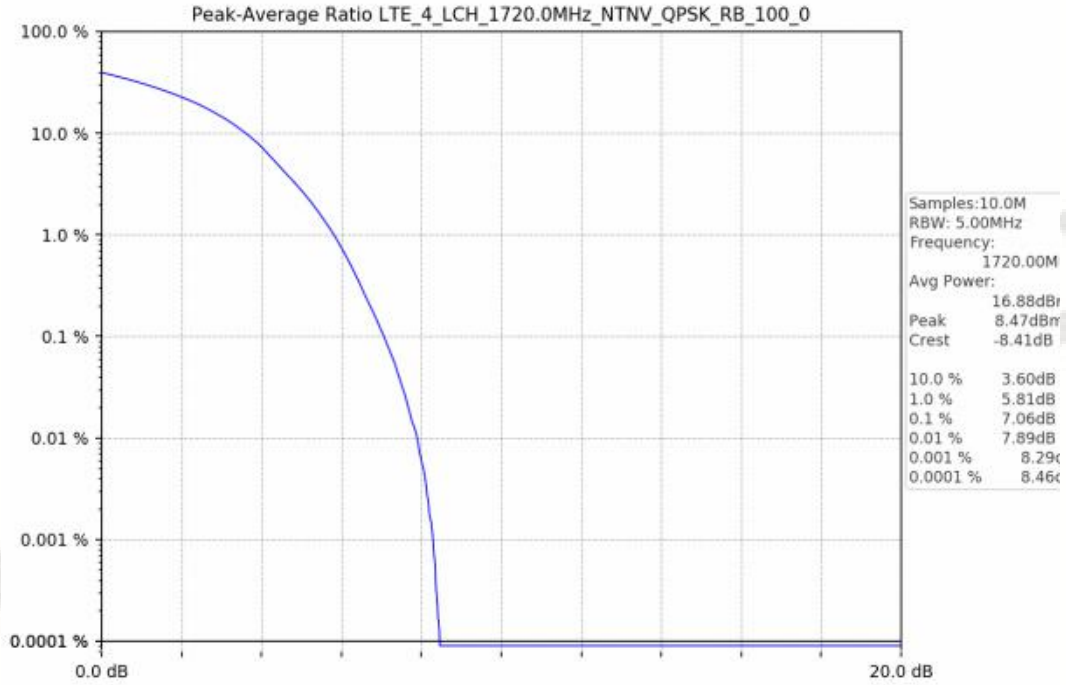


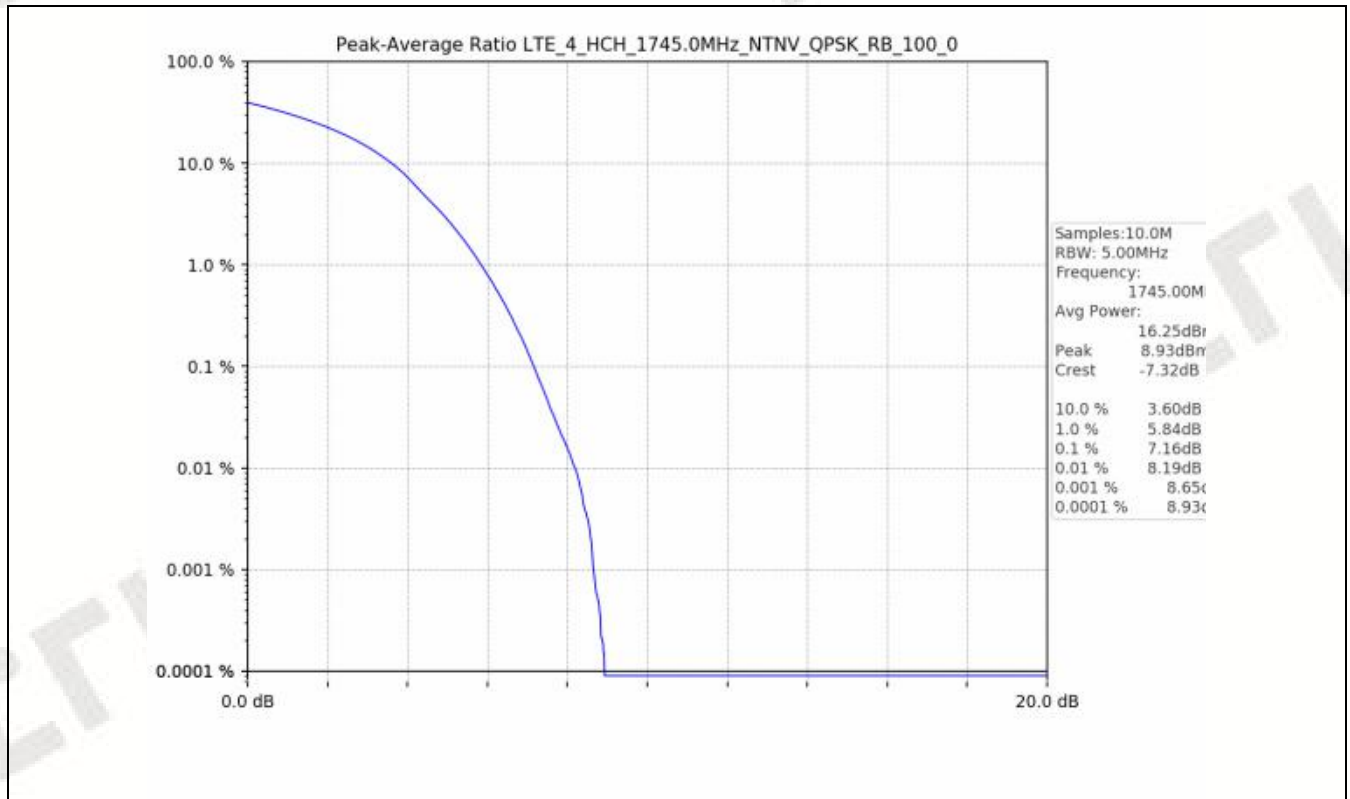






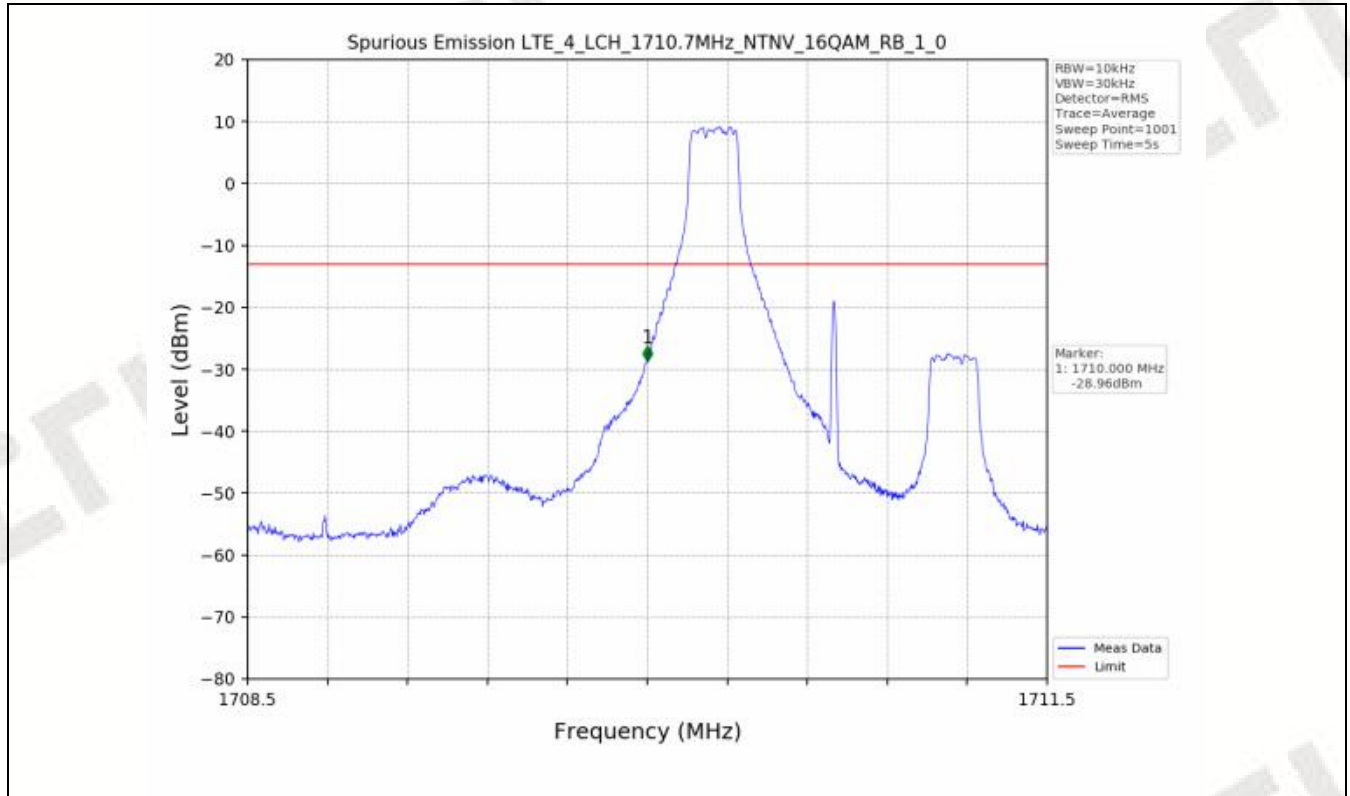


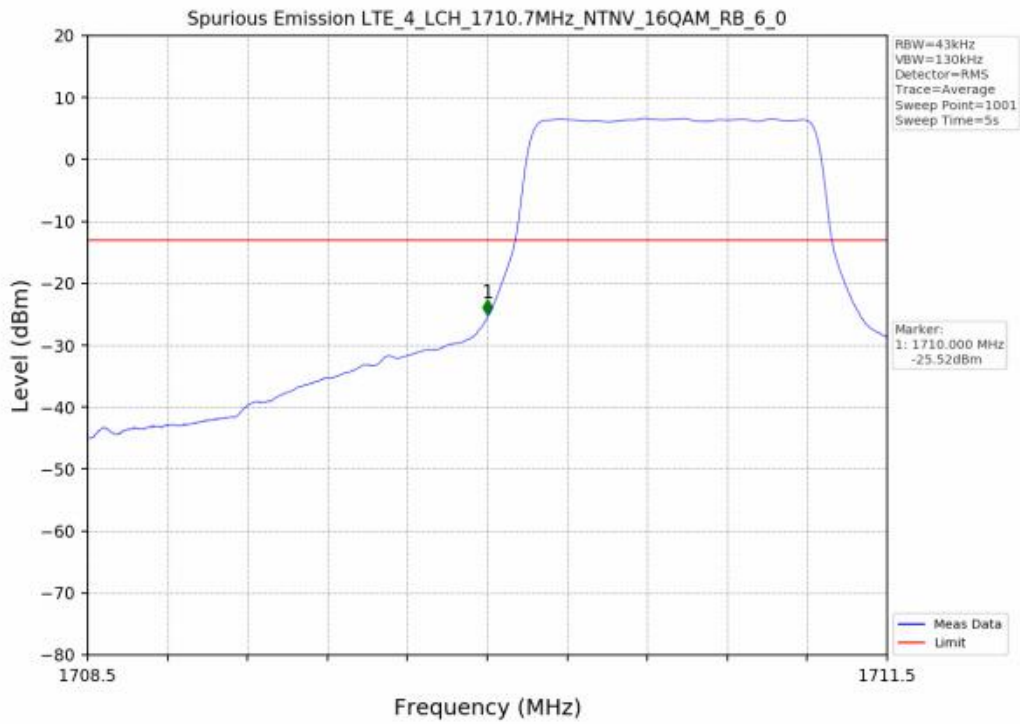
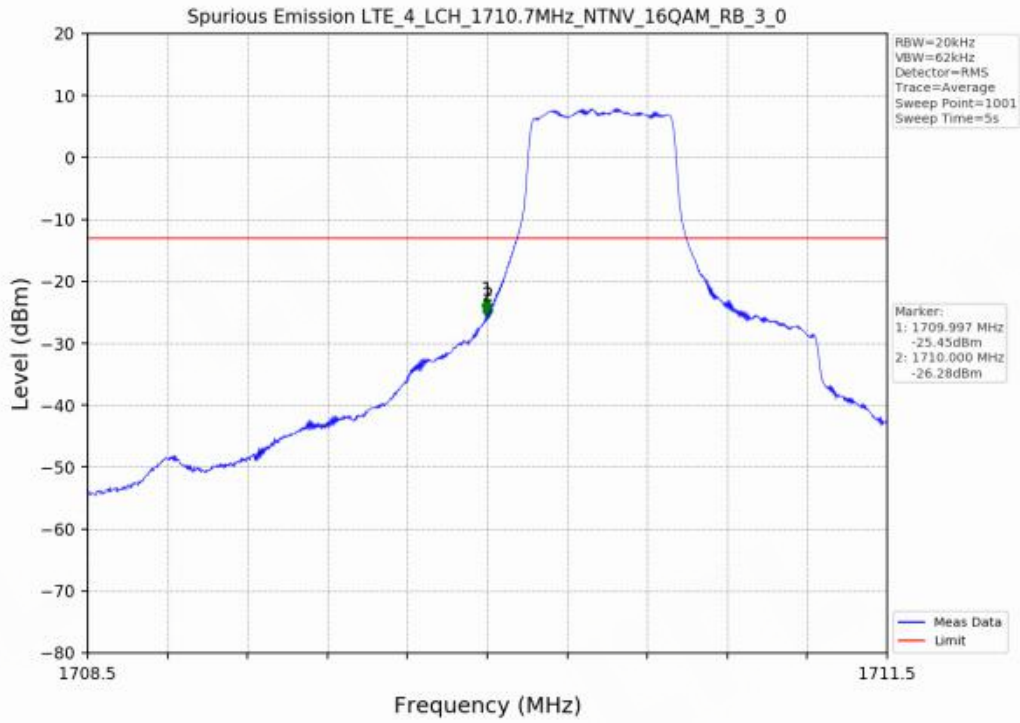


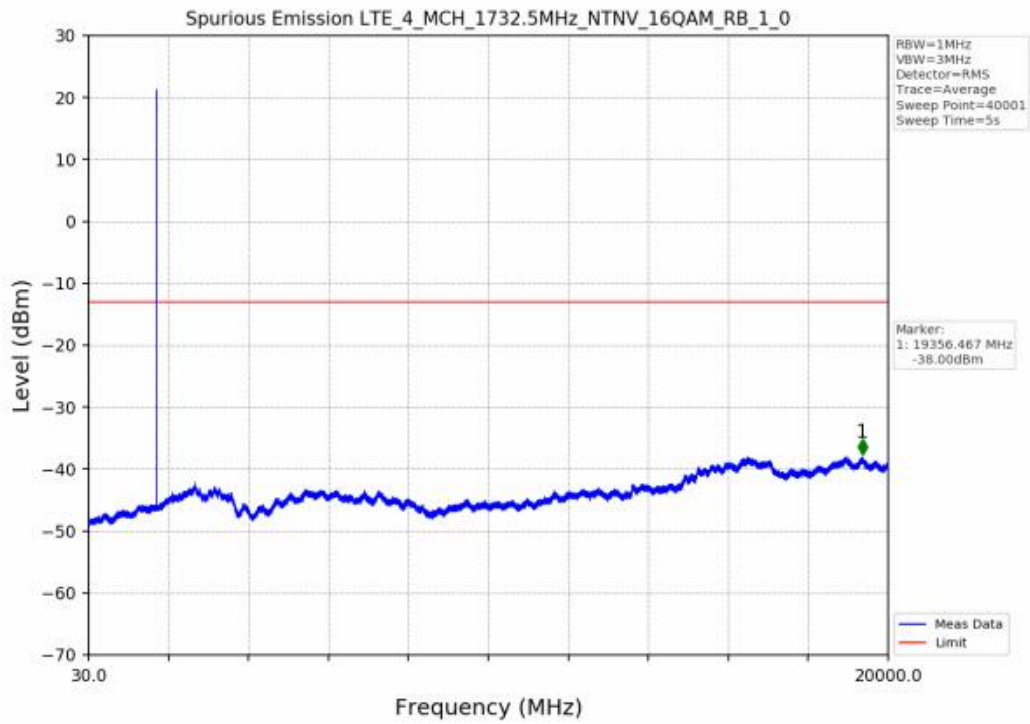
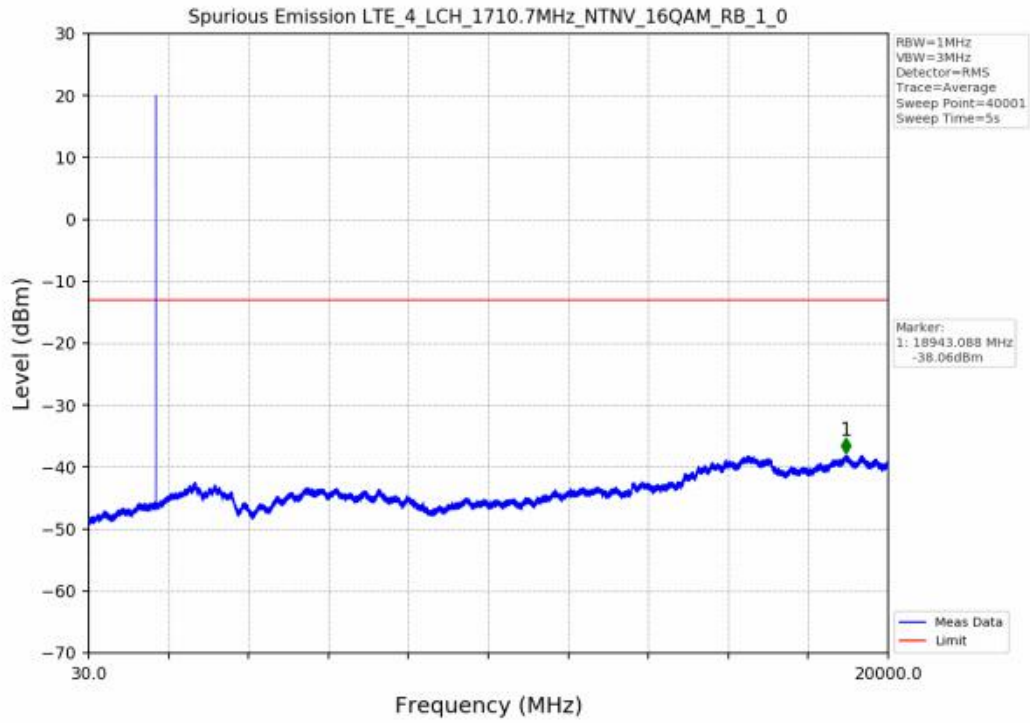


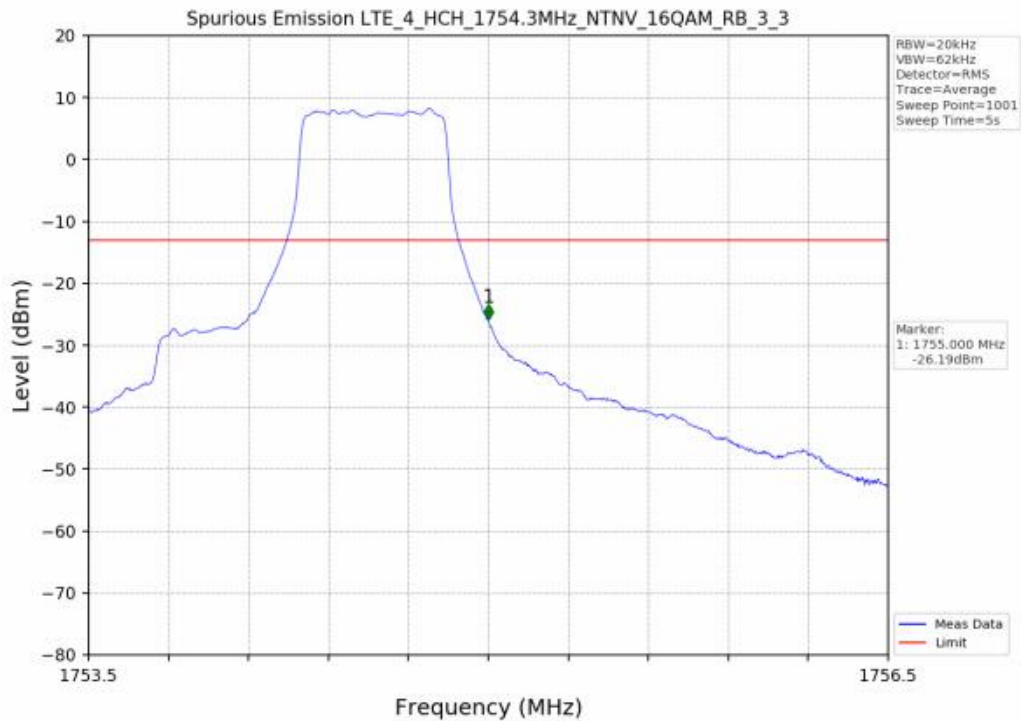
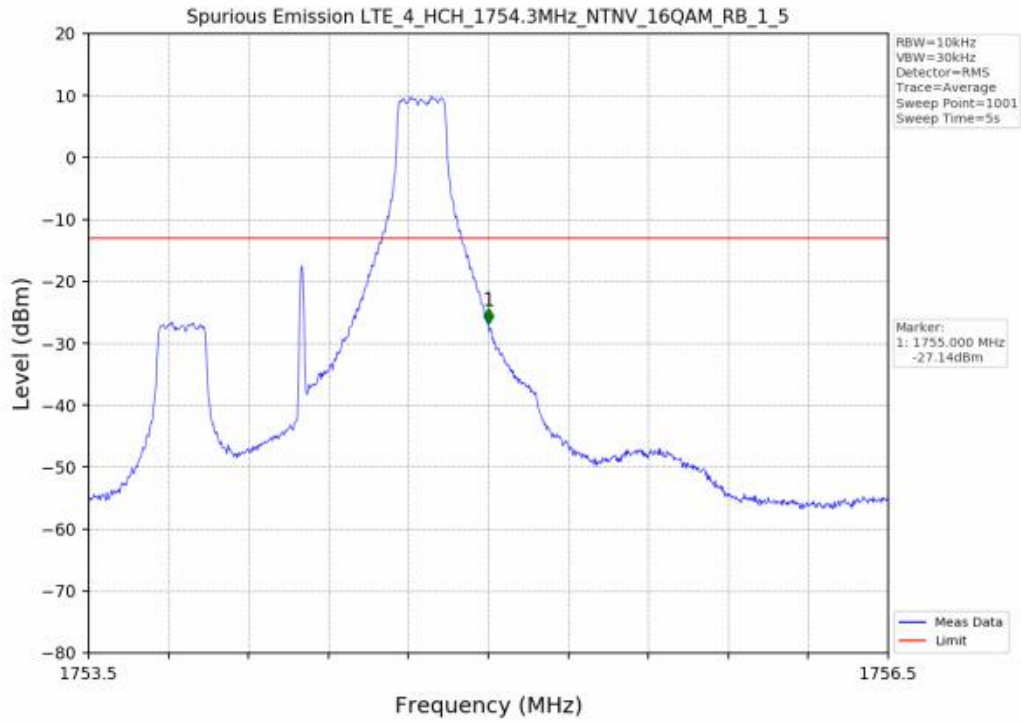
E5. Spurious Emission

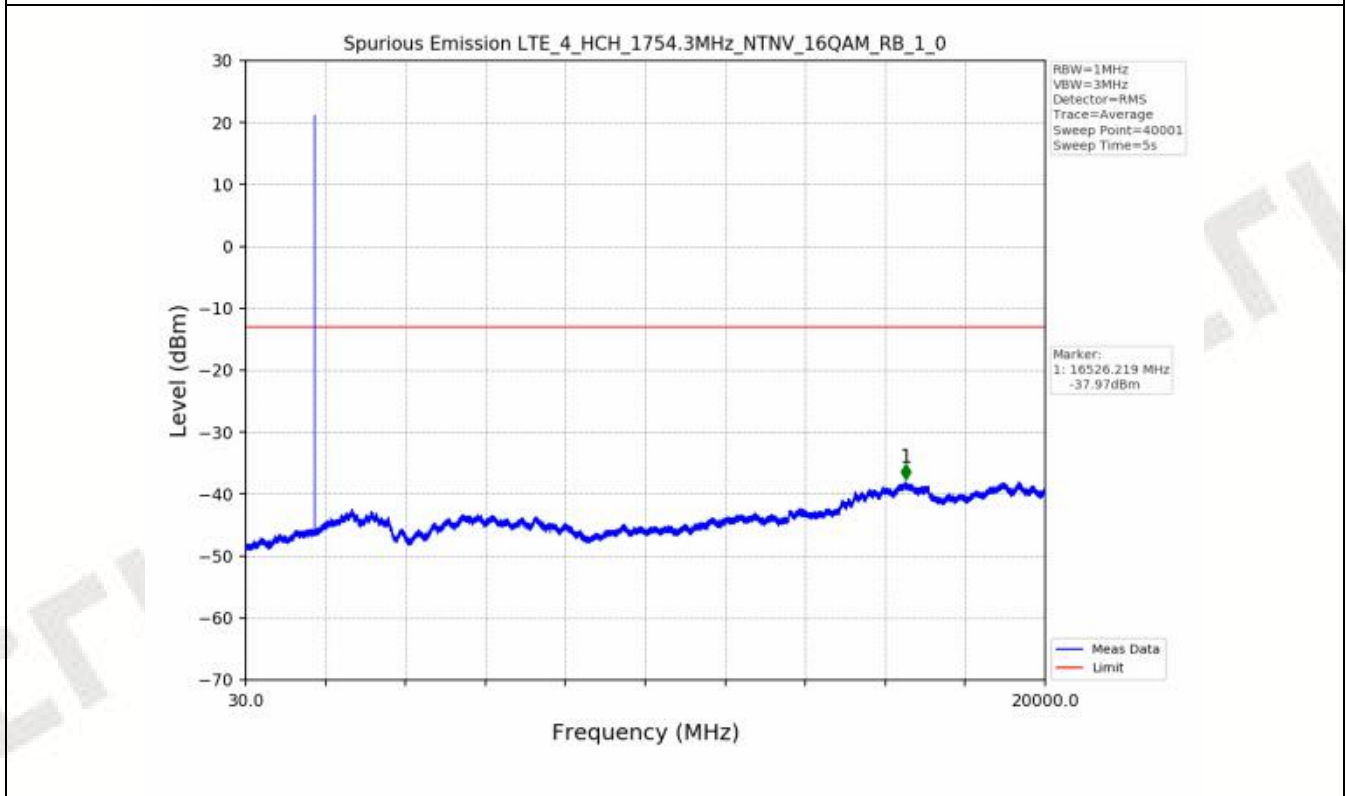
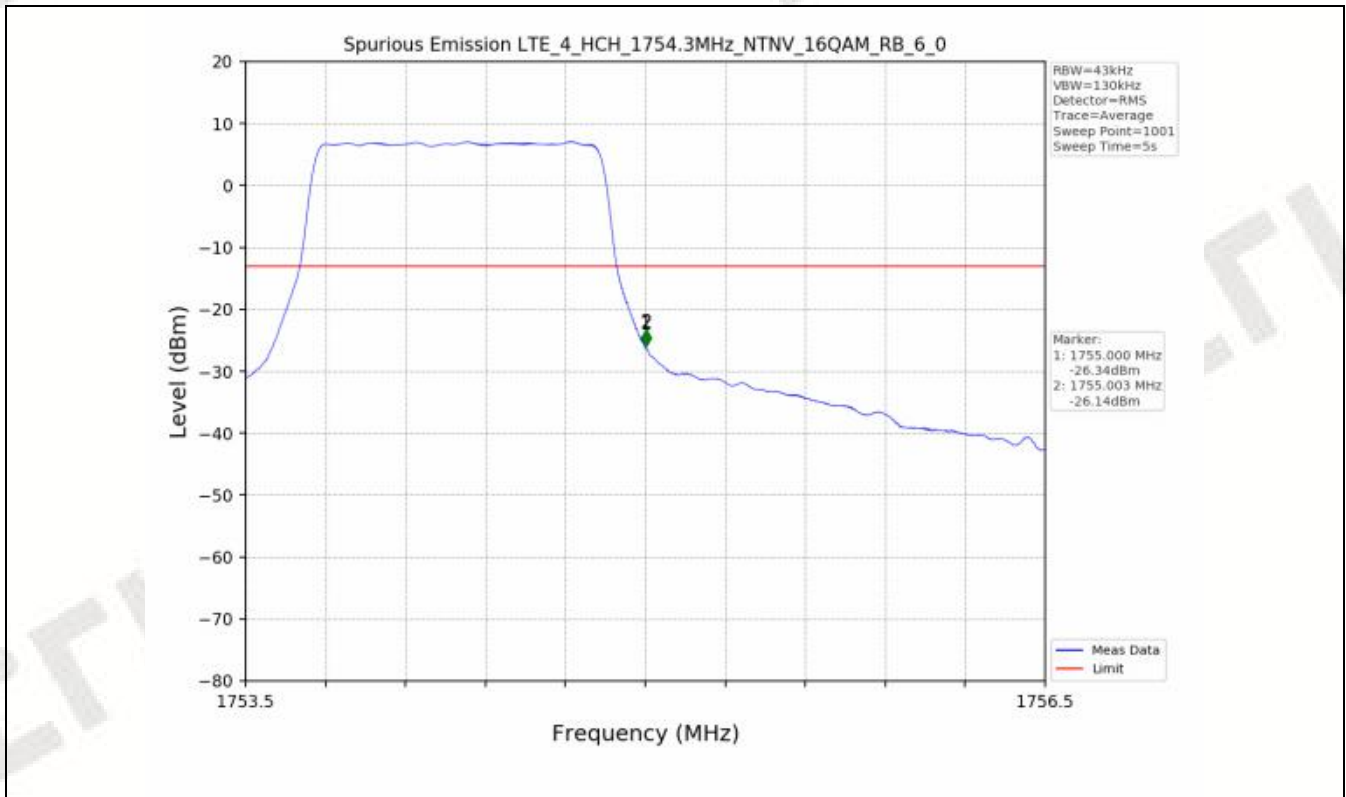
E5.1 Test Graph

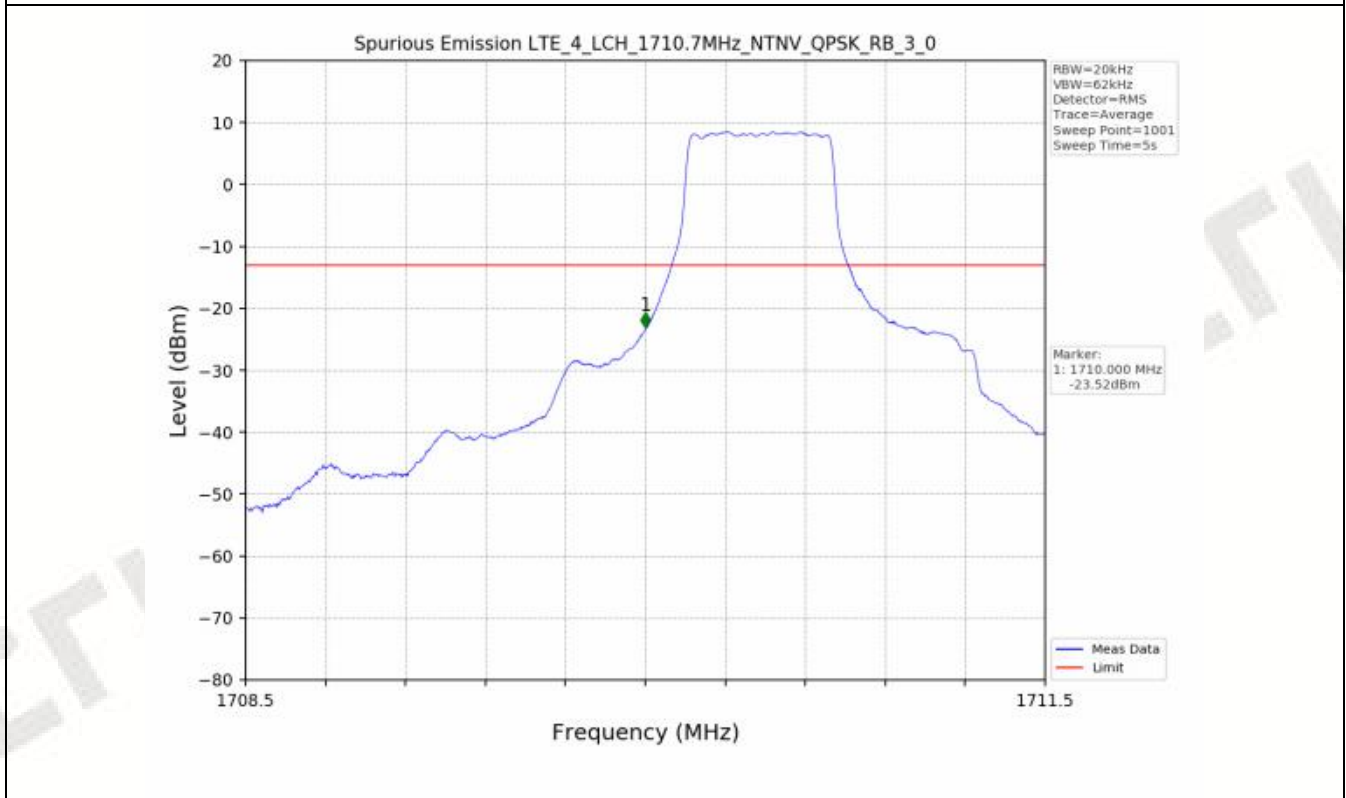
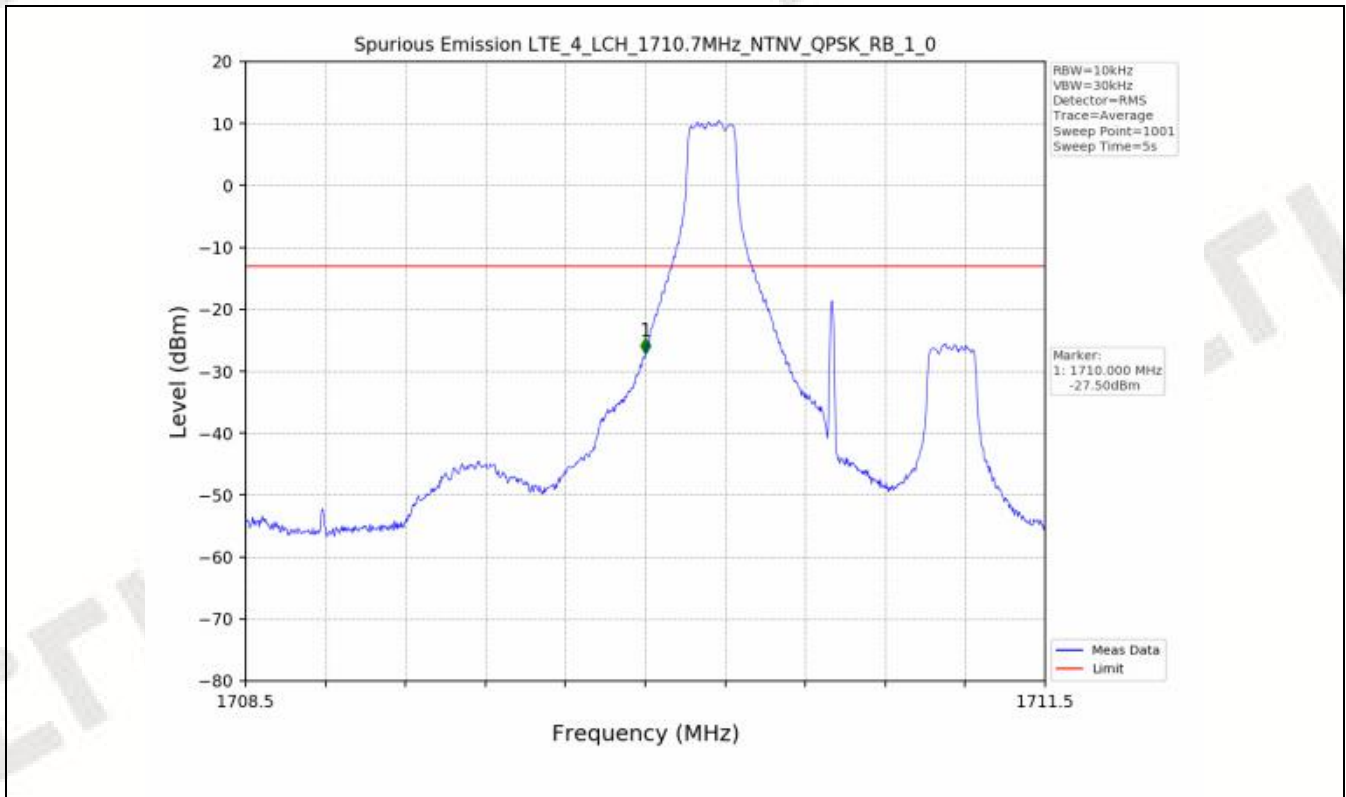


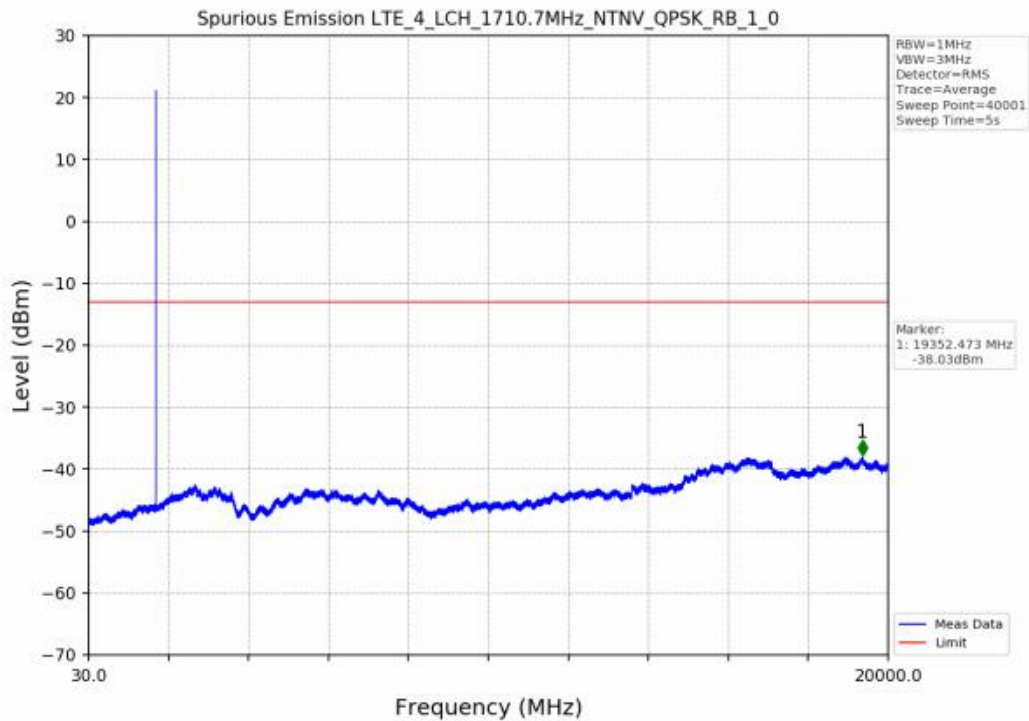
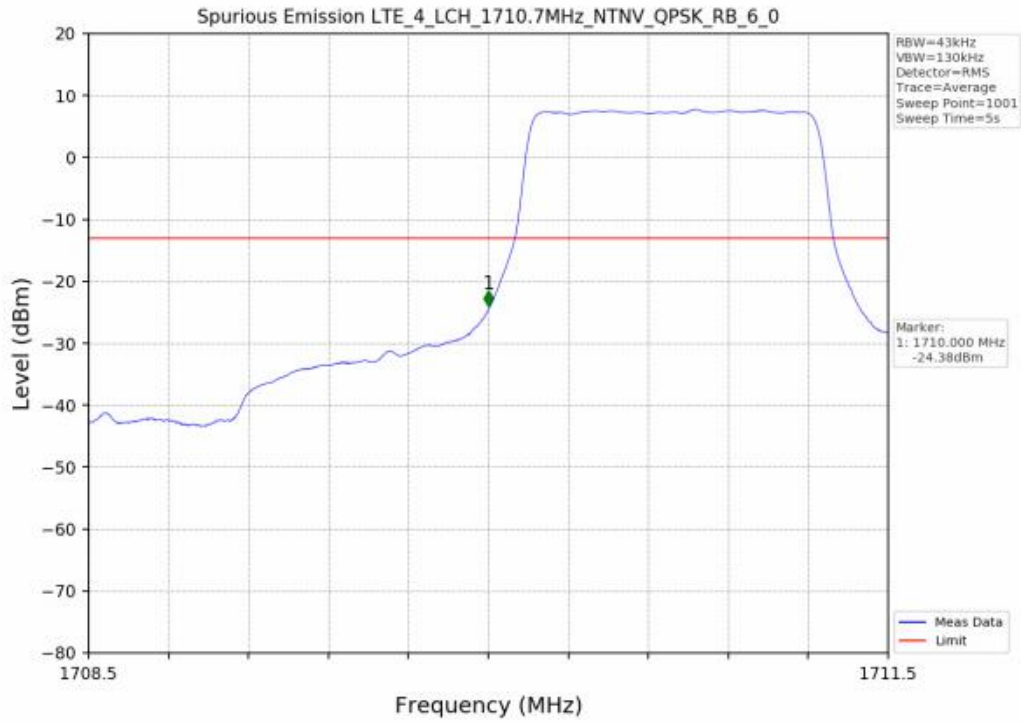


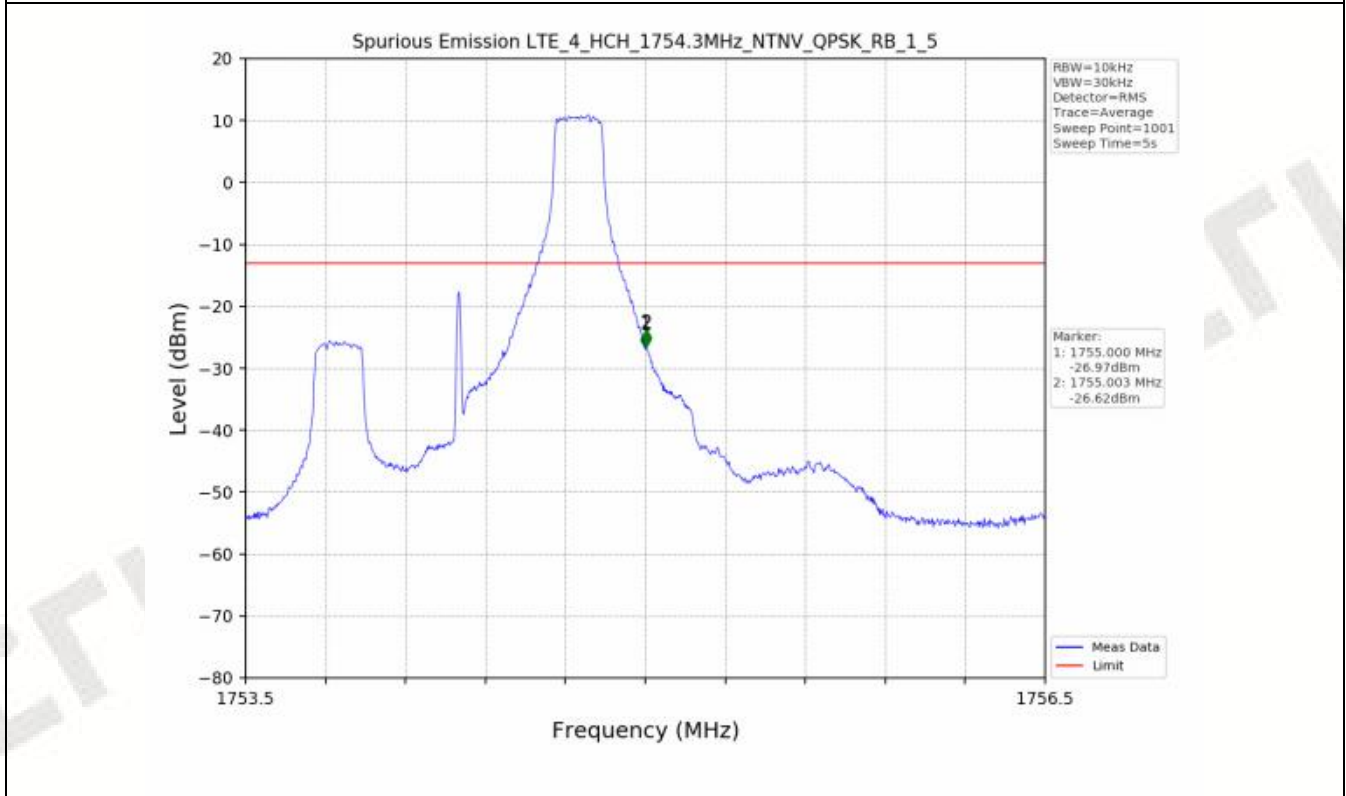
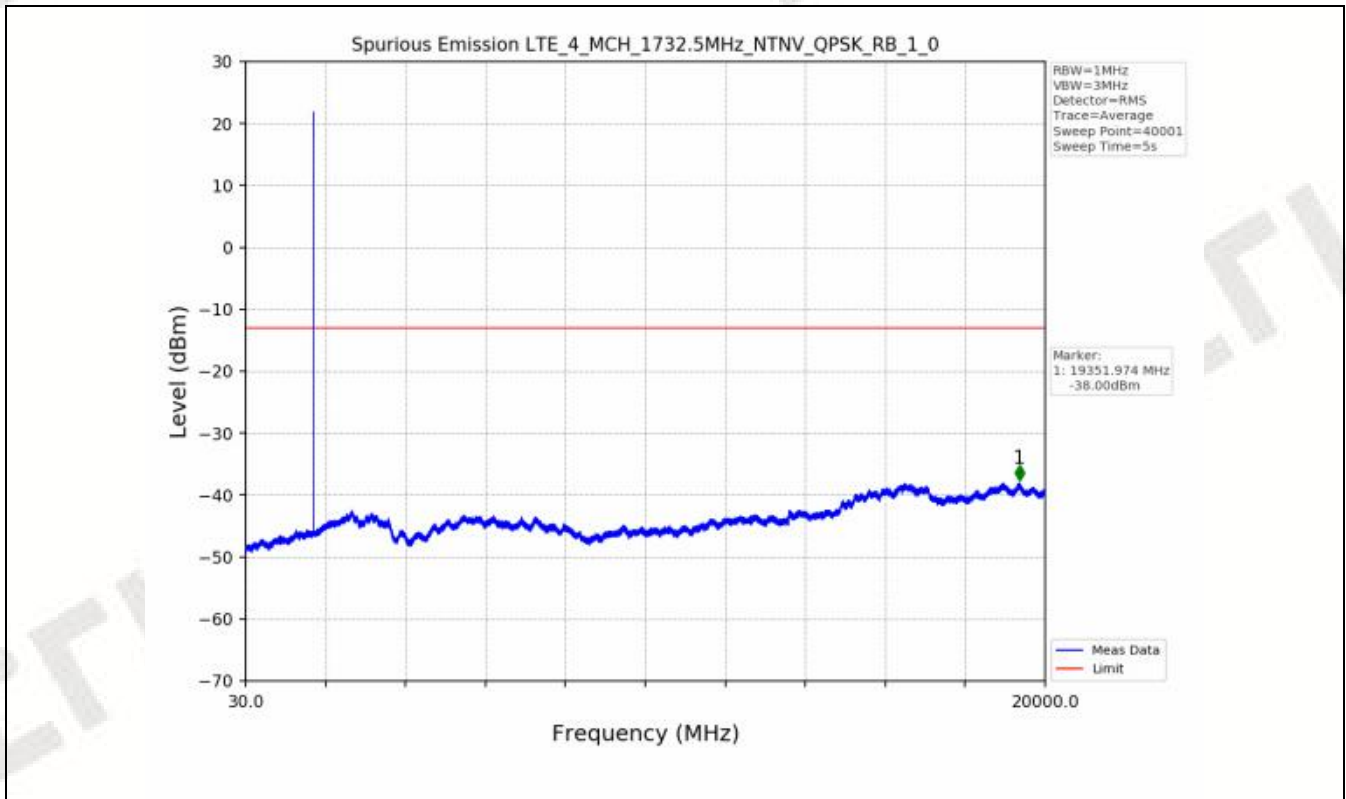


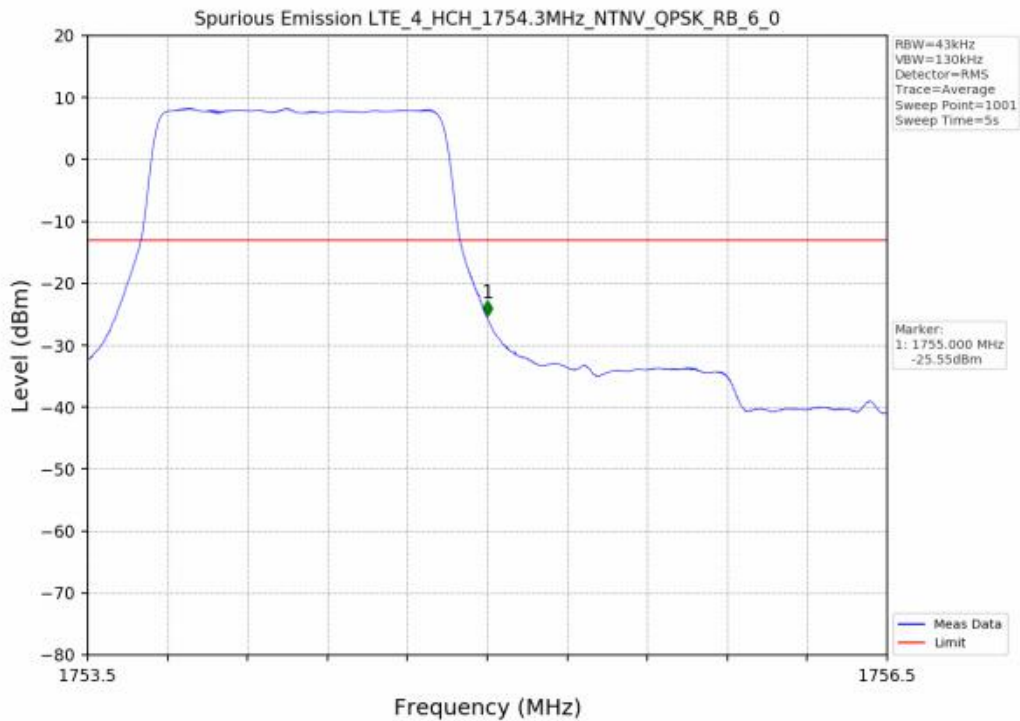
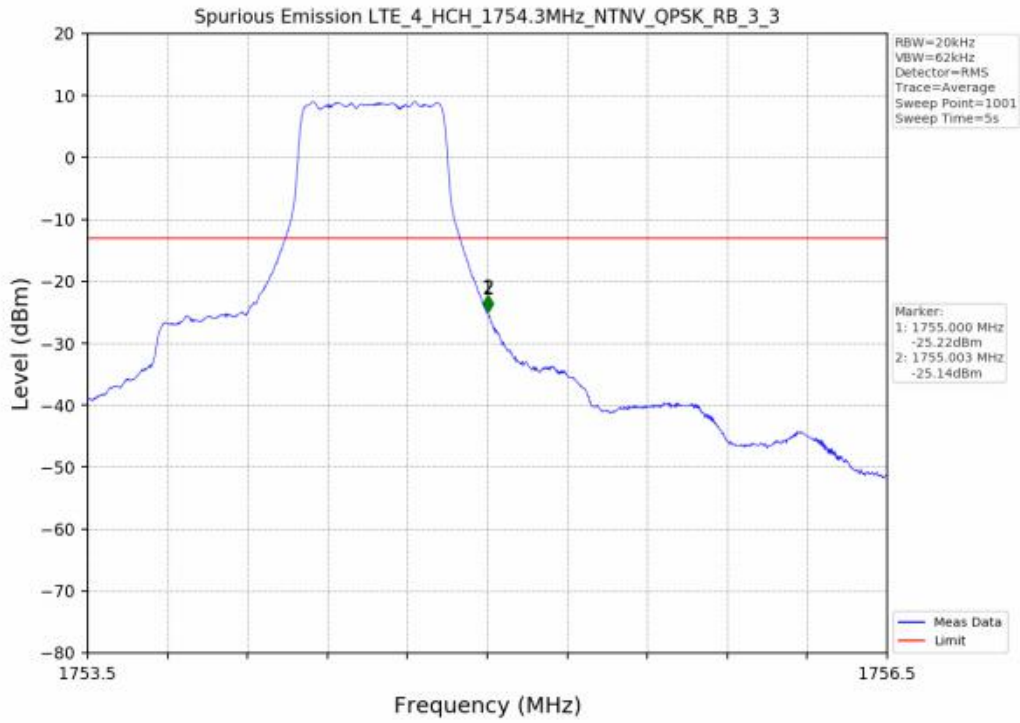


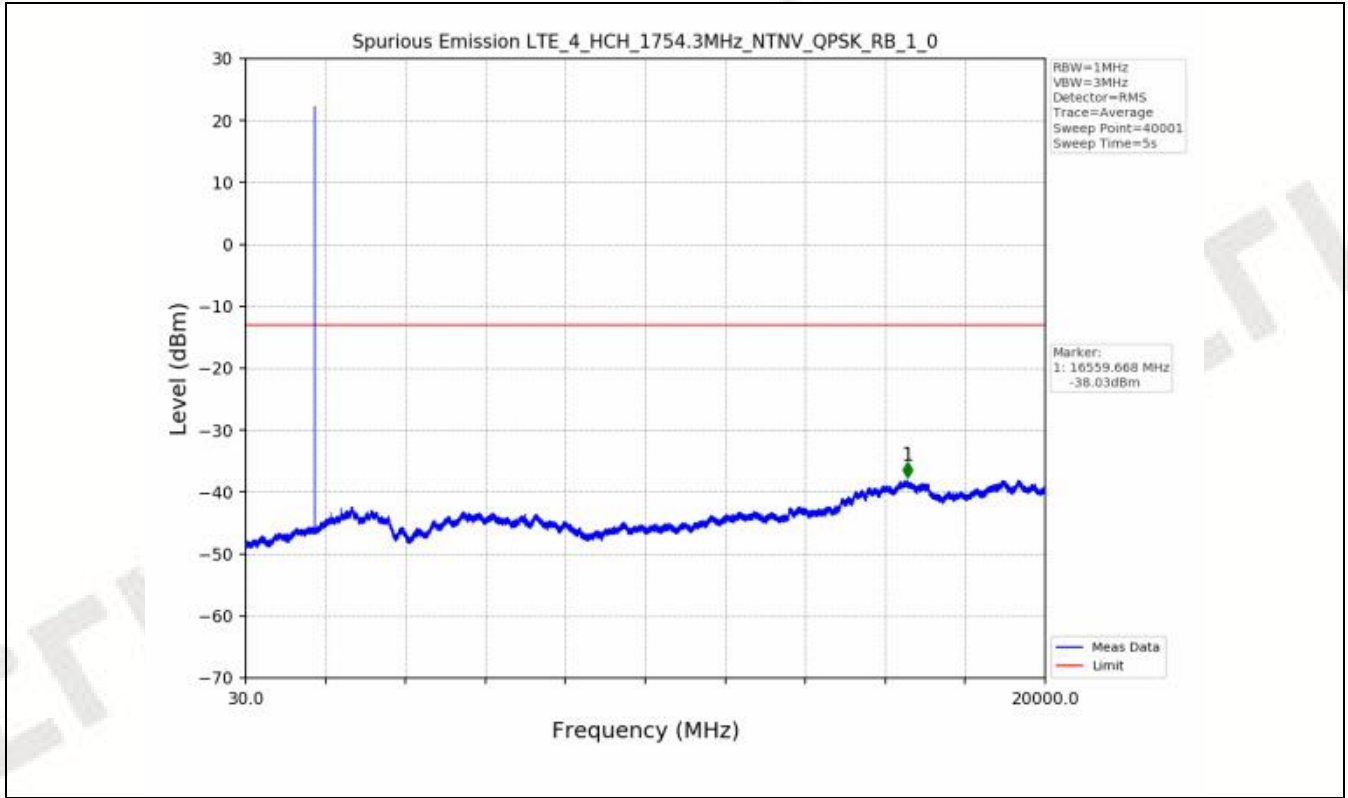




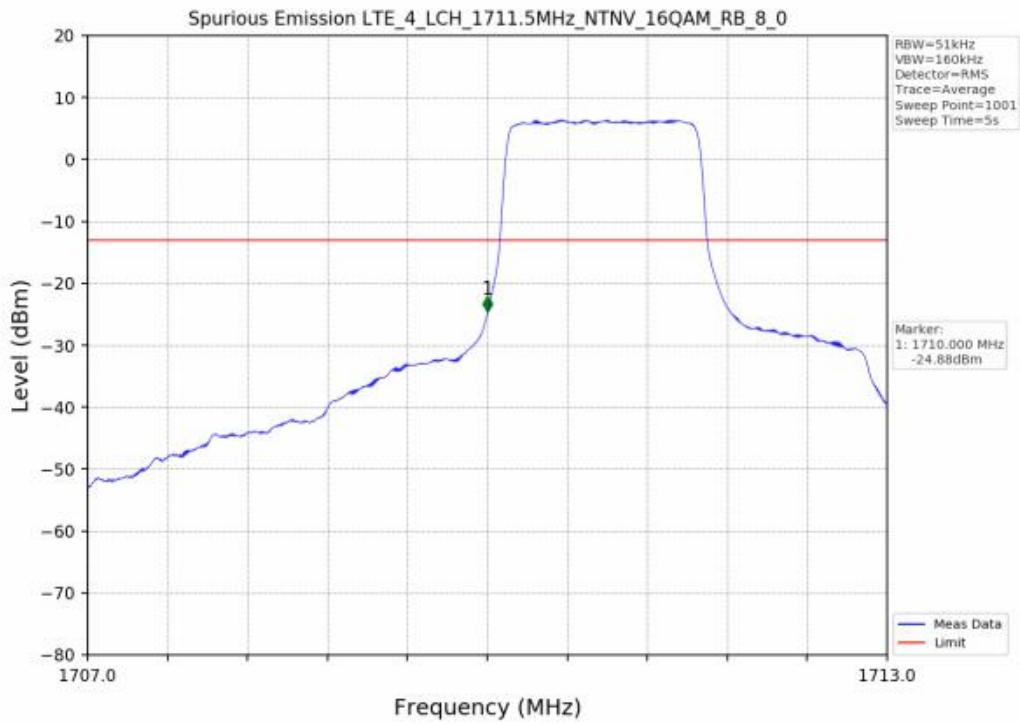
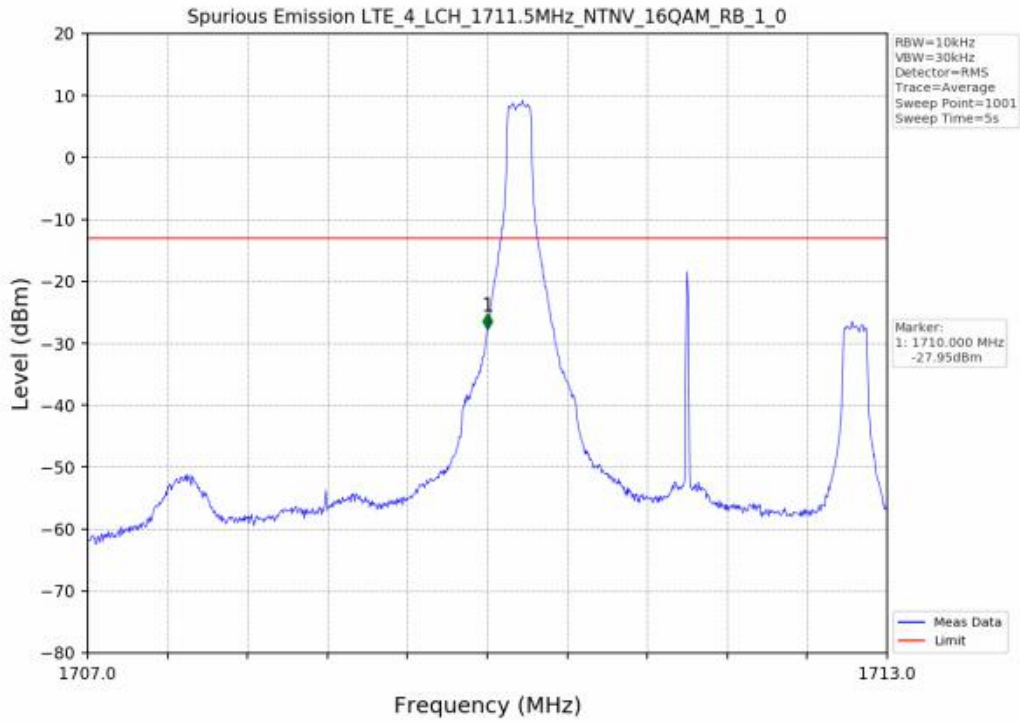


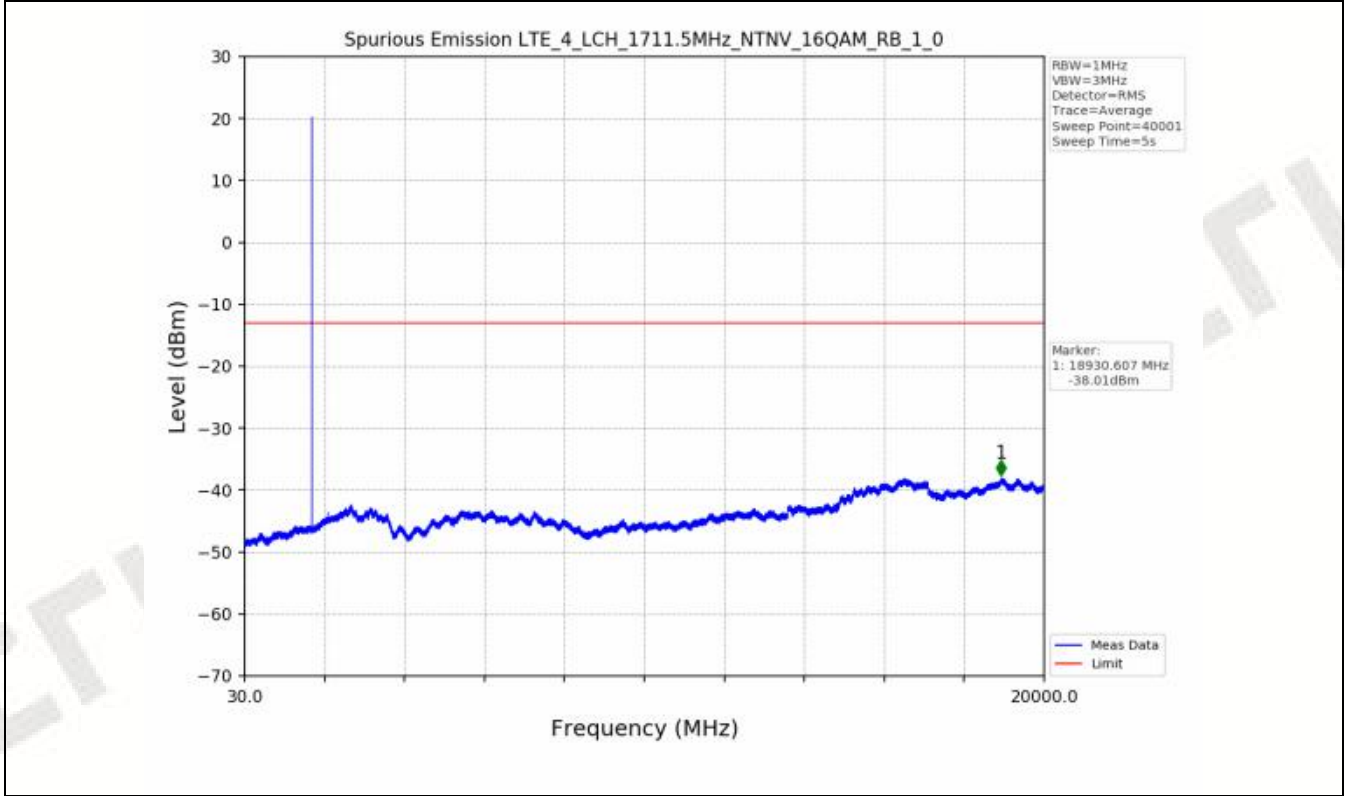
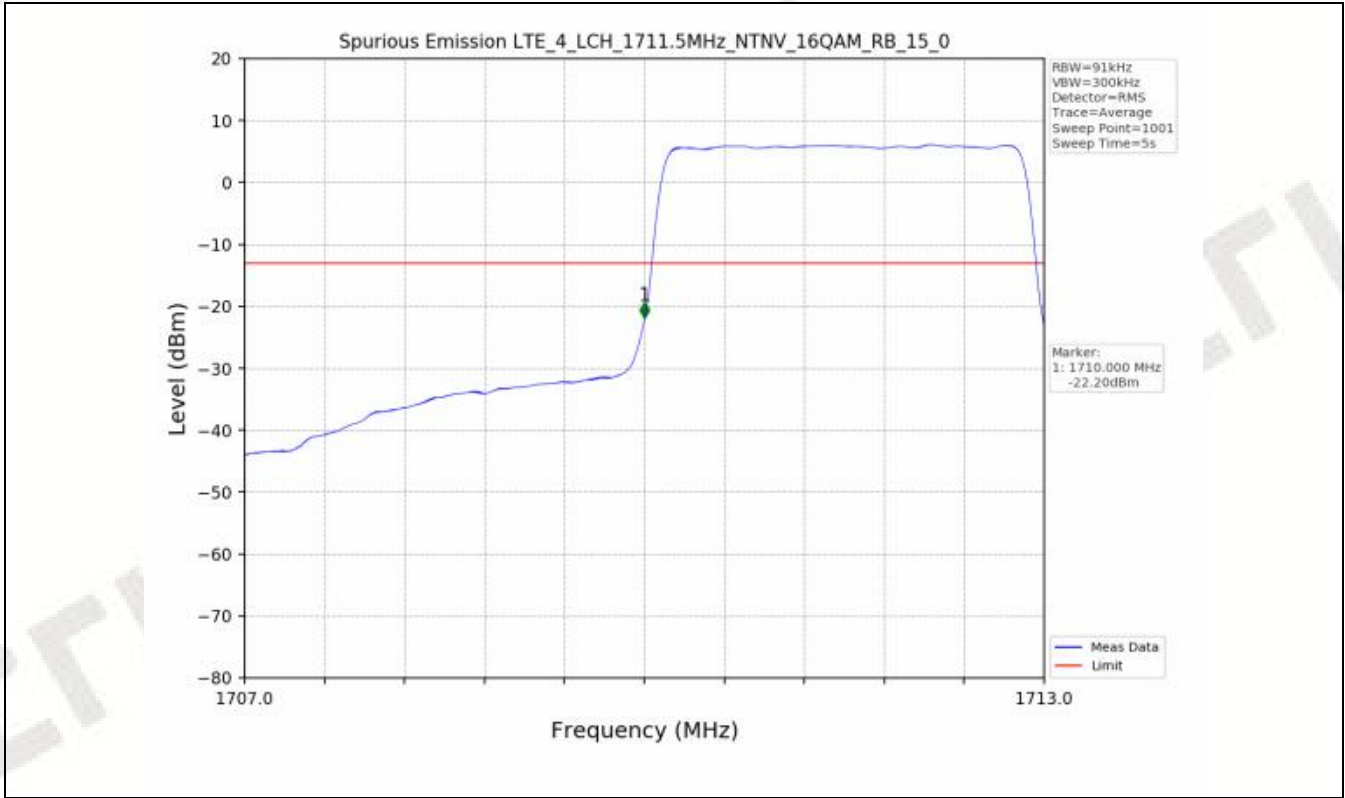


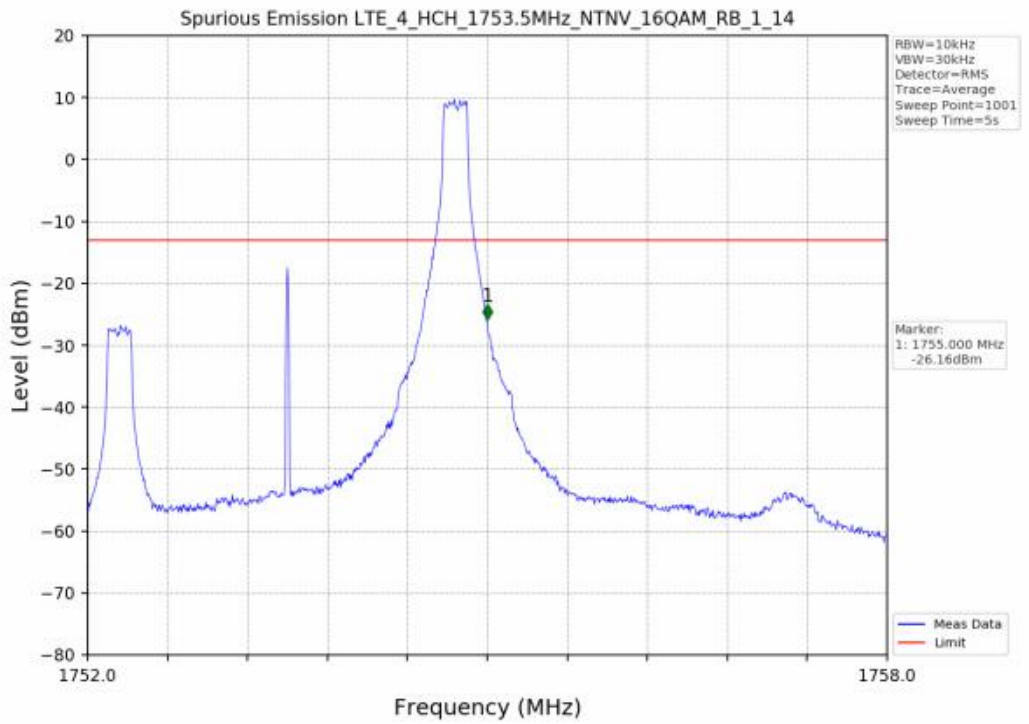
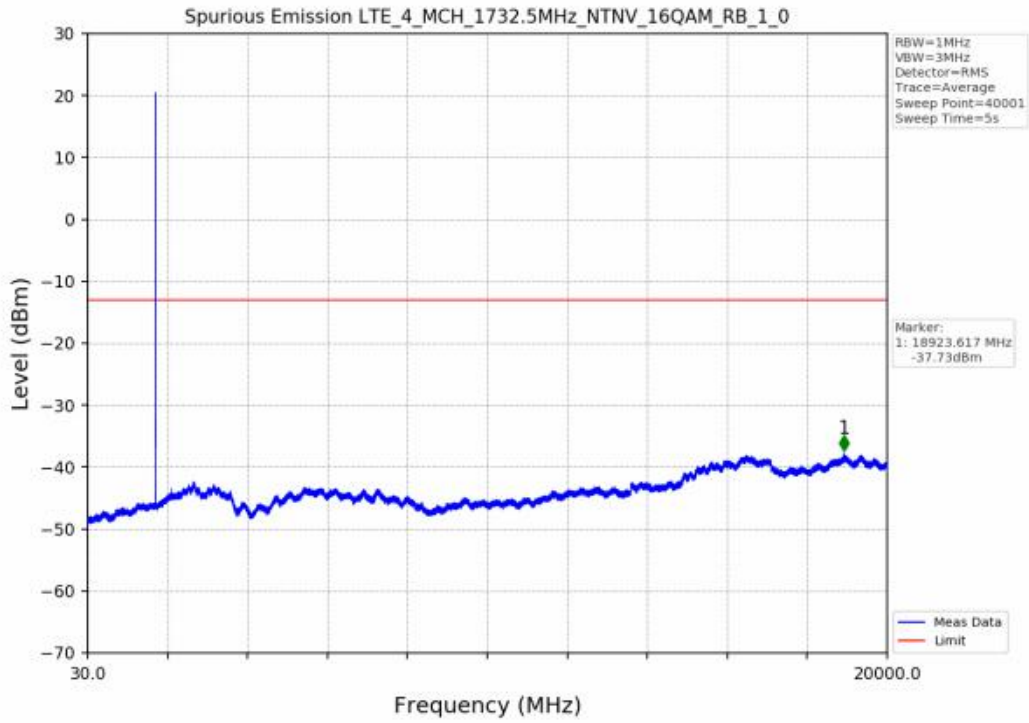


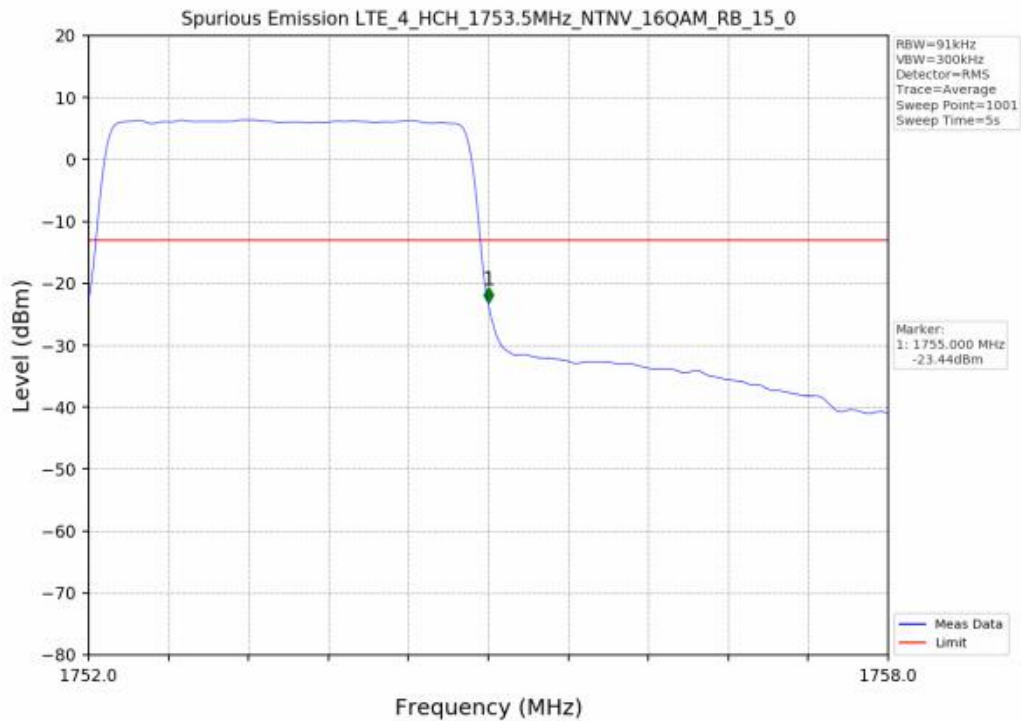
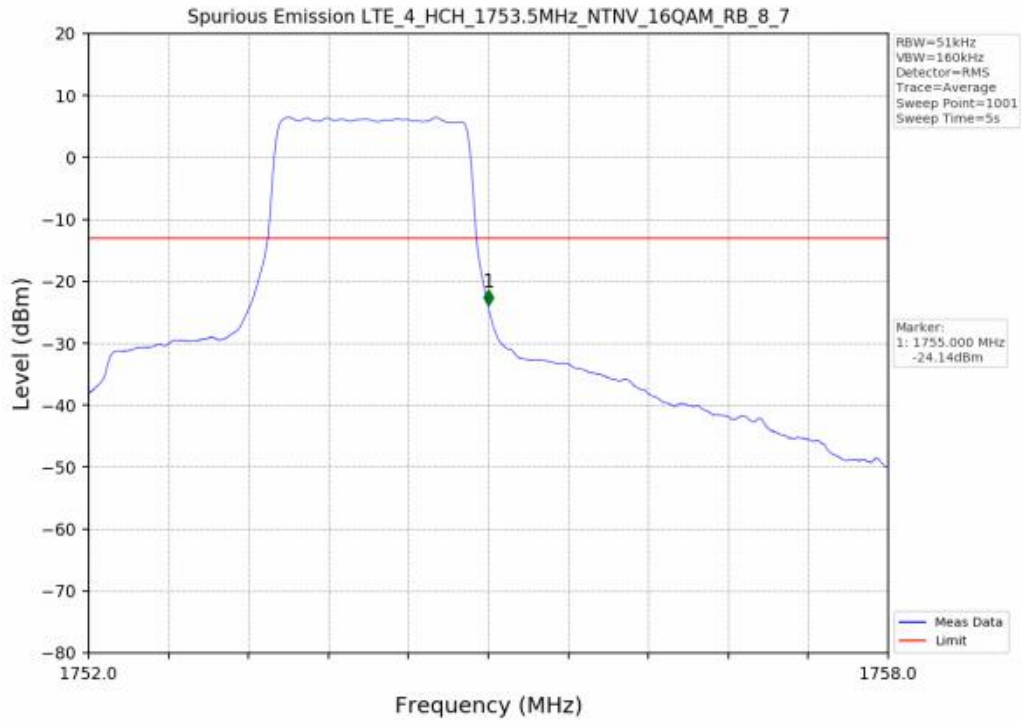


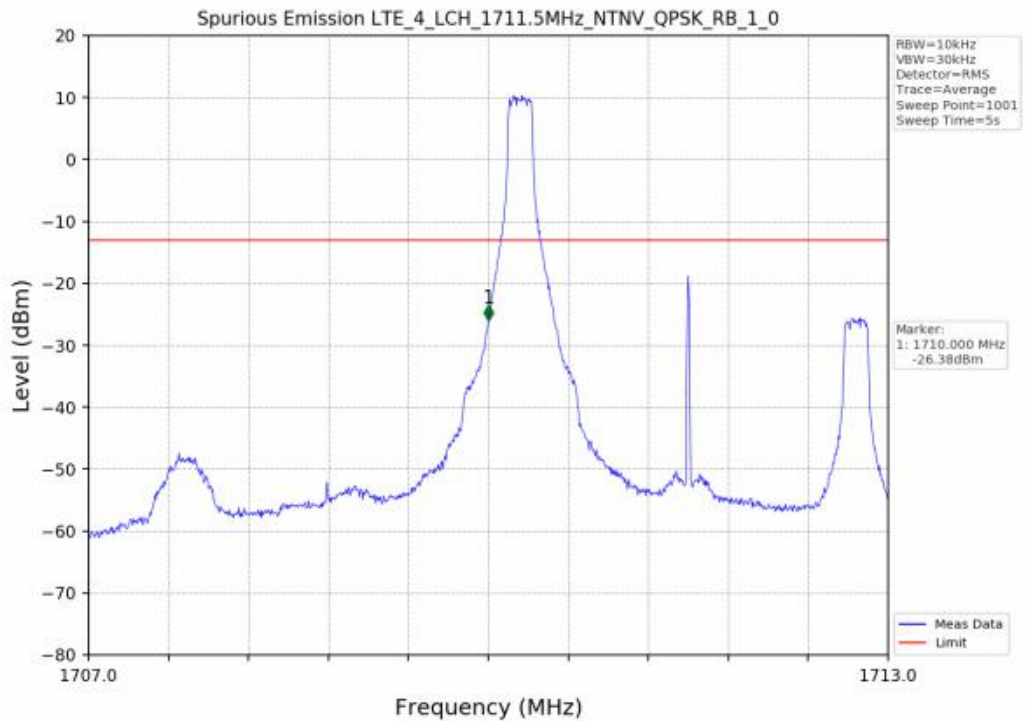
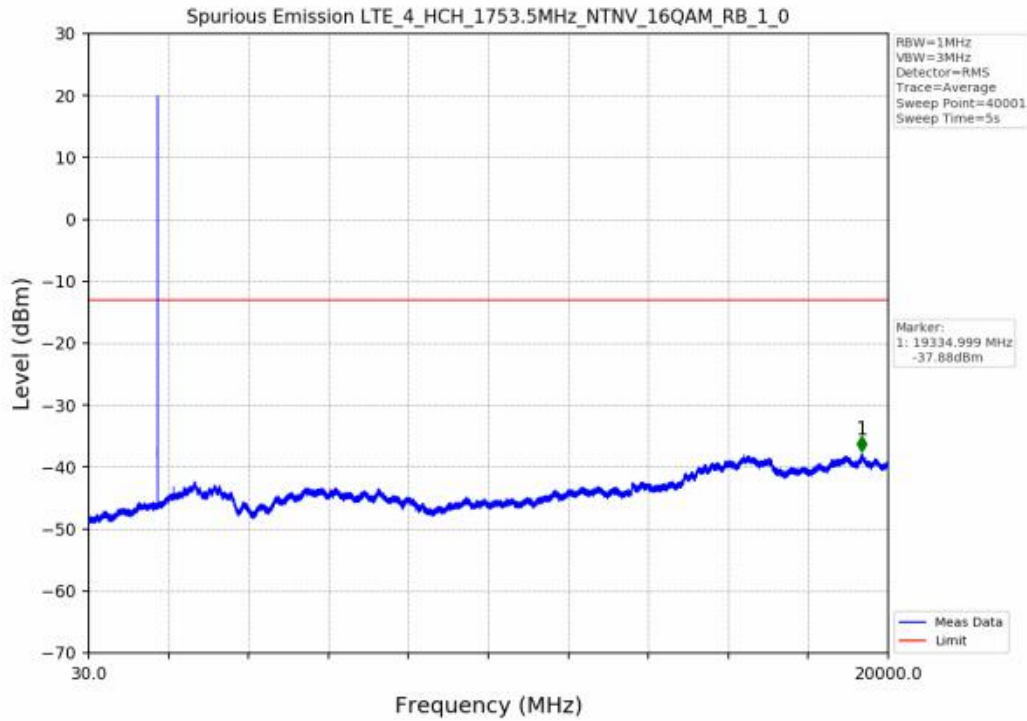
6.1 Test Graph

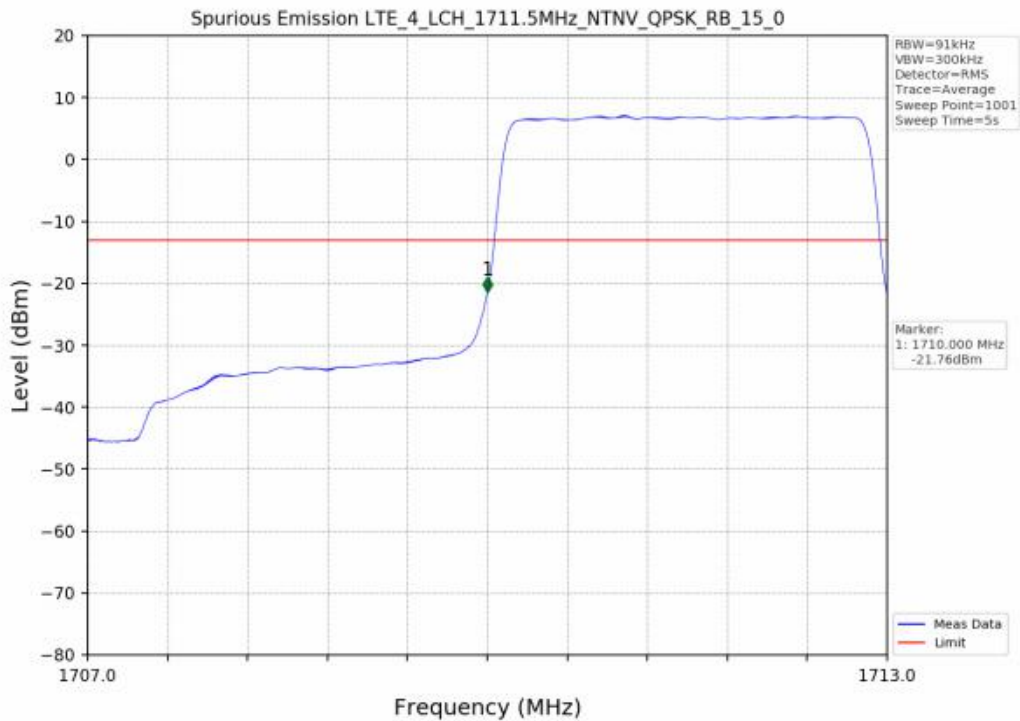
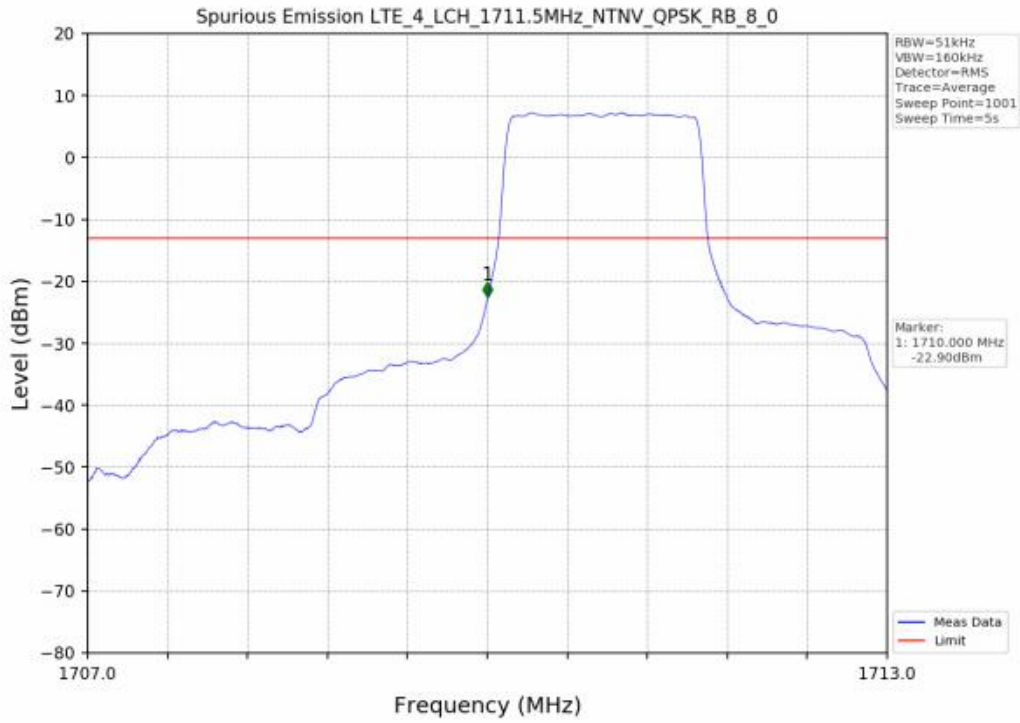


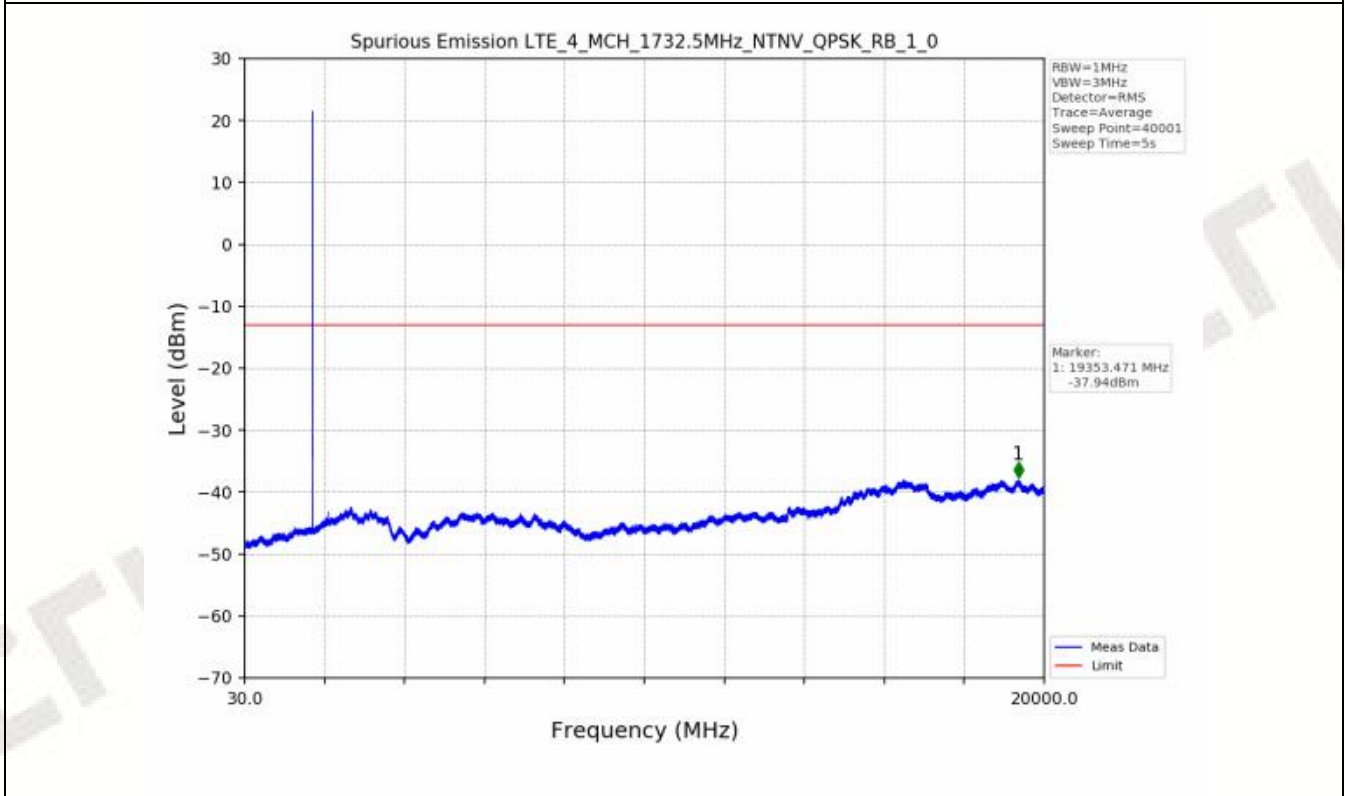
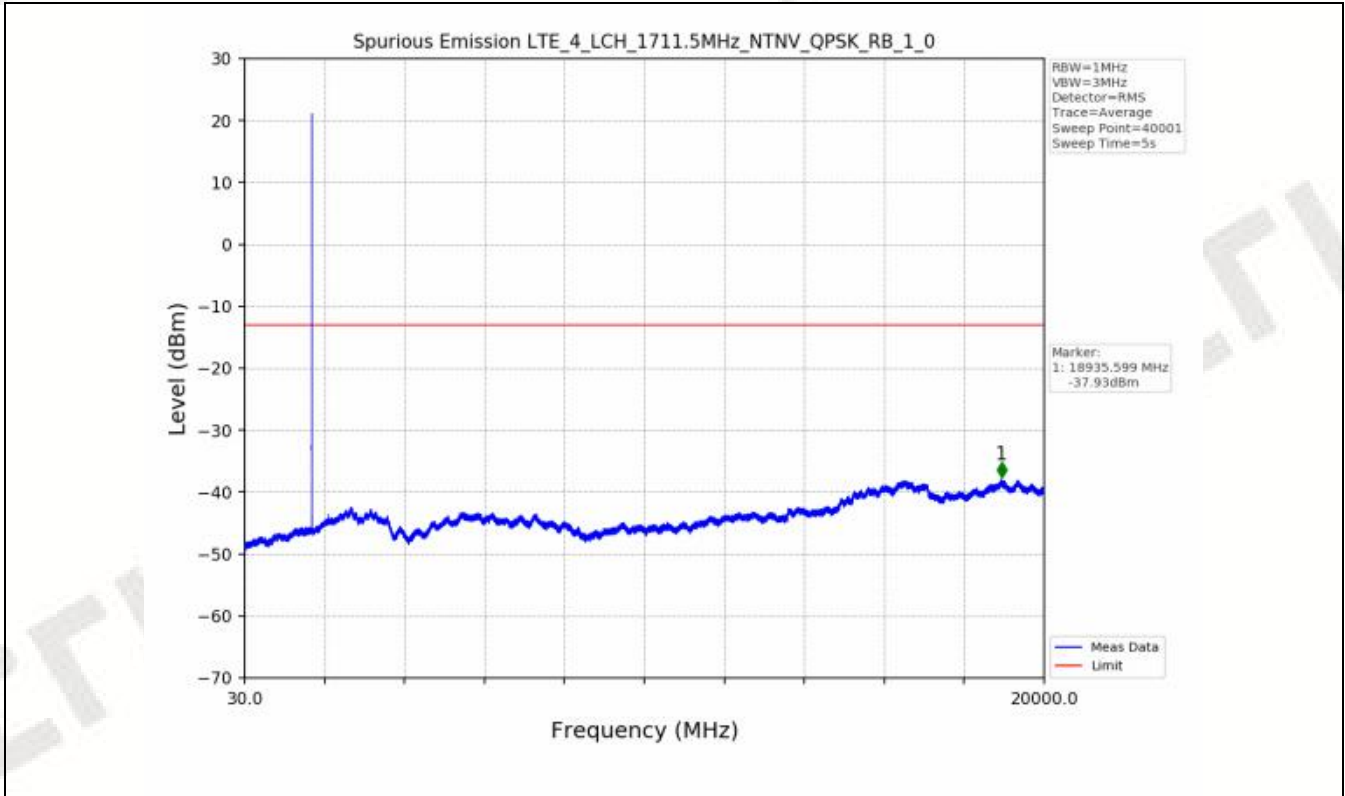


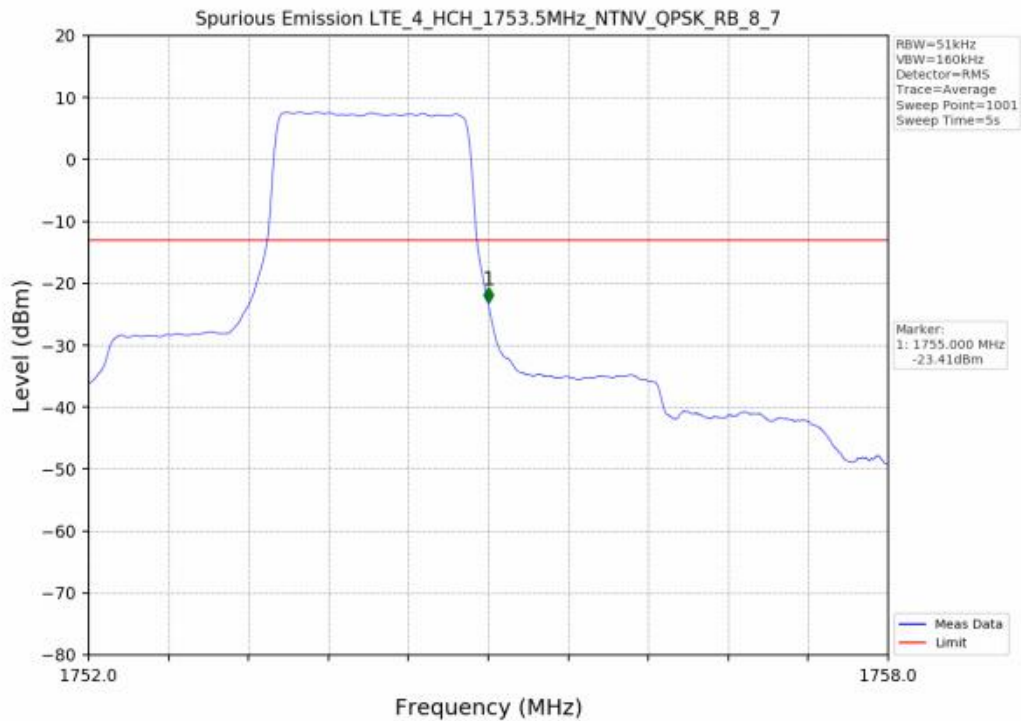
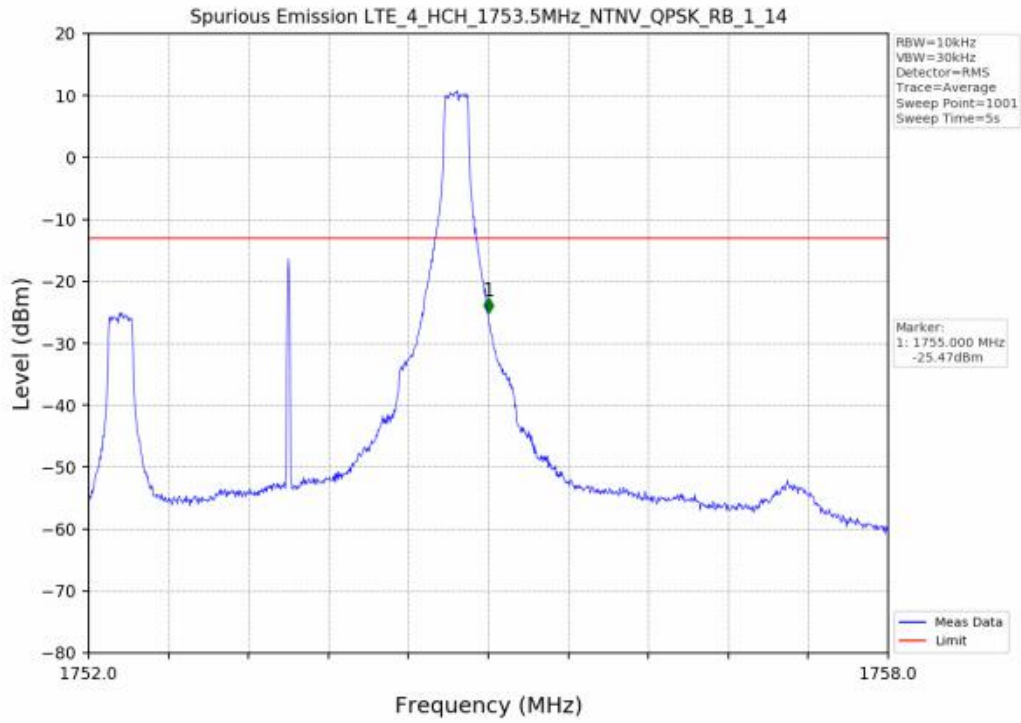


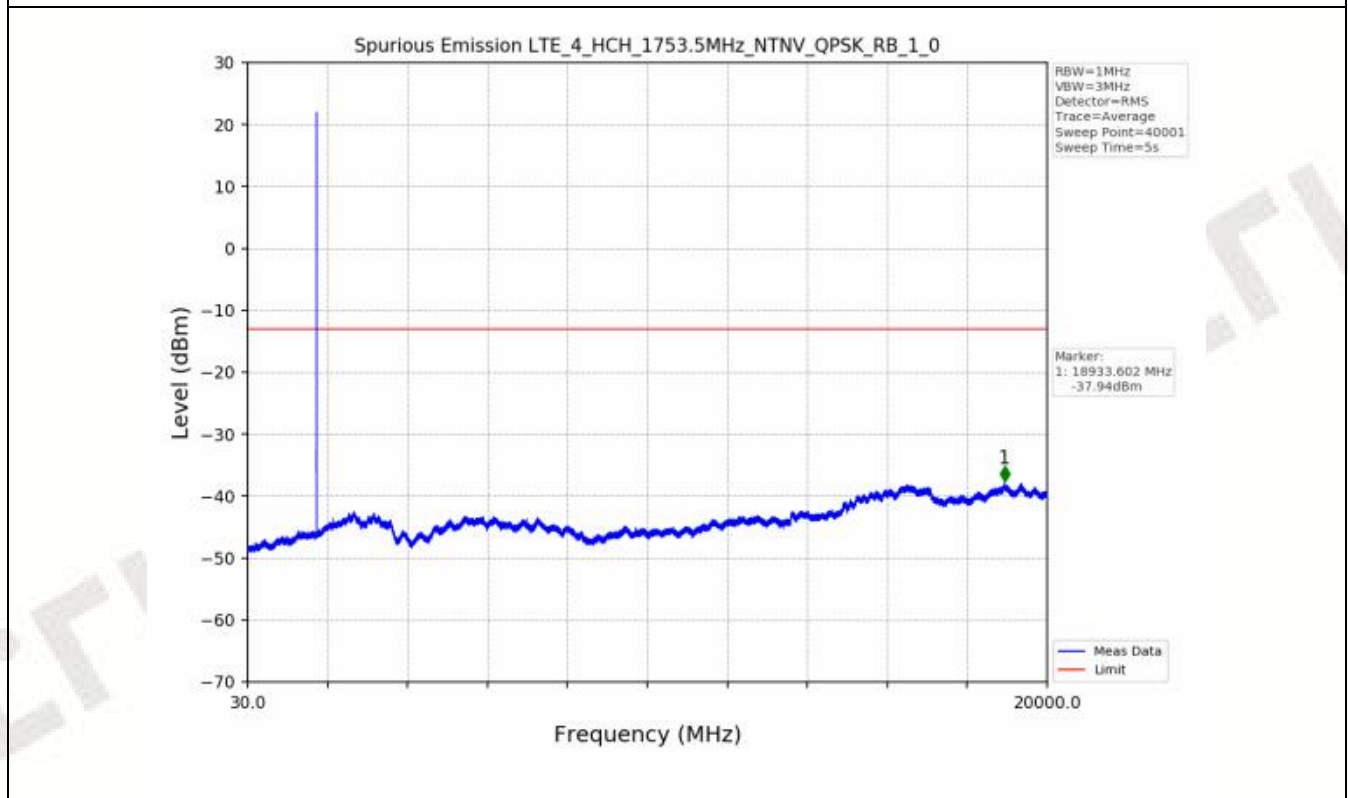
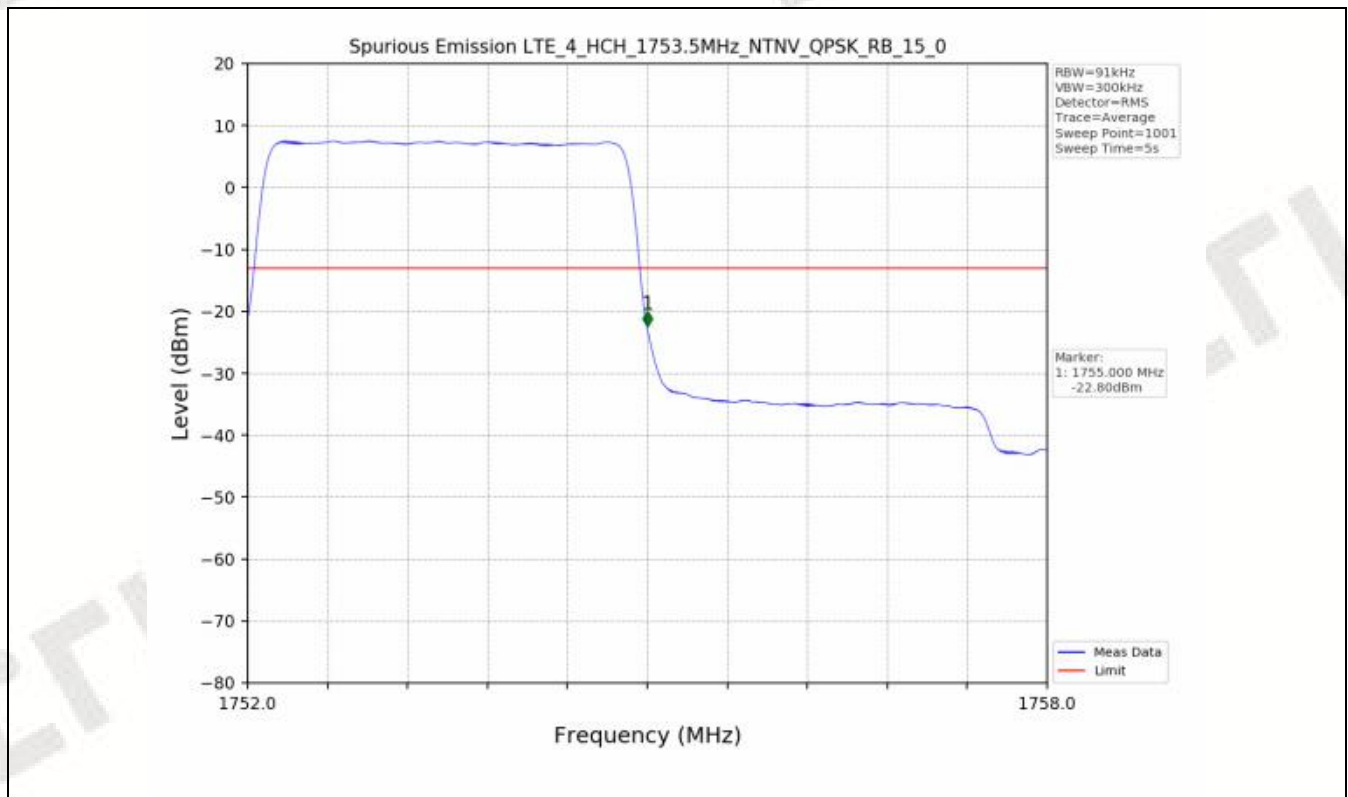




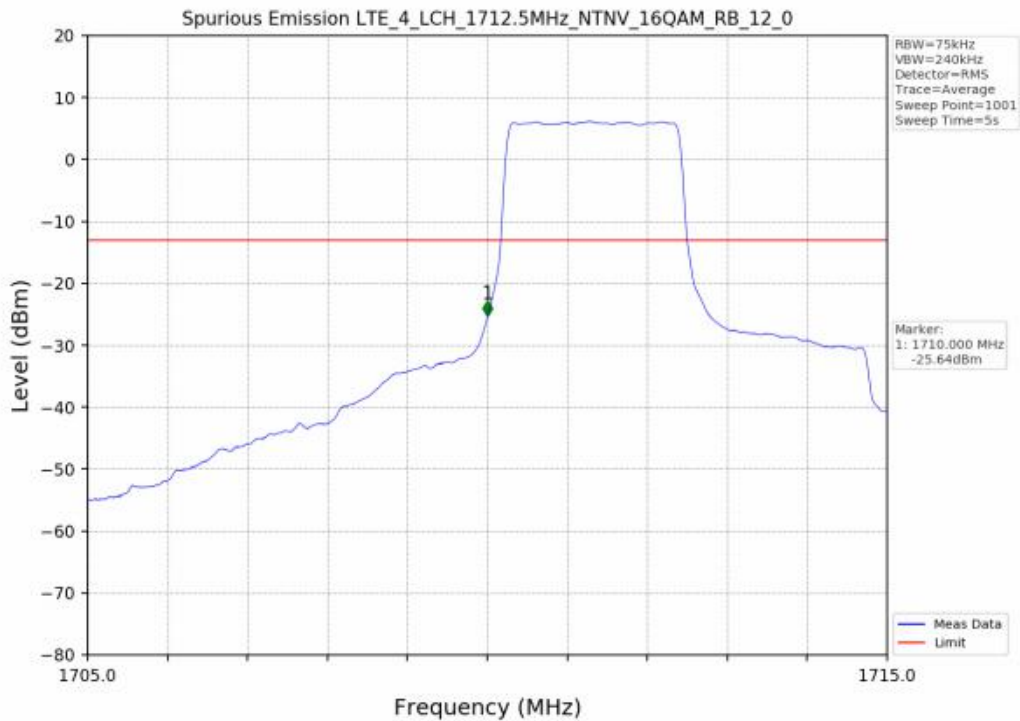
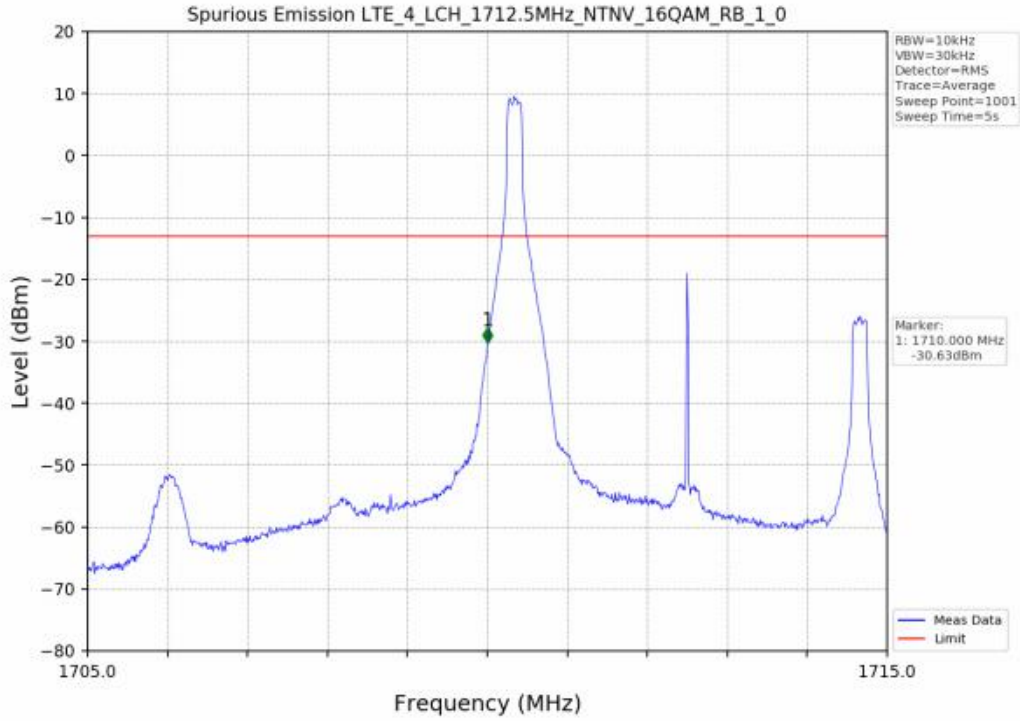


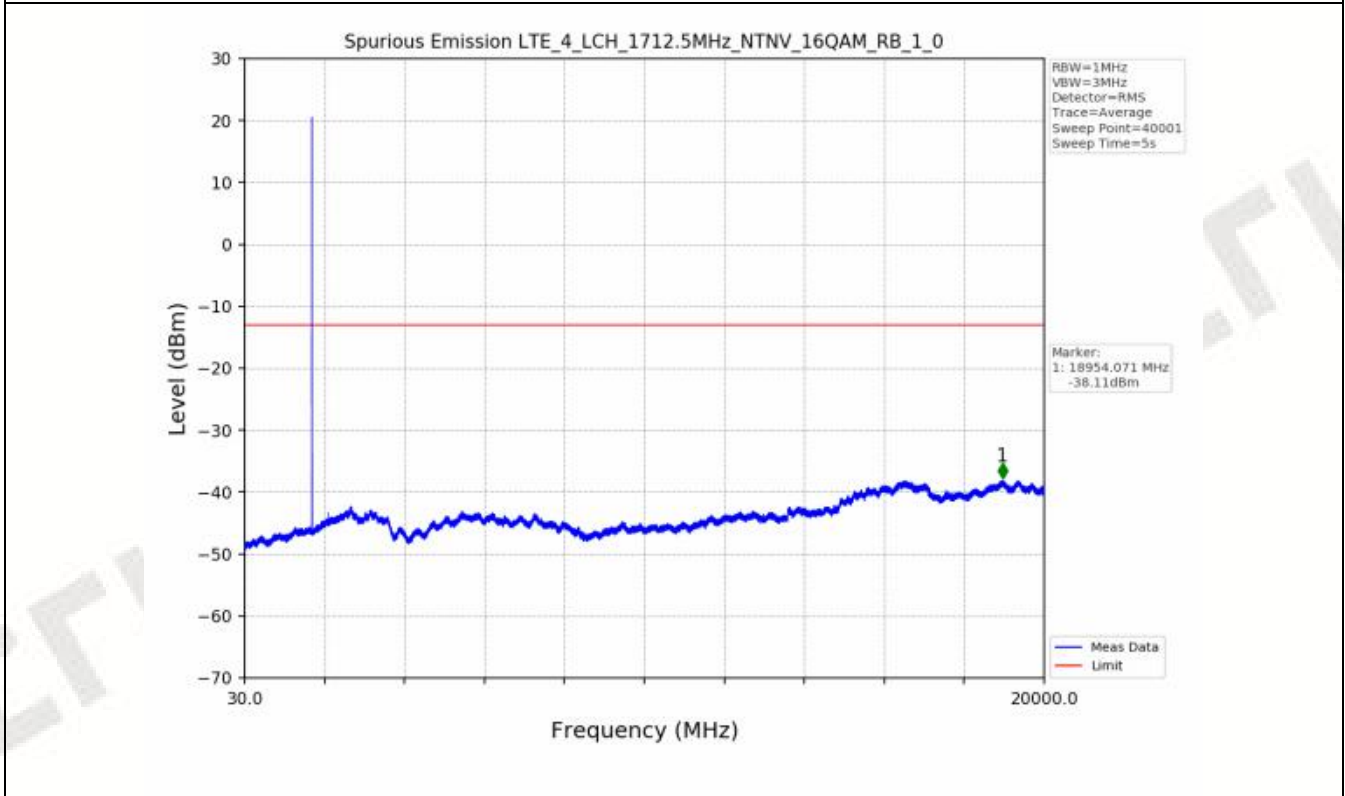
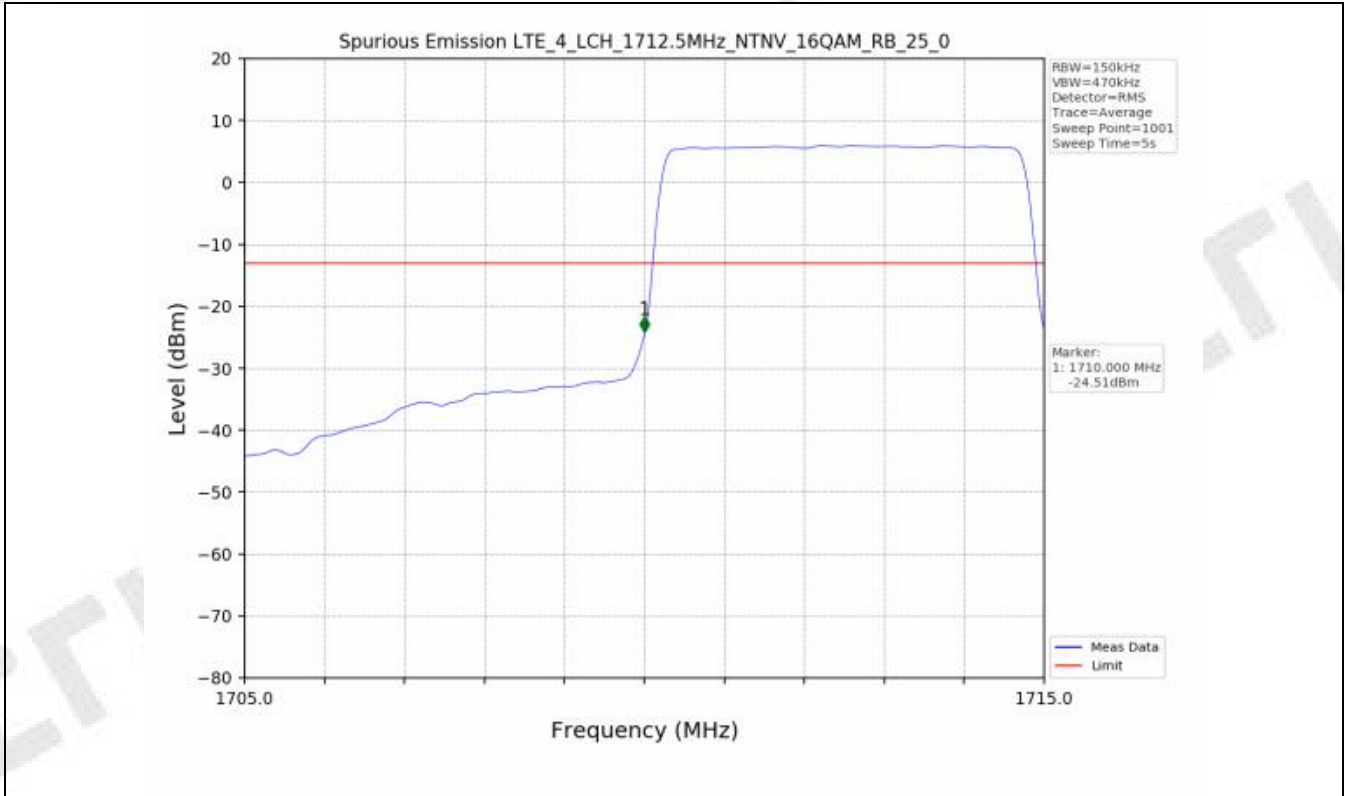


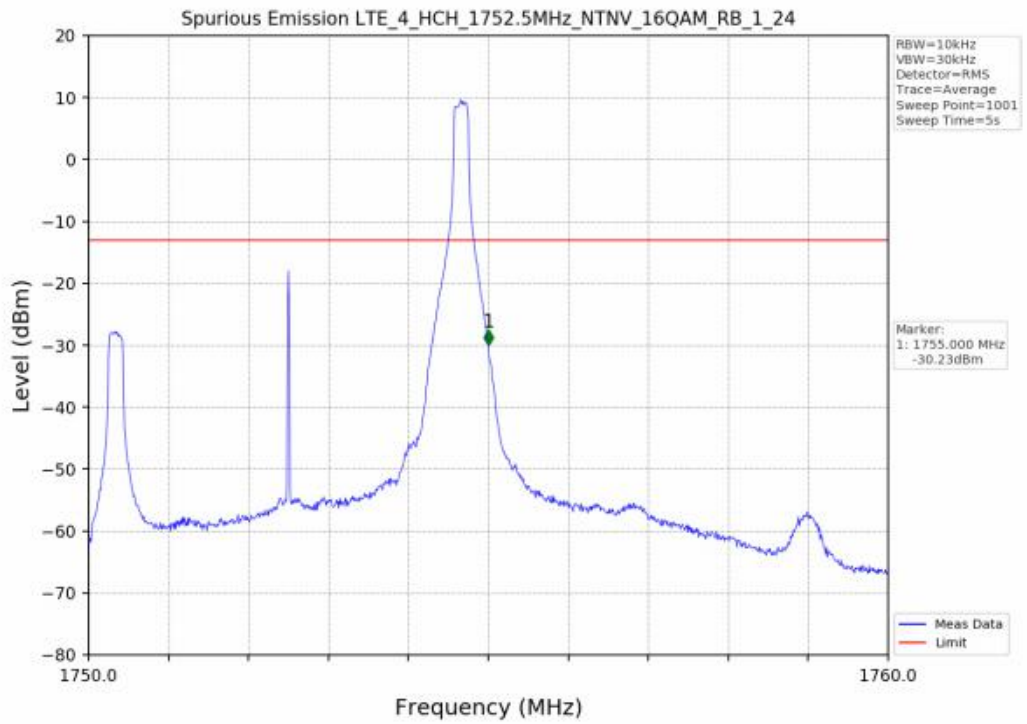
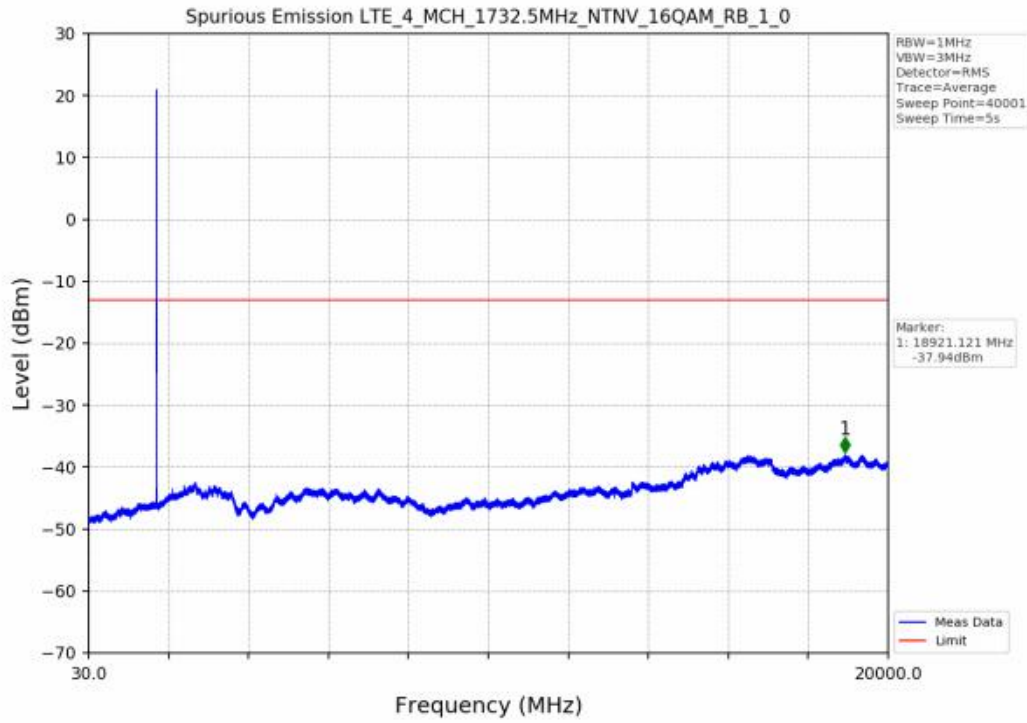


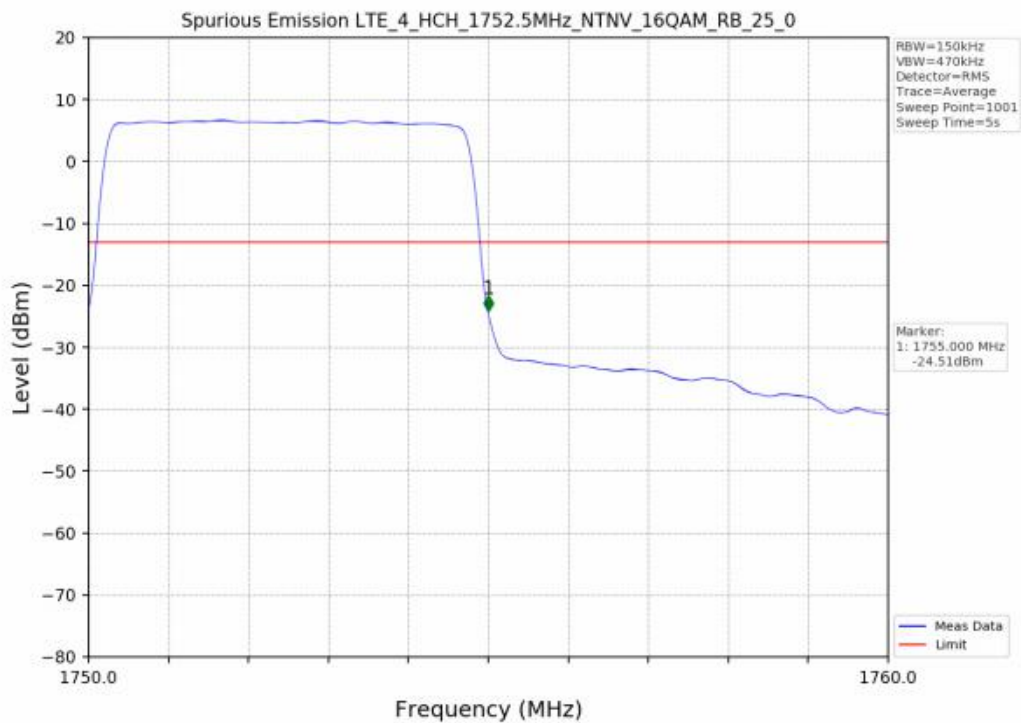
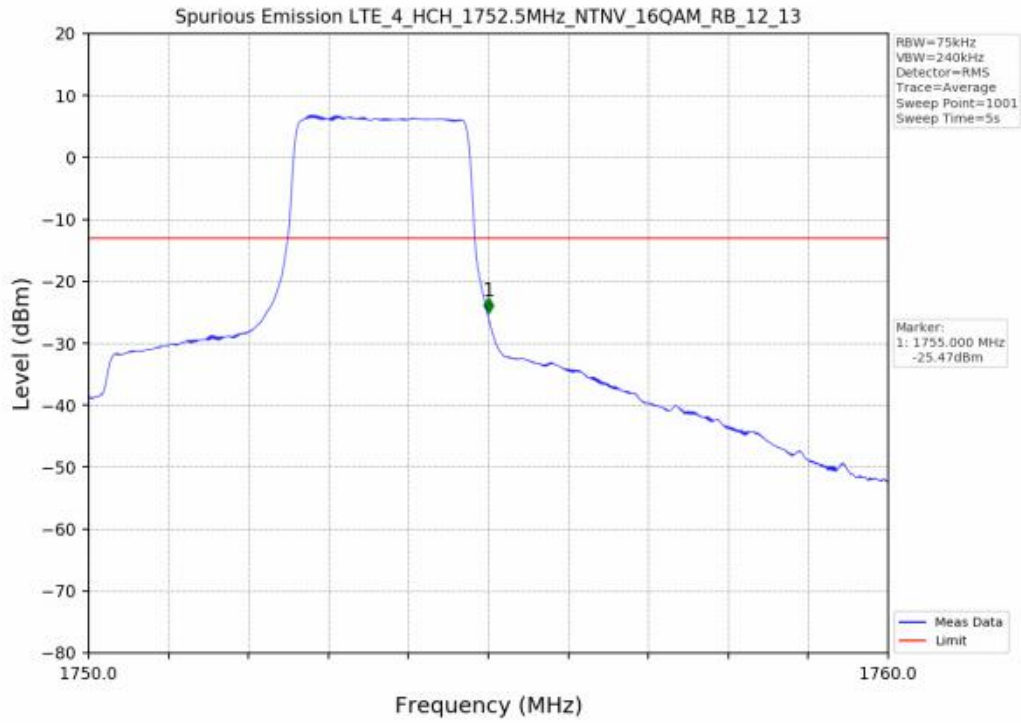


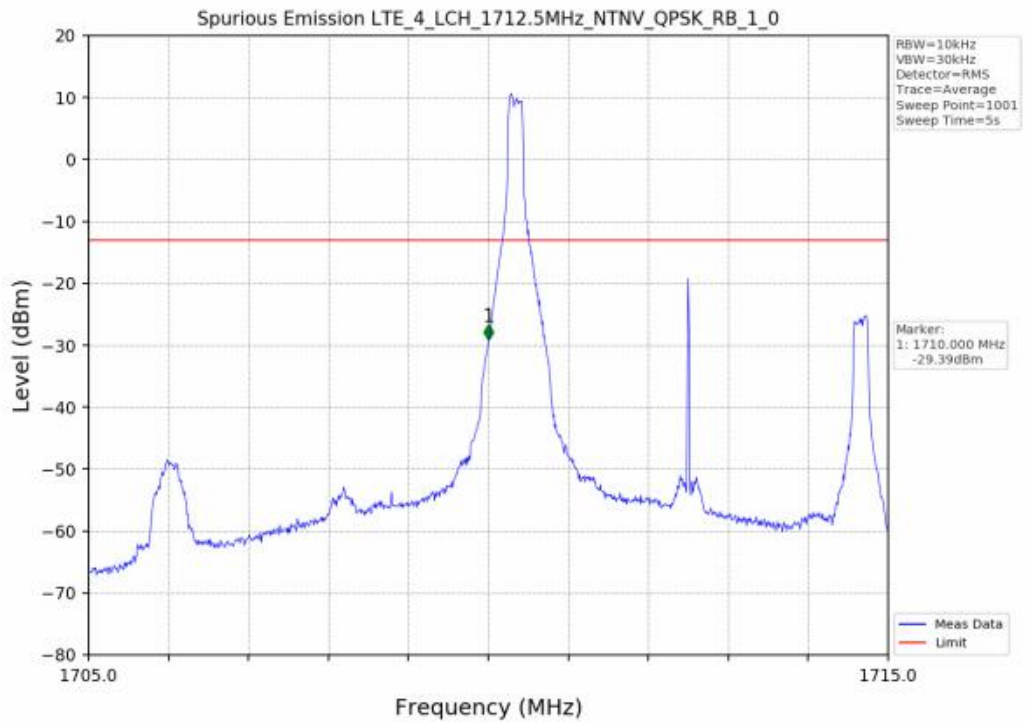
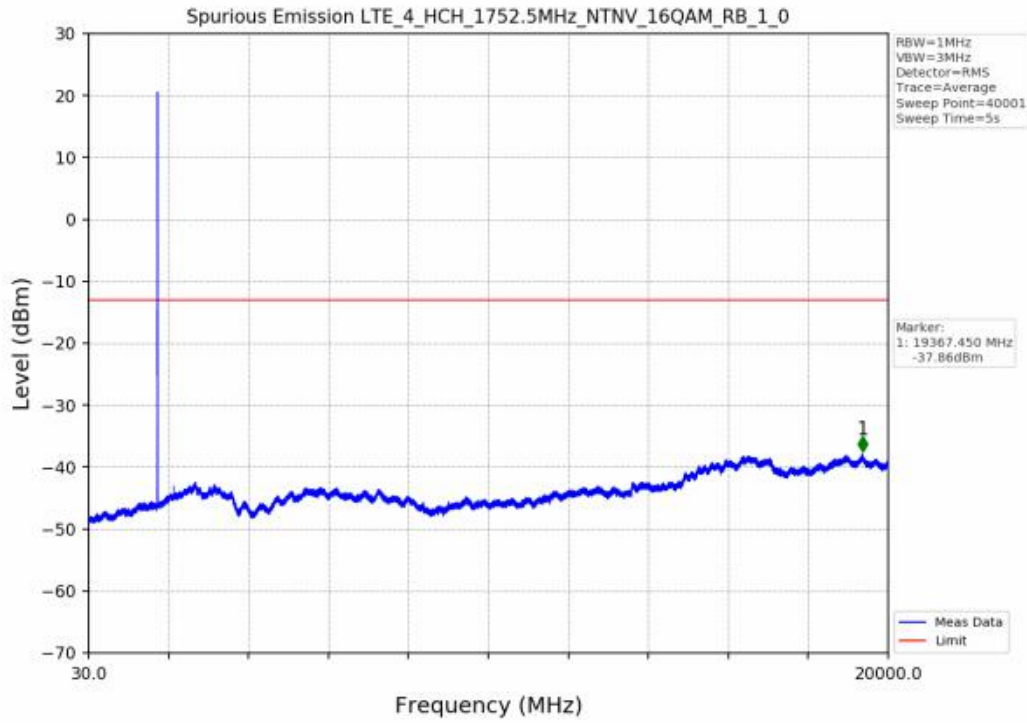
6.1 Test Graph

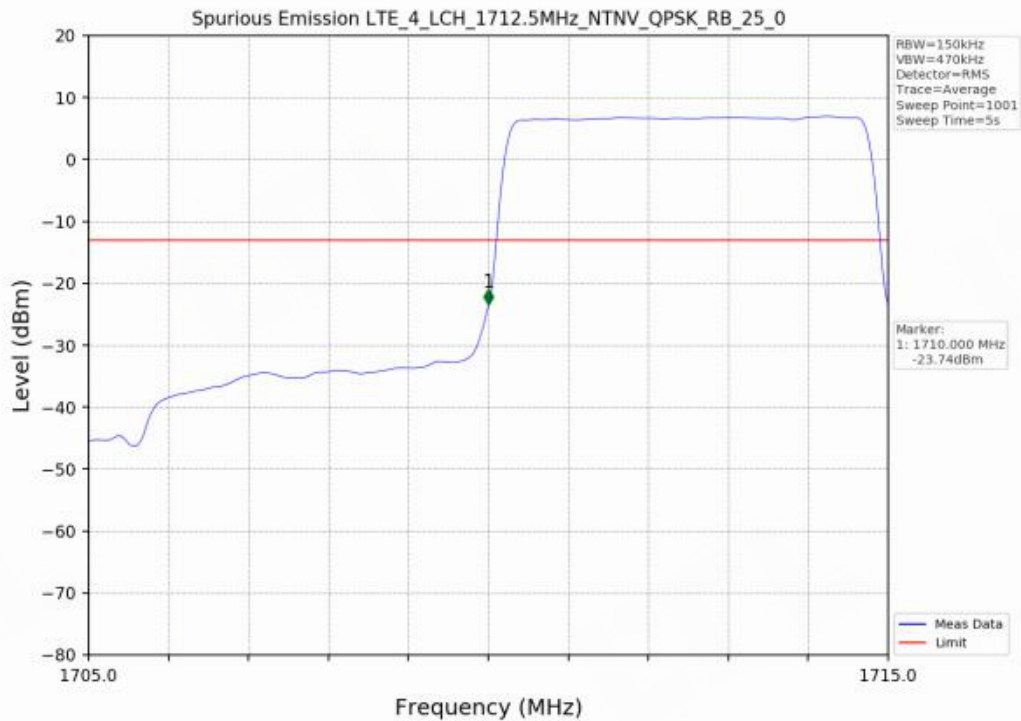
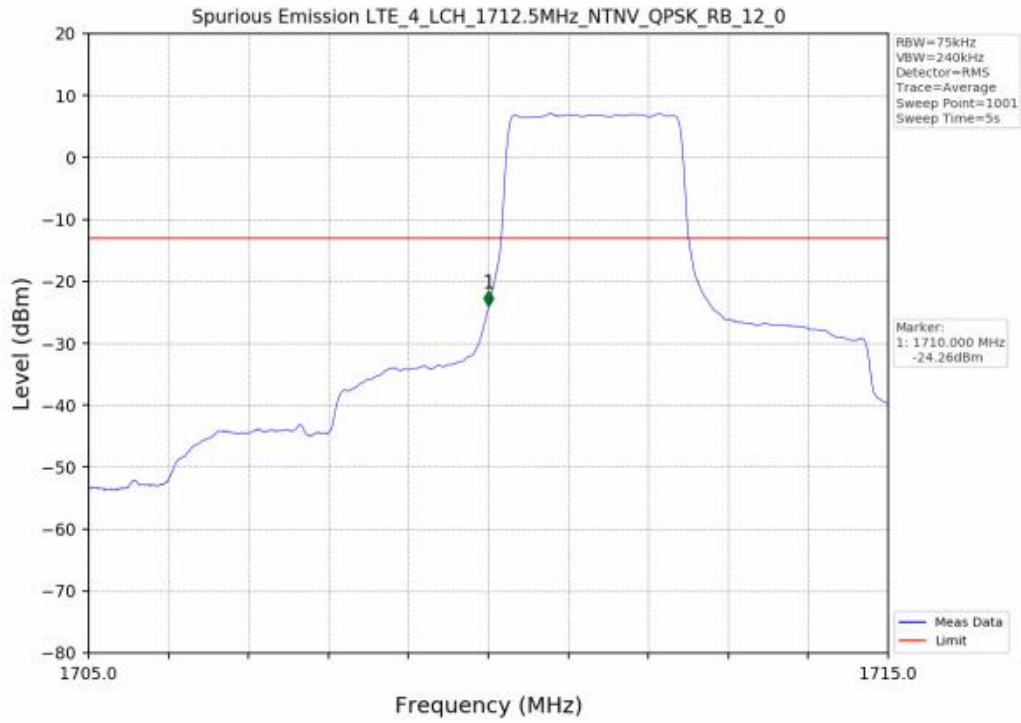


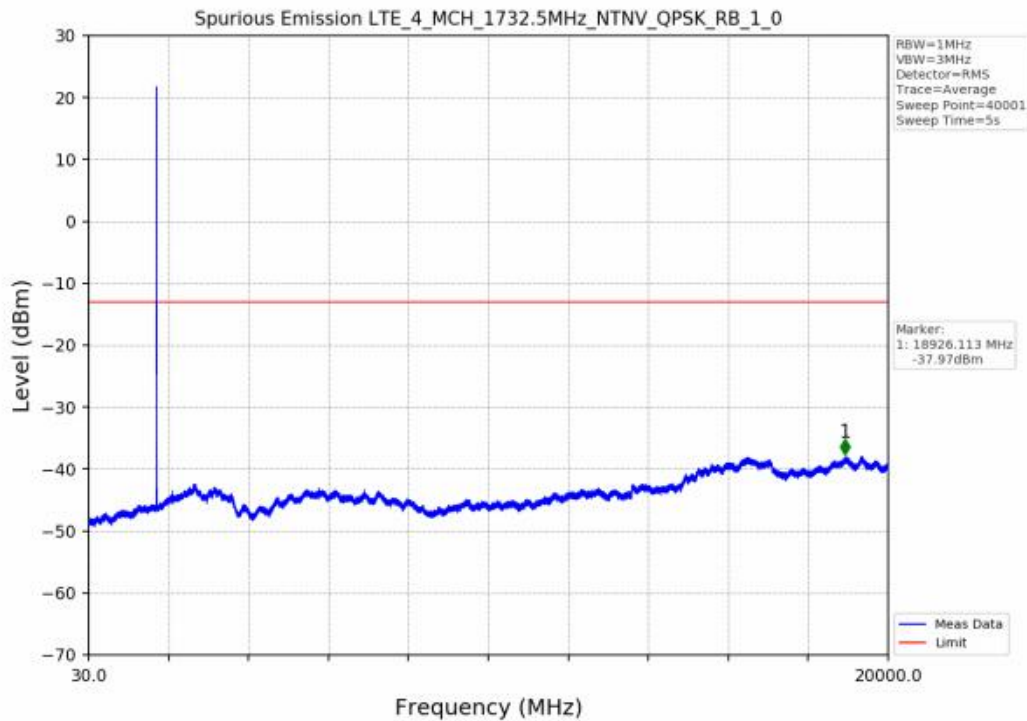
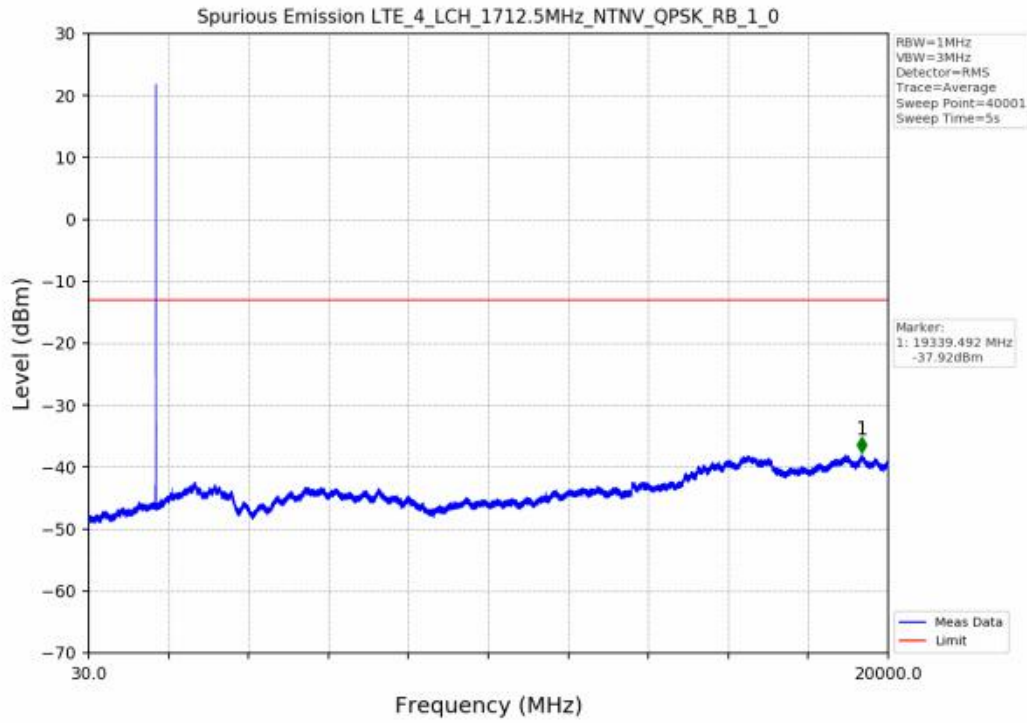


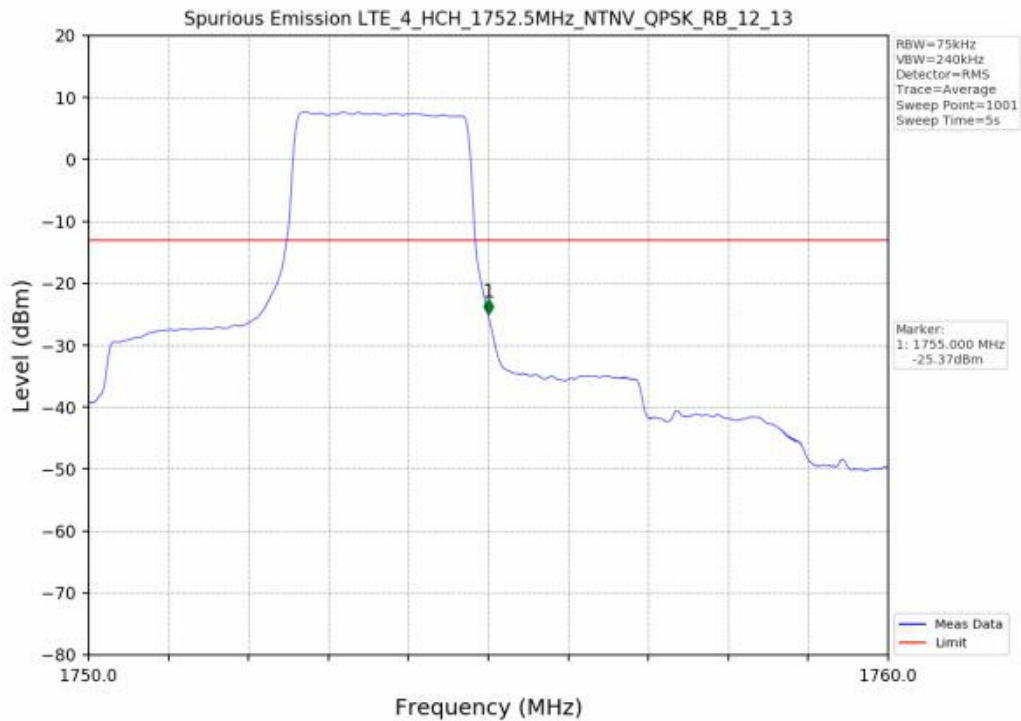
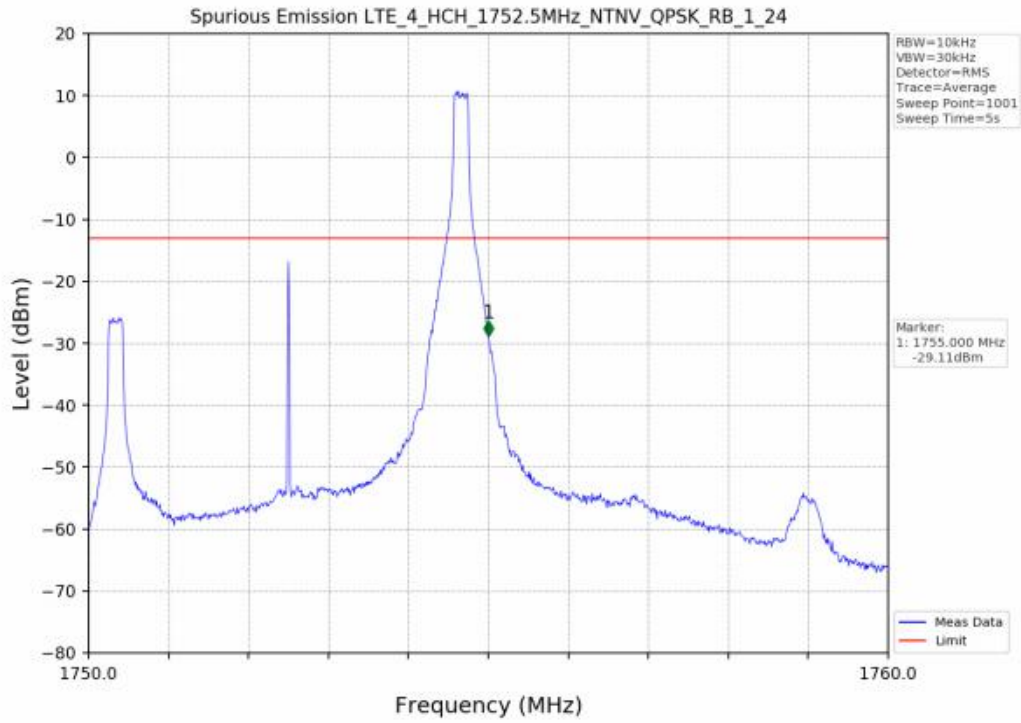


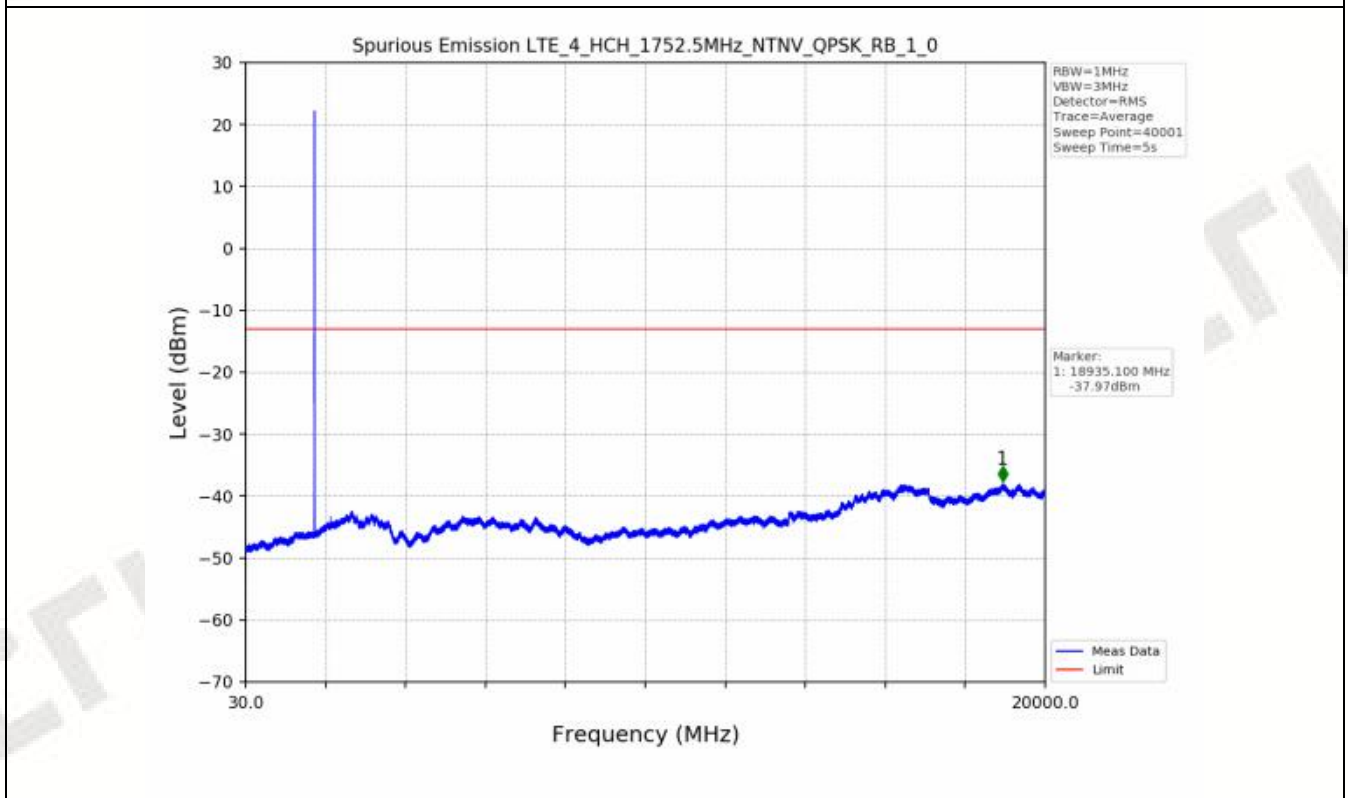
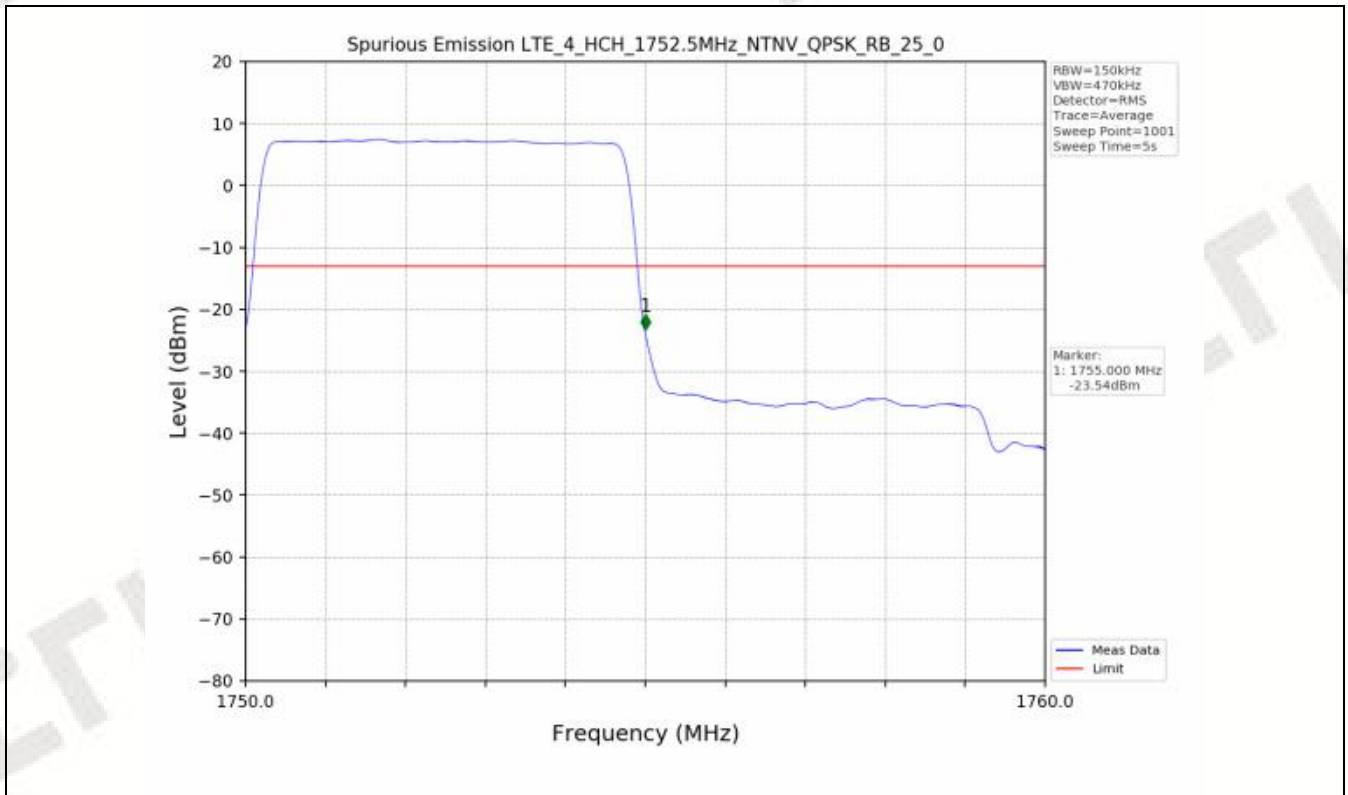




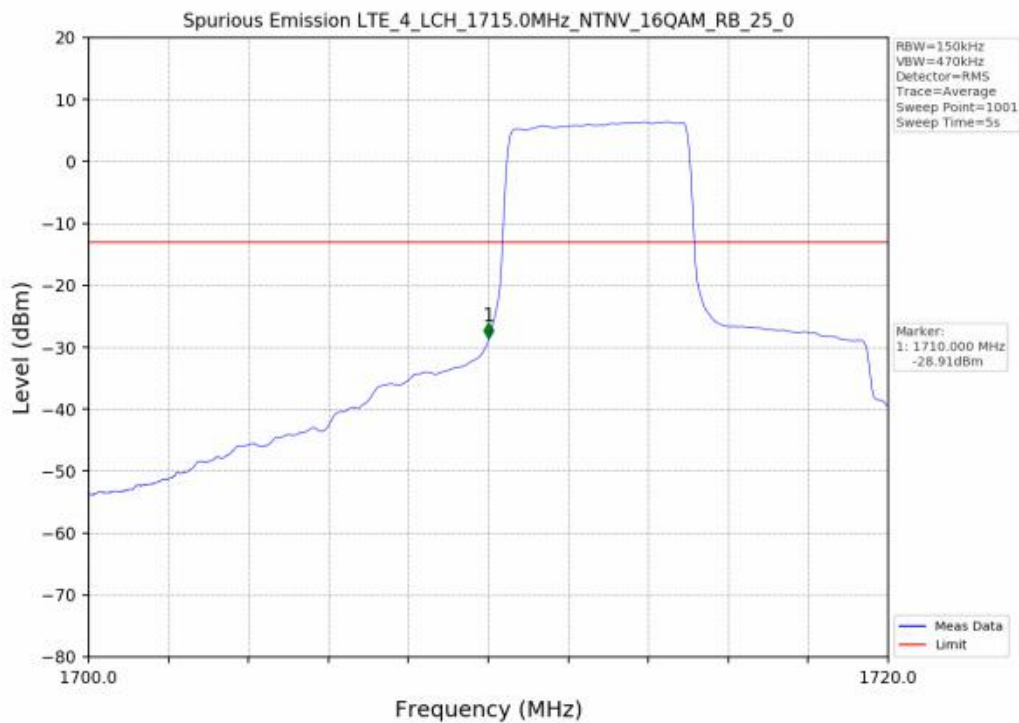
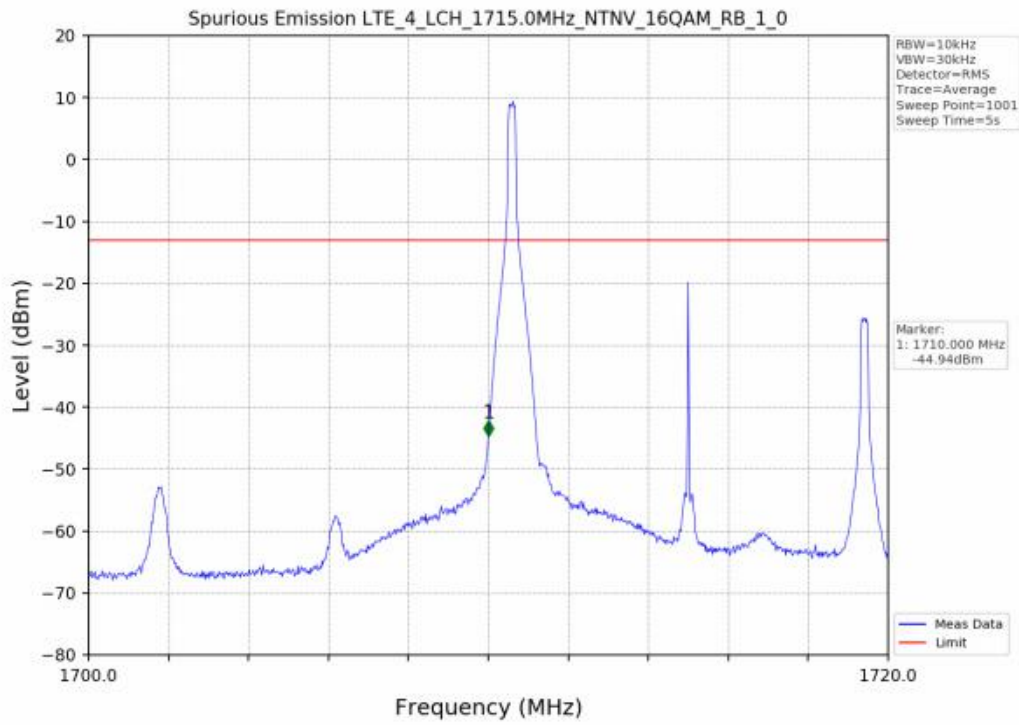


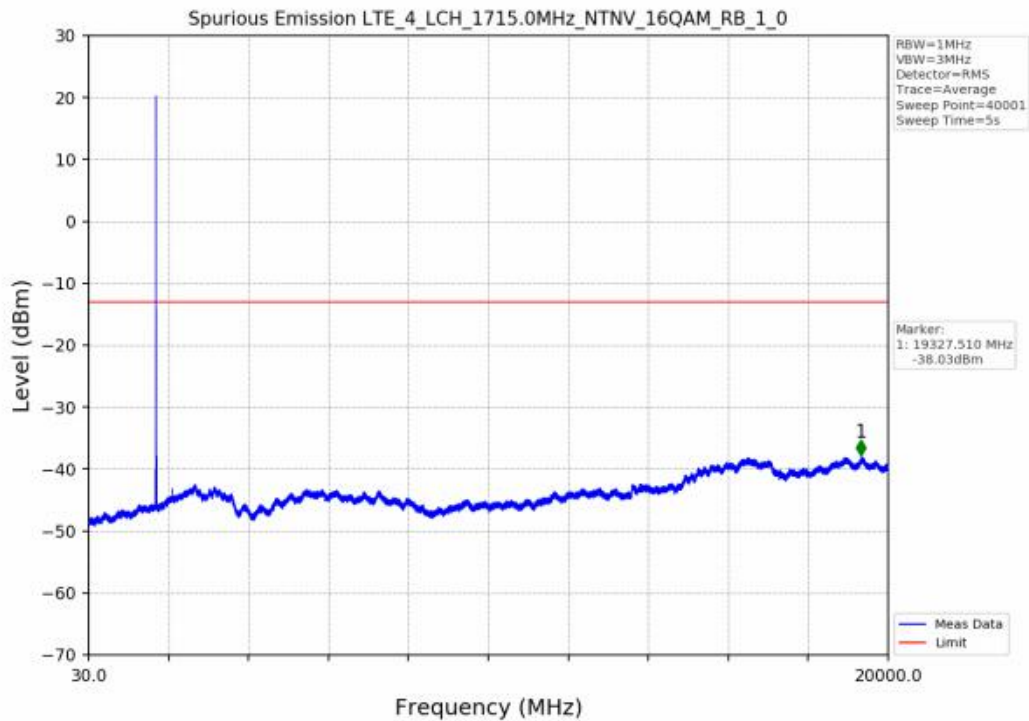
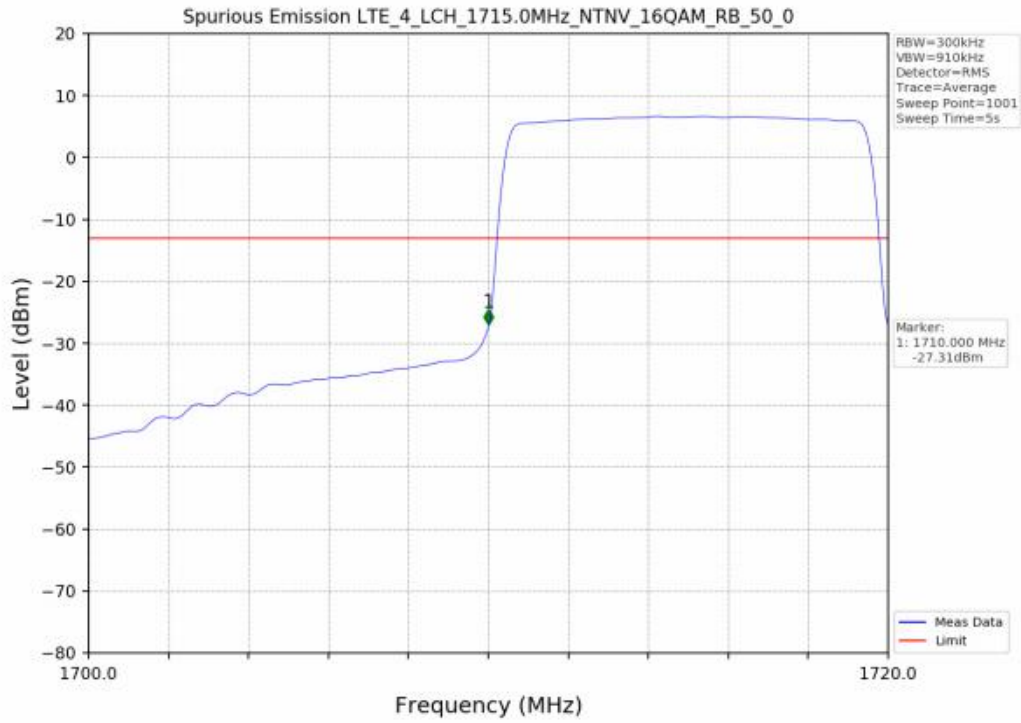


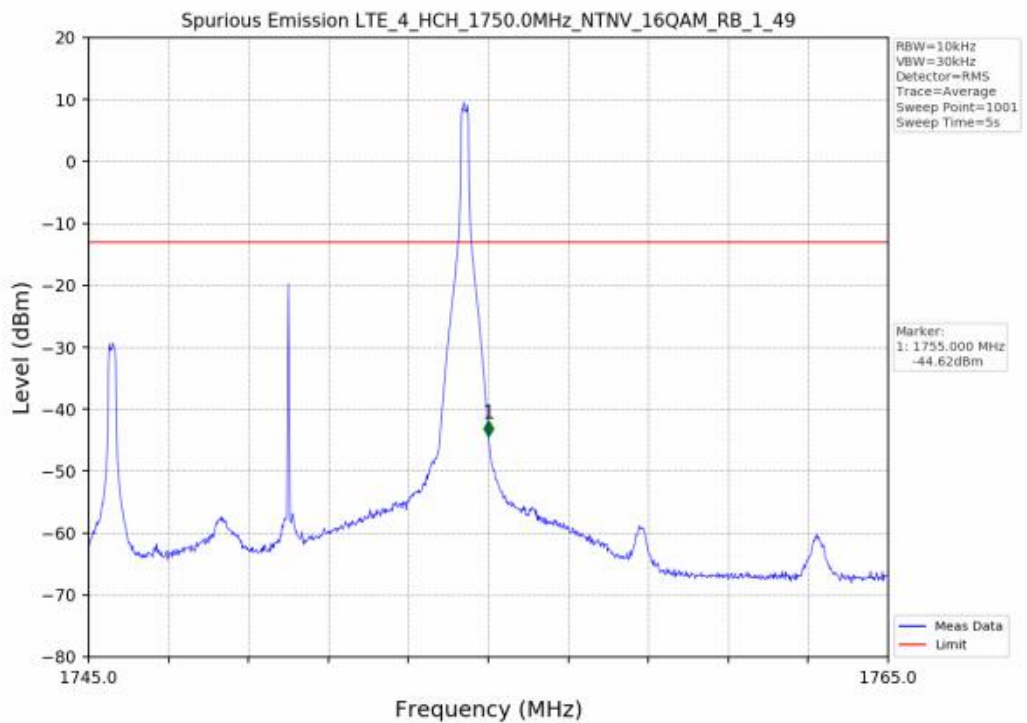
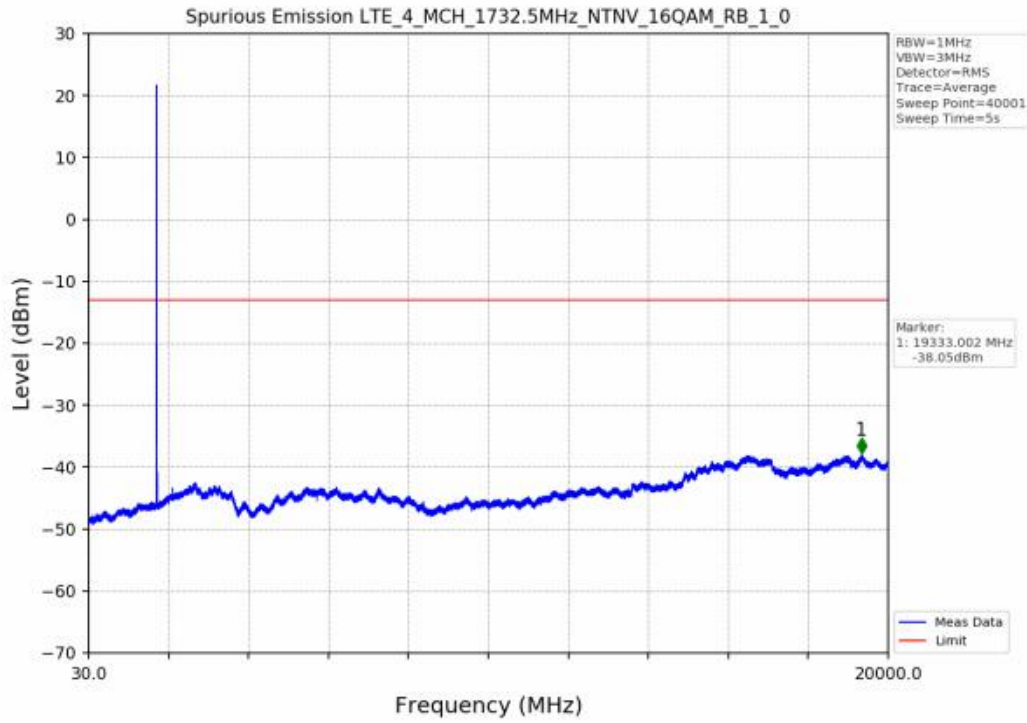


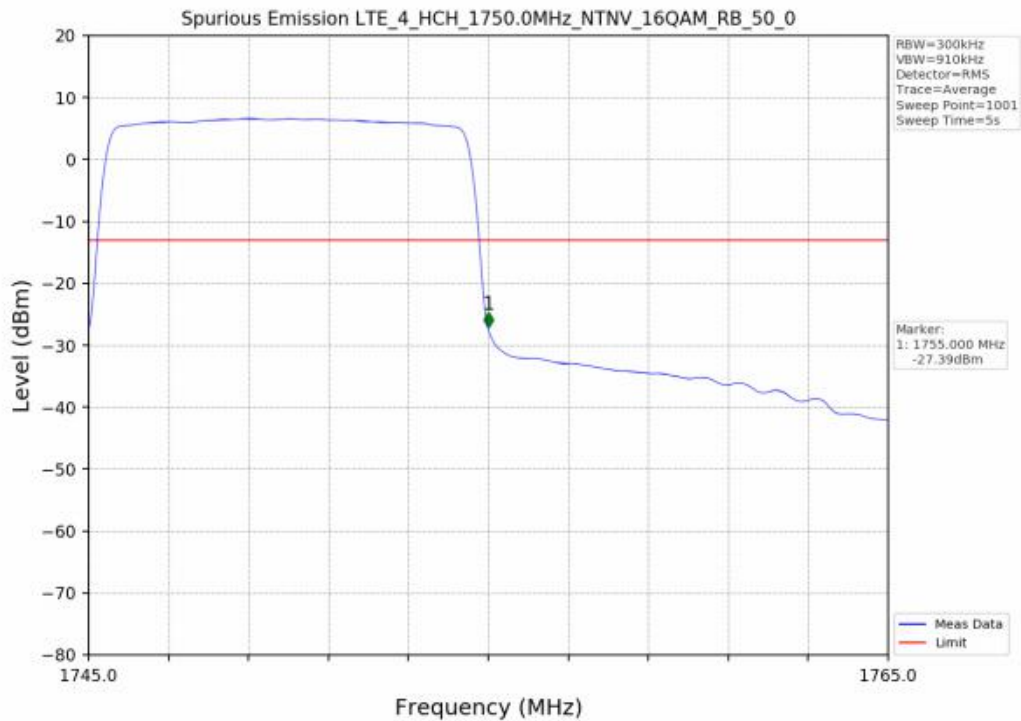
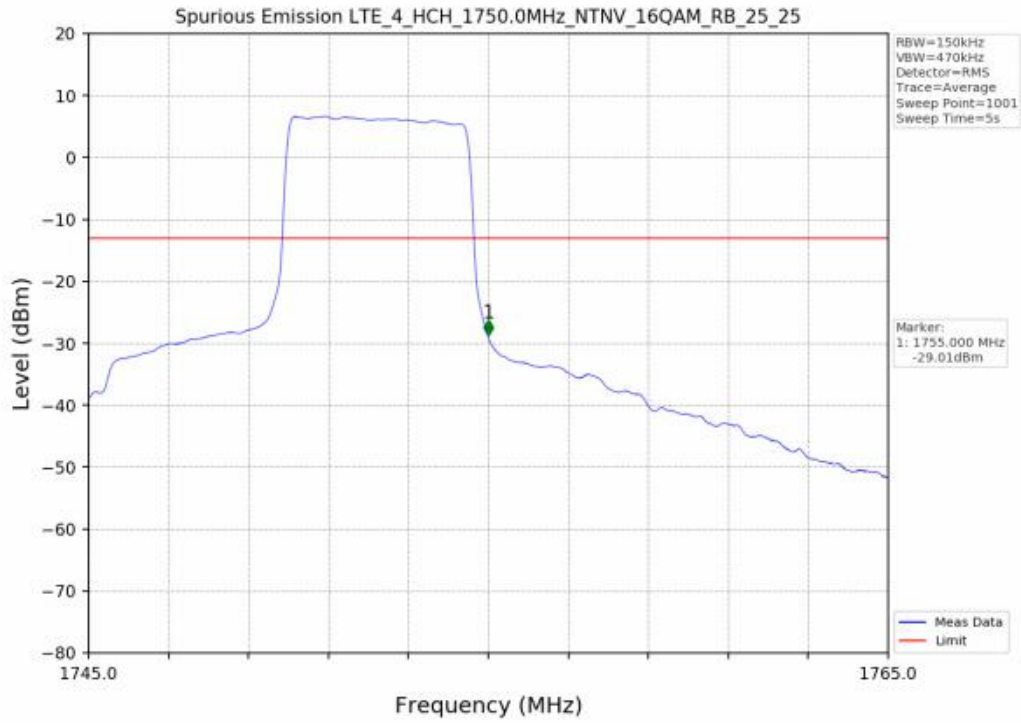


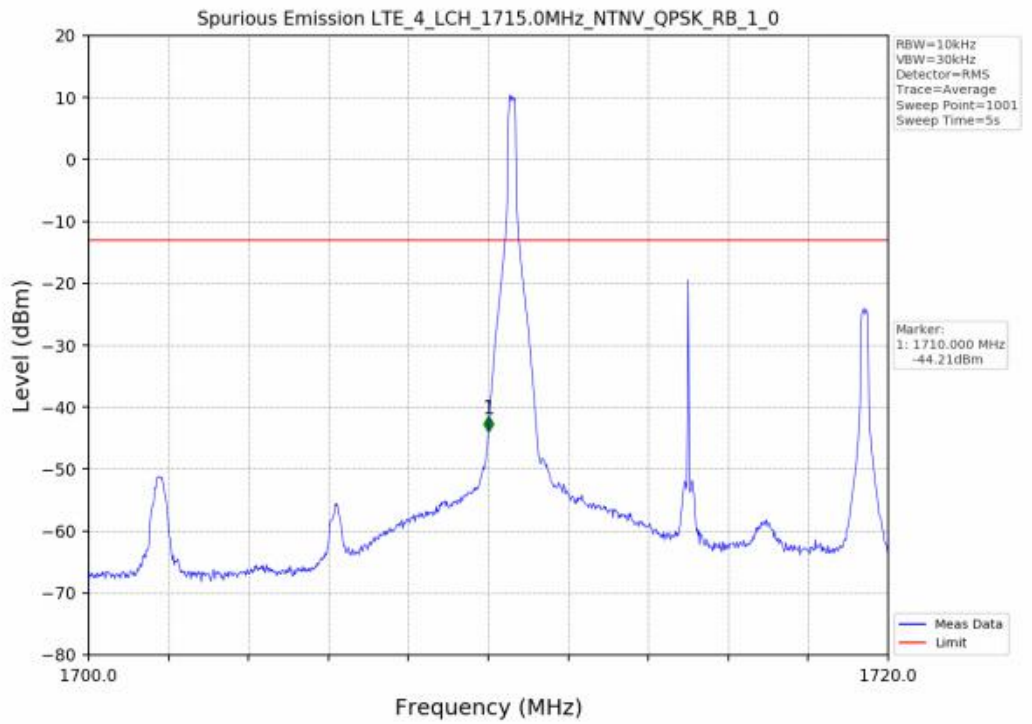
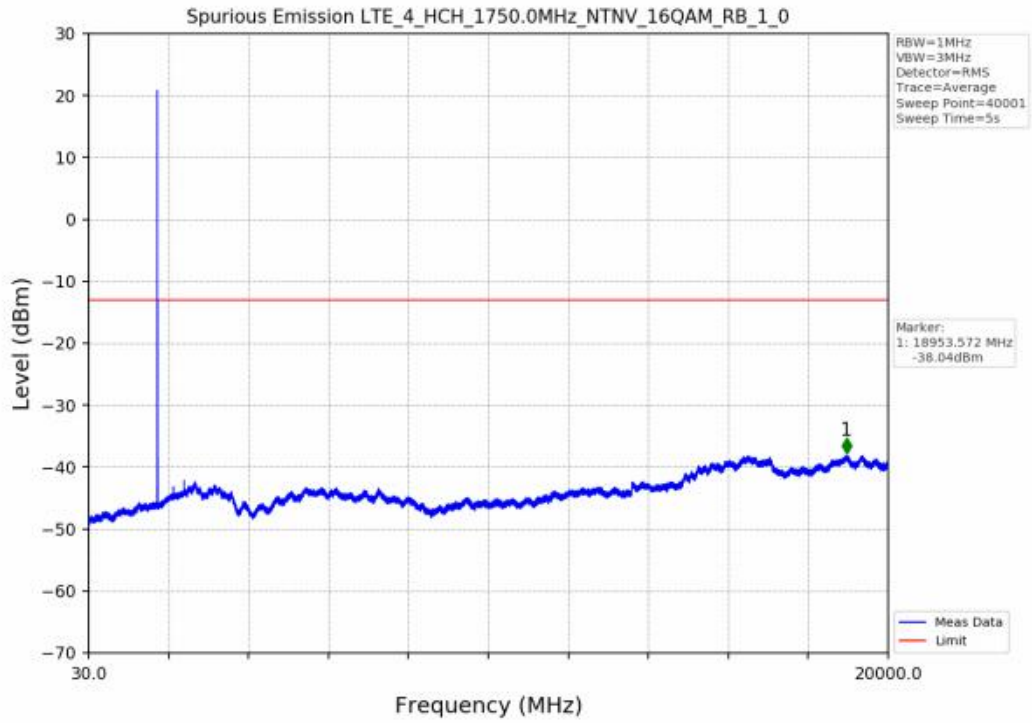
6.1 Test Graph

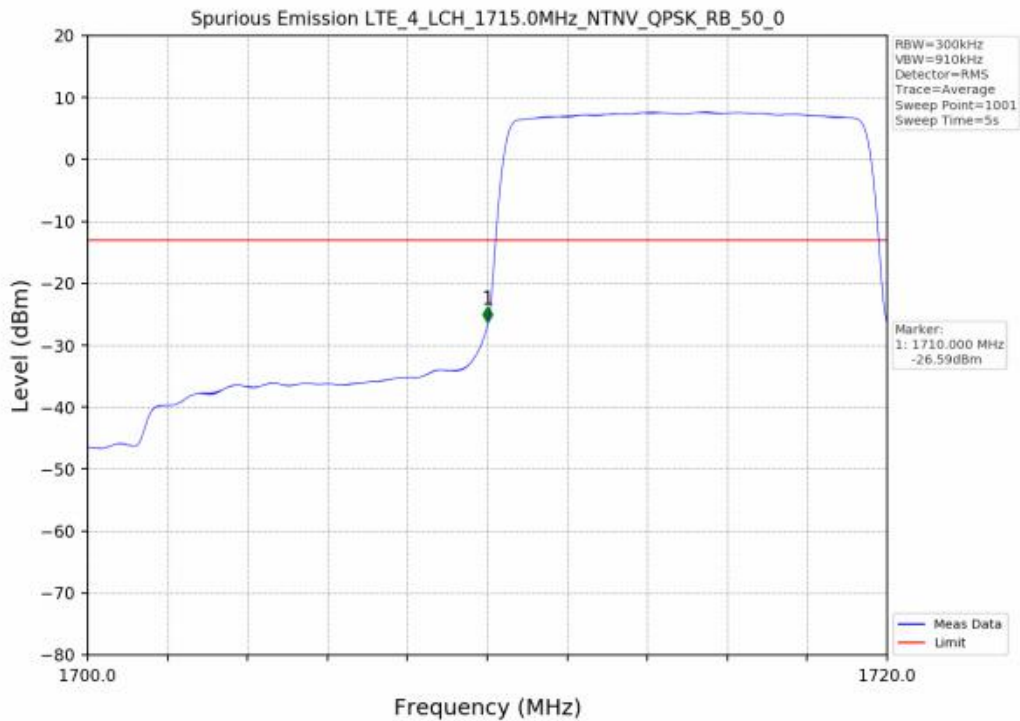
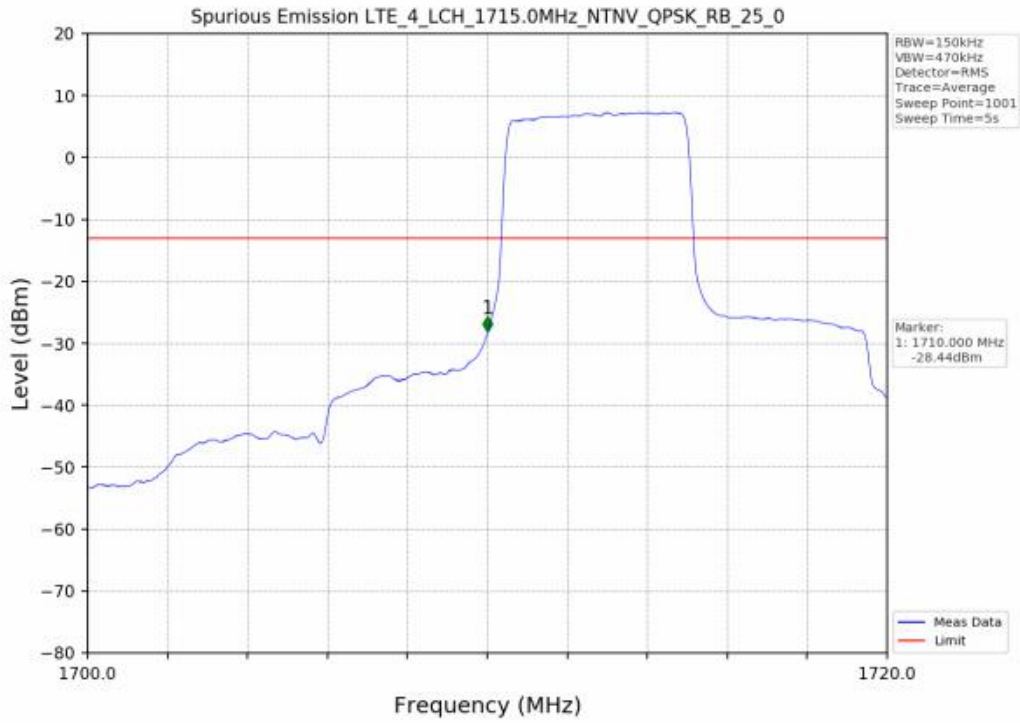


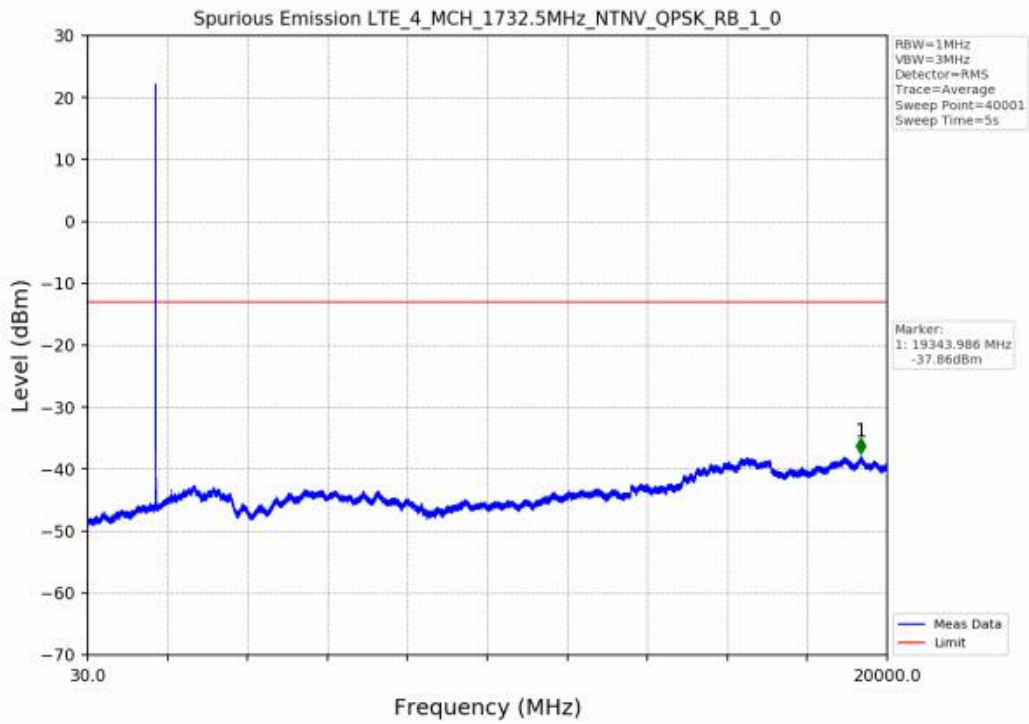
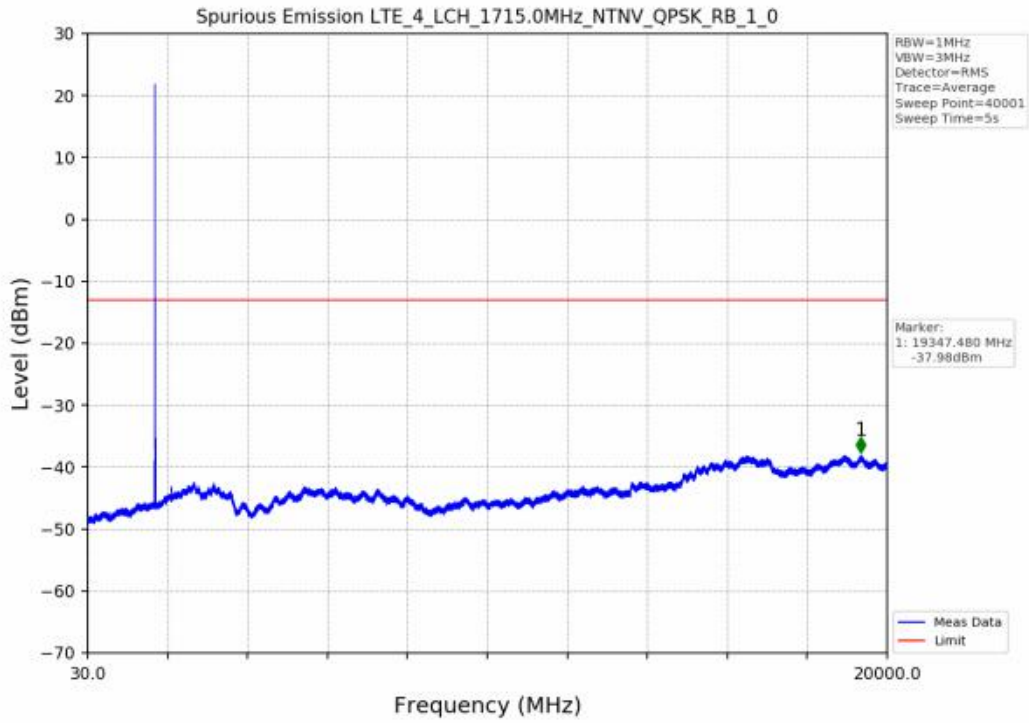


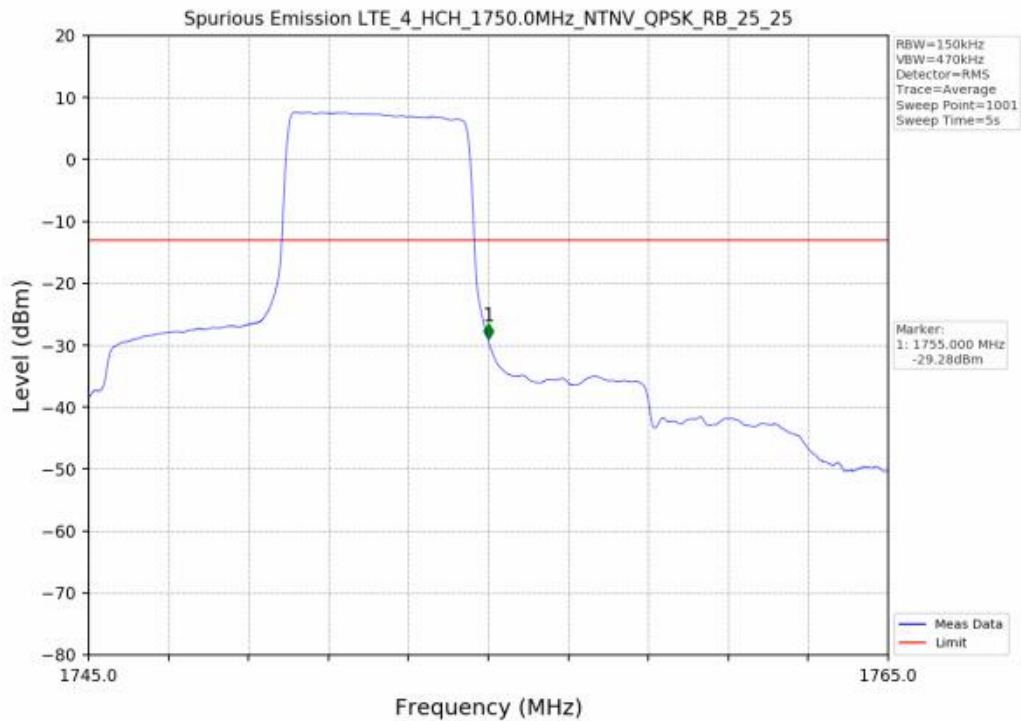
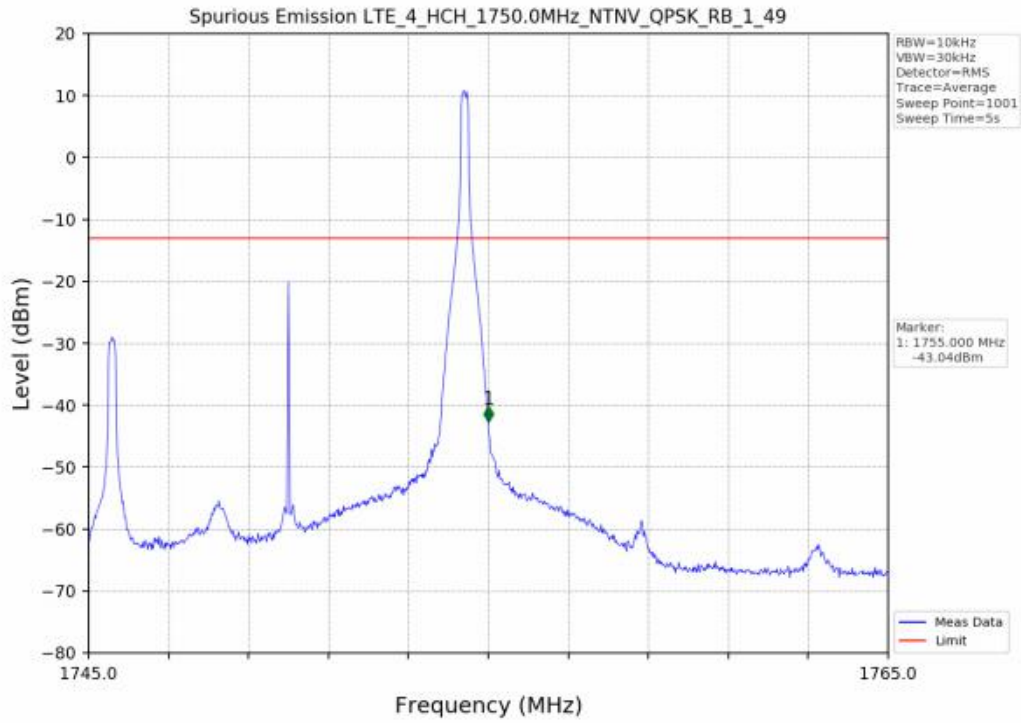


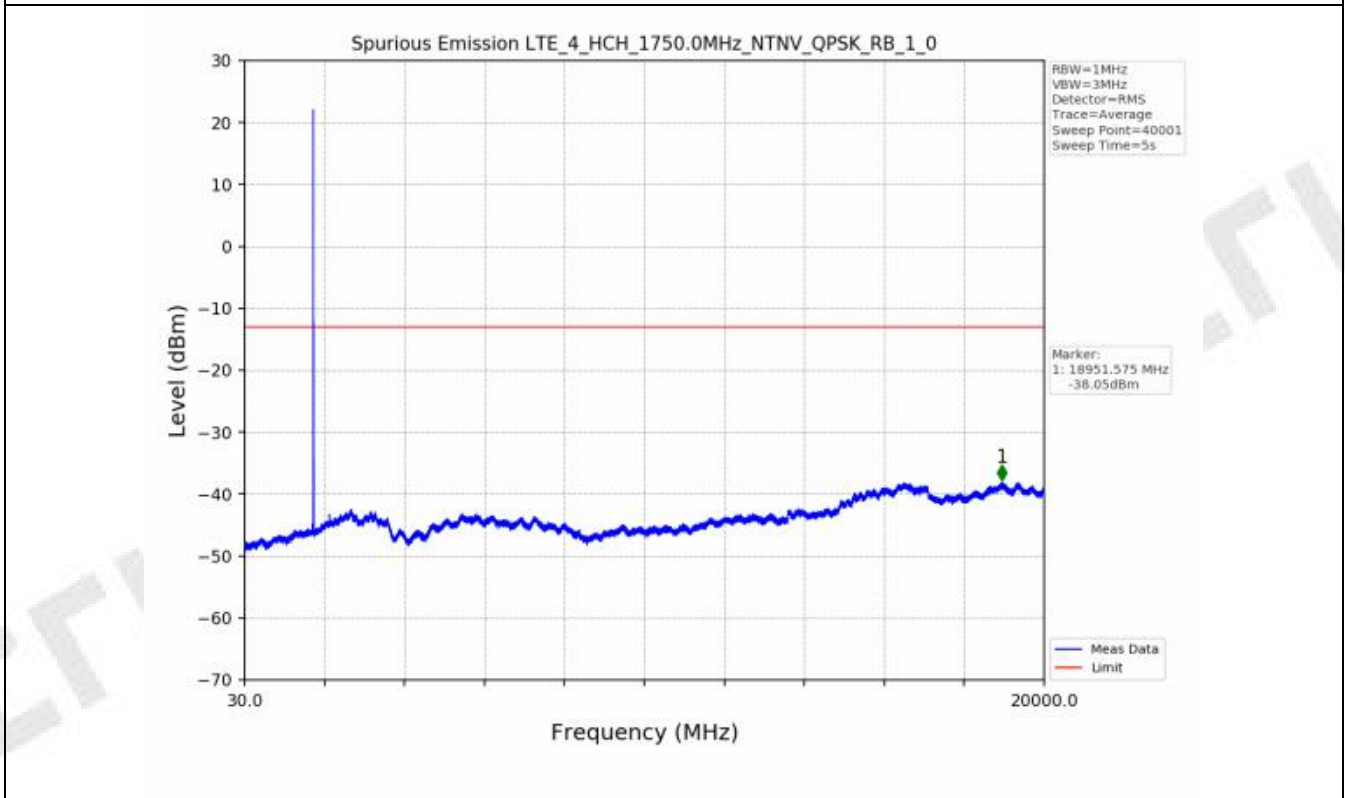
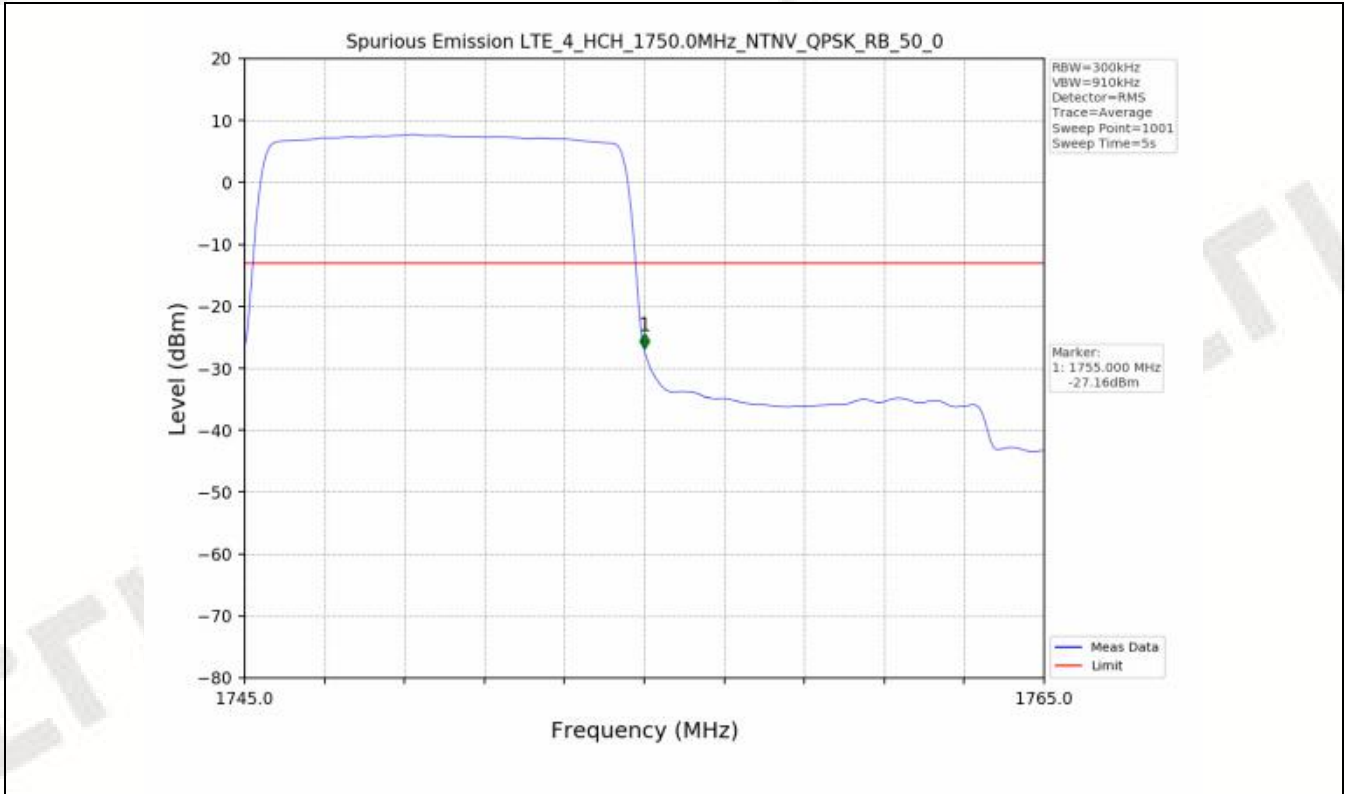




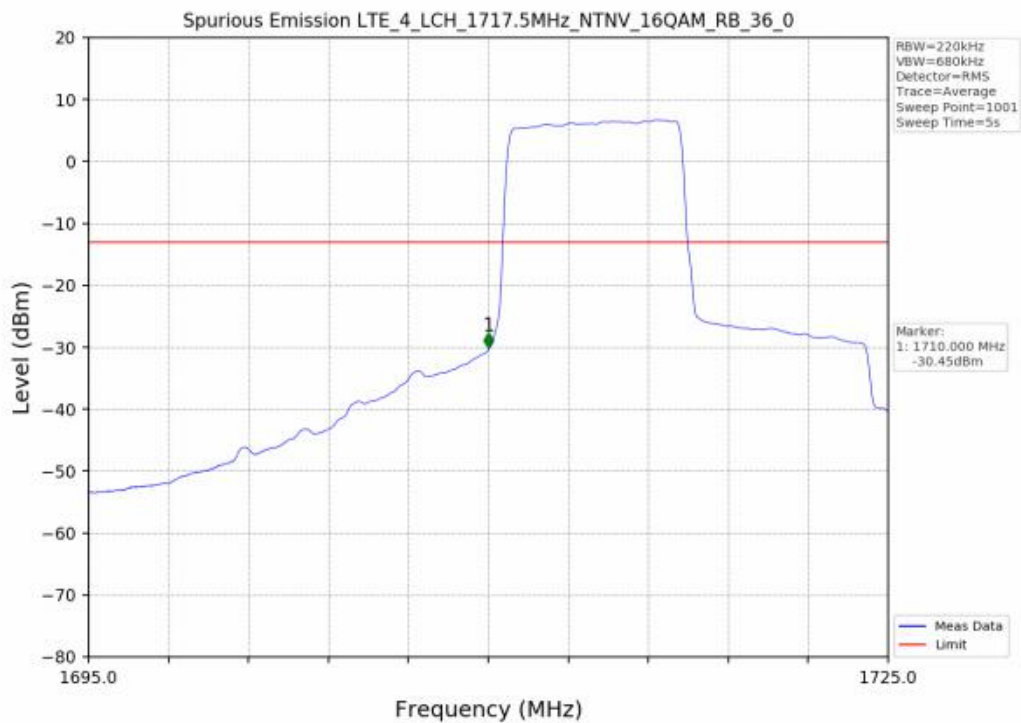
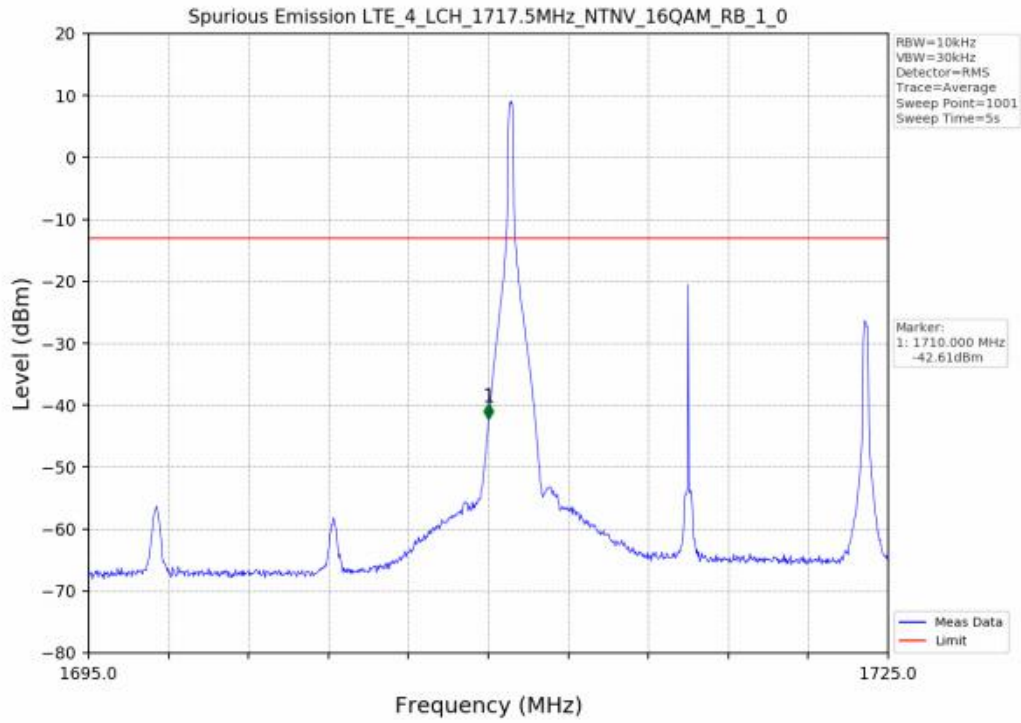


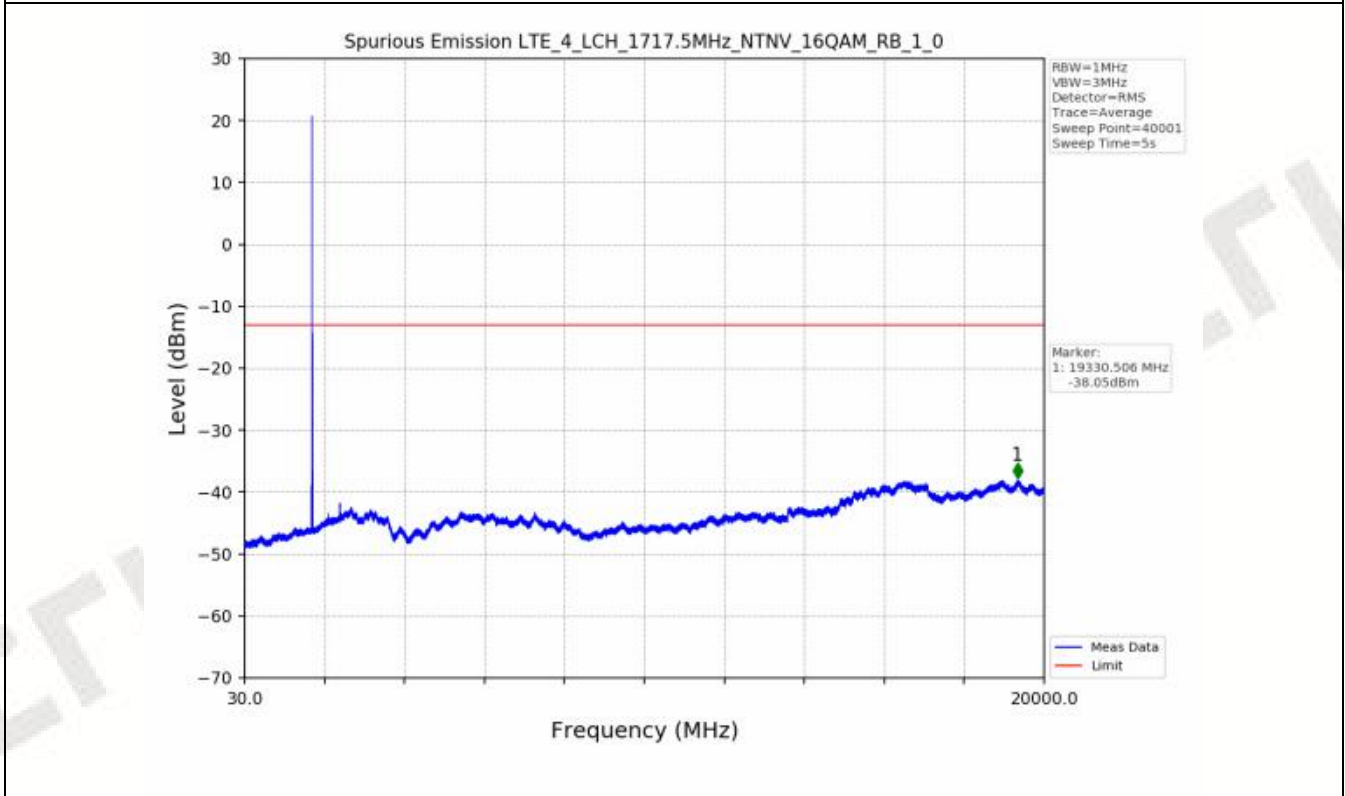
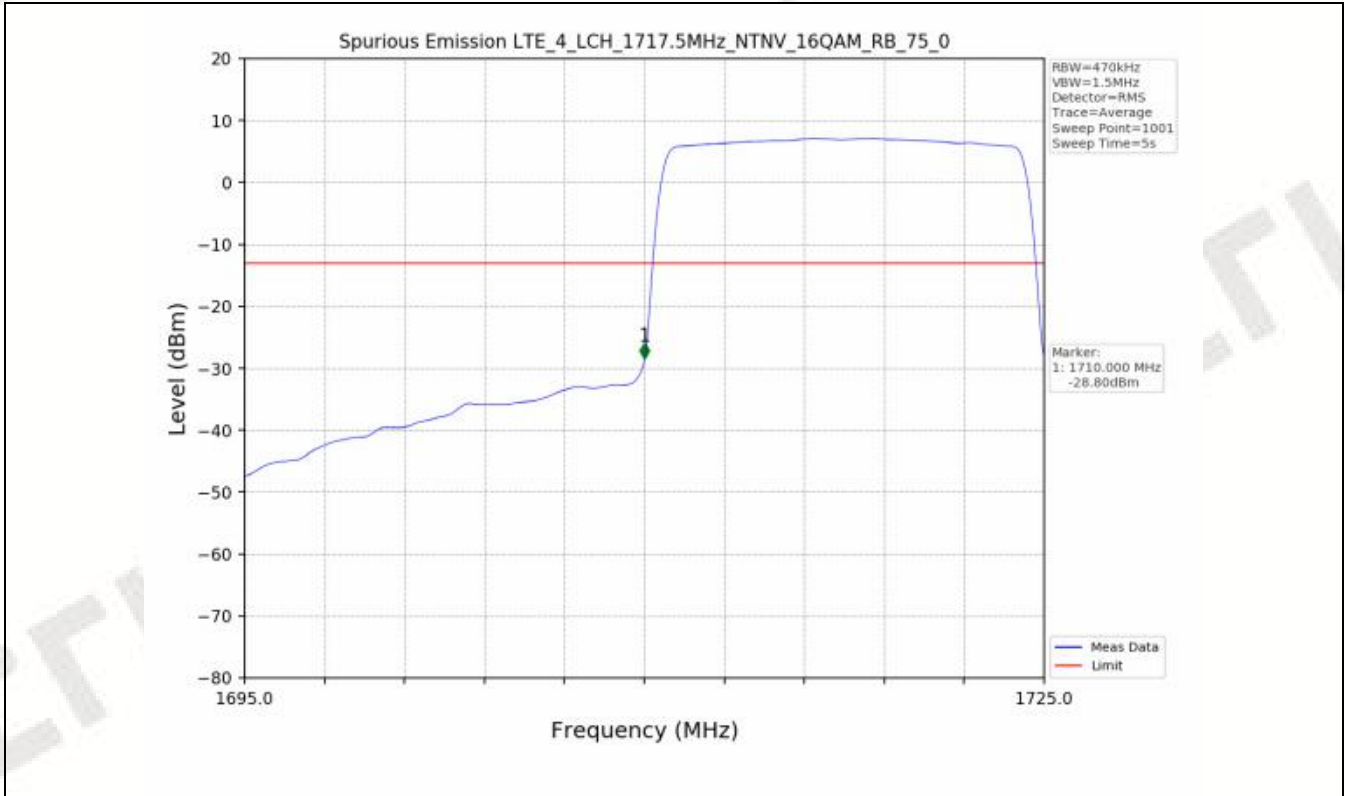


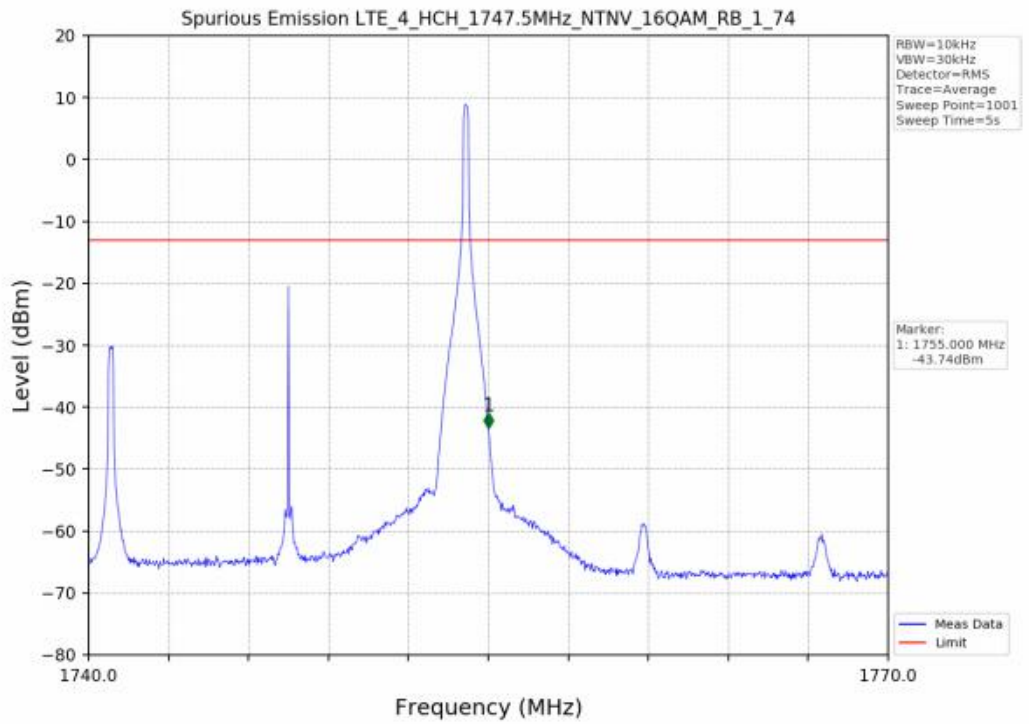
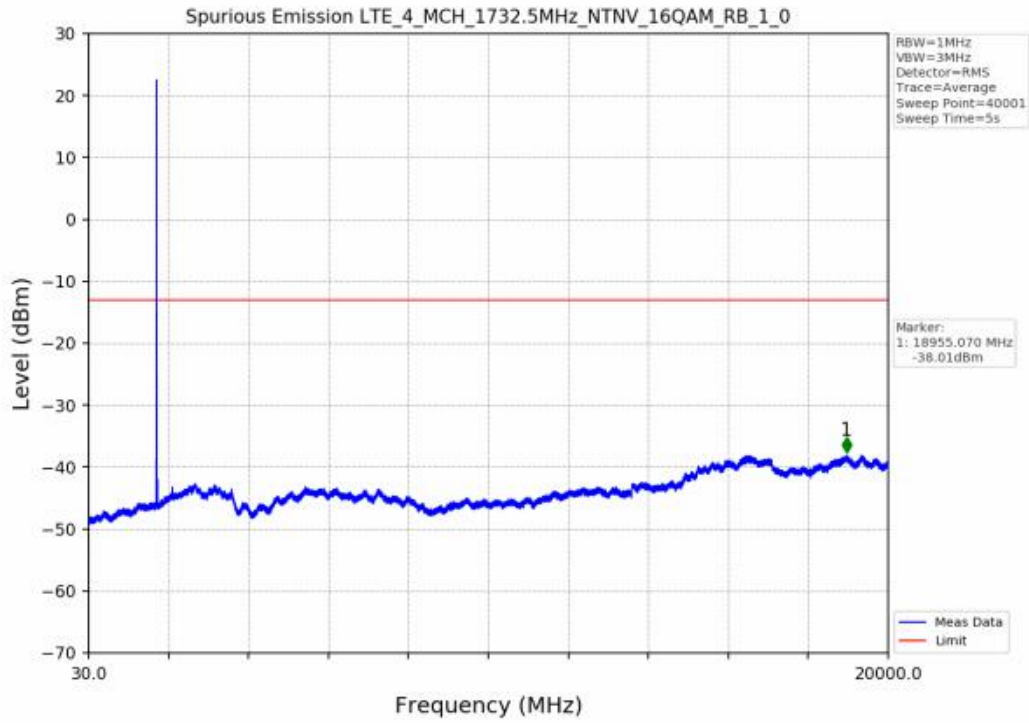


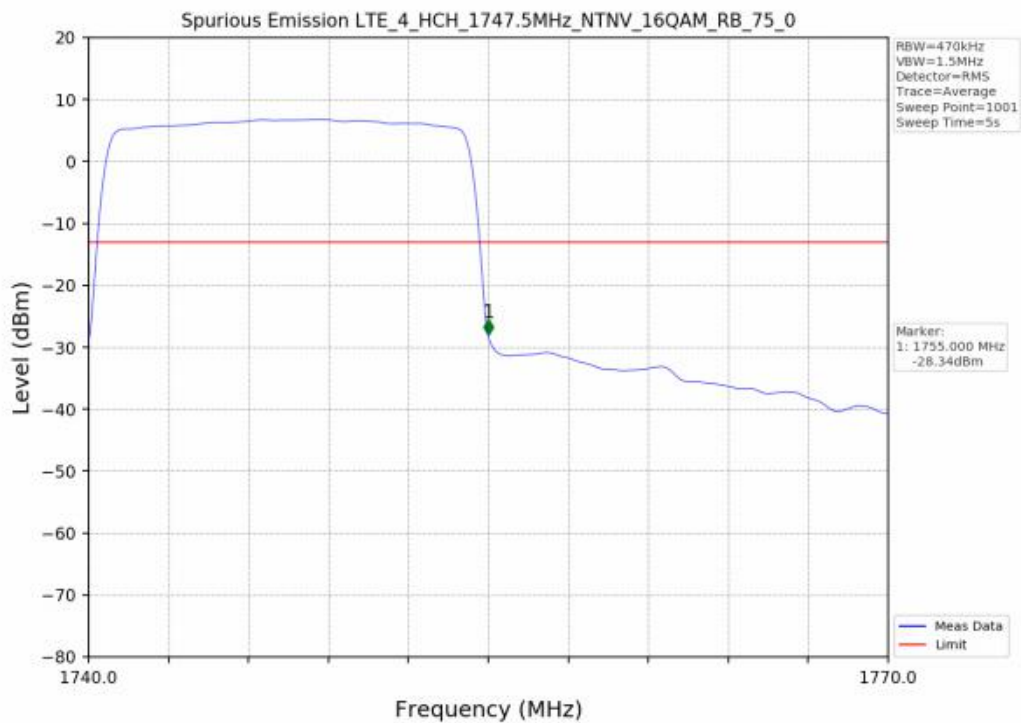
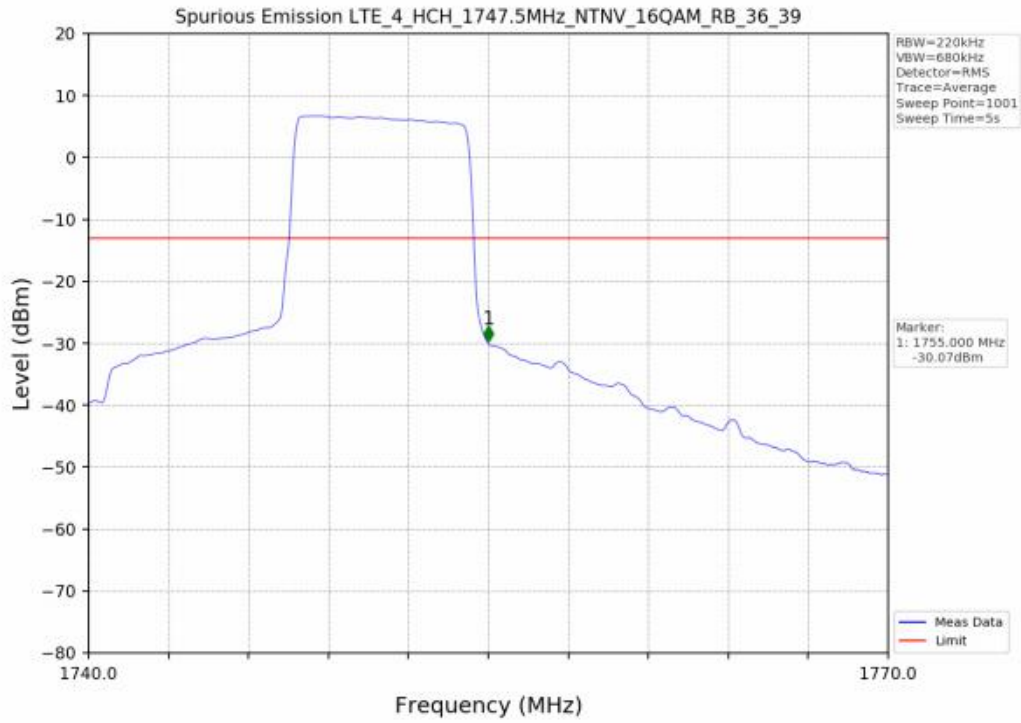


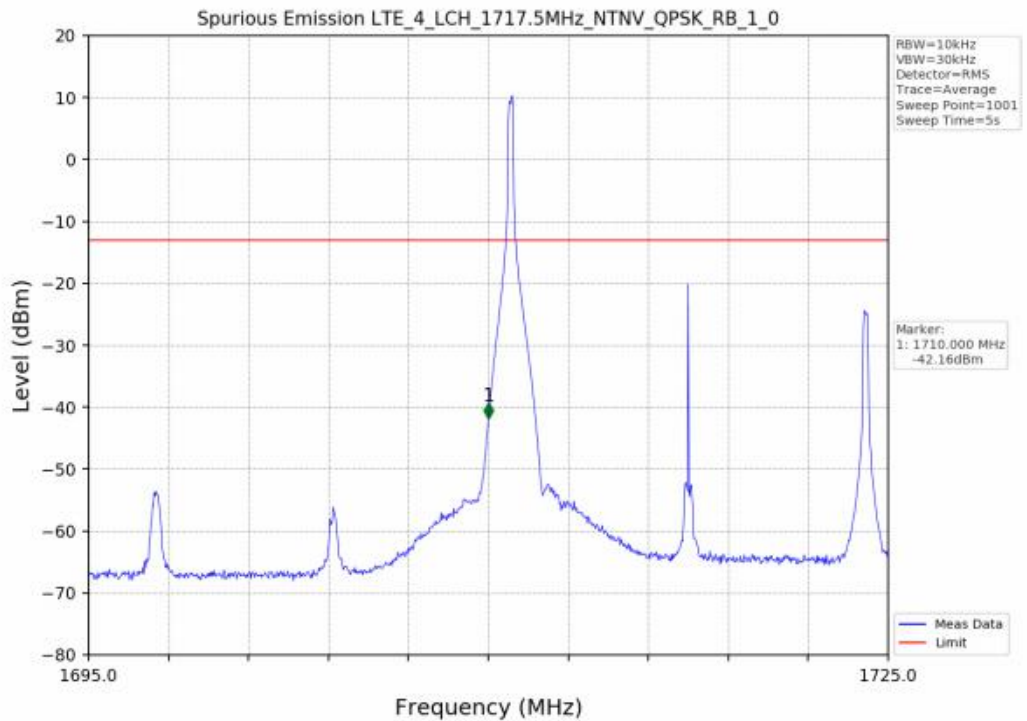
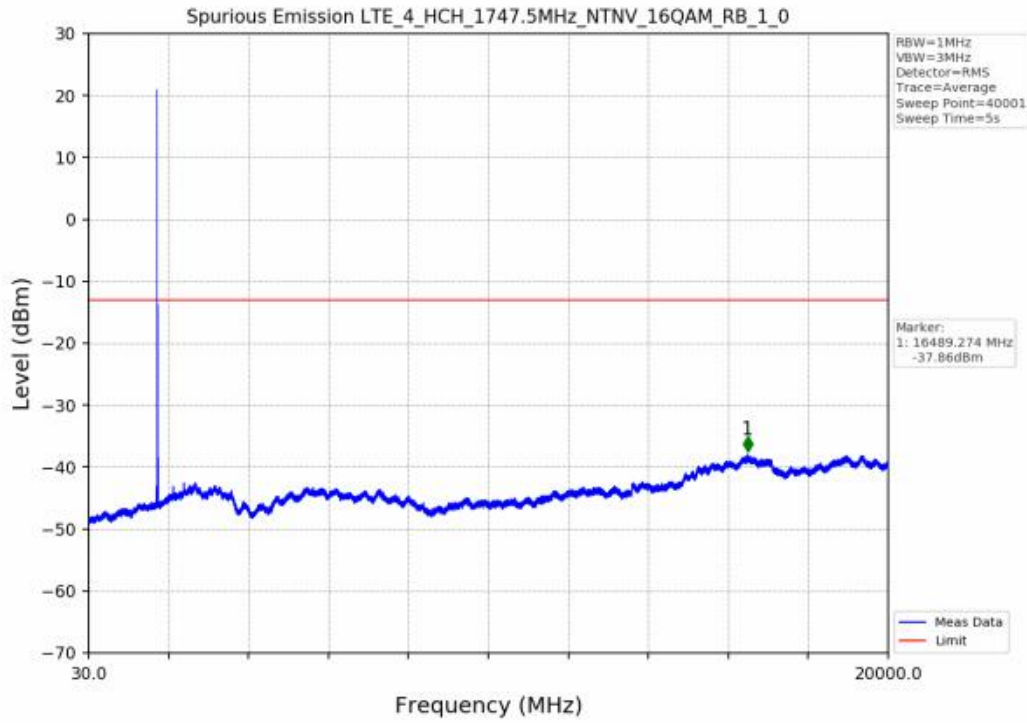
6.1 Test Graph

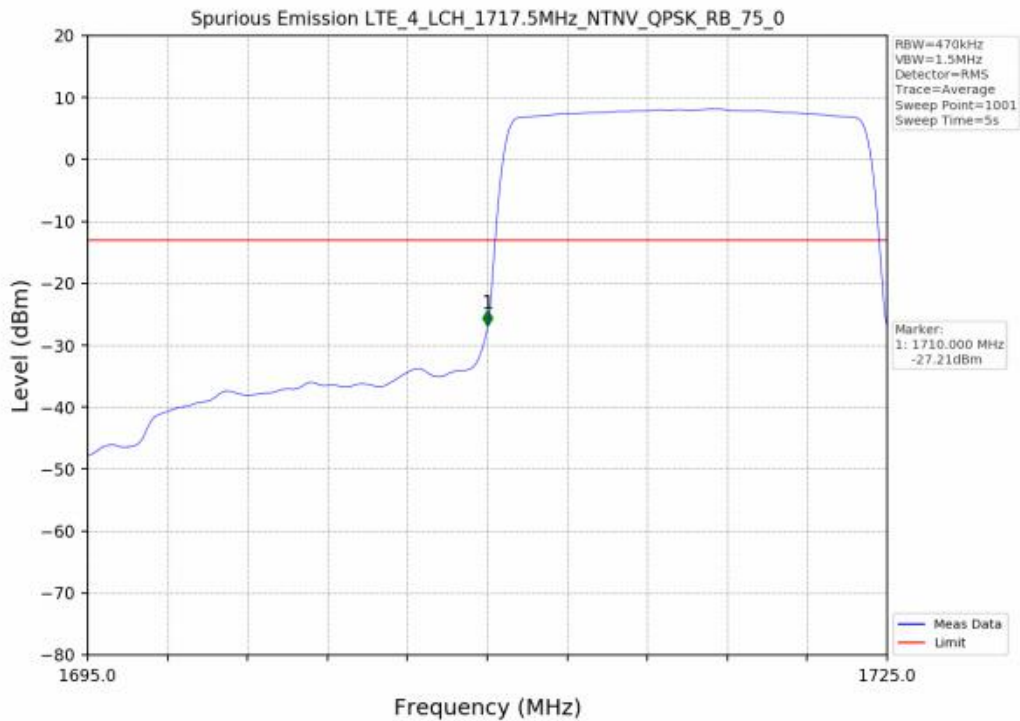
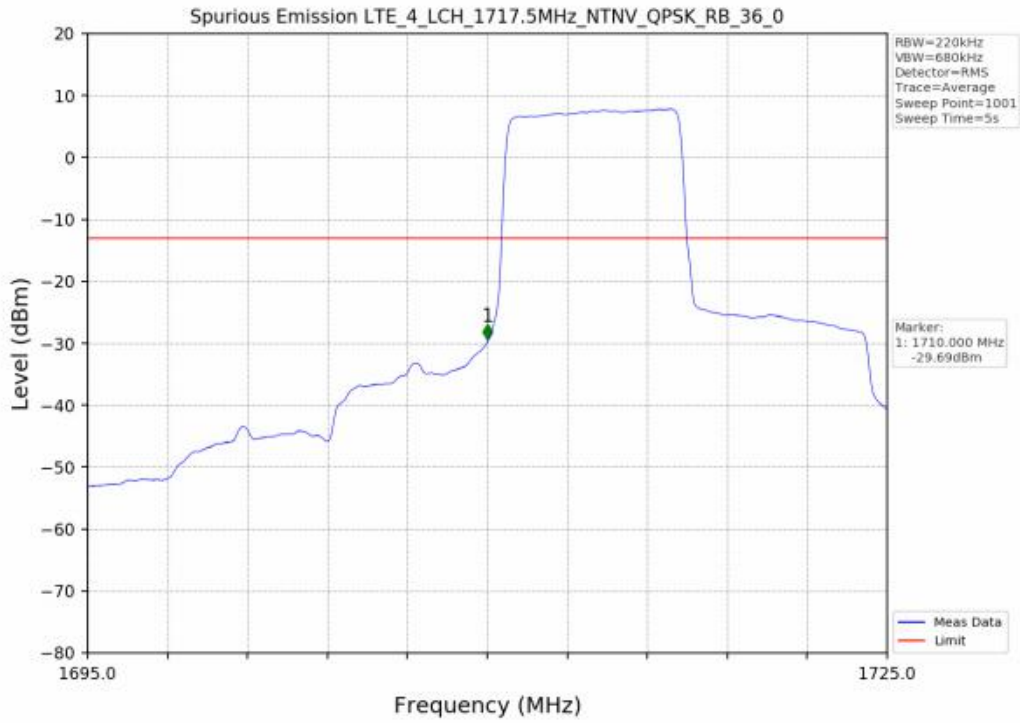


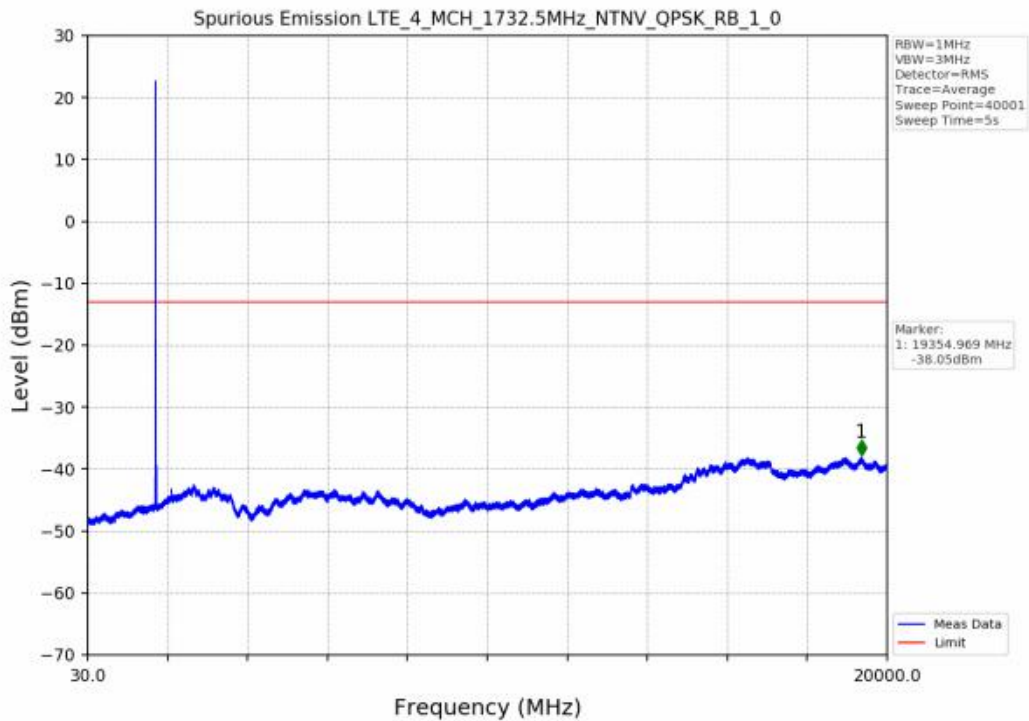
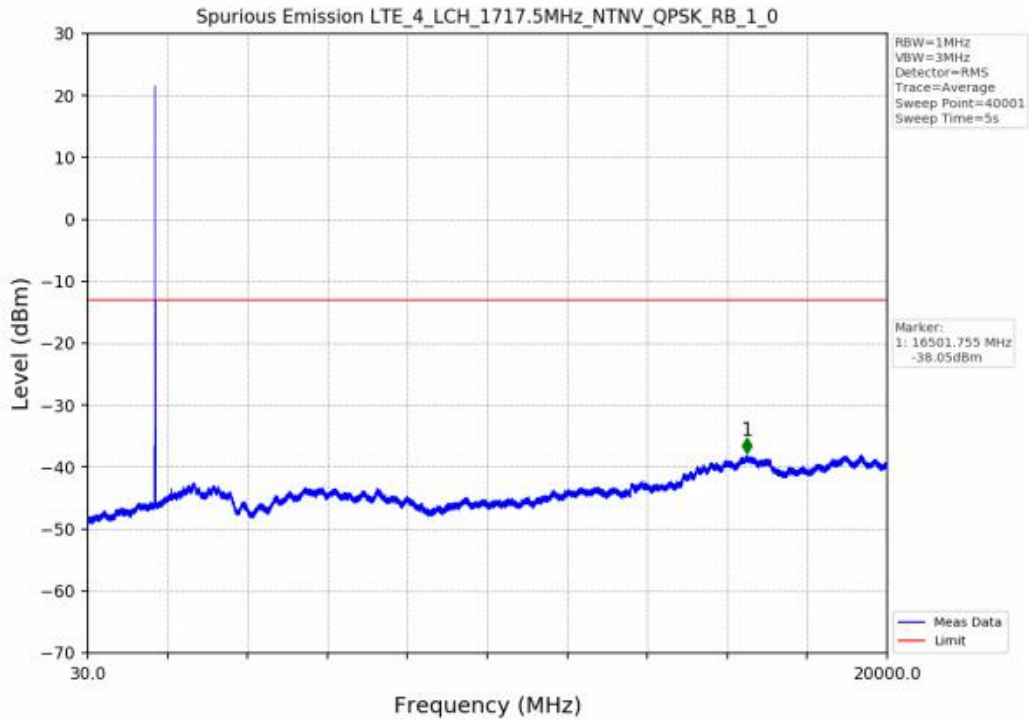


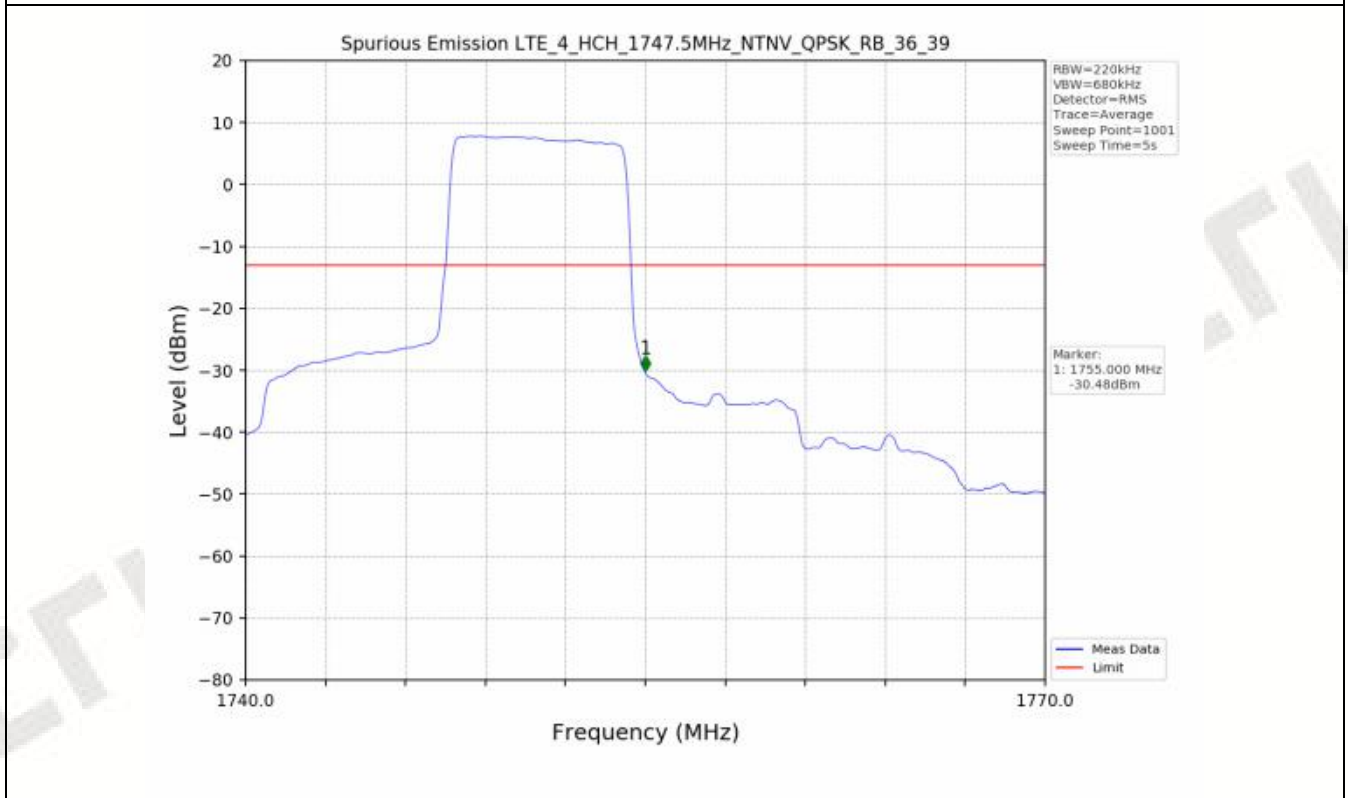
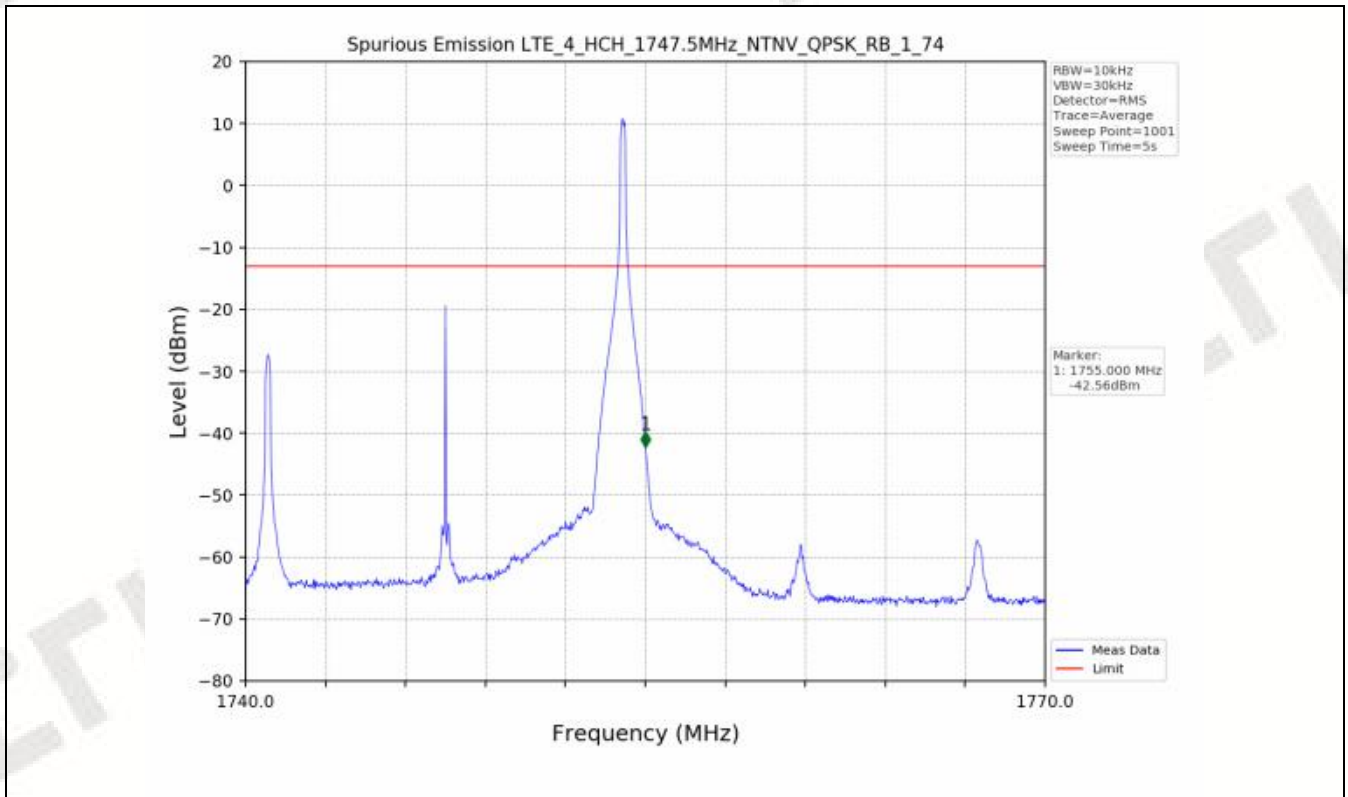


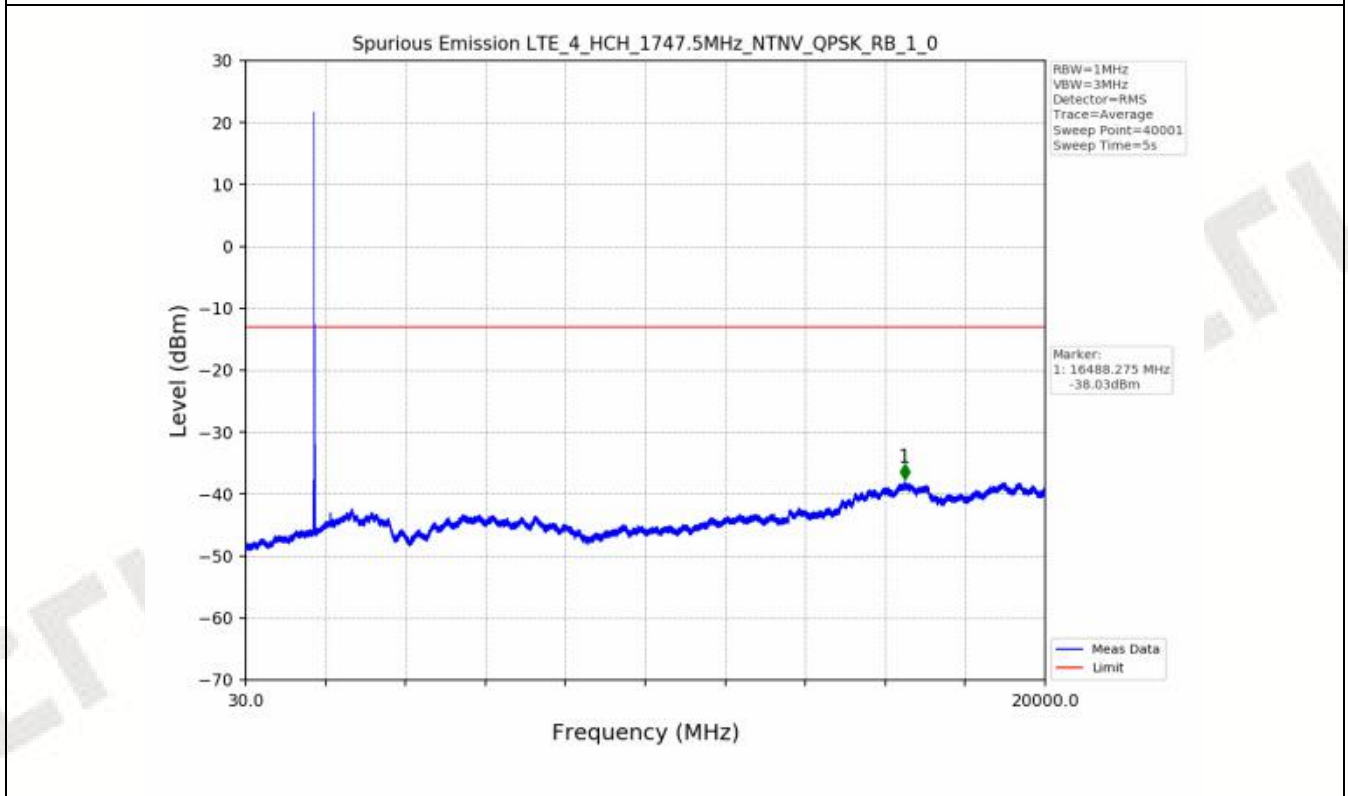
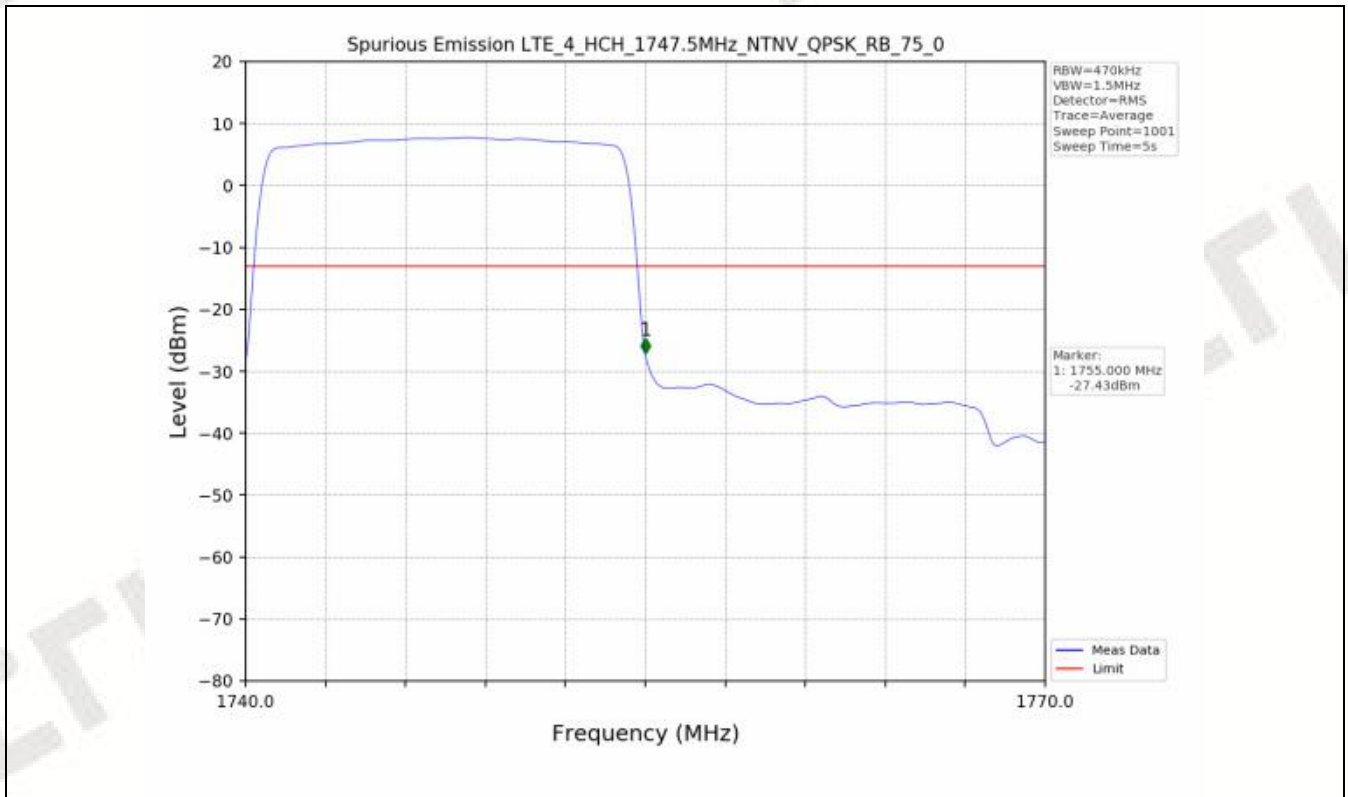












6.1 Test Graph

