

1. Conducted Output Power

Test Result

LTE Band 4 - 1.4MHz

Modulation	RB Allocation		Conducted Power (dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	1	0	19.33	24.84	19.37	30.00	PASS
		2	19.50	24.93	19.61	30.00	PASS
		5	19.46	24.82	19.58	30.00	PASS
	3	0	19.52	25.00	19.53	30.00	PASS
		2	19.62	25.03	19.66	30.00	PASS
		3	19.58	24.97	19.68	30.00	PASS
16QAM	6	0	18.48	23.93	18.56	30.00	PASS
		0	18.48	23.86	18.39	30.00	PASS
		2	18.71	24.03	18.64	30.00	PASS
	1	5	18.70	23.85	18.67	30.00	PASS
		0	18.46	24.19	18.59	30.00	PASS
		2	18.56	24.26	18.70	30.00	PASS
	3	3	18.58	24.21	18.71	30.00	PASS
		0	17.52	22.96	17.52	30.00	PASS
		0	17.52	22.96	17.52	30.00	PASS

LTE Band 4 - 3MHz

Modulation	RB Allocation		Conducted Power (dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	1	0	19.30	24.76	19.12	30.00	PASS
		7	19.66	24.98	19.48	30.00	PASS
		14	19.77	24.79	19.67	30.00	PASS
	8	0	18.44	23.83	18.25	30.00	PASS
		4	18.60	23.92	18.40	30.00	PASS
		7	18.67	23.86	18.49	30.00	PASS
16QAM	15	0	18.57	23.89	18.33	30.00	PASS
		0	18.56	24.44	18.14	30.00	PASS
		7	18.87	24.62	18.51	30.00	PASS
	1	14	18.99	24.44	18.65	30.00	PASS
		0	17.46	23.05	17.29	30.00	PASS
		4	17.61	23.12	17.47	30.00	PASS
	8	7	17.69	23.10	17.54	30.00	PASS
		0	17.56	22.97	17.41	30.00	PASS
		0	17.56	22.97	17.41	30.00	PASS

LTE Band 4 - 5MHz

Modulation	RB Allocation		Conducted Power (dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	1	0	19.26	24.64	18.85	30.00	PASS
		13	19.76	24.95	19.21	30.00	PASS
		24	20.22	24.65	19.54	30.00	PASS
	12	0	18.54	23.83	18.00	30.00	PASS
		6	18.81	23.93	18.20	30.00	PASS
		13	19.06	23.88	18.43	30.00	PASS
16QAM	25	0	18.78	23.87	18.21	30.00	PASS
		0	18.59	23.53	17.93	30.00	PASS
		13	19.17	23.84	18.31	30.00	PASS
	1	24	19.52	23.56	18.64	30.00	PASS
		0	17.58	22.82	16.95	30.00	PASS
		6	17.87	22.96	17.17	30.00	PASS
16QAM	12	13	18.10	22.88	17.37	30.00	PASS
		13	18.10	22.88	17.37	30.00	PASS

	25	0	17.84	22.92	17.22	30.00	PASS
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LTE Band 4 - 10MHz

Modulation	RB Allocation		Conducted Power (dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	1	0	14.78	18.64	13.19	30.00	PASS
		25	16.15	18.73	12.85	30.00	PASS
		49	17.25	17.58	13.16	30.00	PASS
	25	0	14.35	17.65	11.62	30.00	PASS
		13	15.03	17.51	10.94	30.00	PASS
		25	15.79	17.15	10.75	30.00	PASS
16QAM	50	0	15.13	17.37	11.23	30.00	PASS
			18.53	23.87	18.80	30.00	PASS
			19.78	24.62	18.10	30.00	PASS
	1	49	20.98	23.77	18.52	30.00	PASS
		0	17.90	22.82	17.30	30.00	PASS
		13	18.53	22.97	17.12	30.00	PASS
	25	25	19.24	22.89	17.17	30.00	PASS
		0	18.62	22.82	10.25	30.00	PASS
		0					

LTE Band 4 - 15MHz

Modulation	RB Allocation		Conducted Power (dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	1	0	14.73	18.45	15.87	30.00	PASS
		38	16.77	18.57	12.34	30.00	PASS
		74	18.19	16.82	11.64	30.00	PASS
	36	0	14.70	17.75	13.69	30.00	PASS
		18	15.75	17.69	11.93	30.00	PASS
		39	16.90	16.96	10.93	30.00	PASS
	75	0	16.00	17.30	12.46	30.00	PASS
16QAM	1	0	14.81	18.03	15.21	30.00	PASS
		38	16.46	18.17	11.73	30.00	PASS
		74	17.39	16.19	11.11	30.00	PASS
	36	0	13.69	16.61	12.45	30.00	PASS
		18	14.71	16.53	10.76	30.00	PASS
		39	15.81	15.80	9.76	30.00	PASS
	75	0	15.05	16.21	11.47	30.00	PASS

LTE Band 4 - 20MHz

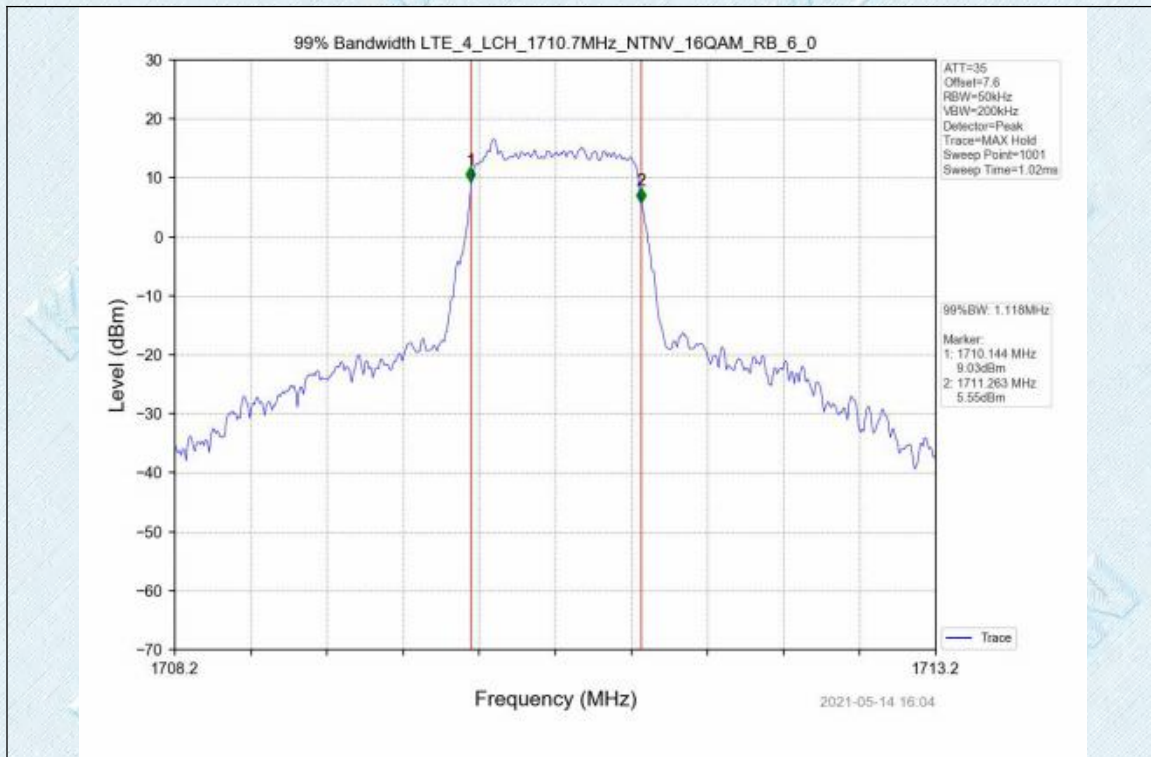
Modulation	RB Allocation		Conducted Power (dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	1	0	14.85	18.46	18.42	30.00	PASS
		50	18.16	19.29	14.39	30.00	PASS
		99	19.14	16.19	12.60	30.00	PASS
	50	0	15.32	17.76	15.92	30.00	PASS
		25	16.79	17.80	13.51	30.00	PASS
		50	17.77	16.82	11.68	30.00	PASS
16QAM	100	0	16.87	17.32	14.62	30.00	PASS
		0	14.01	17.43	17.65	30.00	PASS
		50	16.87	18.07	13.24	30.00	PASS
	1	99	17.82	15.01	12.28	30.00	PASS
		0	14.19	16.45	15.18	30.00	PASS
		25	15.54	16.45	12.69	30.00	PASS
	50	50	16.51	15.46	10.77	30.00	PASS
		0	15.68	16.07	13.74	30.00	PASS
	100	0					

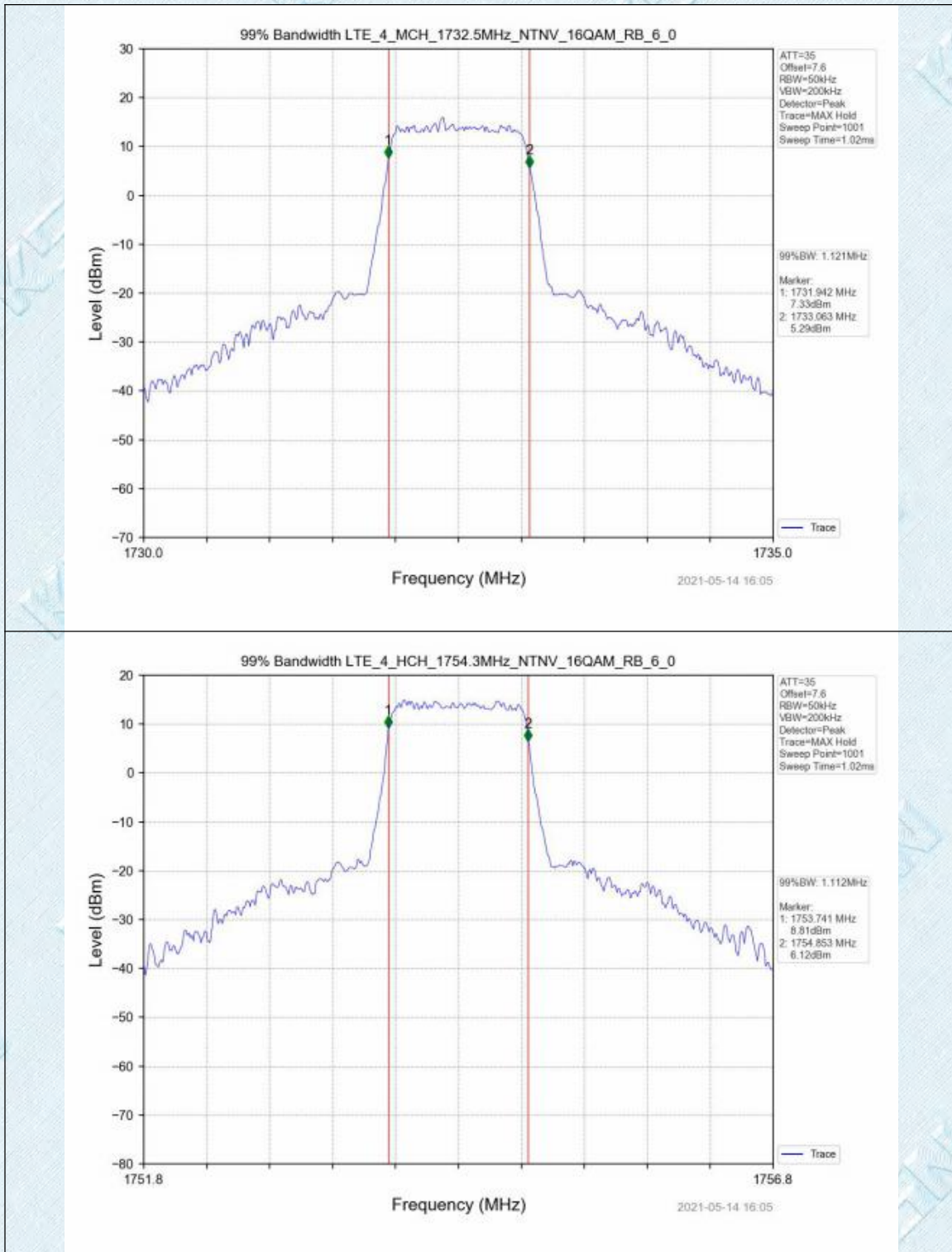
2. 99% & 26dB Bandwidth

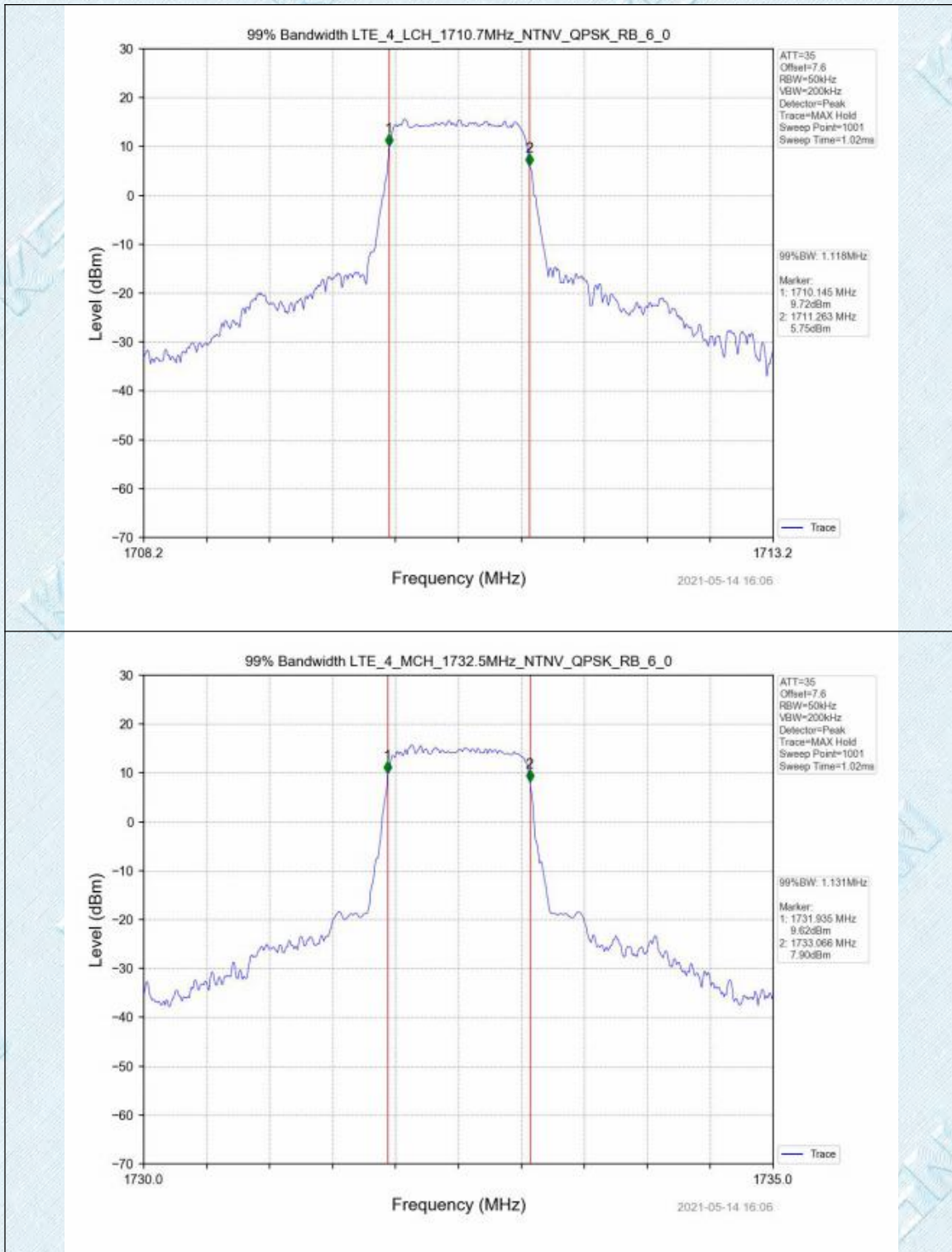
Test Result

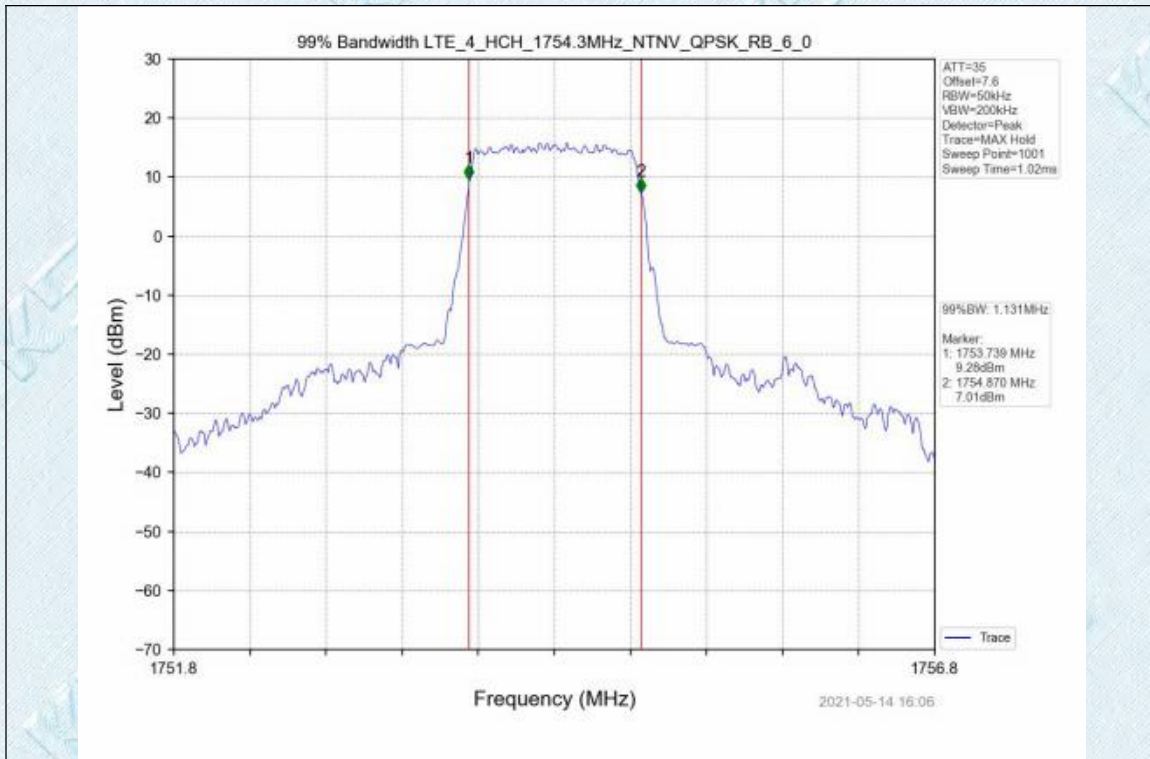
Test Band: 4 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.118	1.131	1.131	N/A	PASS
16QAM	6	0	1.118	1.121	1.112	N/A	PASS

Test Graph



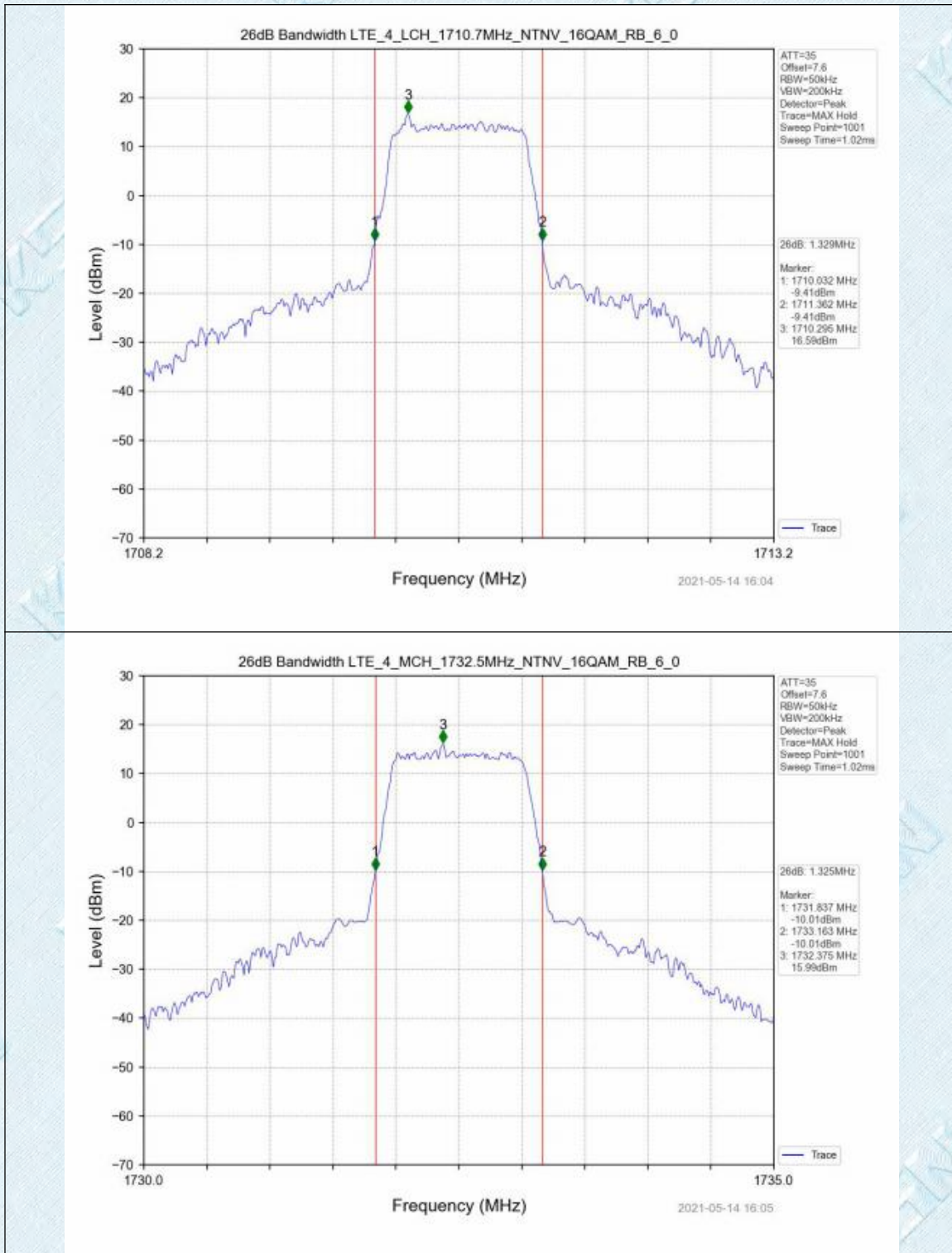


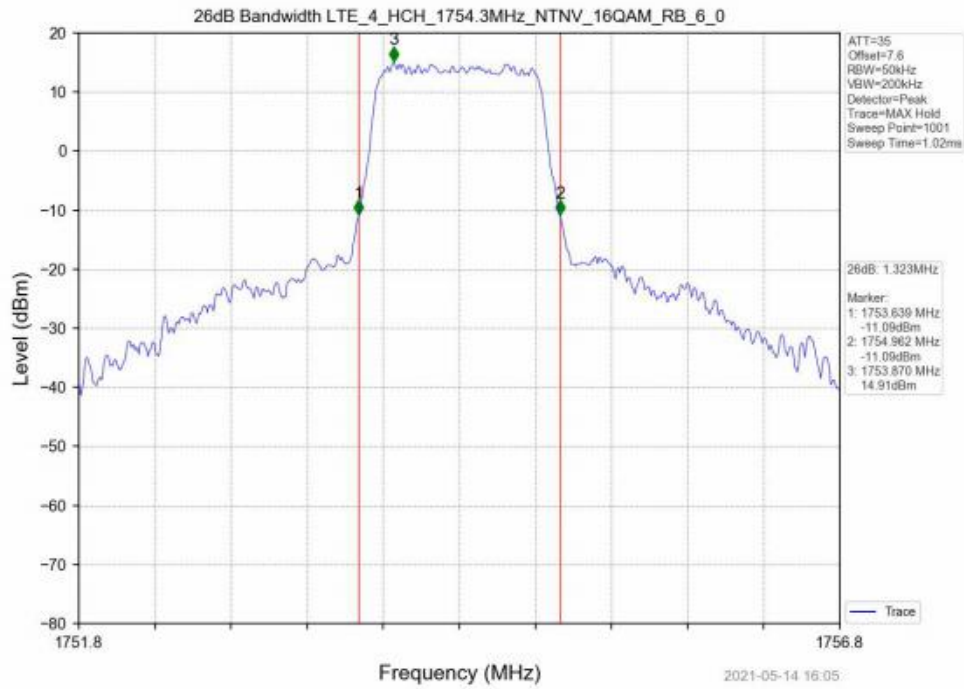
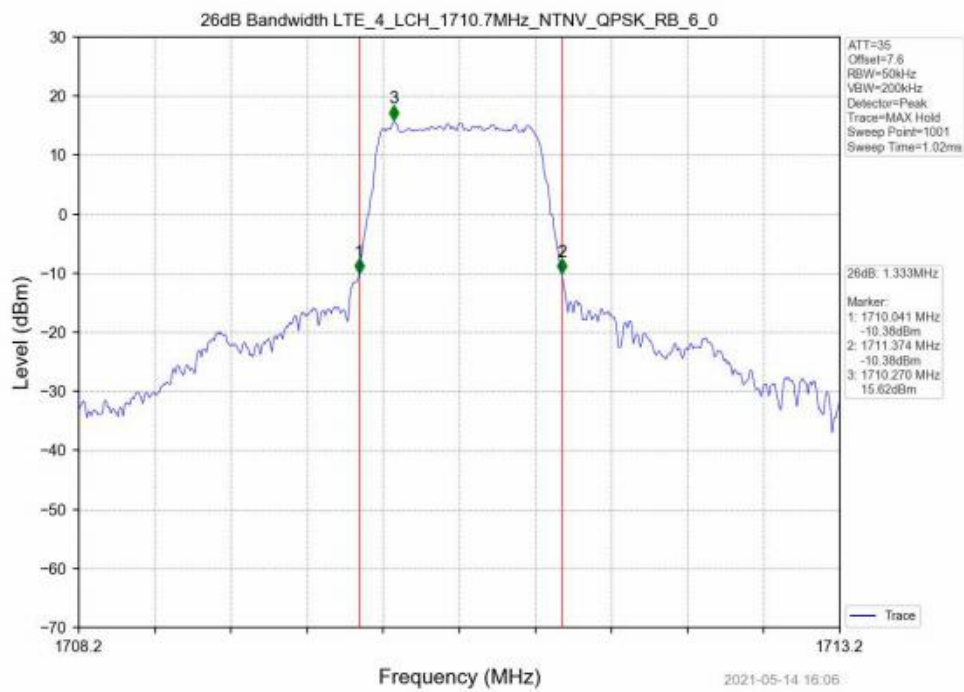


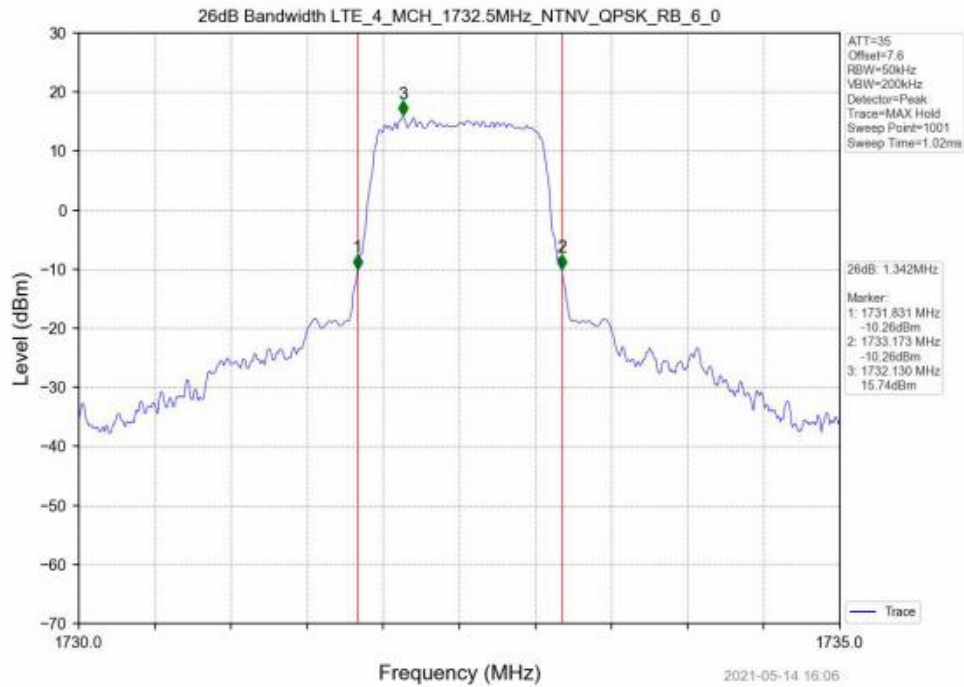
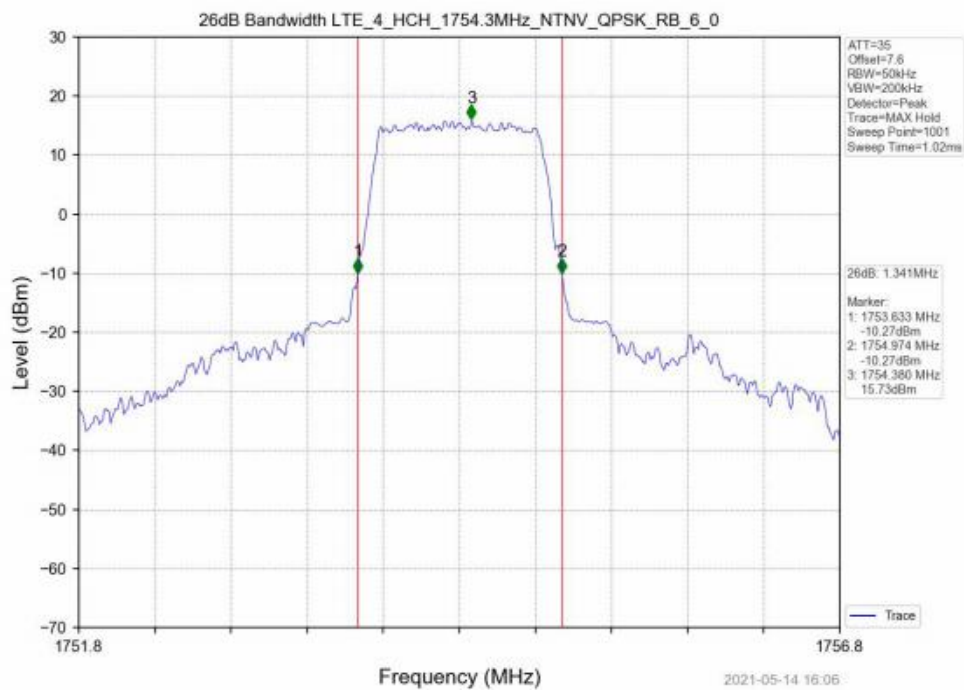


Test Band: 4 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.333	1.342	1.341	N/A	PASS
16QAM	6	0	1.329	1.325	1.323	N/A	PASS

Test Graph

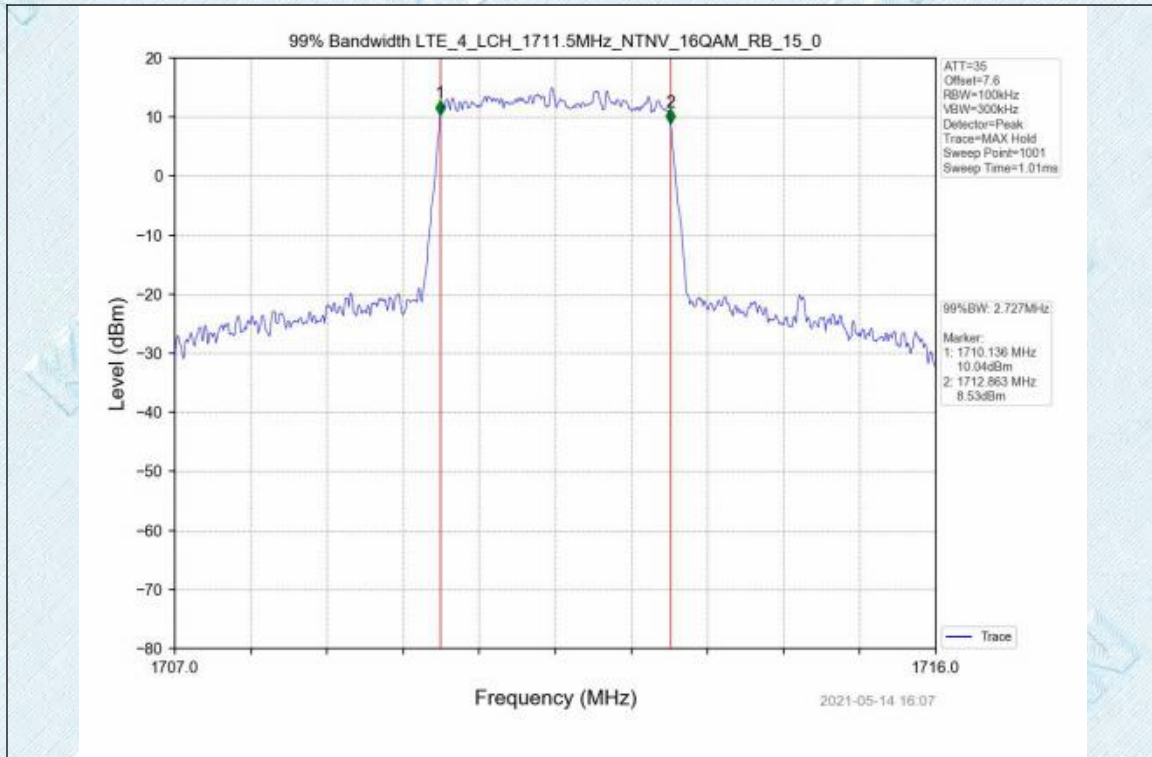


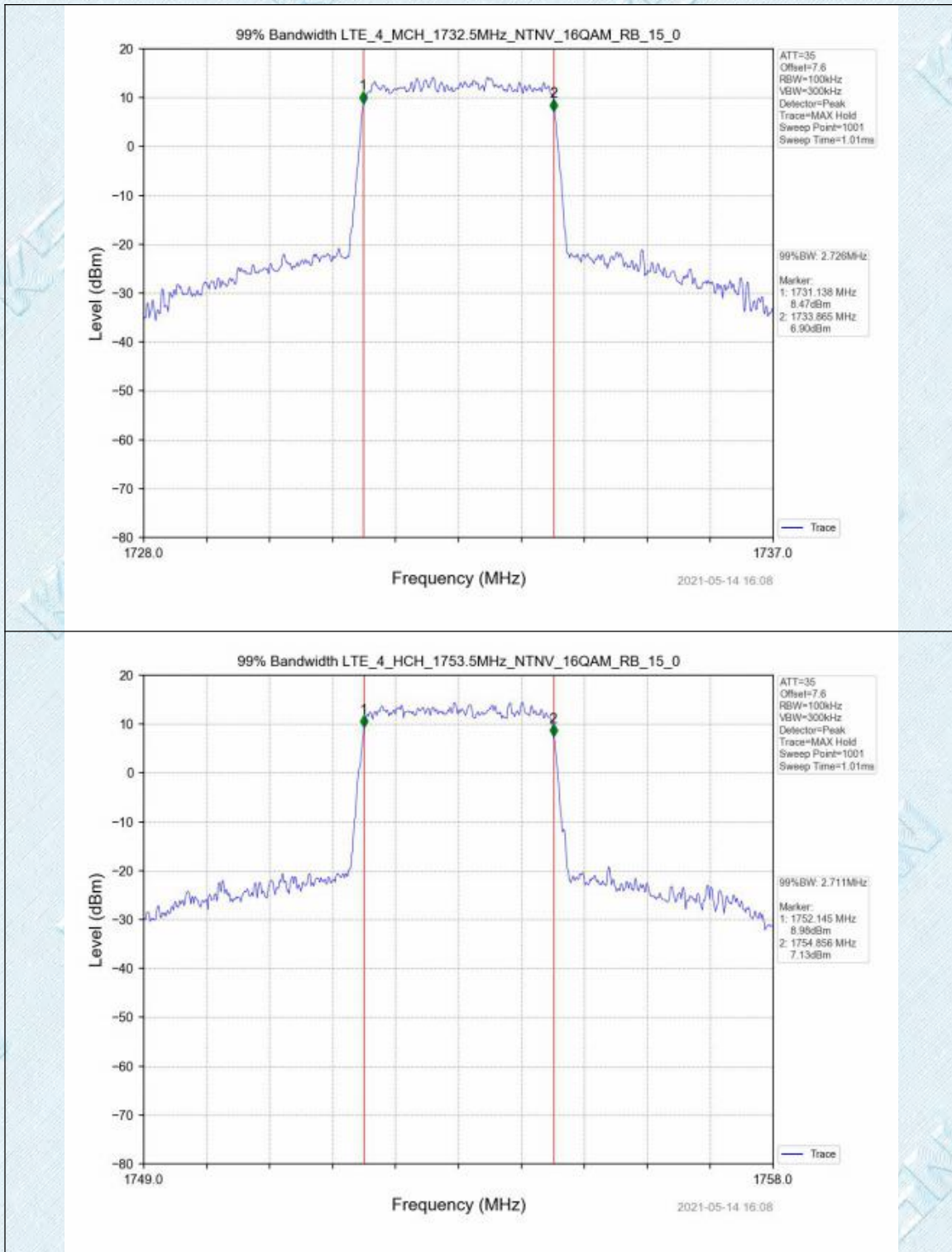


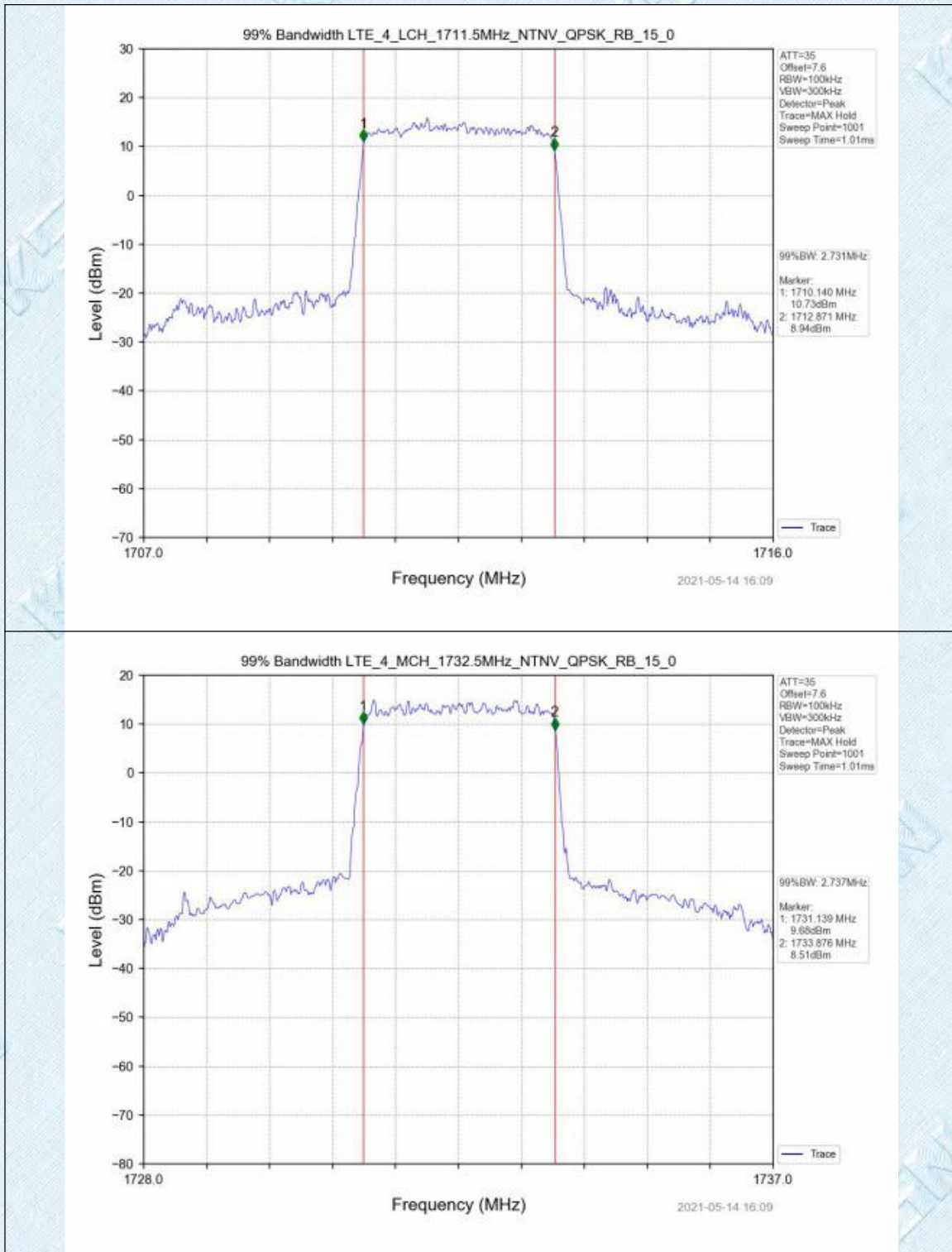


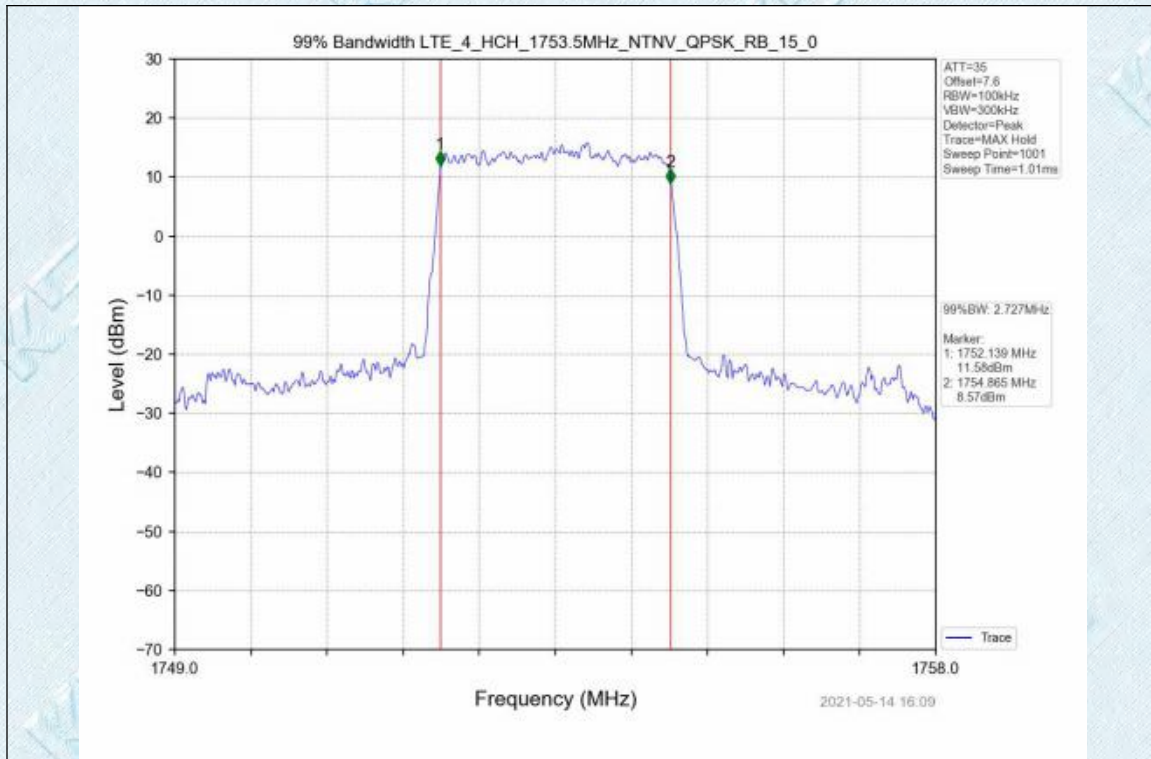
Test Band: 4 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.731	2.737	2.727	N/A	PASS
16QAM	15	0	2.727	2.726	2.711	N/A	PASS

Test Graph



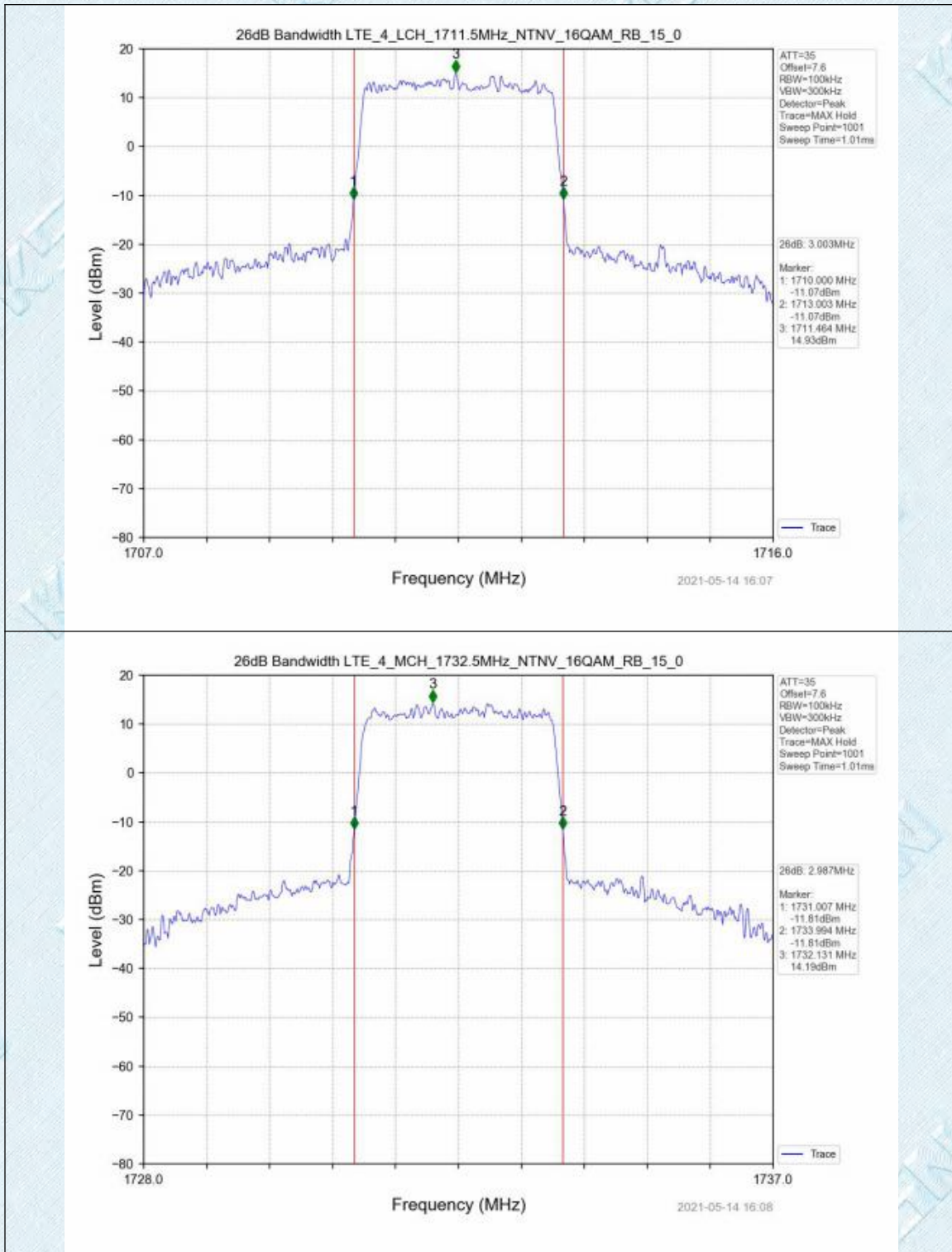


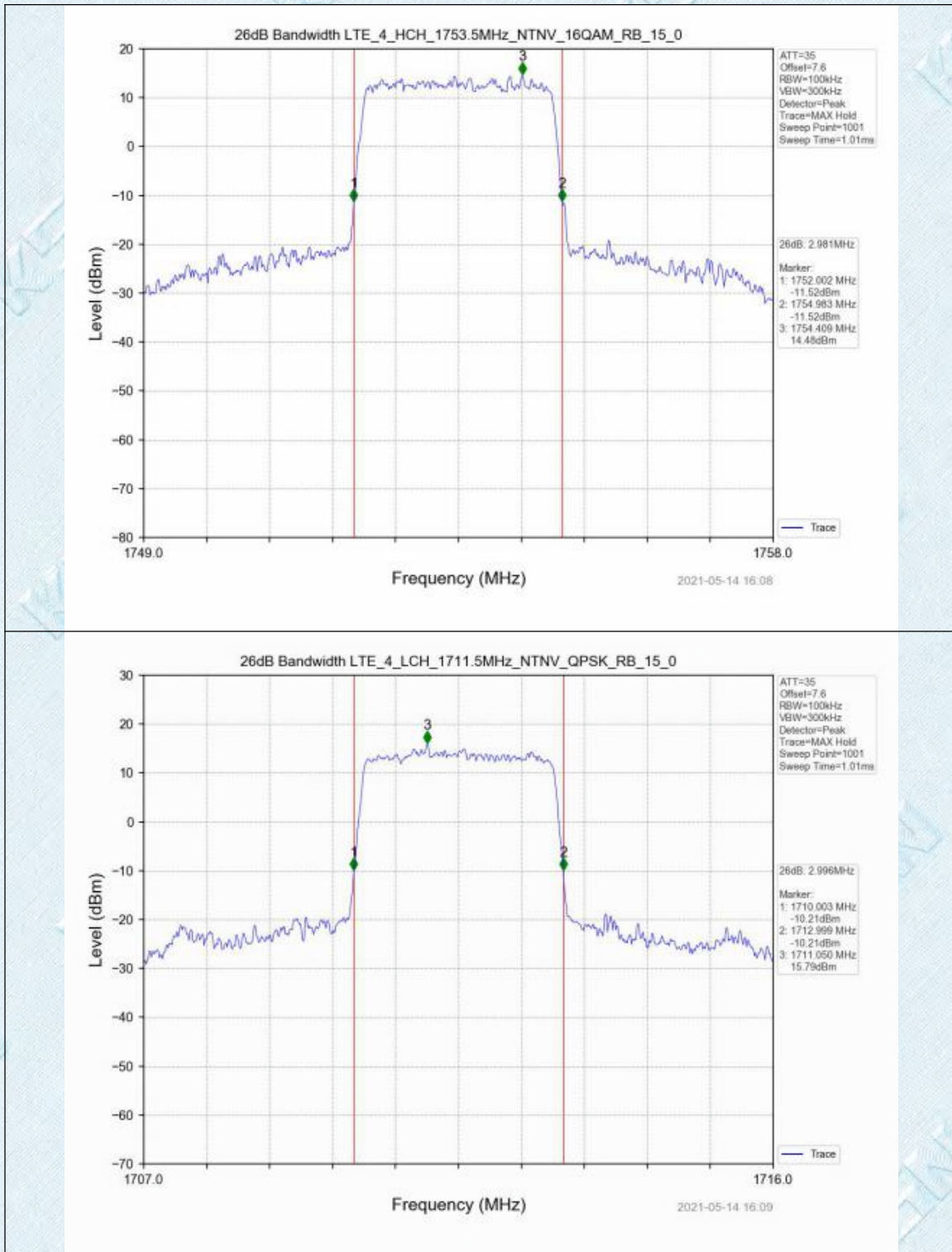


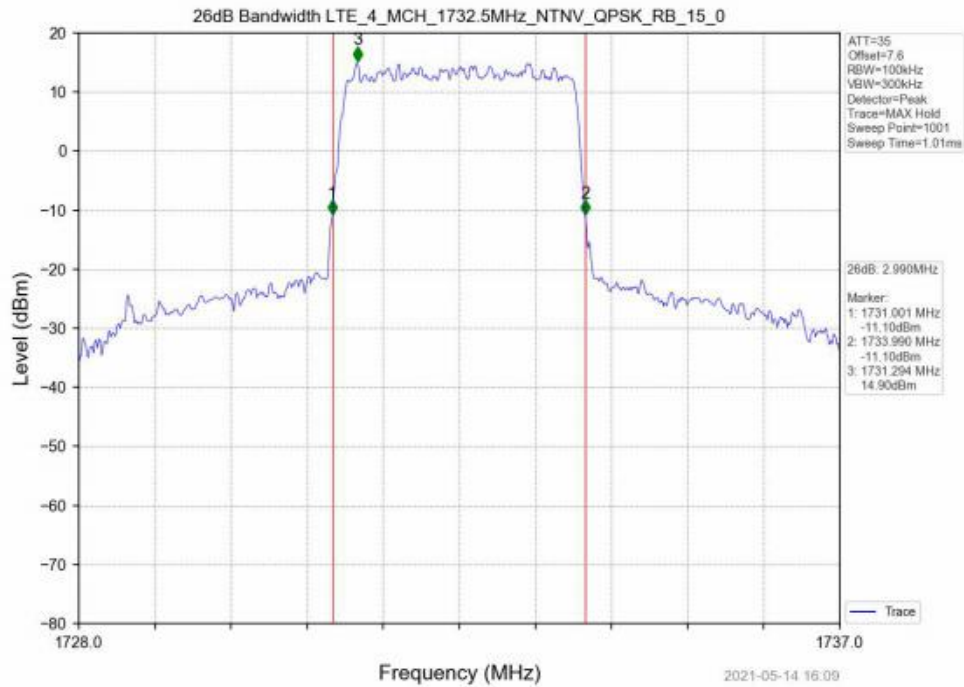
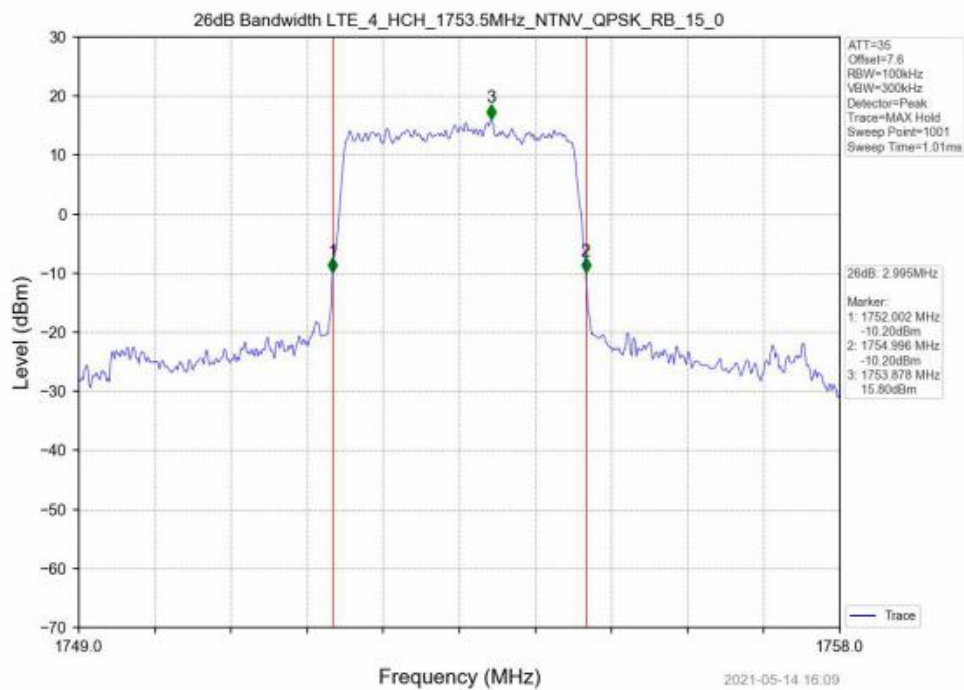


Test Band: 4 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.996	2.990	2.995	N/A	PASS
16QAM	15	0	3.003	2.987	2.981	N/A	PASS

Test Graph

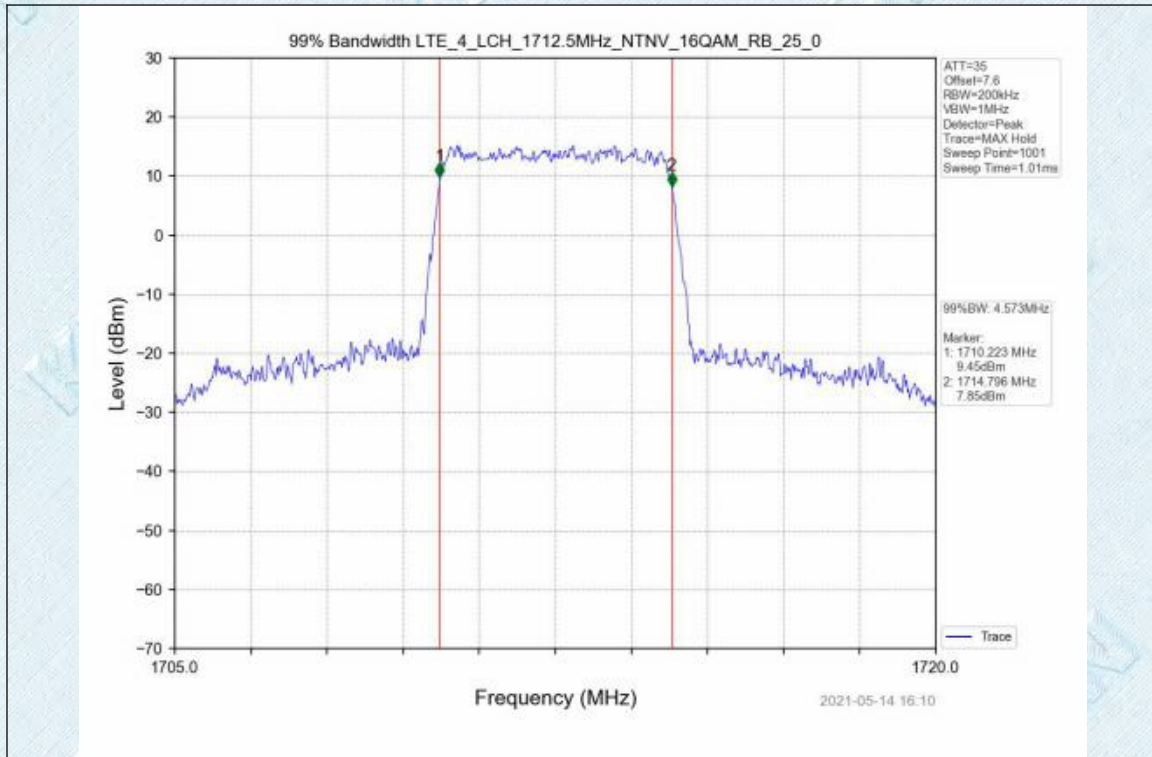


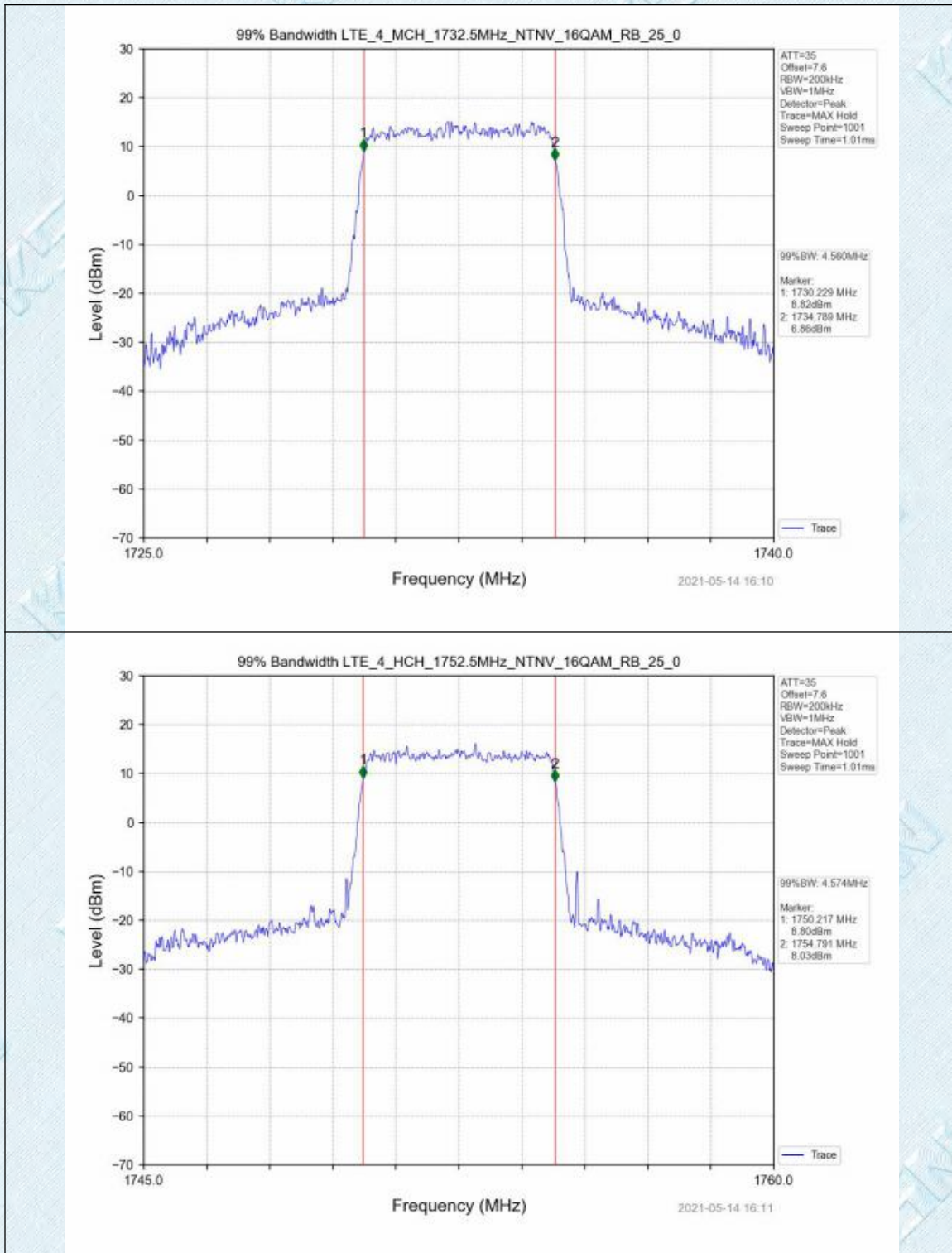


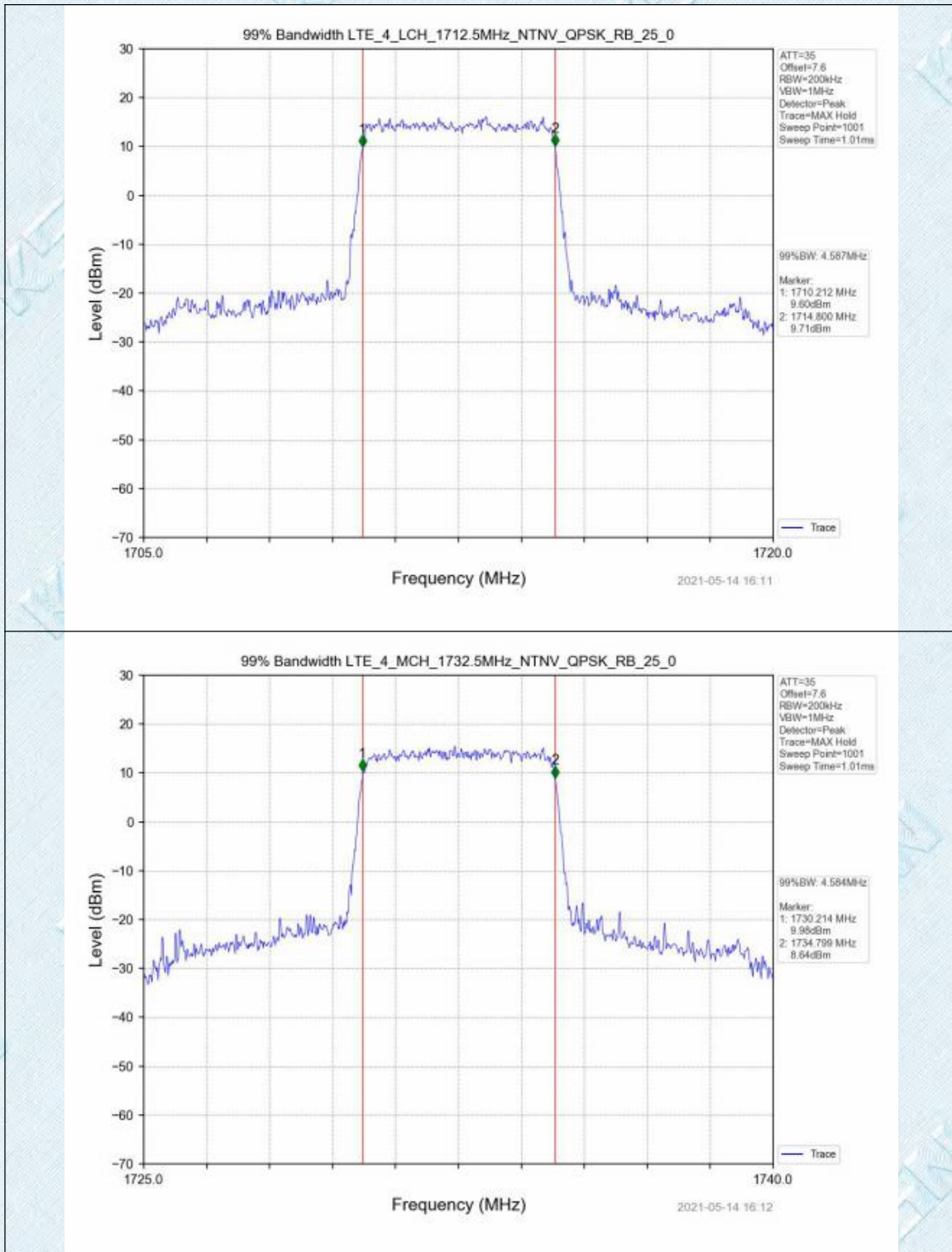


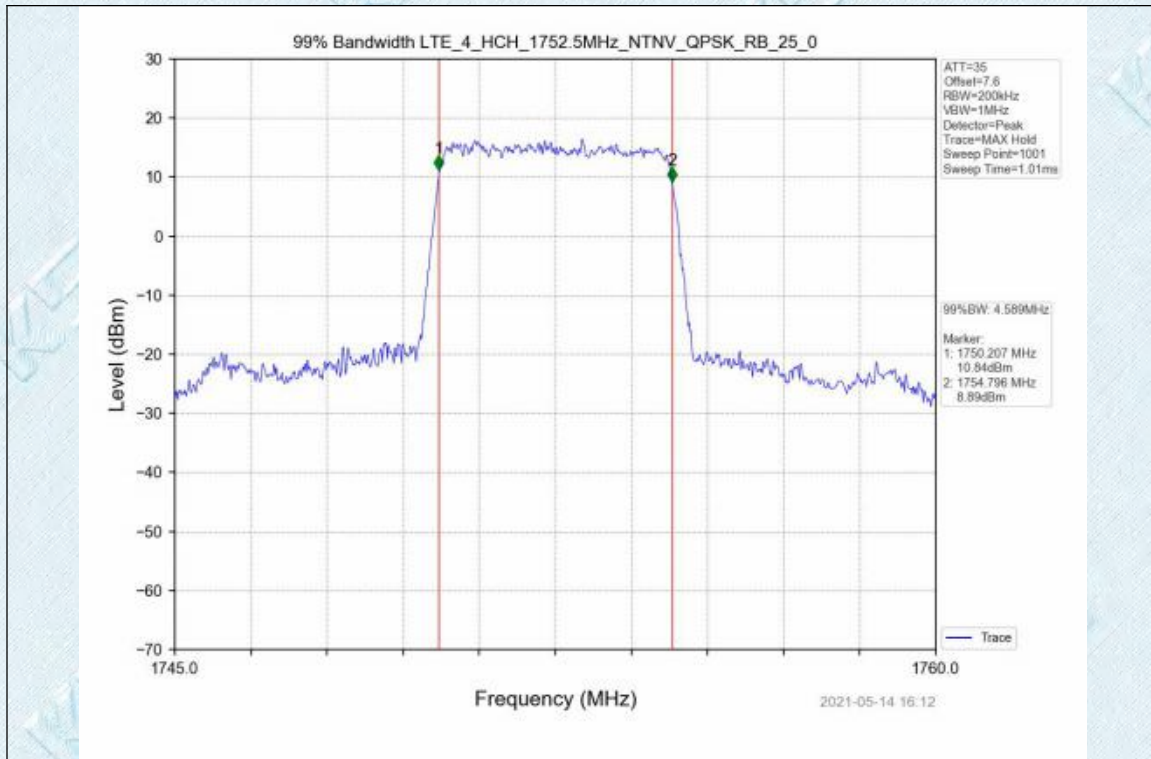
Test Band: 4 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.587	4.584	4.589	N/A	PASS
16QAM	25	0	4.573	4.560	4.574	N/A	PASS

Test Graph



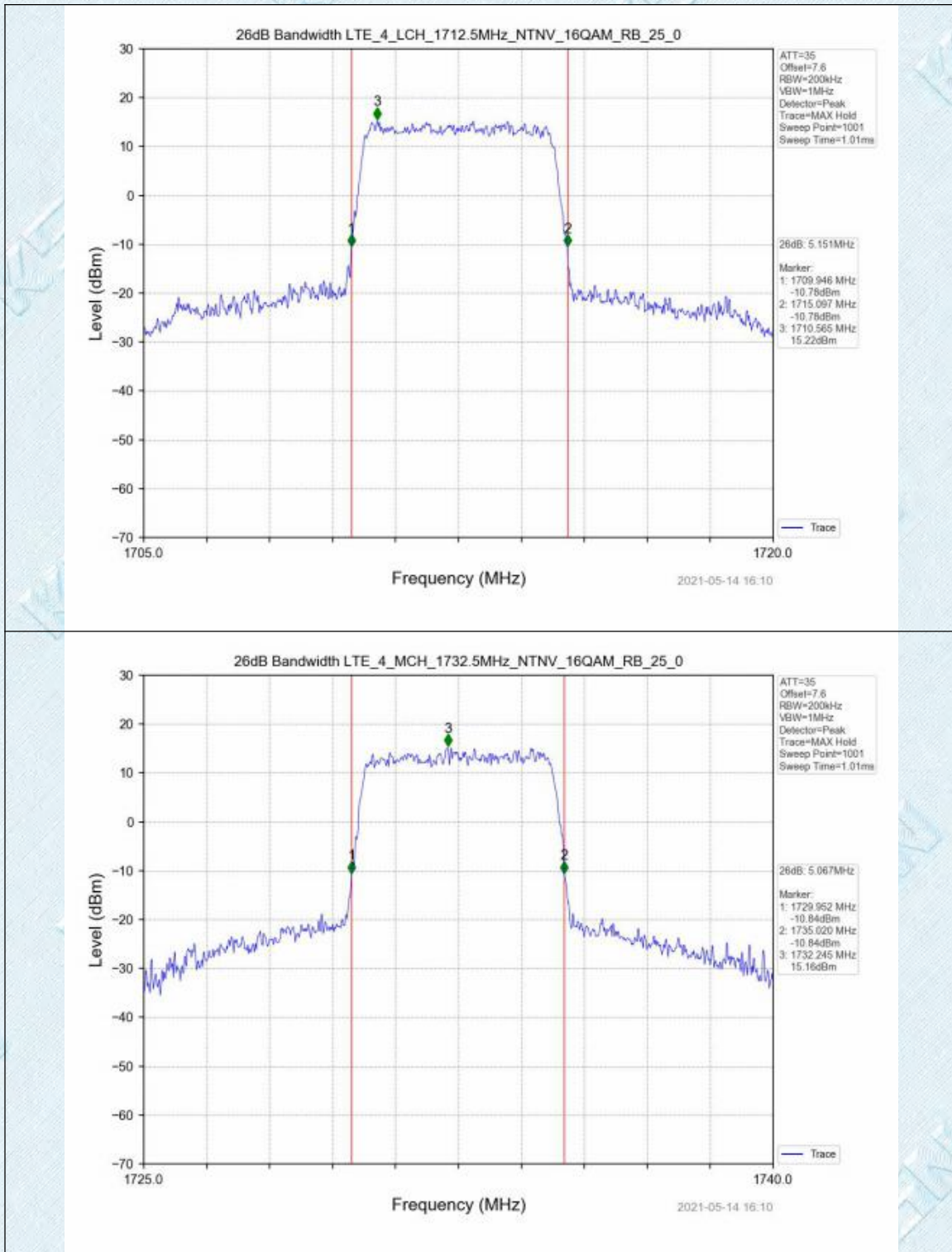


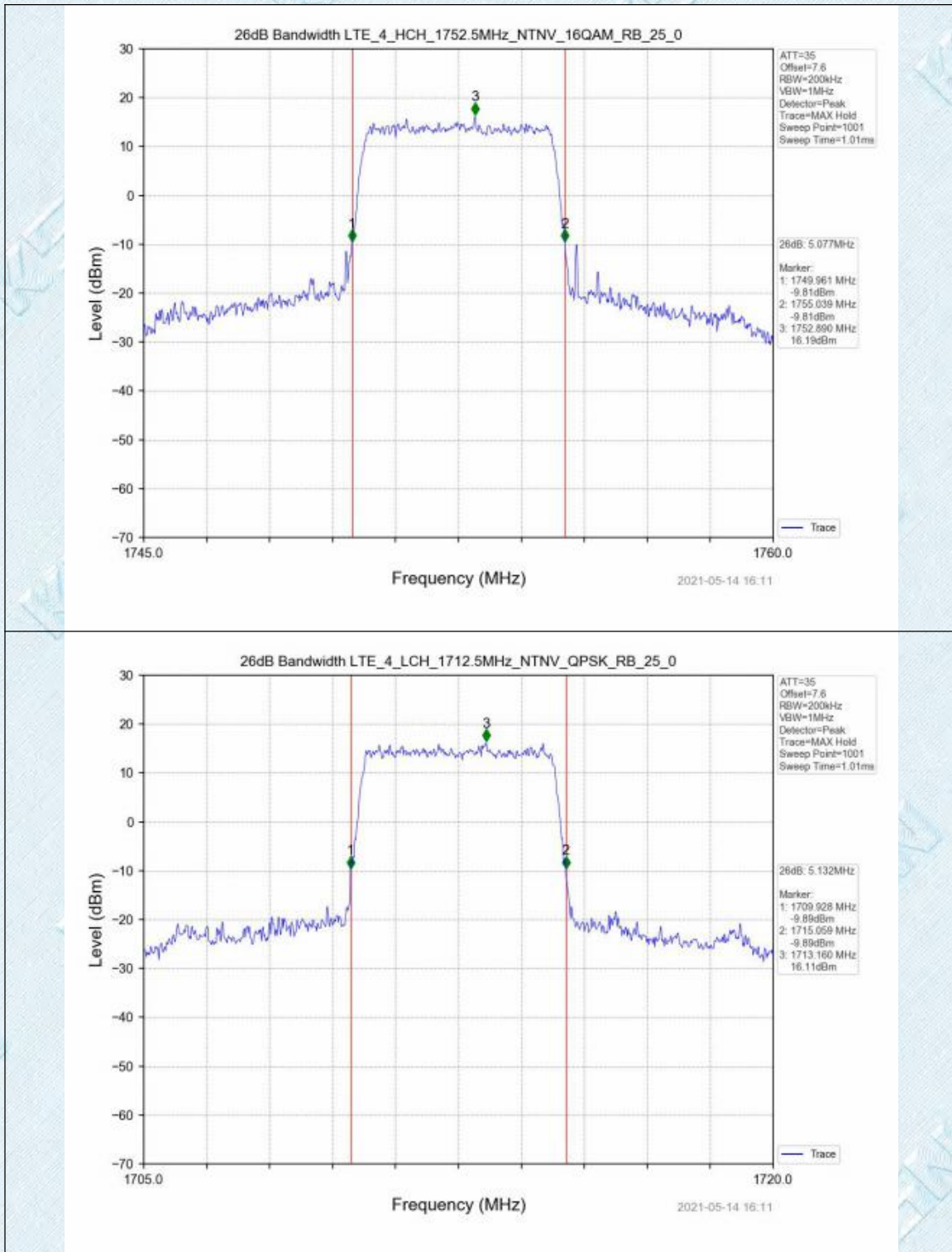


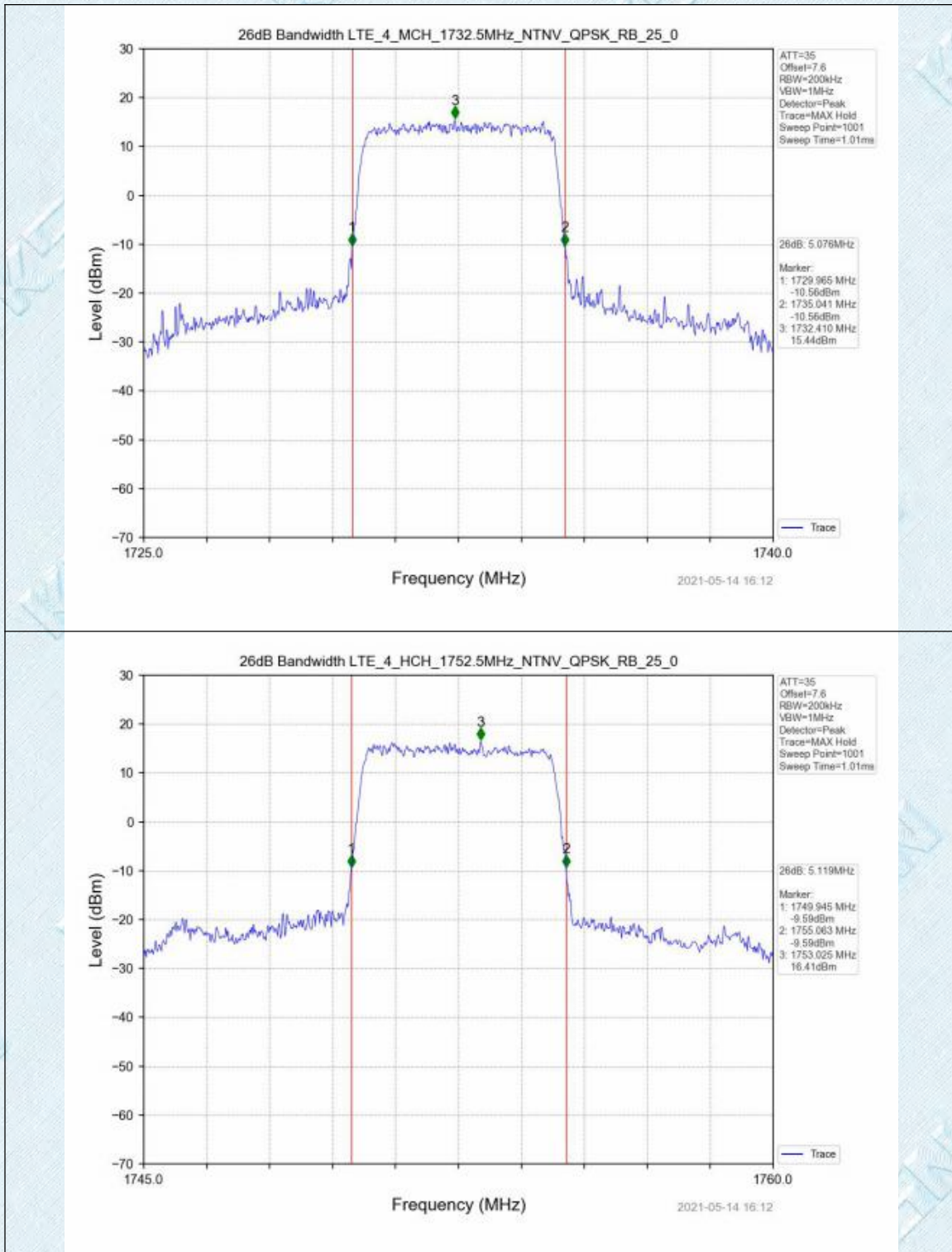


Test Band: 4 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.132	5.076	5.119	N/A	PASS
16QAM	25	0	5.151	5.067	5.077	N/A	PASS

Test Graph

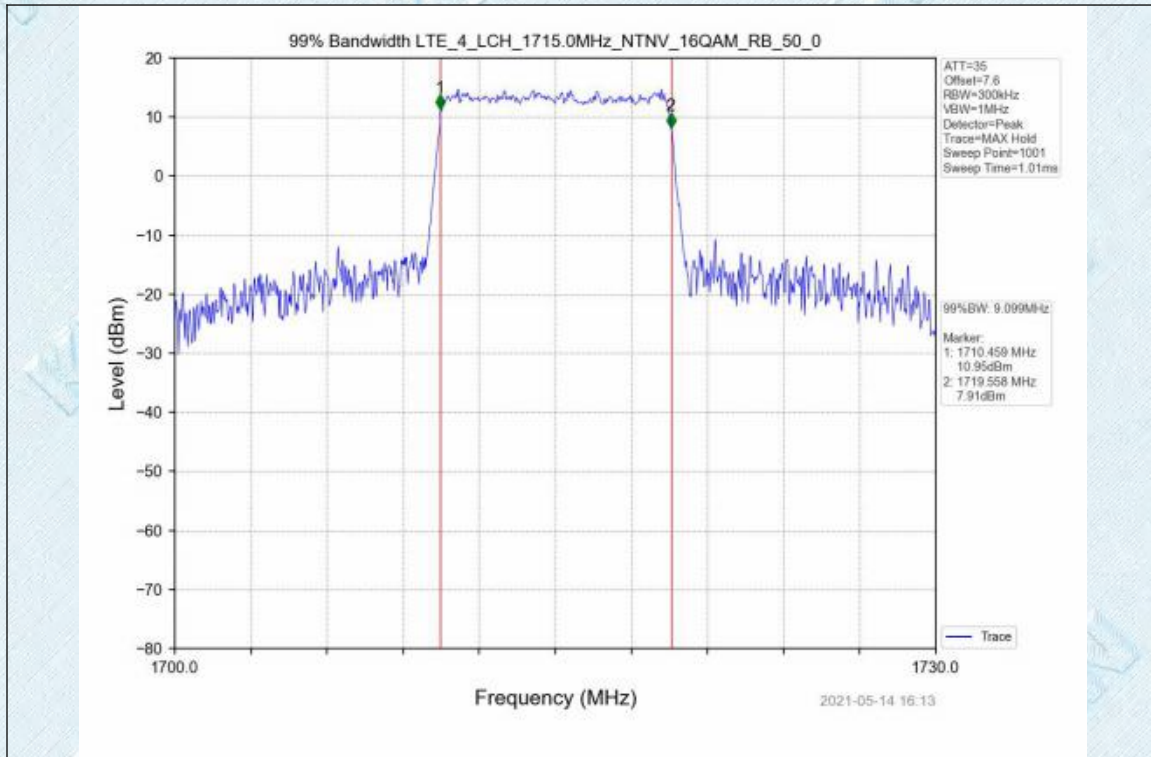


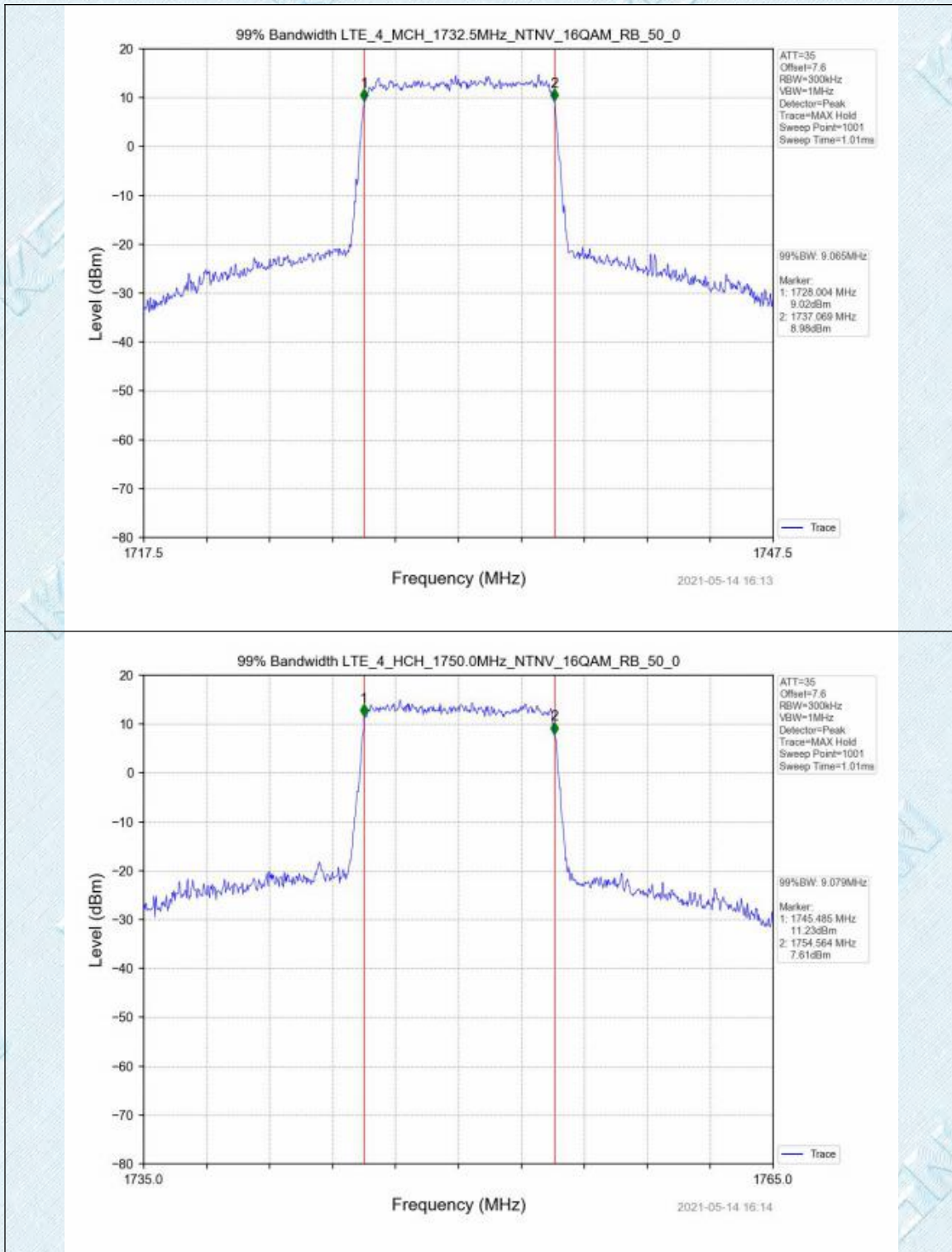


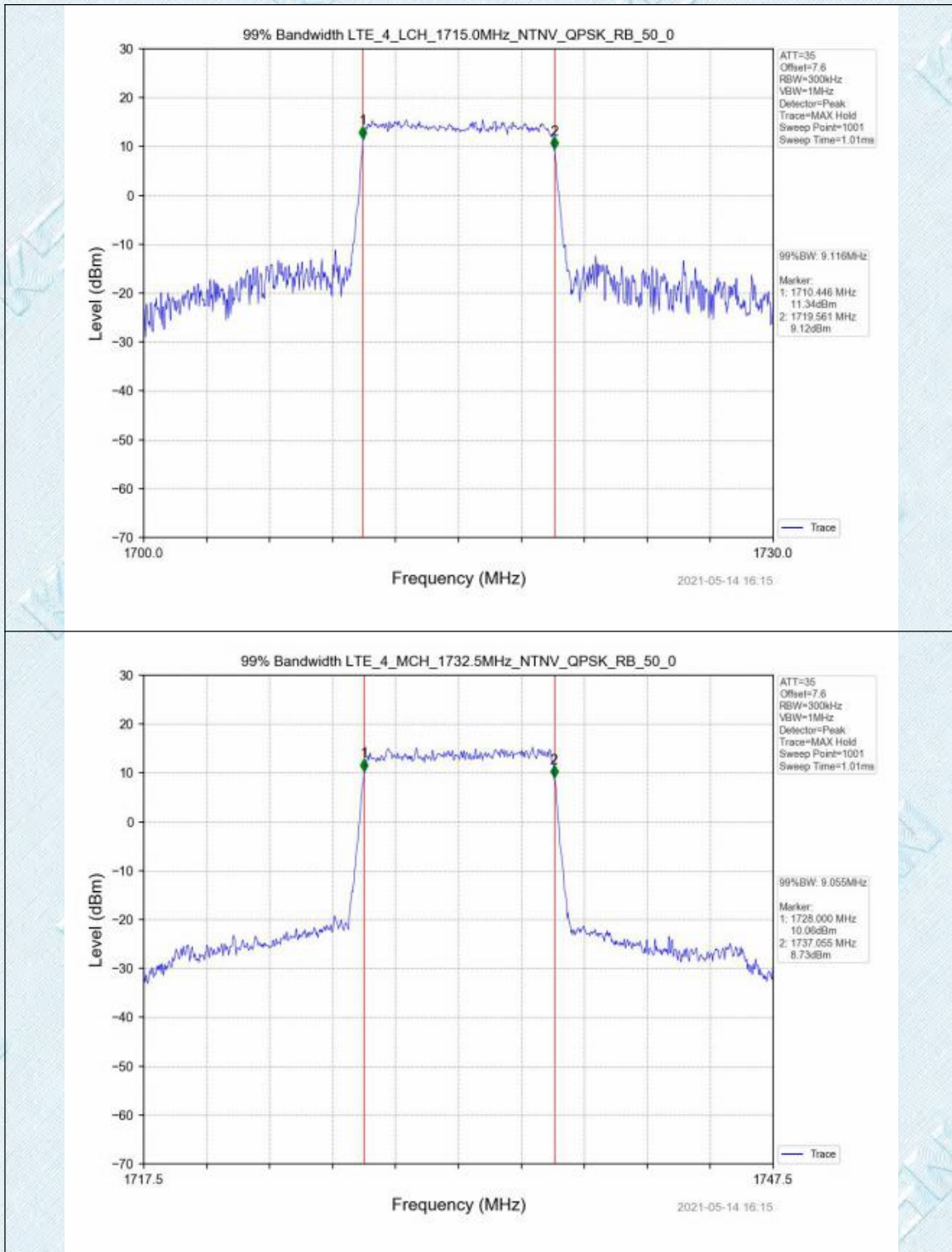


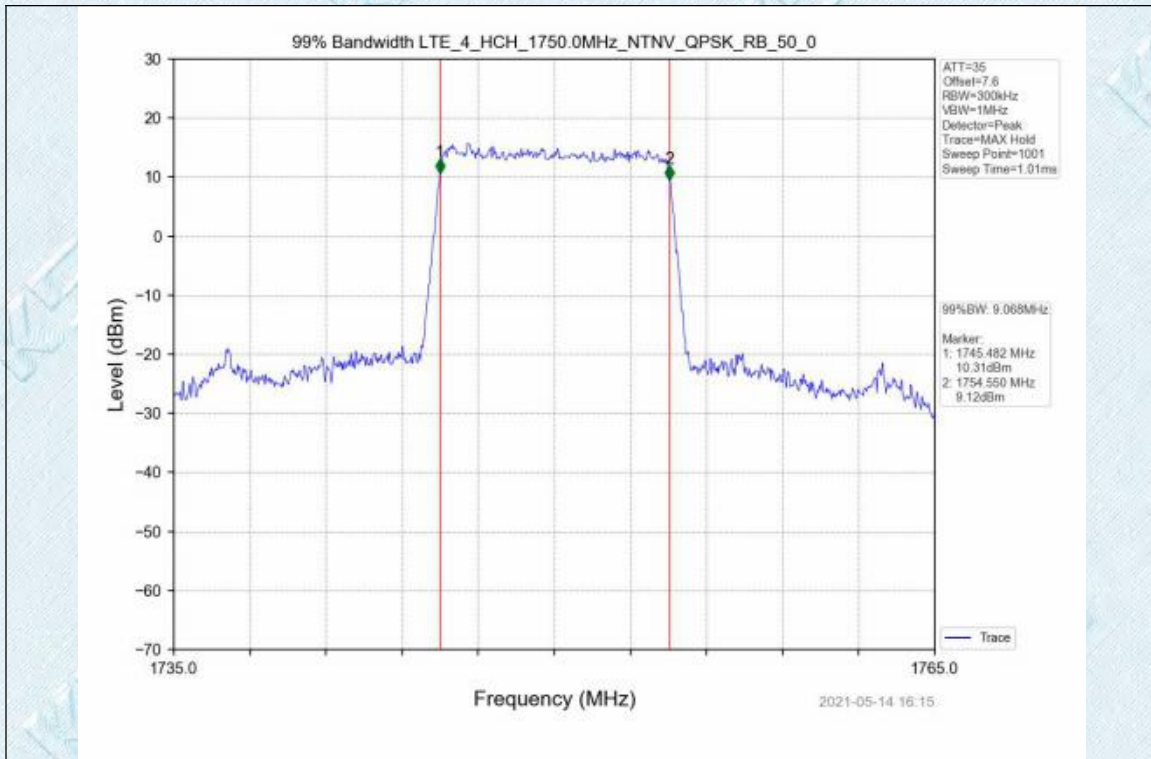
Test Band: 4 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.116	9.055	9.068	N/A	PASS
16QAM	50	0	9.099	9.065	9.079	N/A	PASS

Test Graph



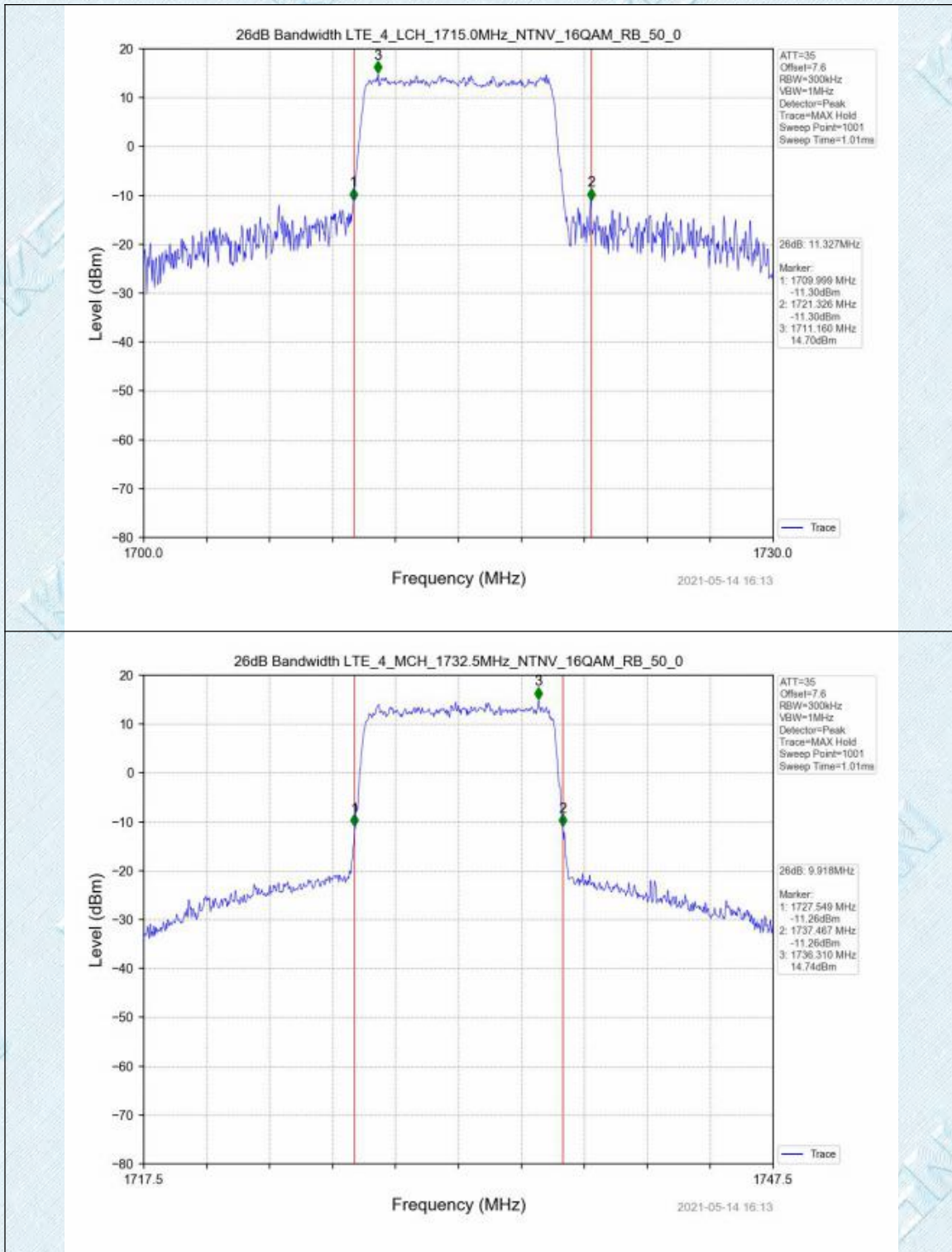


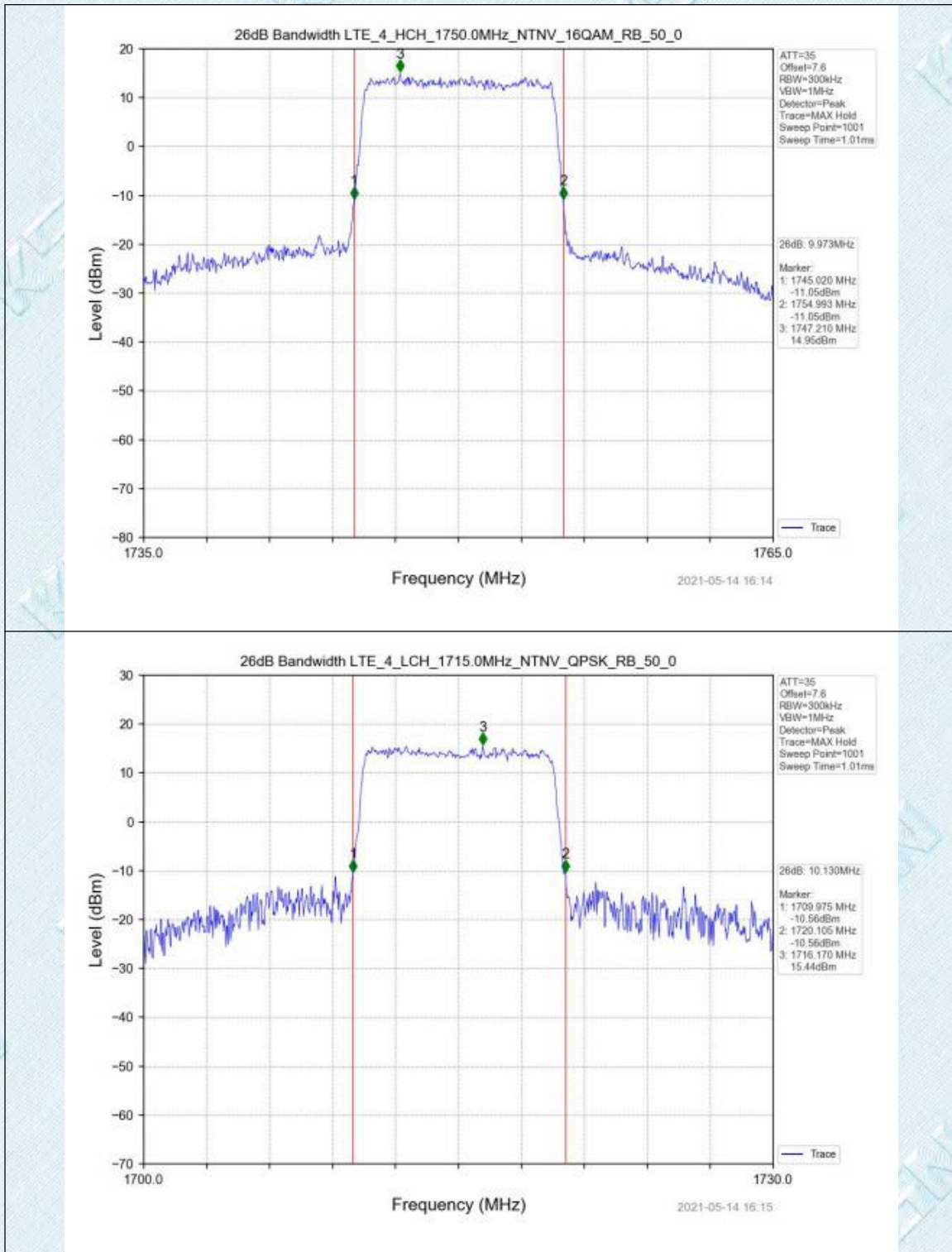


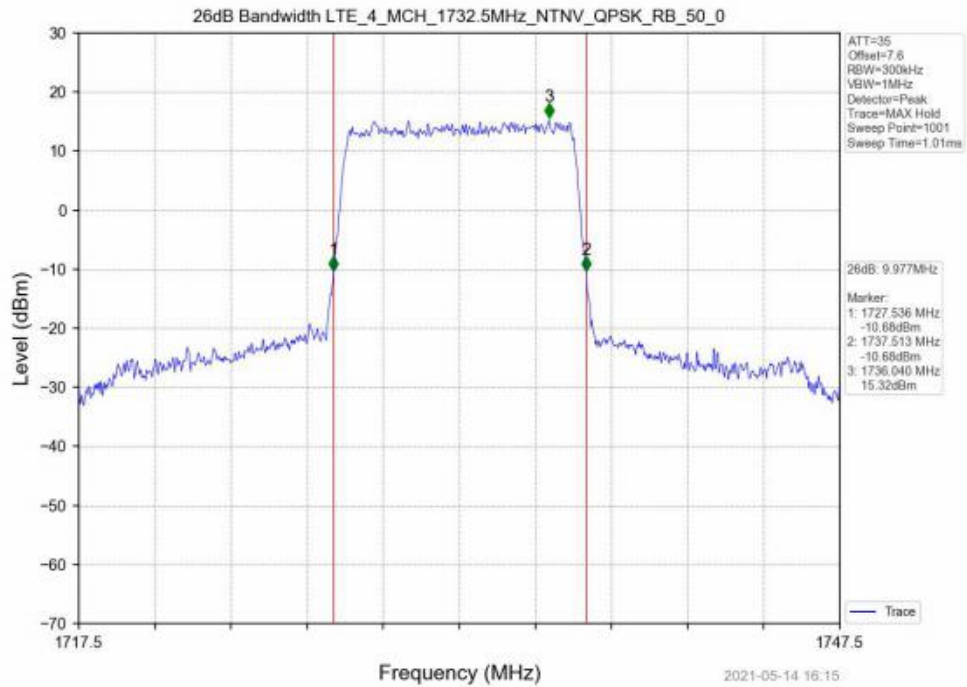
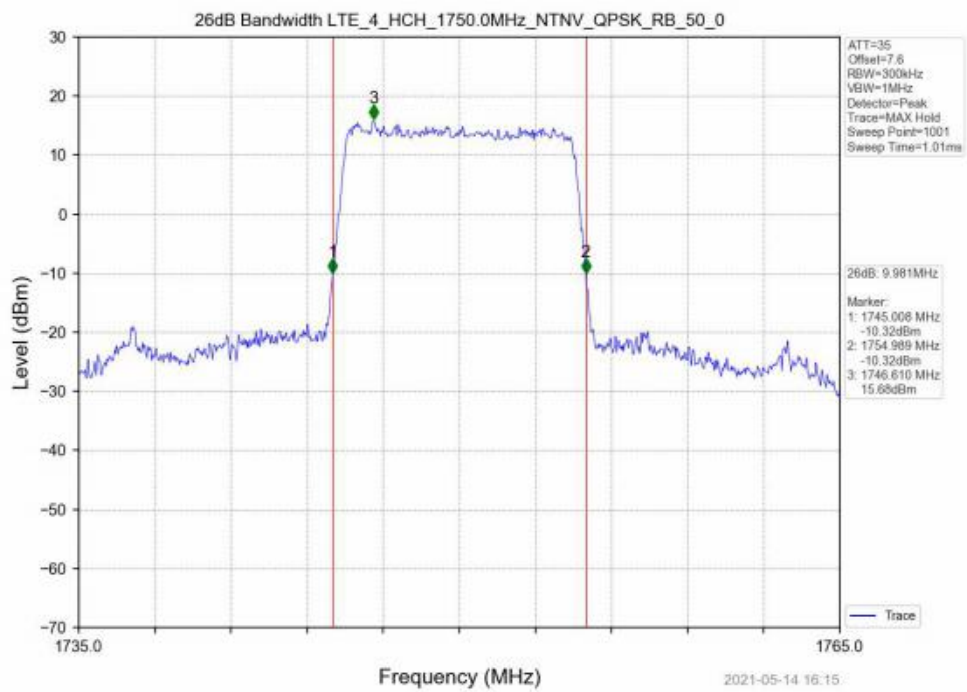


Test Band: 4 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.130	9.977	9.981	N/A	PASS
16QAM	50	0	11.327	9.918	9.973	N/A	PASS

Test Graph

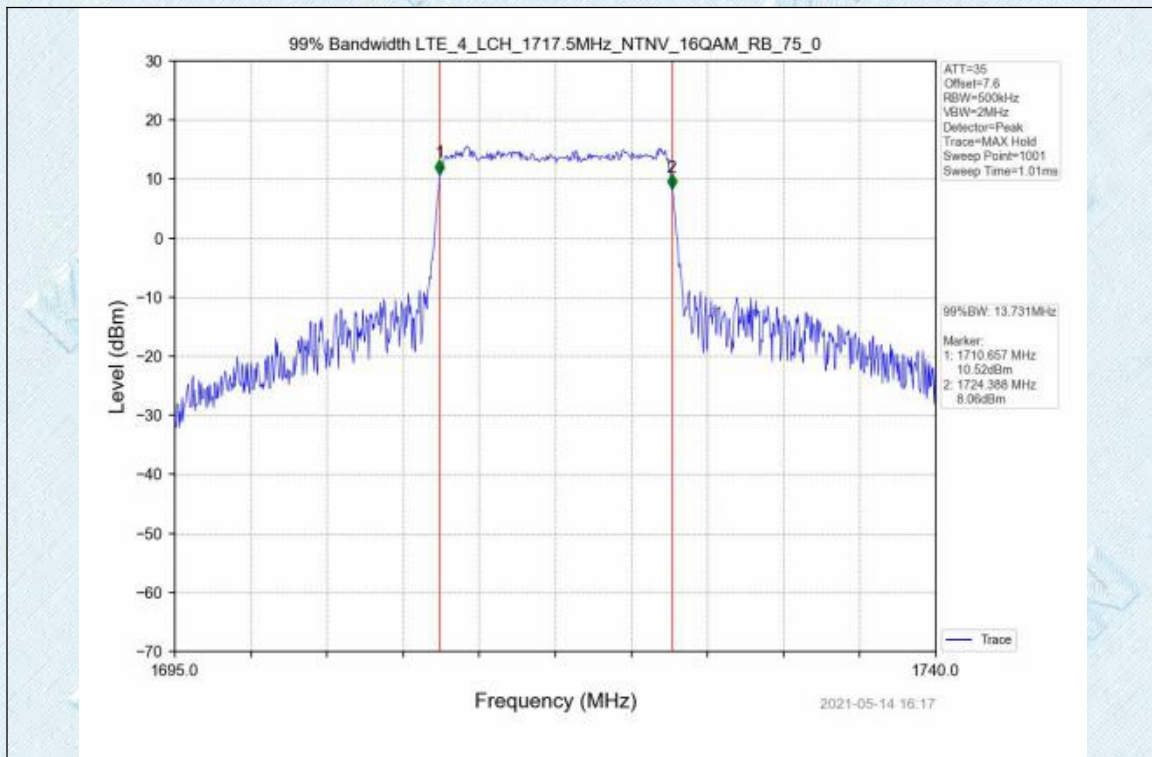


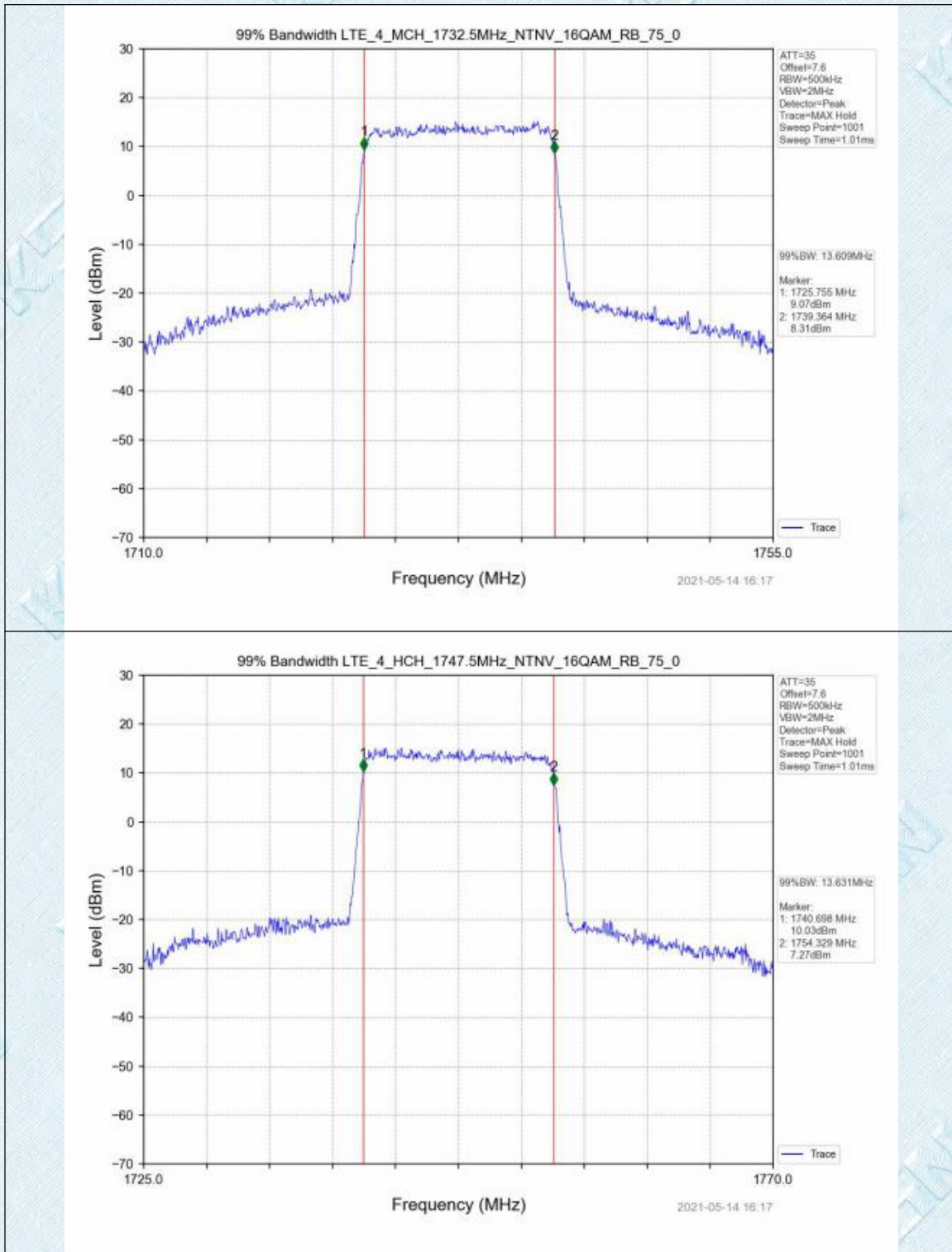


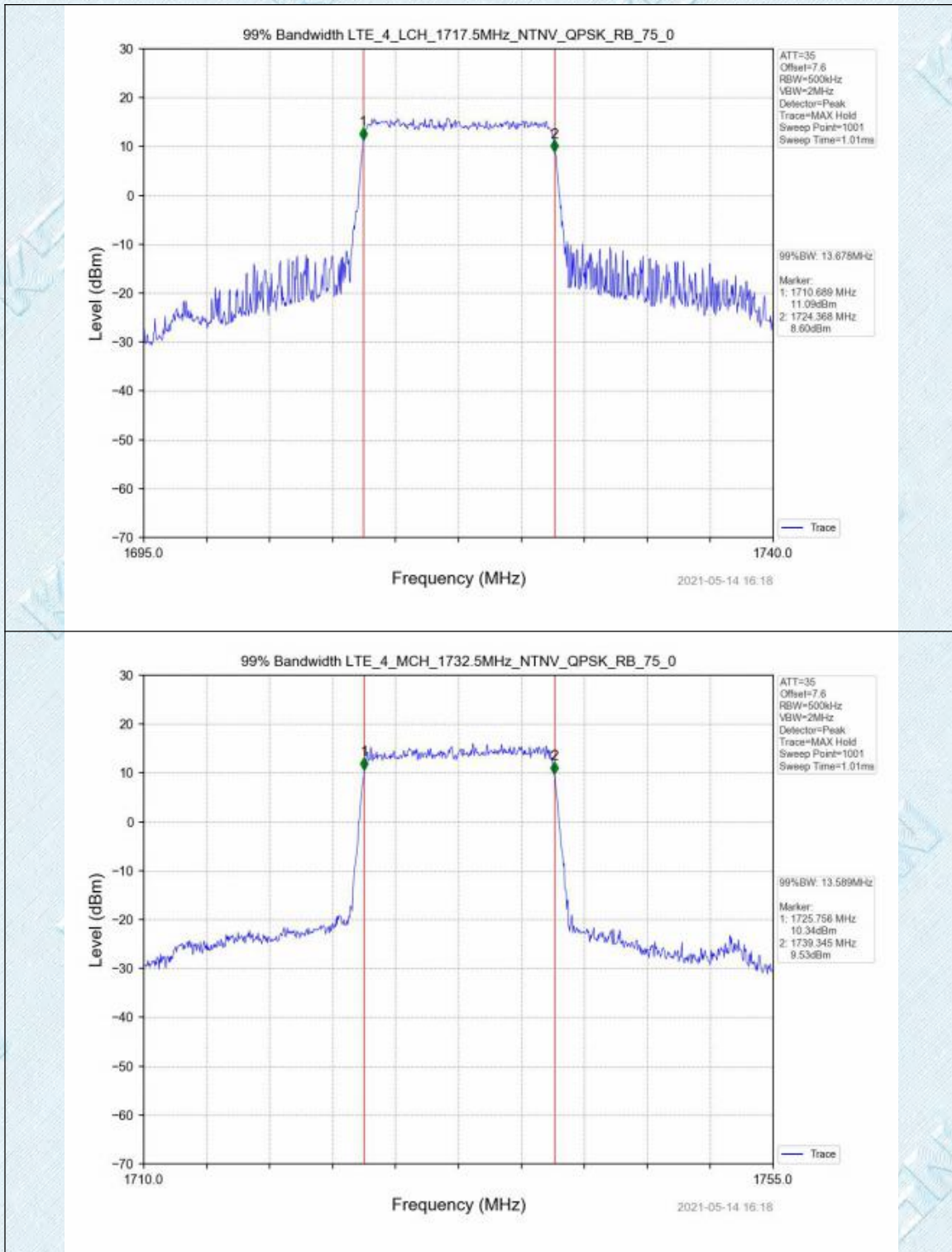


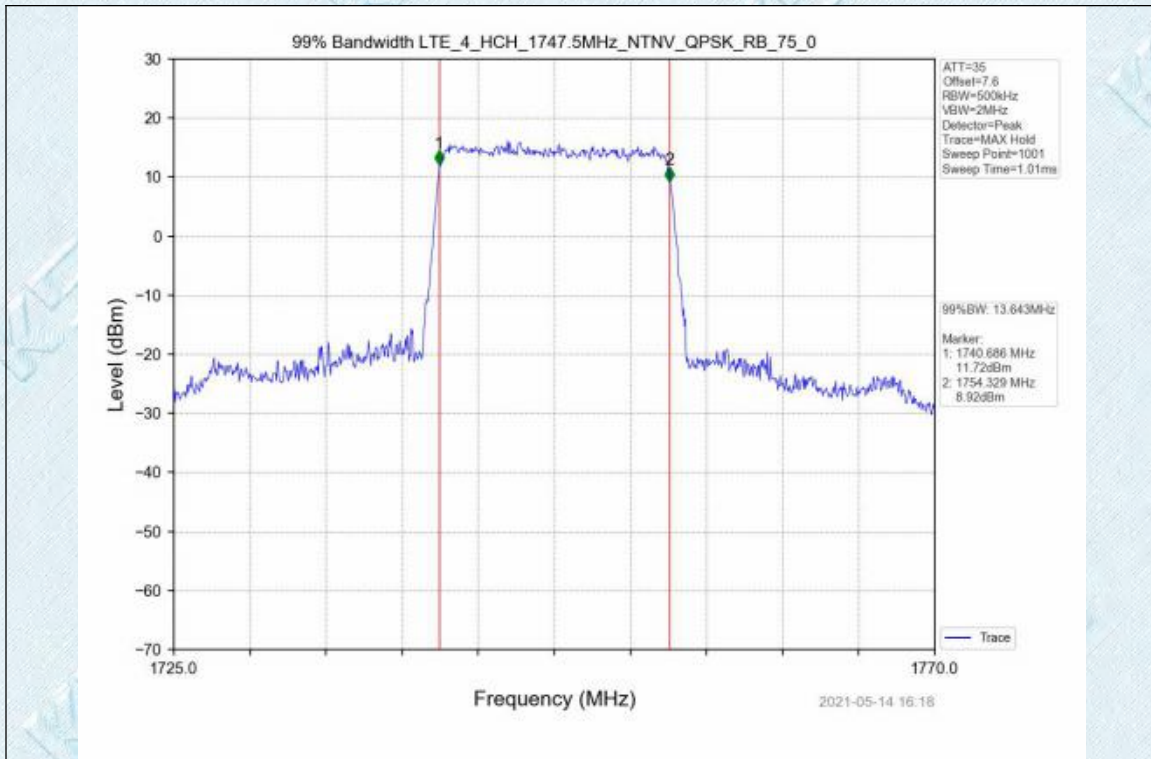
Test Band: 4 15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.678	13.589	13.643	N/A	PASS
16QAM	75	0	13.731	13.609	13.631	N/A	PASS

Test Graph



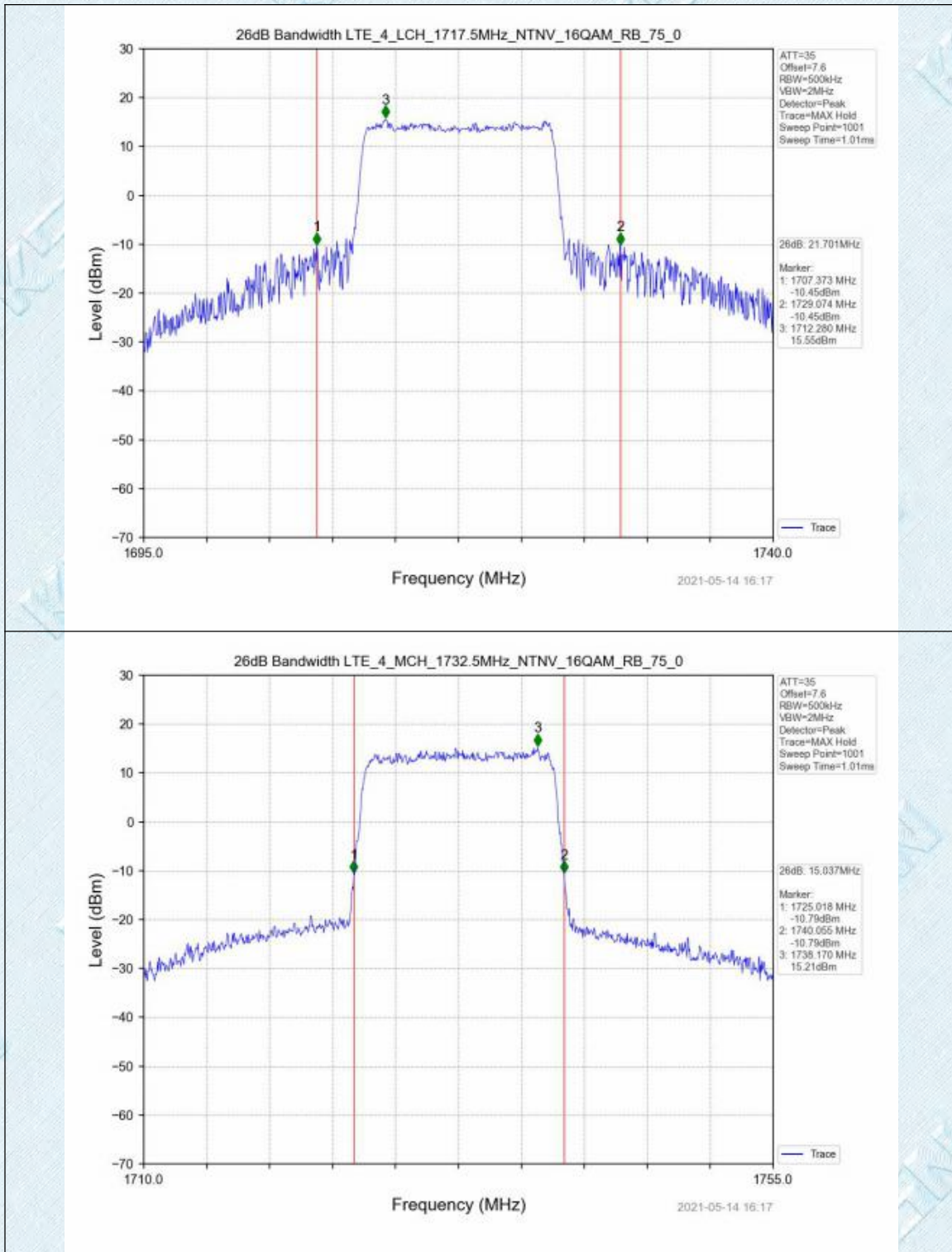


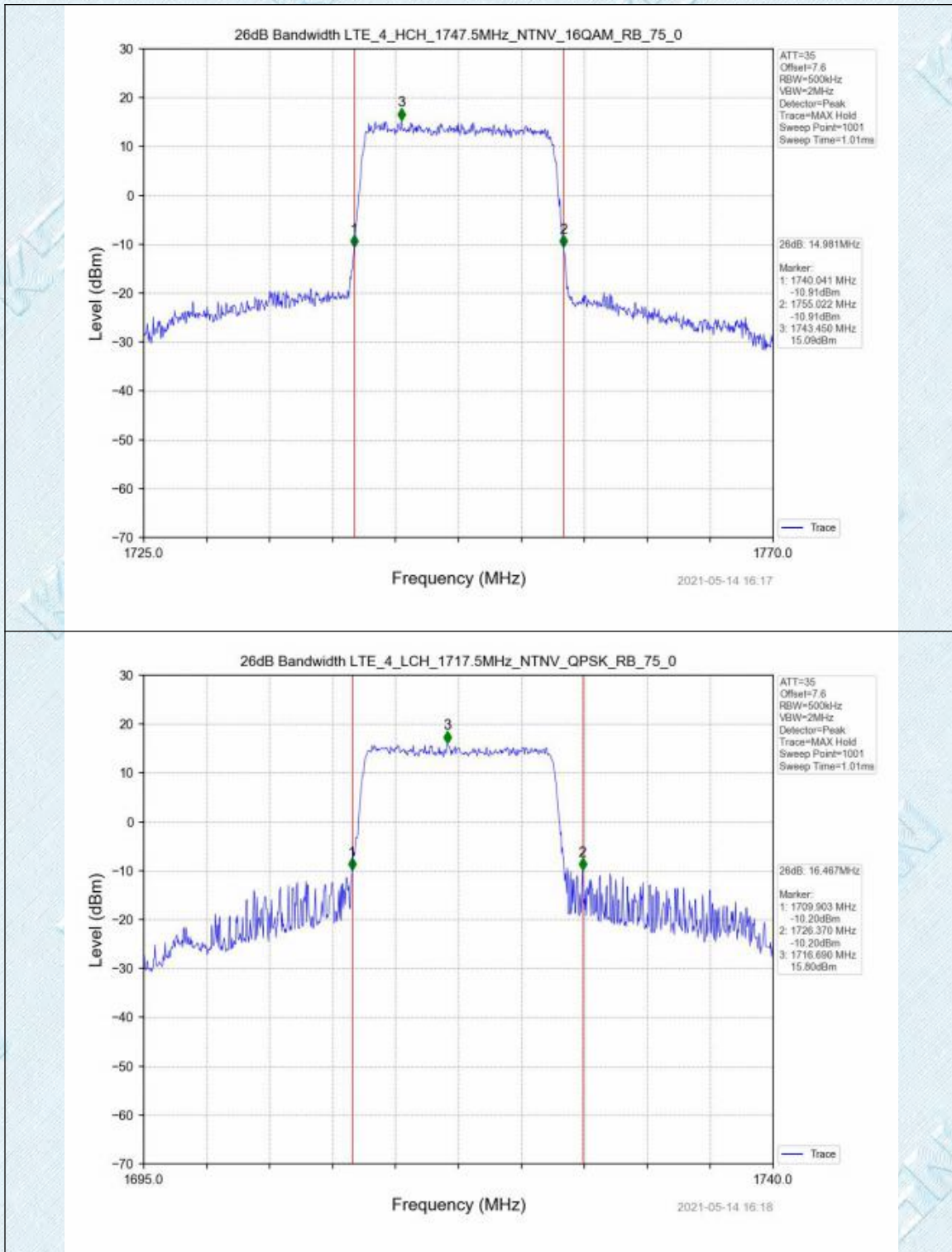


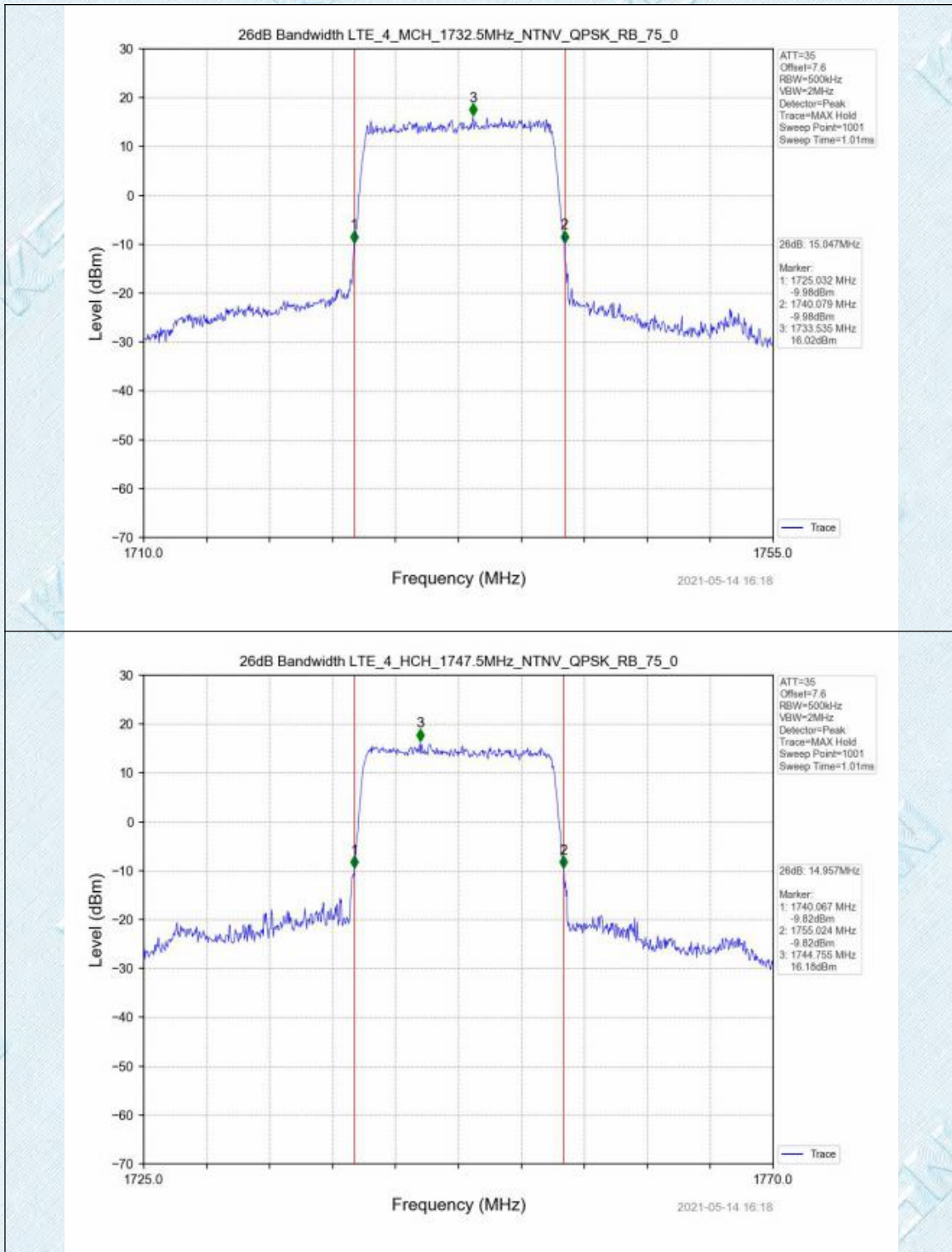


Test Band: 4 15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	16.467	15.047	14.957	N/A	PASS
16QAM	75	0	21.701	15.037	14.981	N/A	PASS

Test Graph

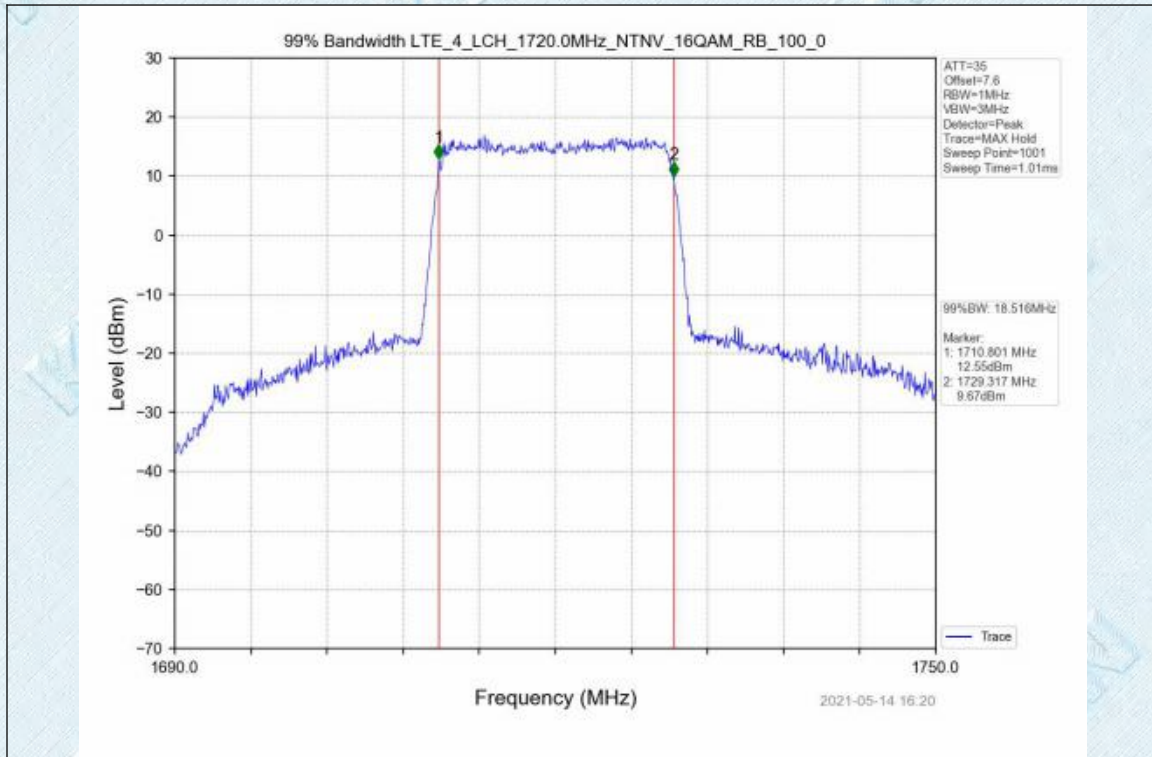


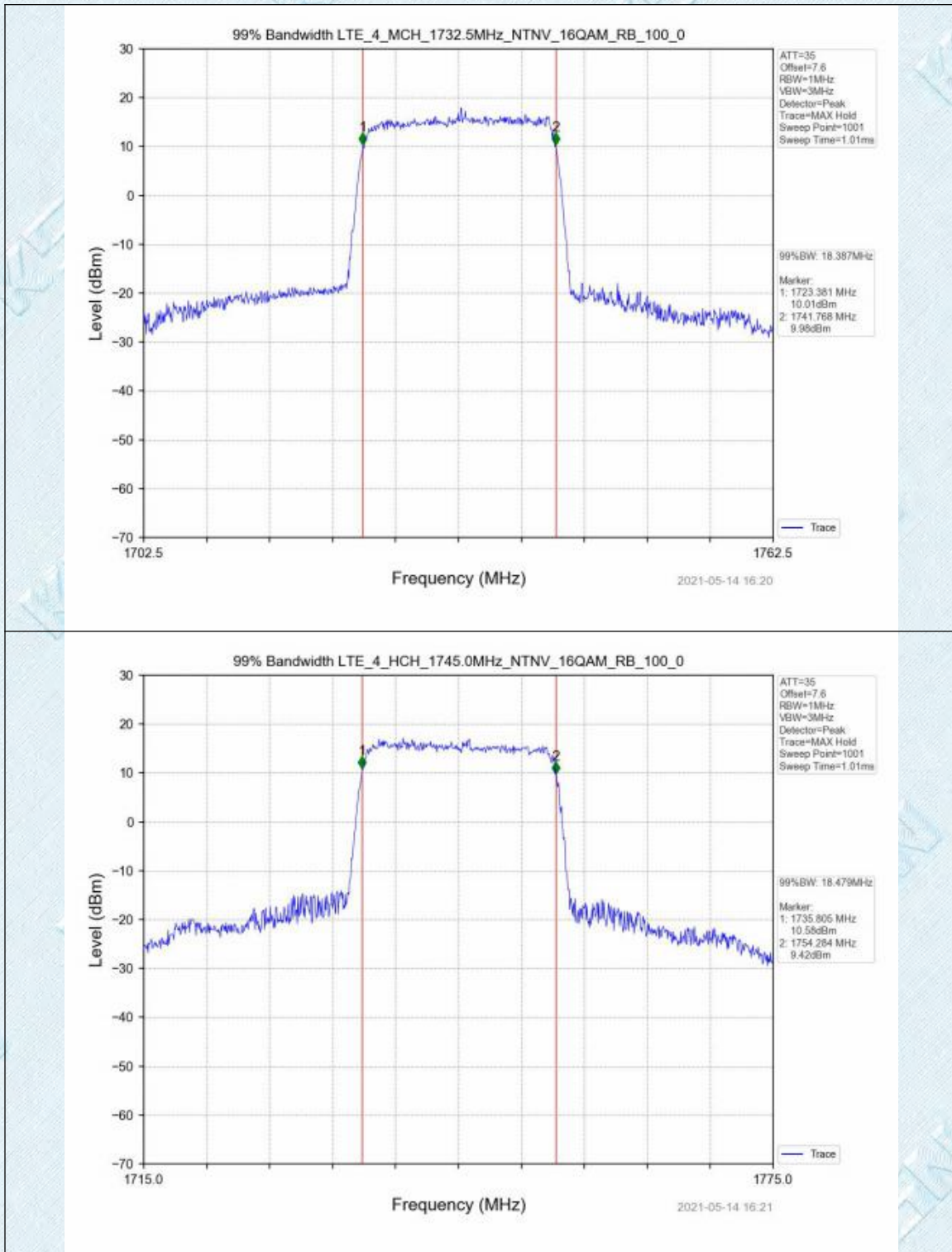


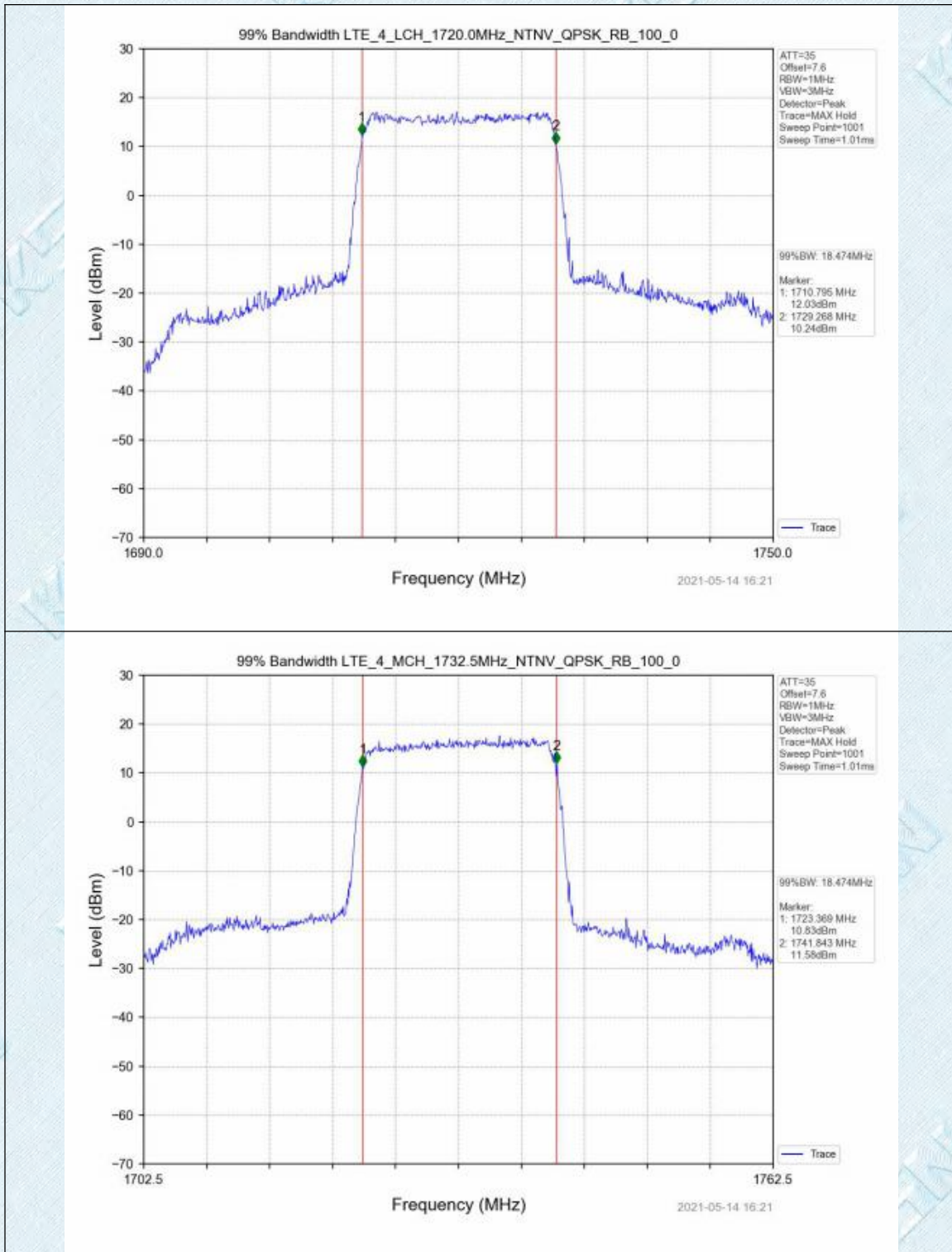


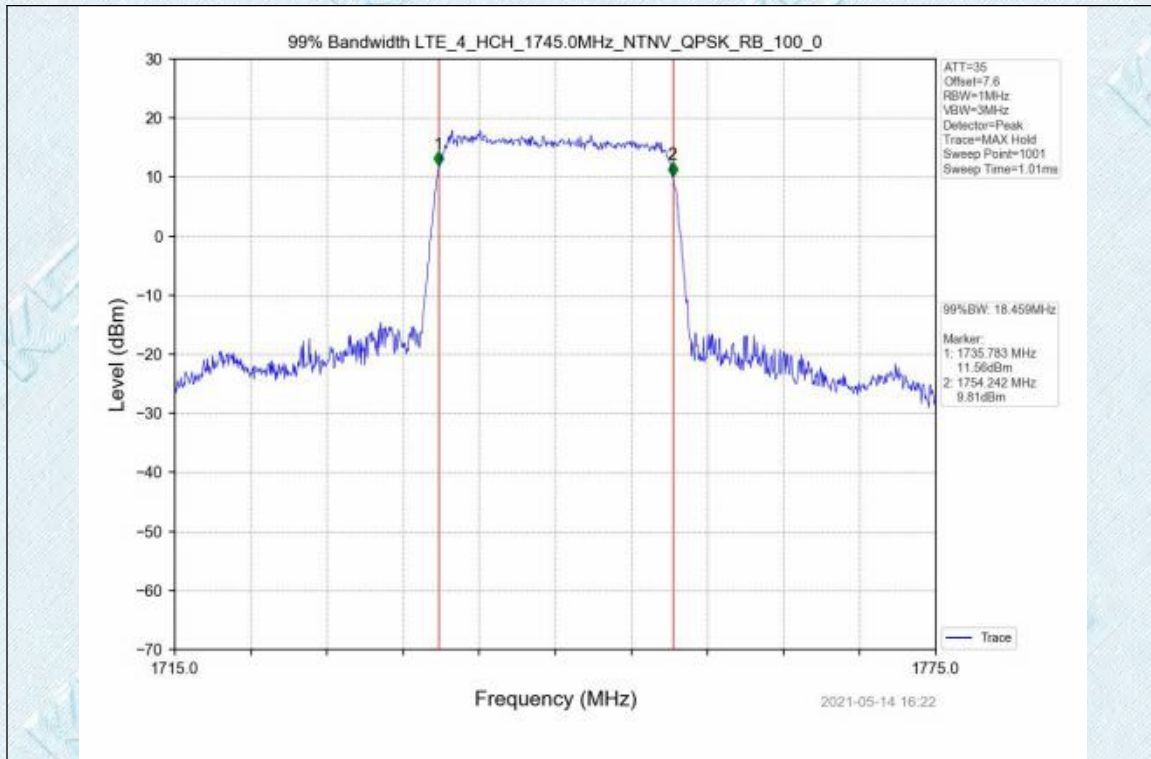
Test Band: 4_20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.474	18.474	18.459	N/A	PASS
16QAM	100	0	18.516	18.387	18.479	N/A	PASS

Test Graph



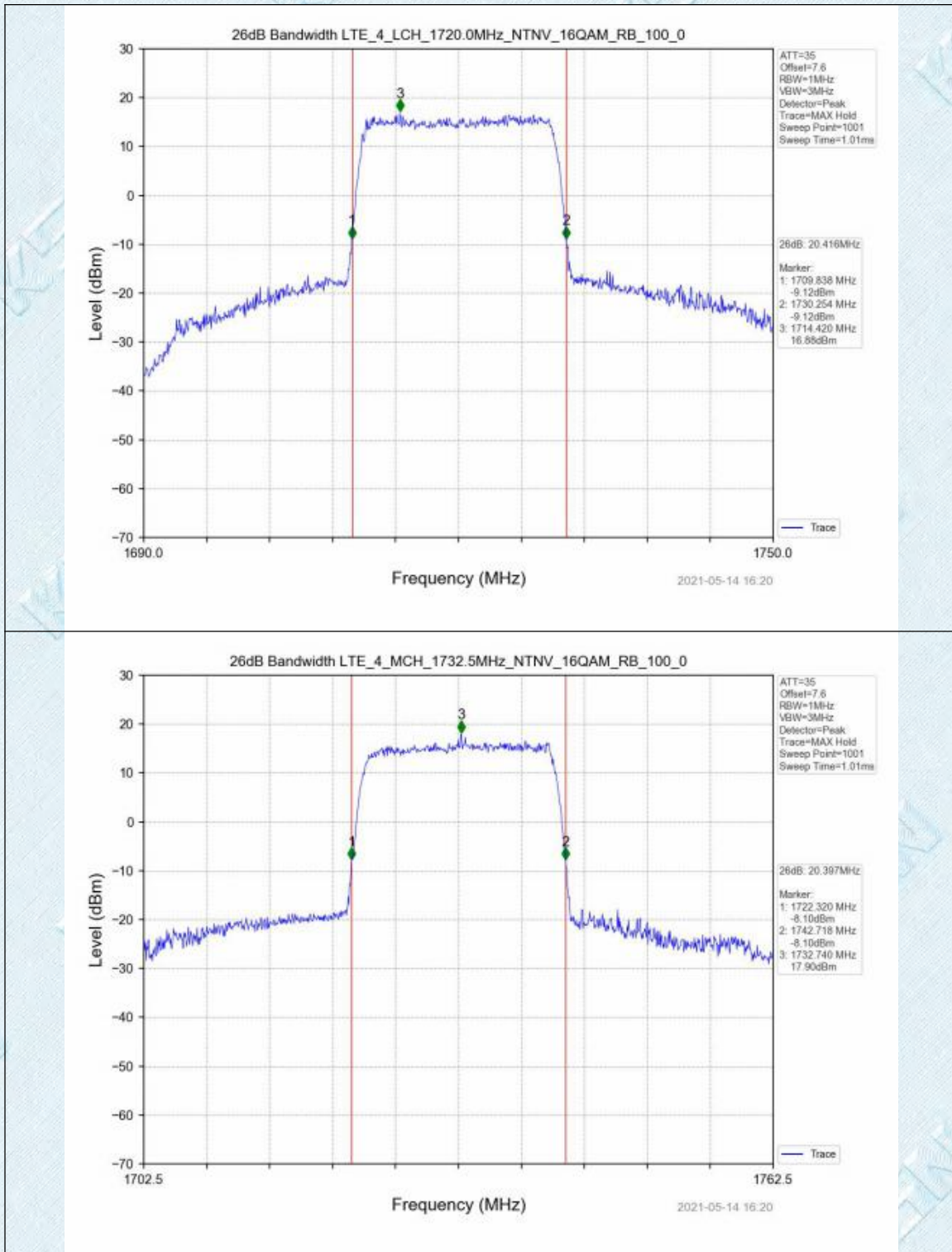


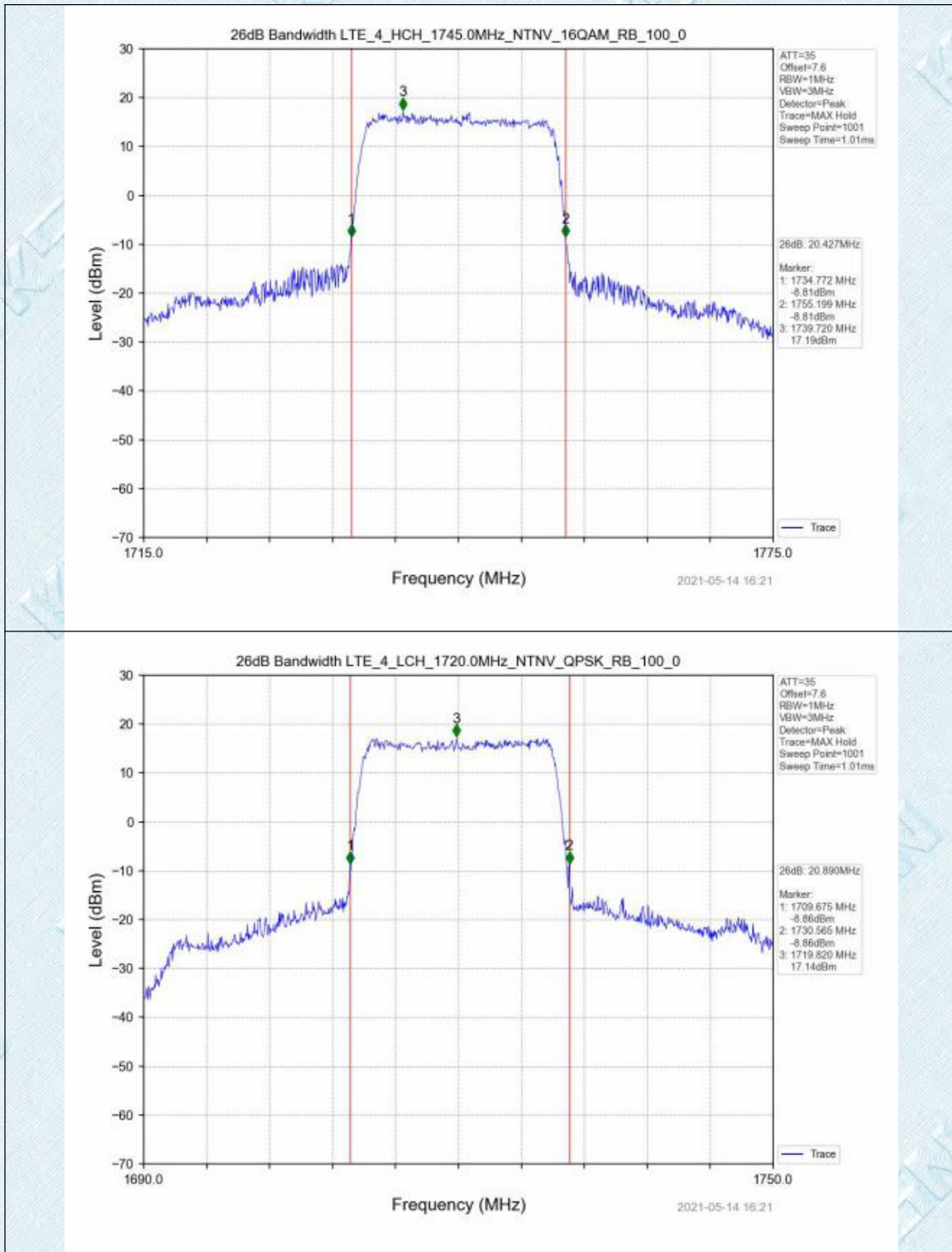


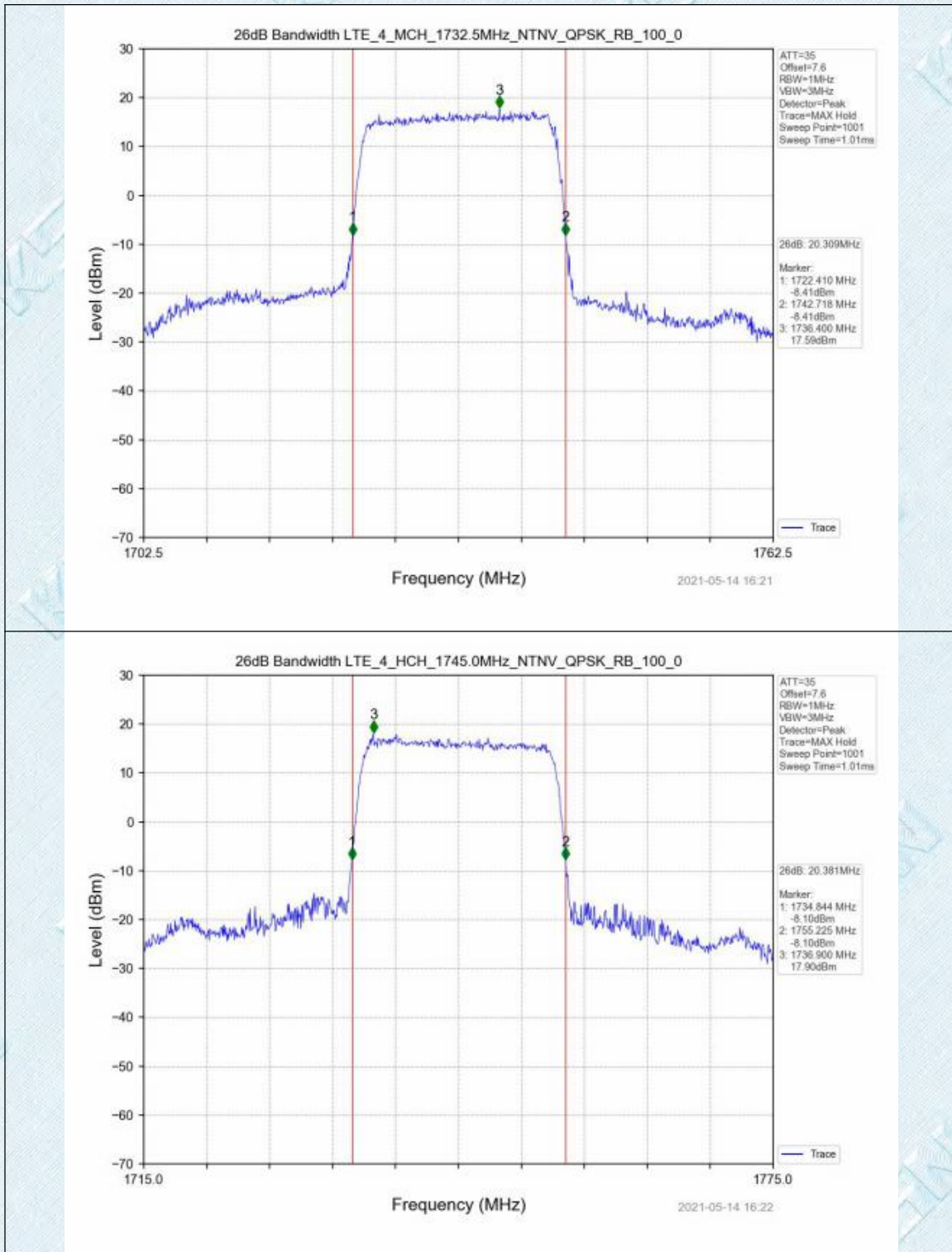


Test Band: 4 20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	20.890	20.309	20.381	N/A	PASS
16QAM	100	0	20.416	20.397	20.427	N/A	PASS

Test Graph



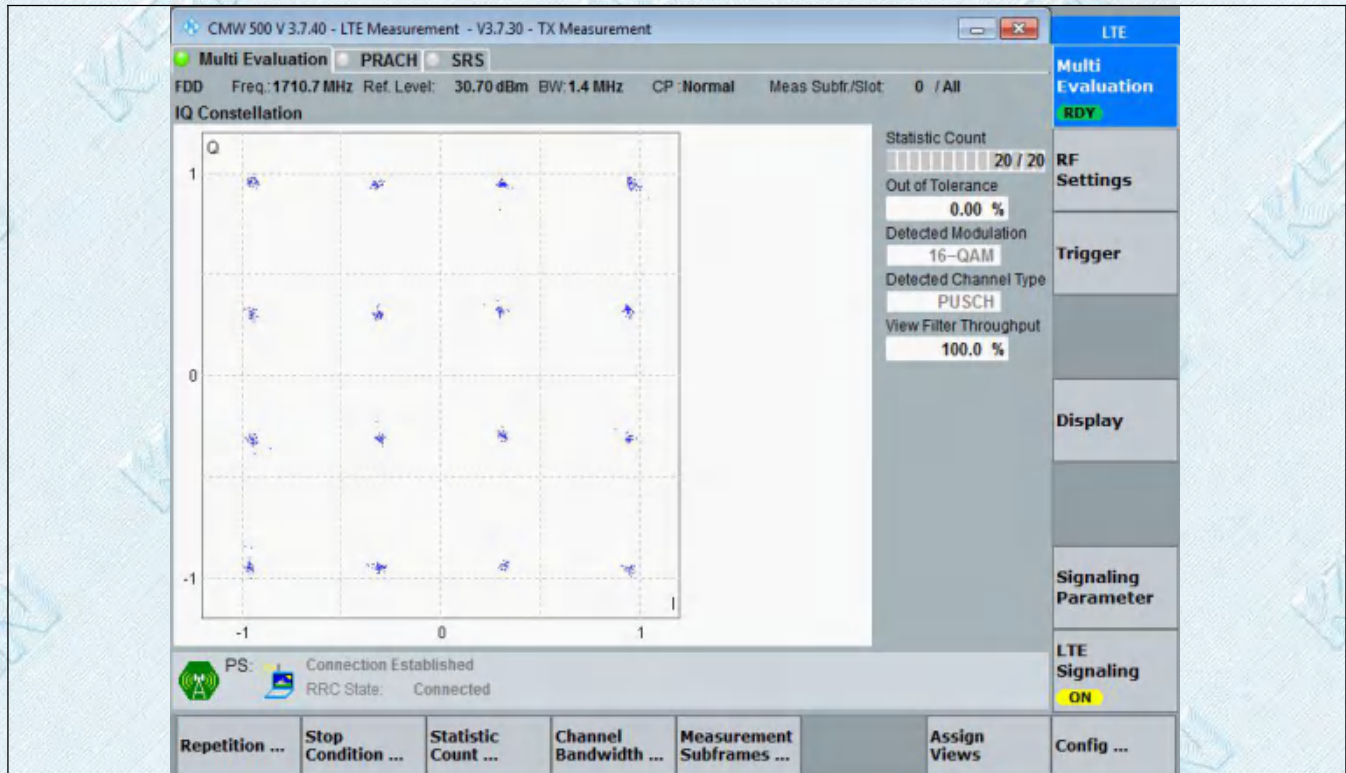


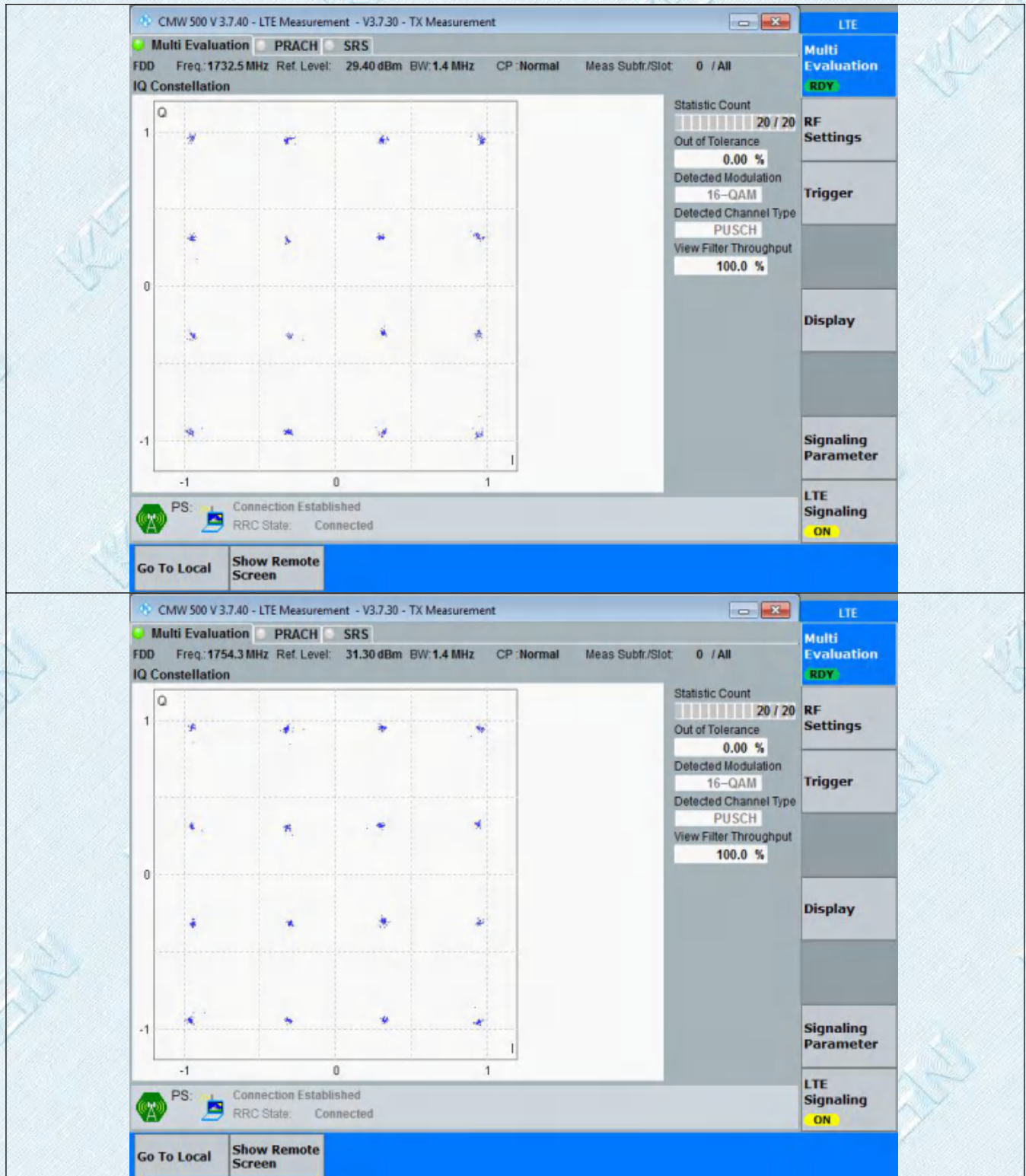


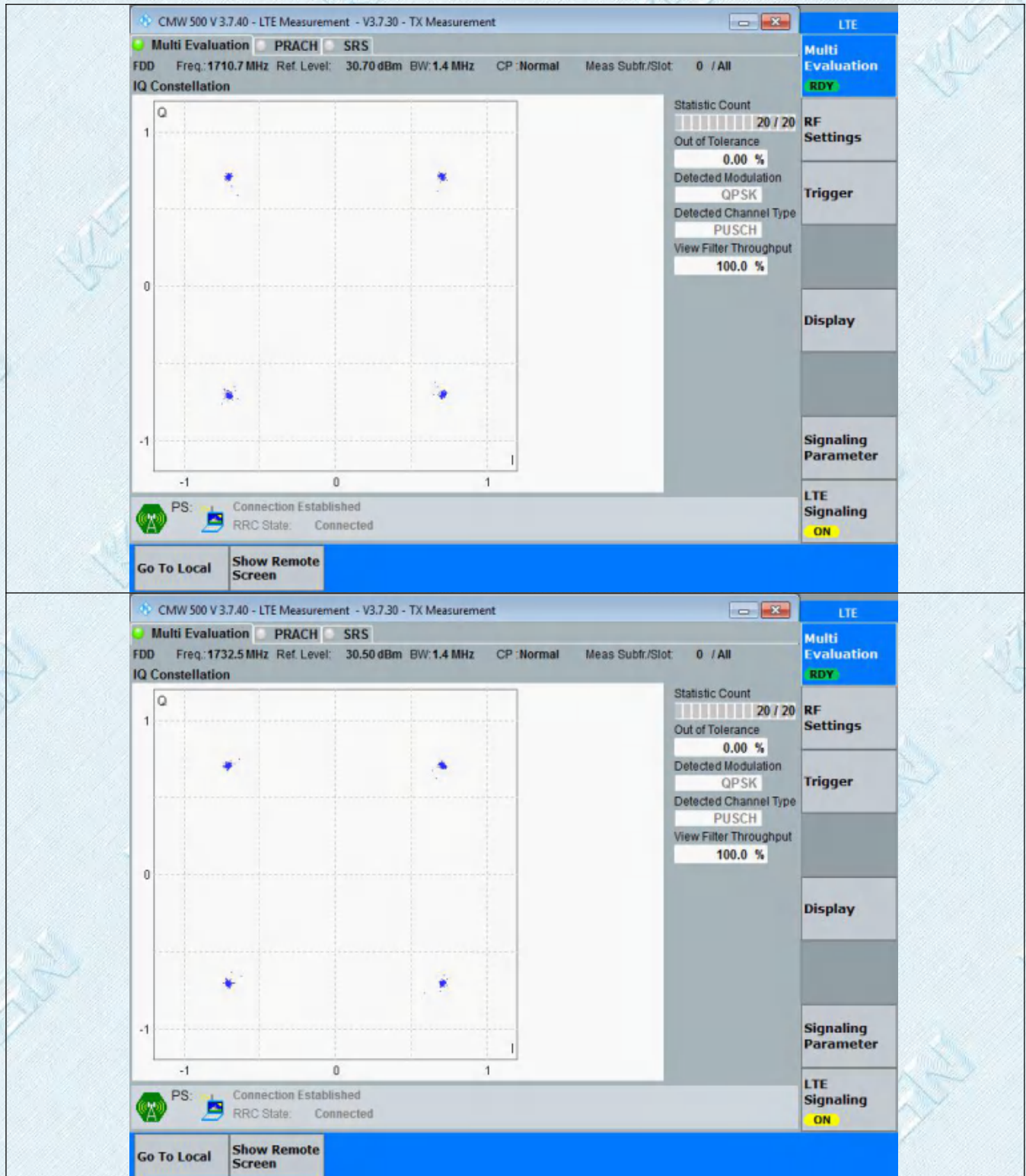
3. Modulation Characteristics

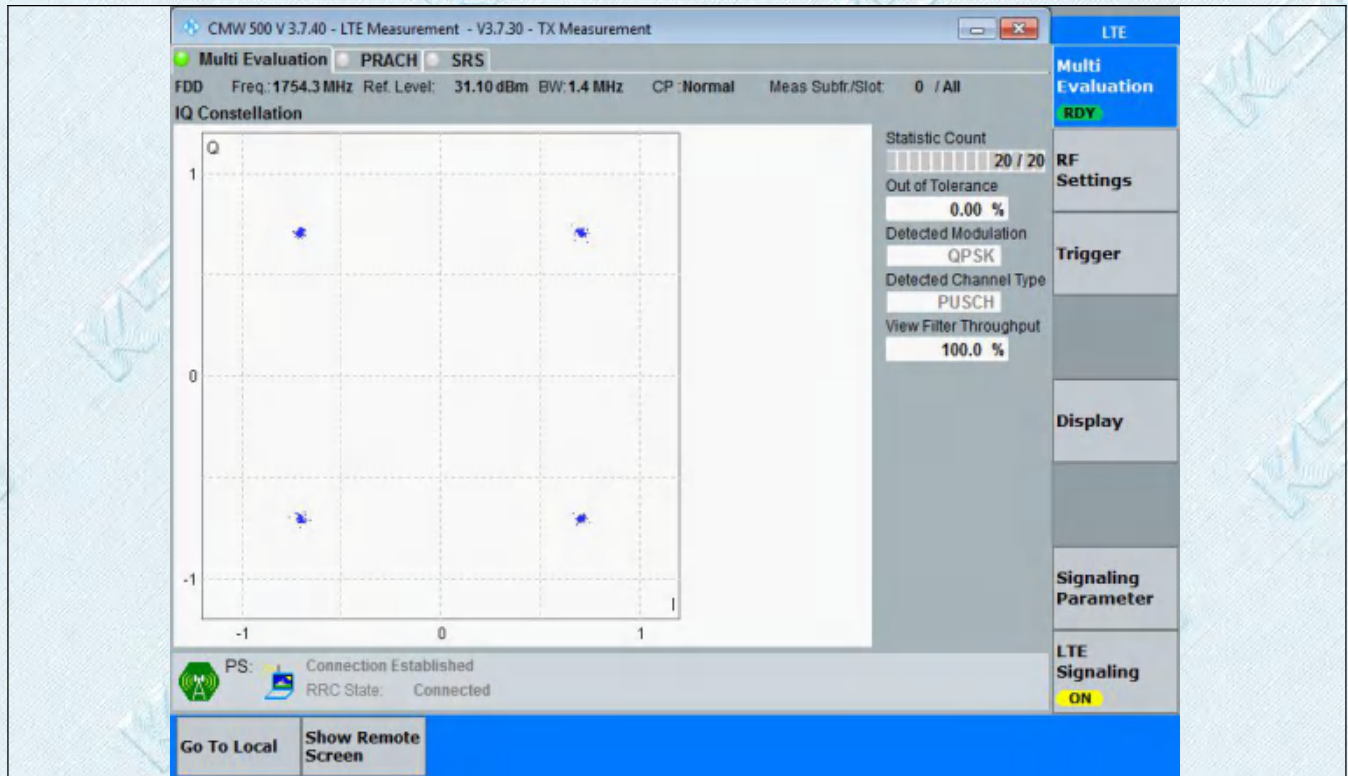
Test Band: 4 _ 1.4MHz Bandwidth

Test Graph



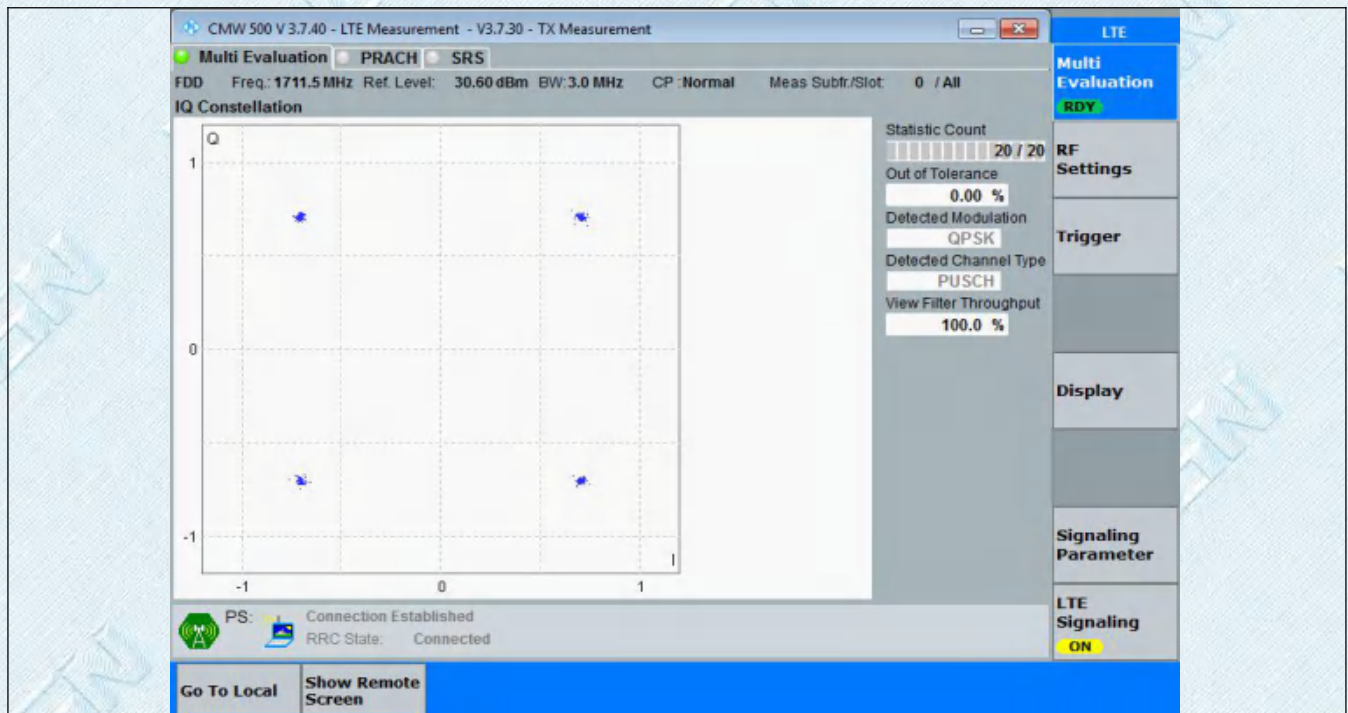


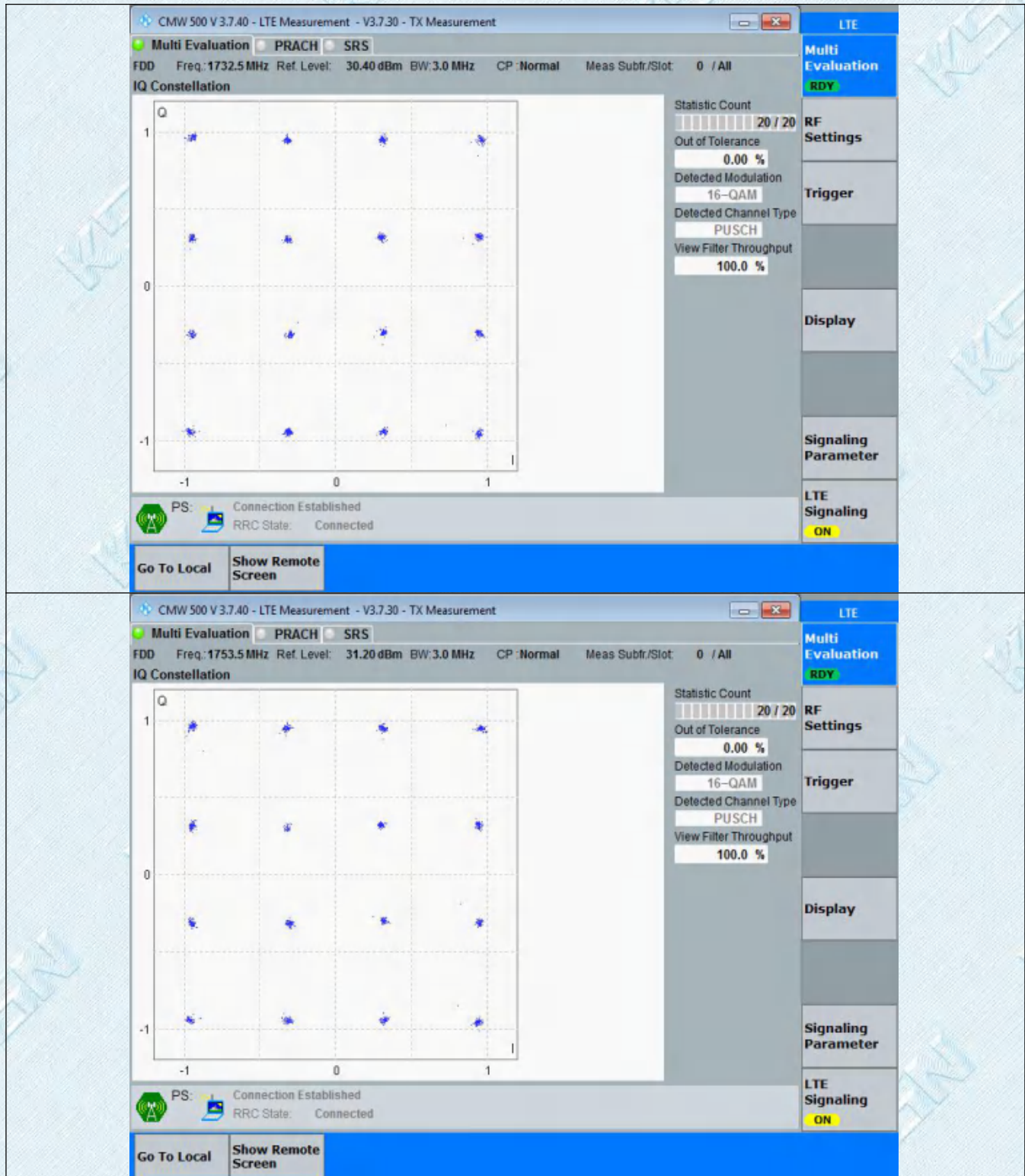


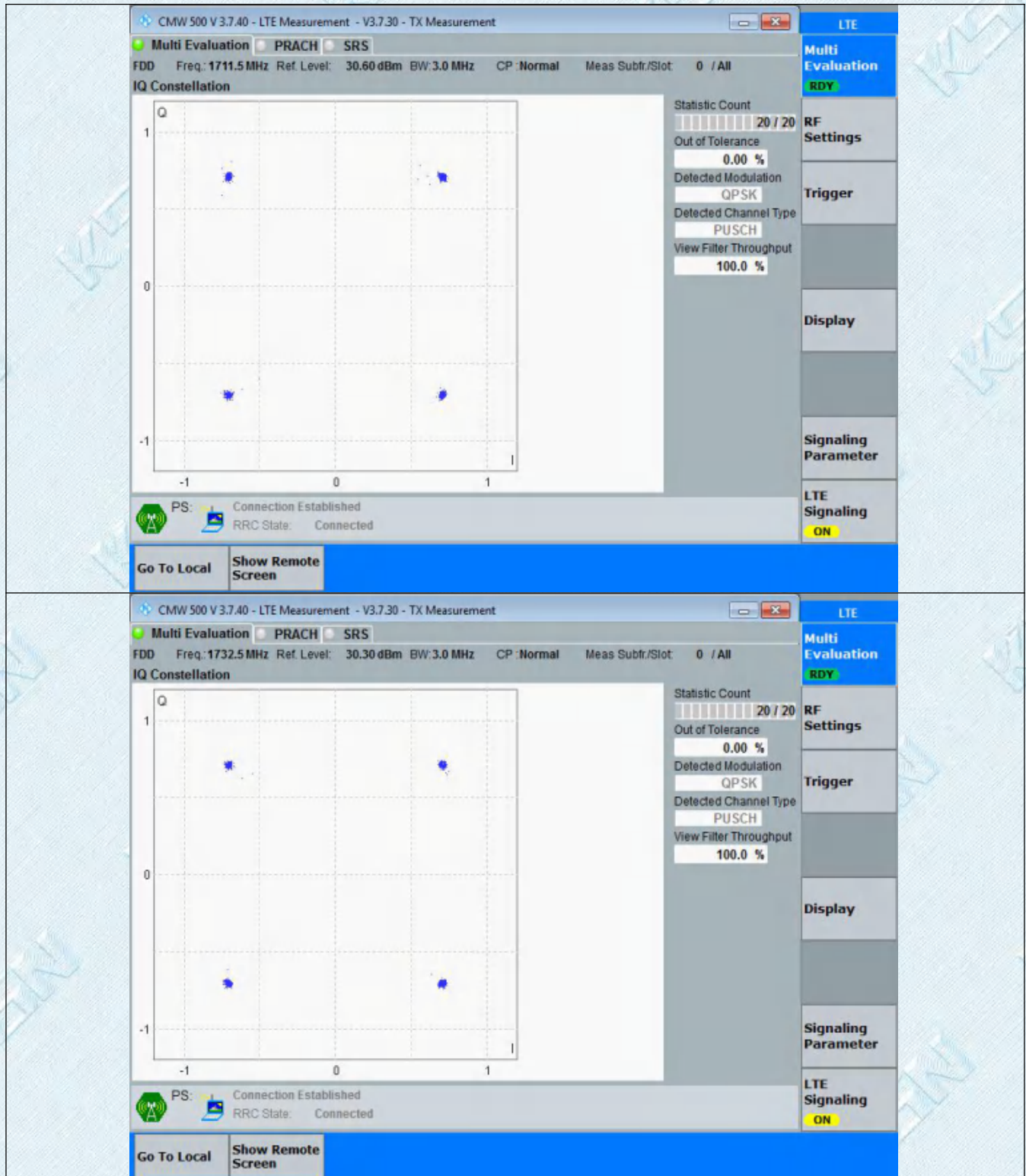


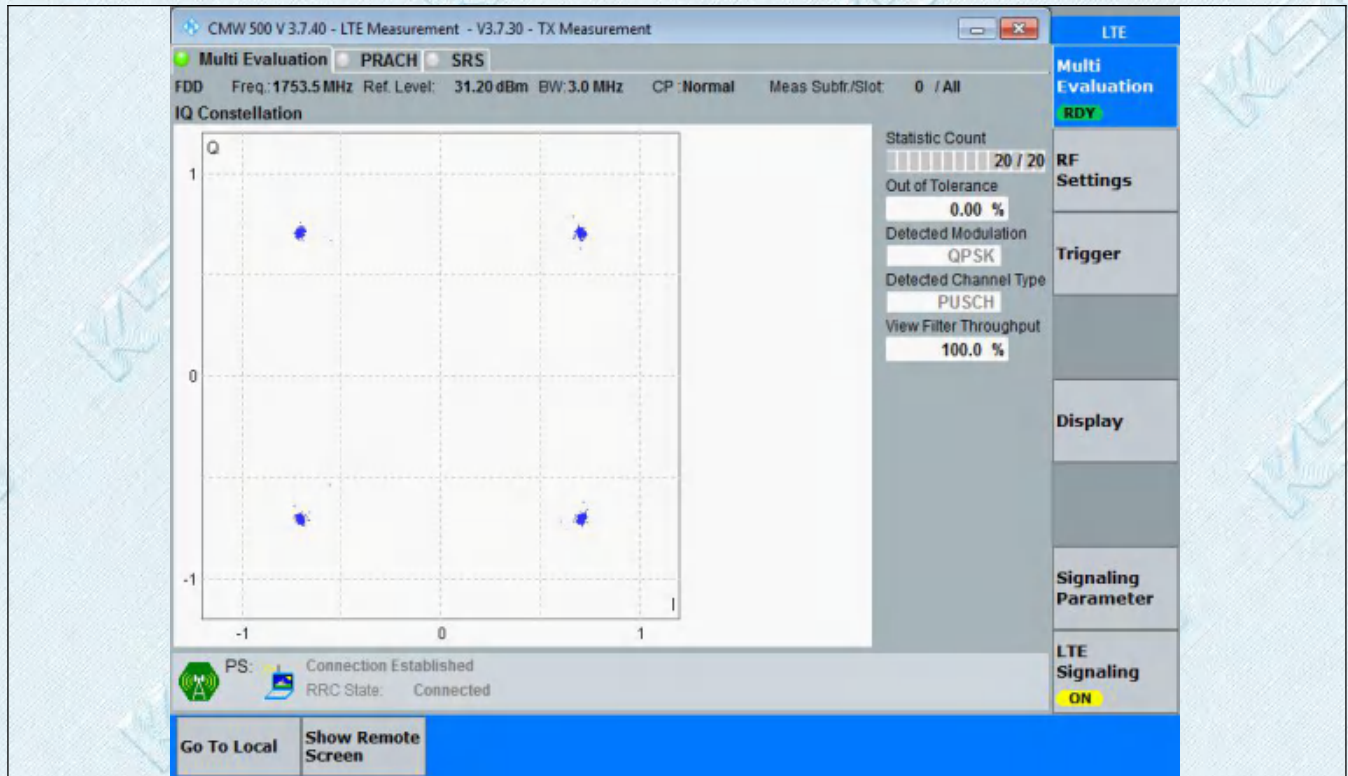
Test Band: 4 _ 3MHz Bandwidth

Test Graph



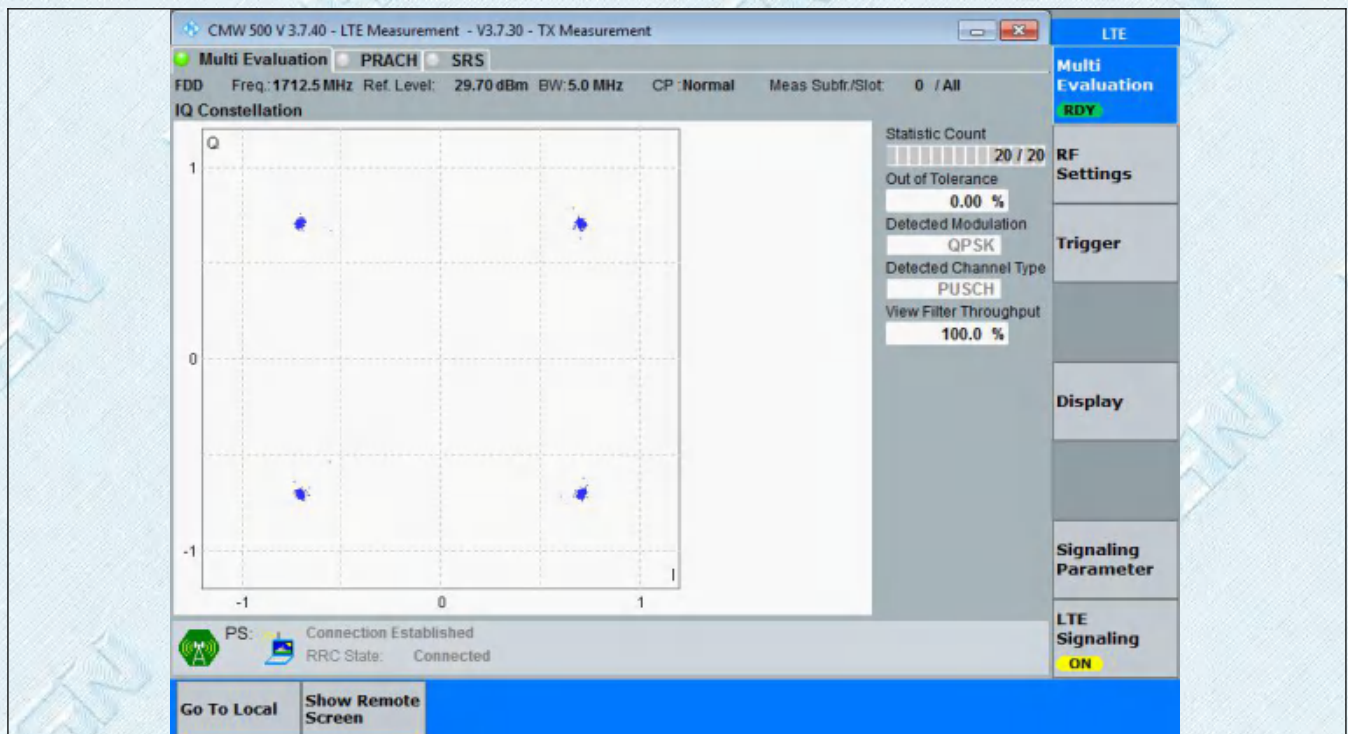


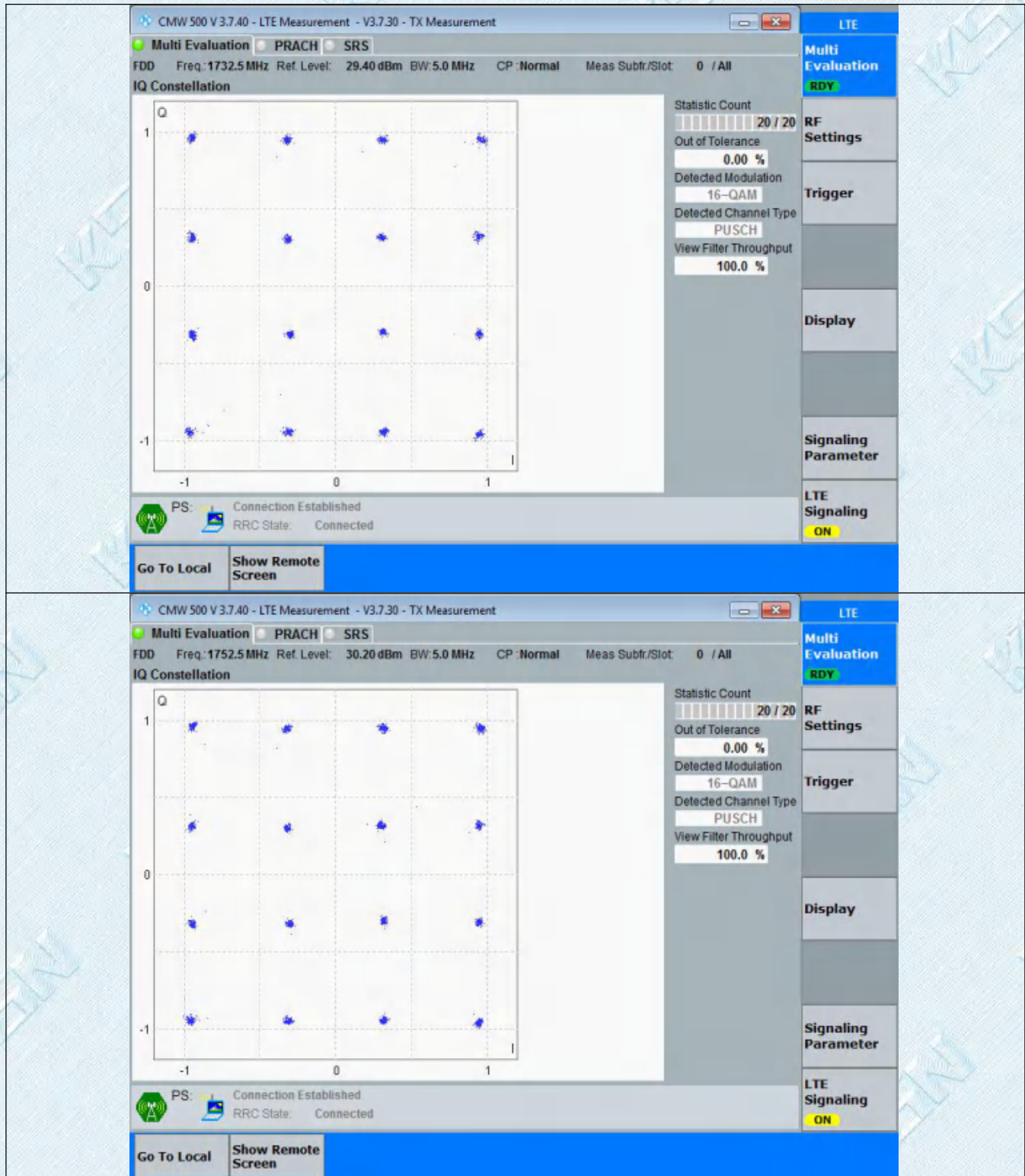


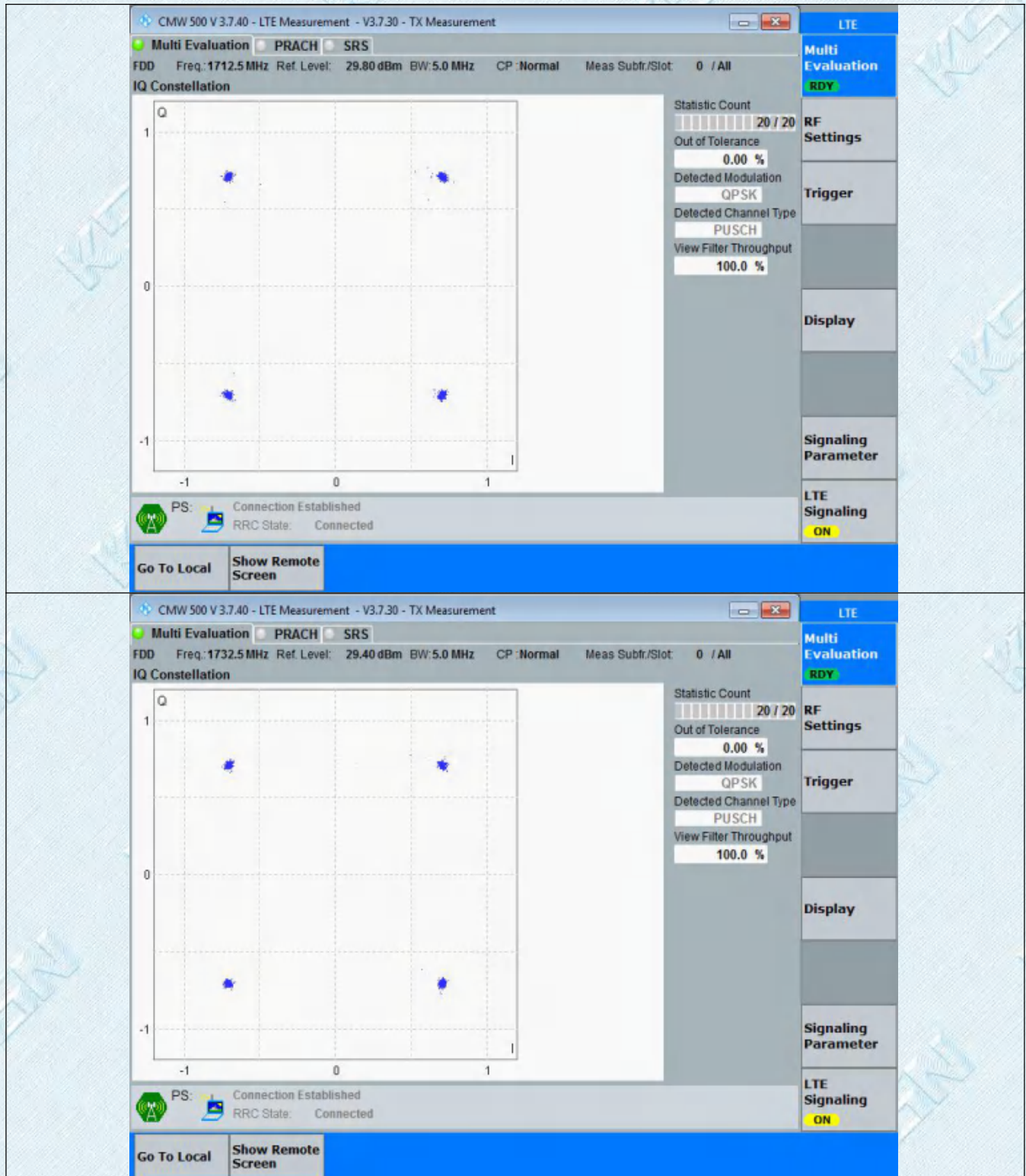


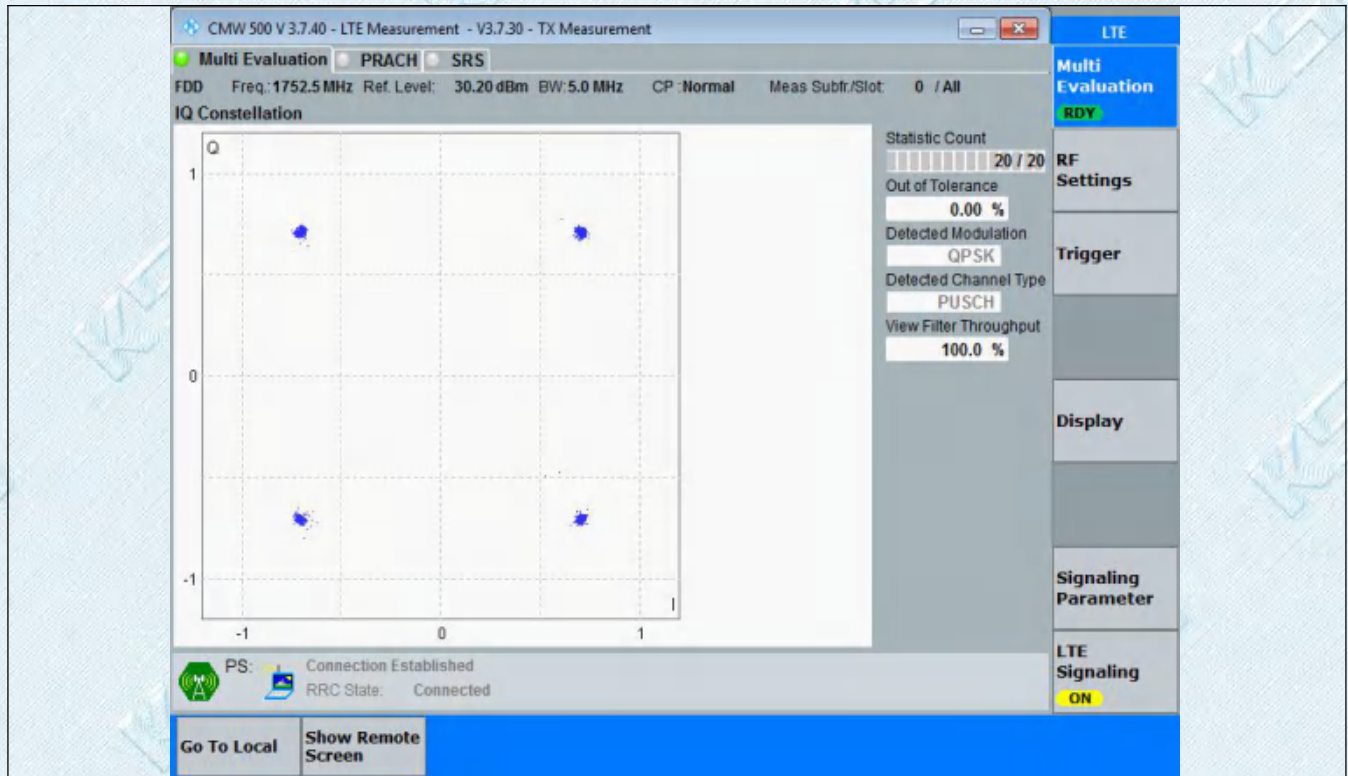
Test Band: 4 _ 5MHz Bandwidth

Test Graph



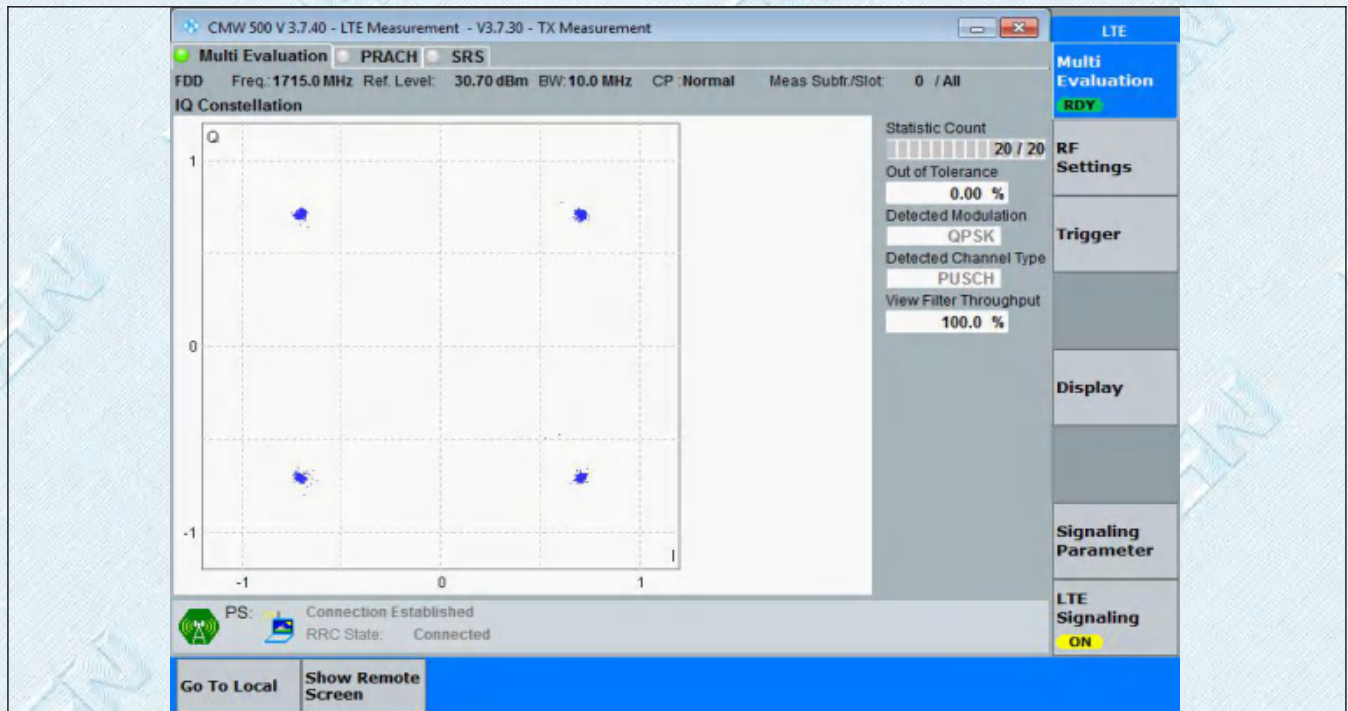


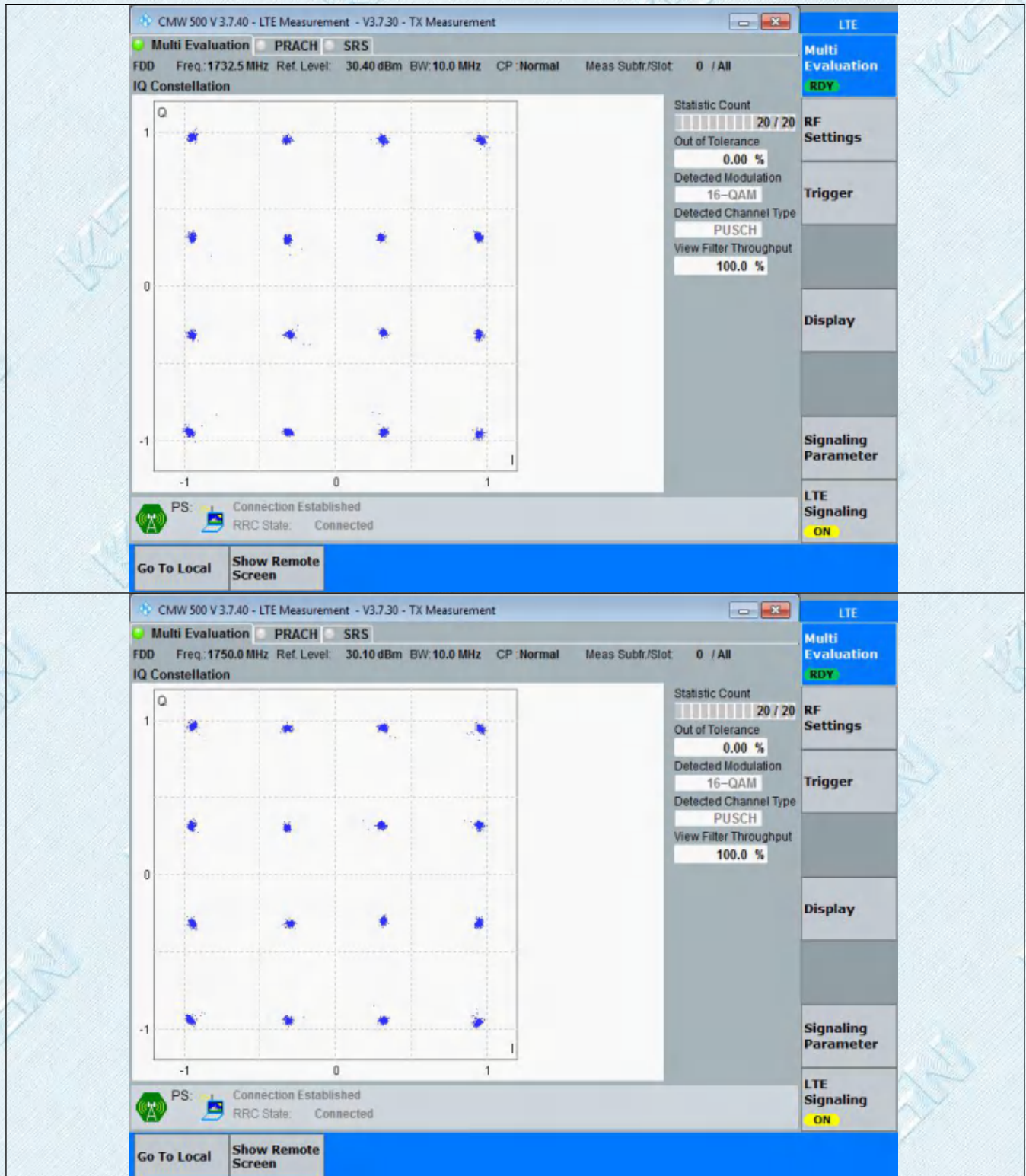


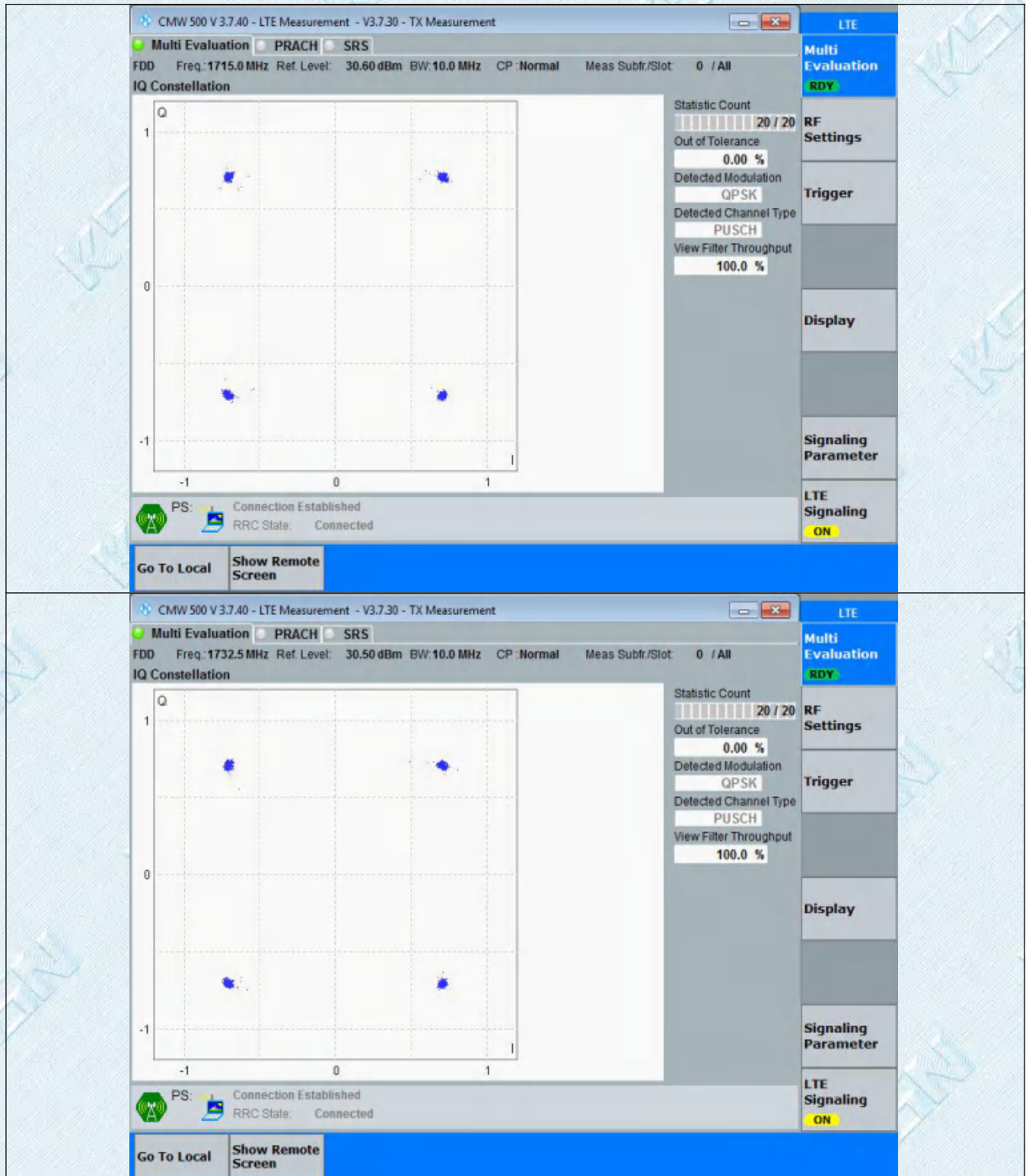


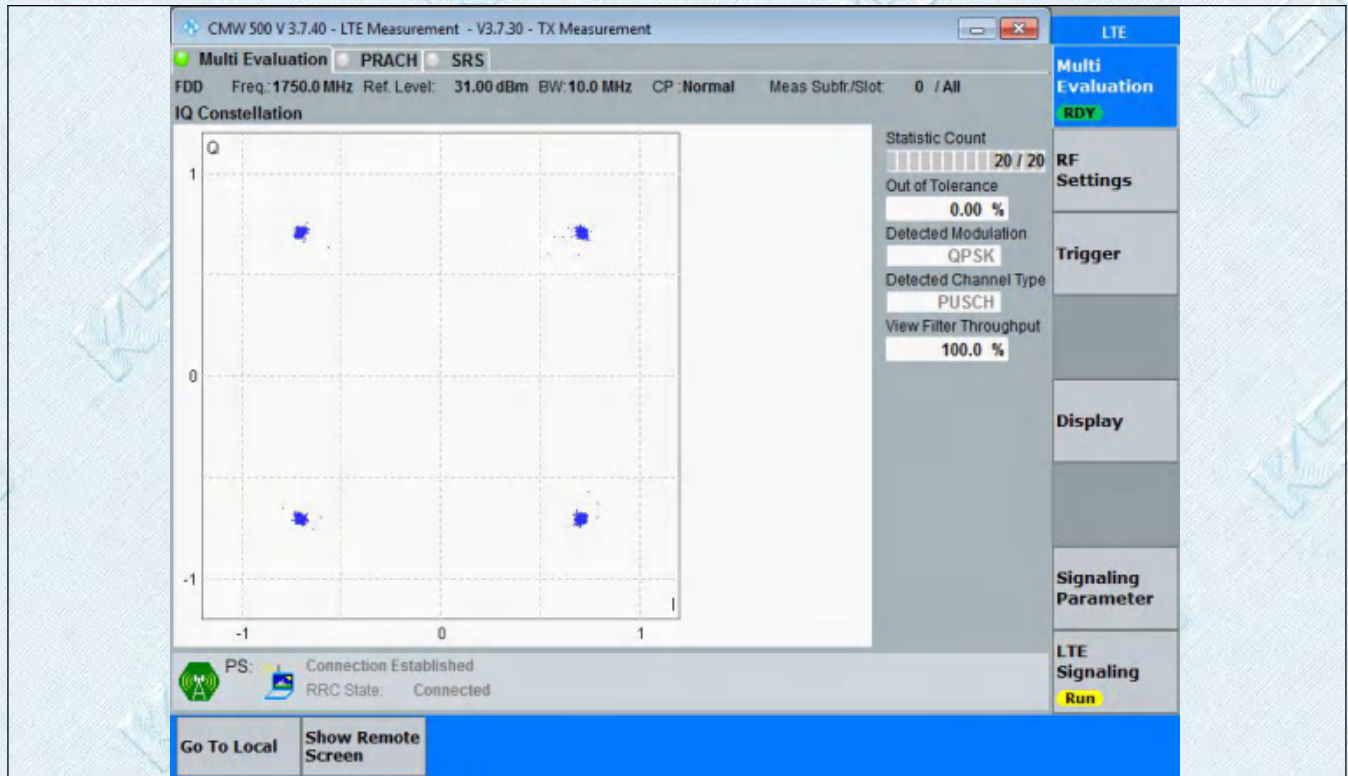
Test Band: 4 _ 10MHz Bandwidth

Test Graph



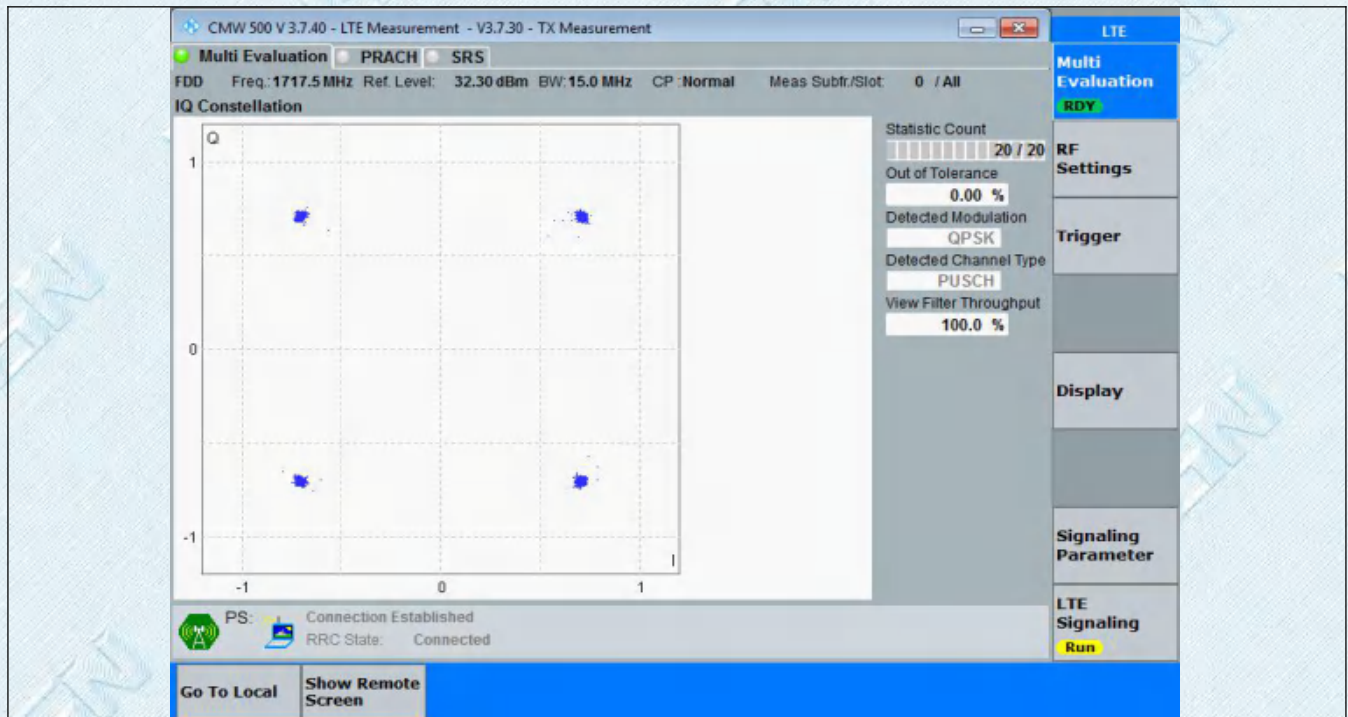


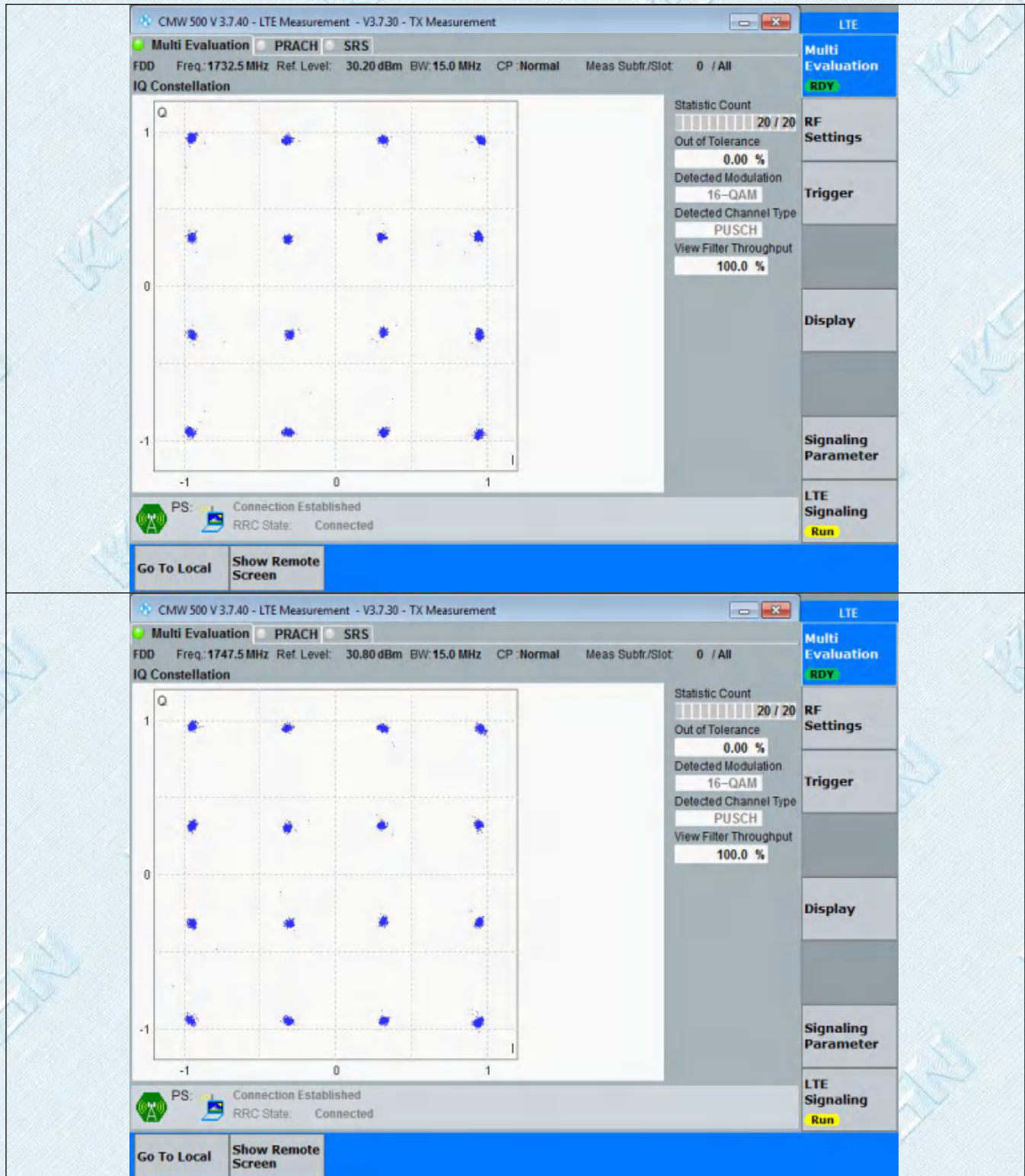


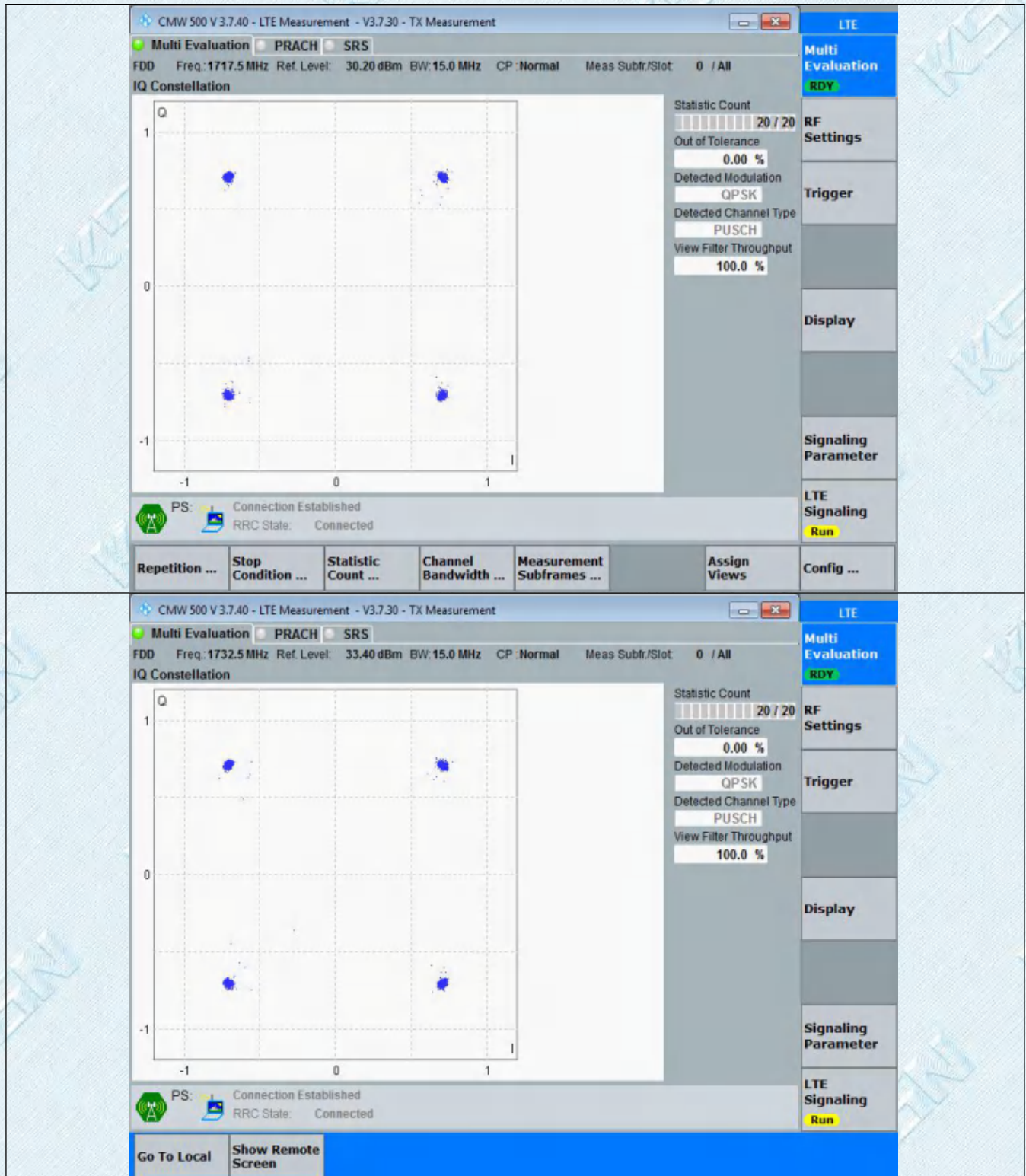


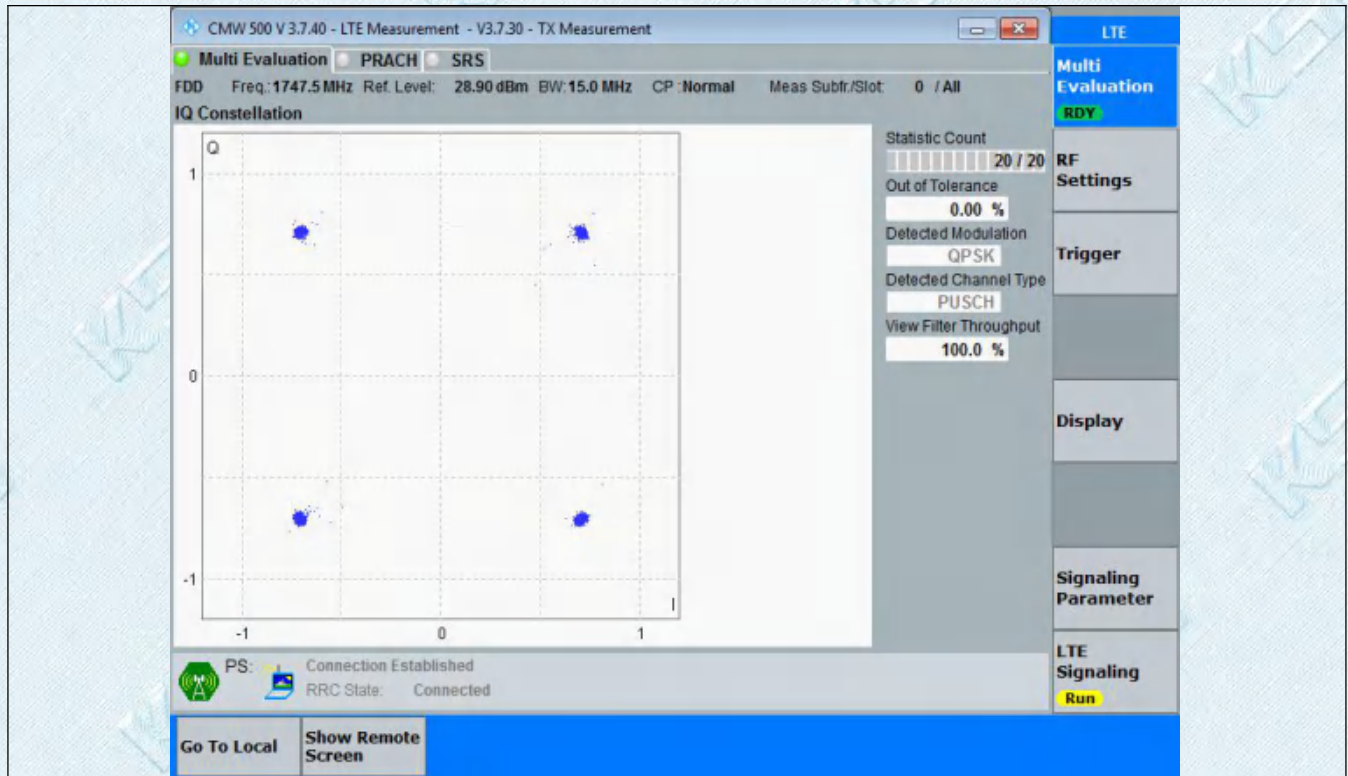
Test Band: 4 _ 15MHz Bandwidth

Test Graph



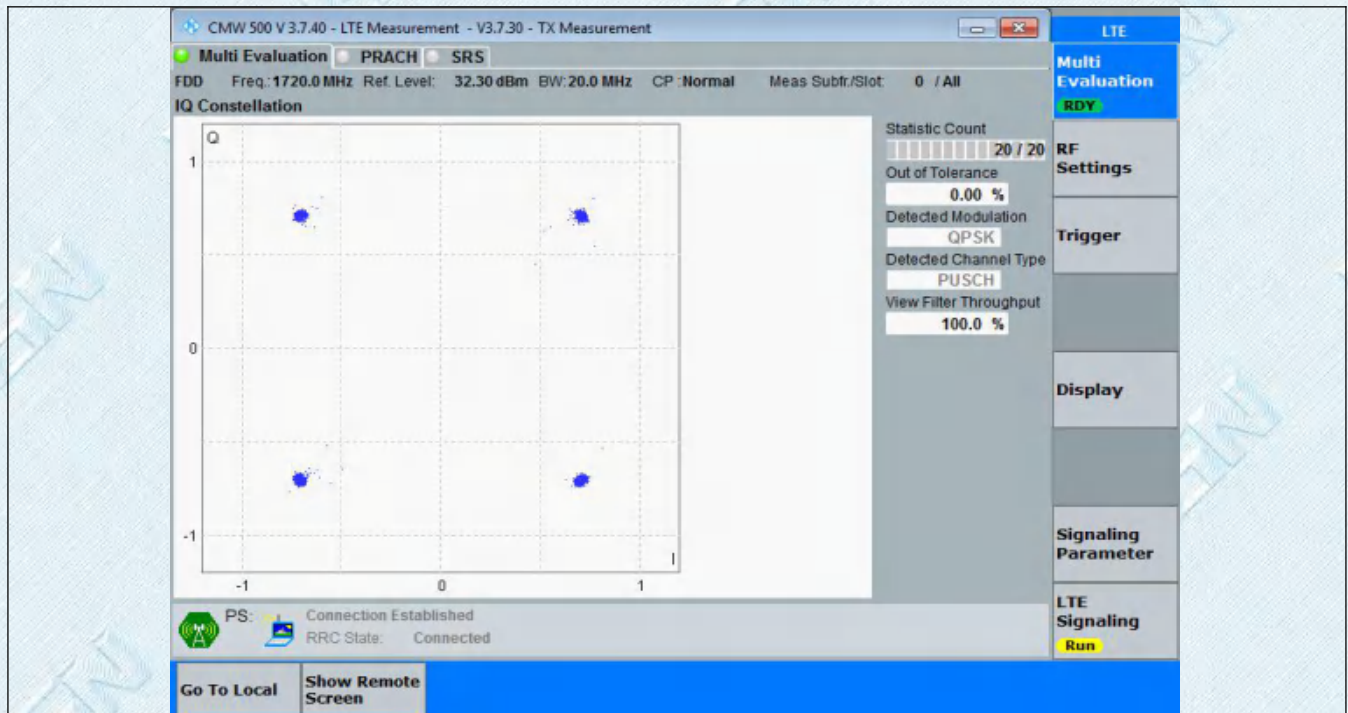


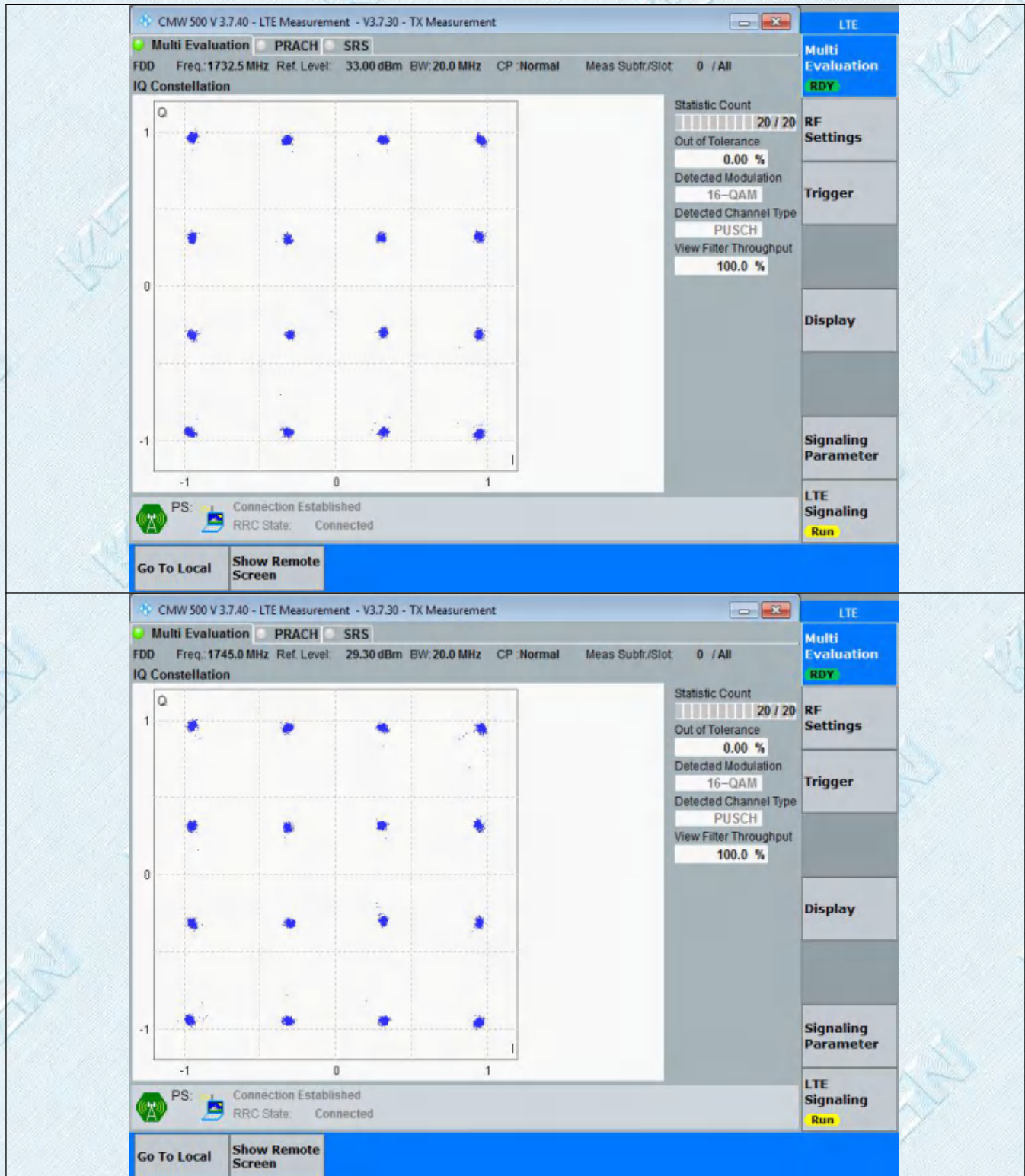


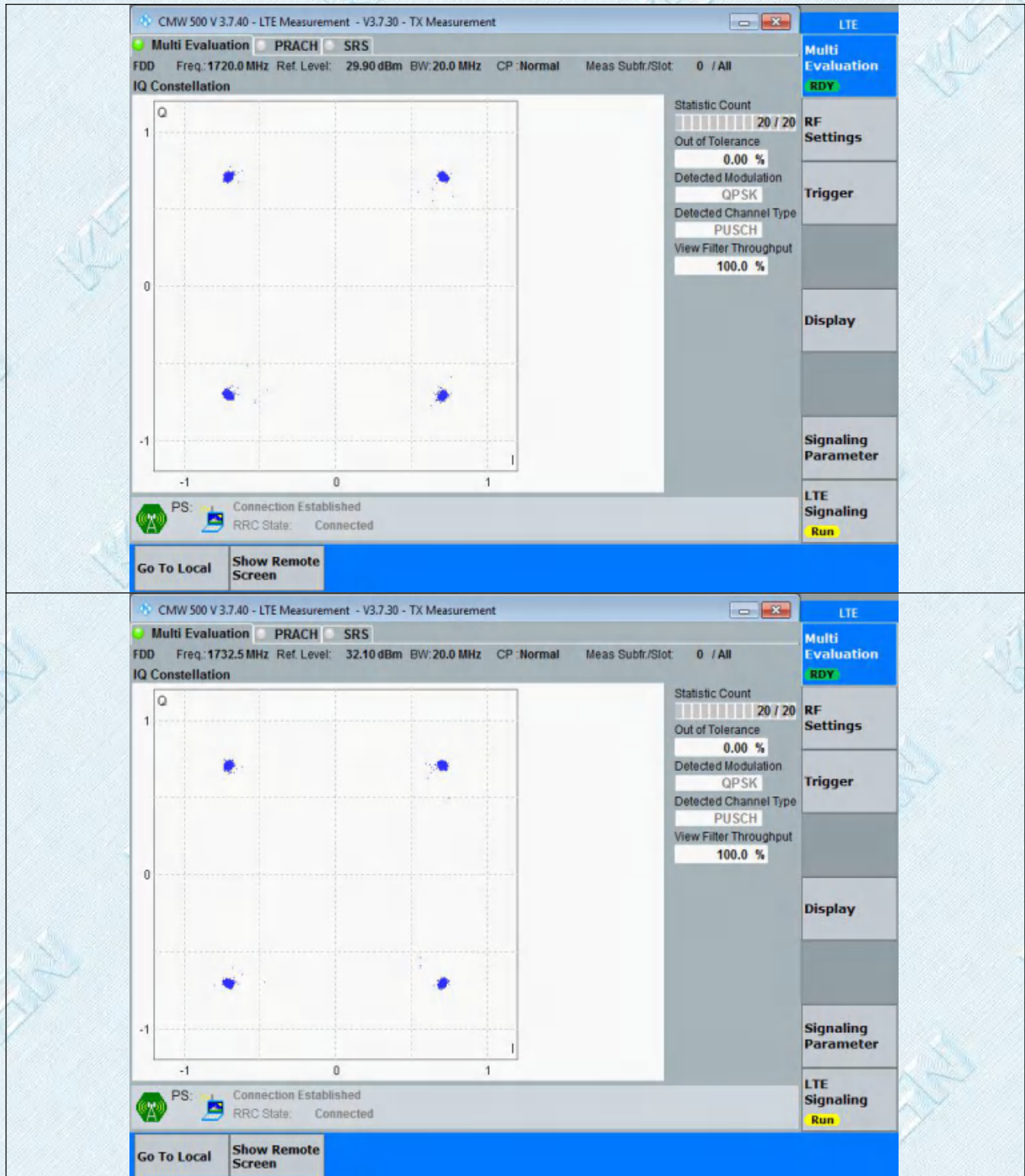


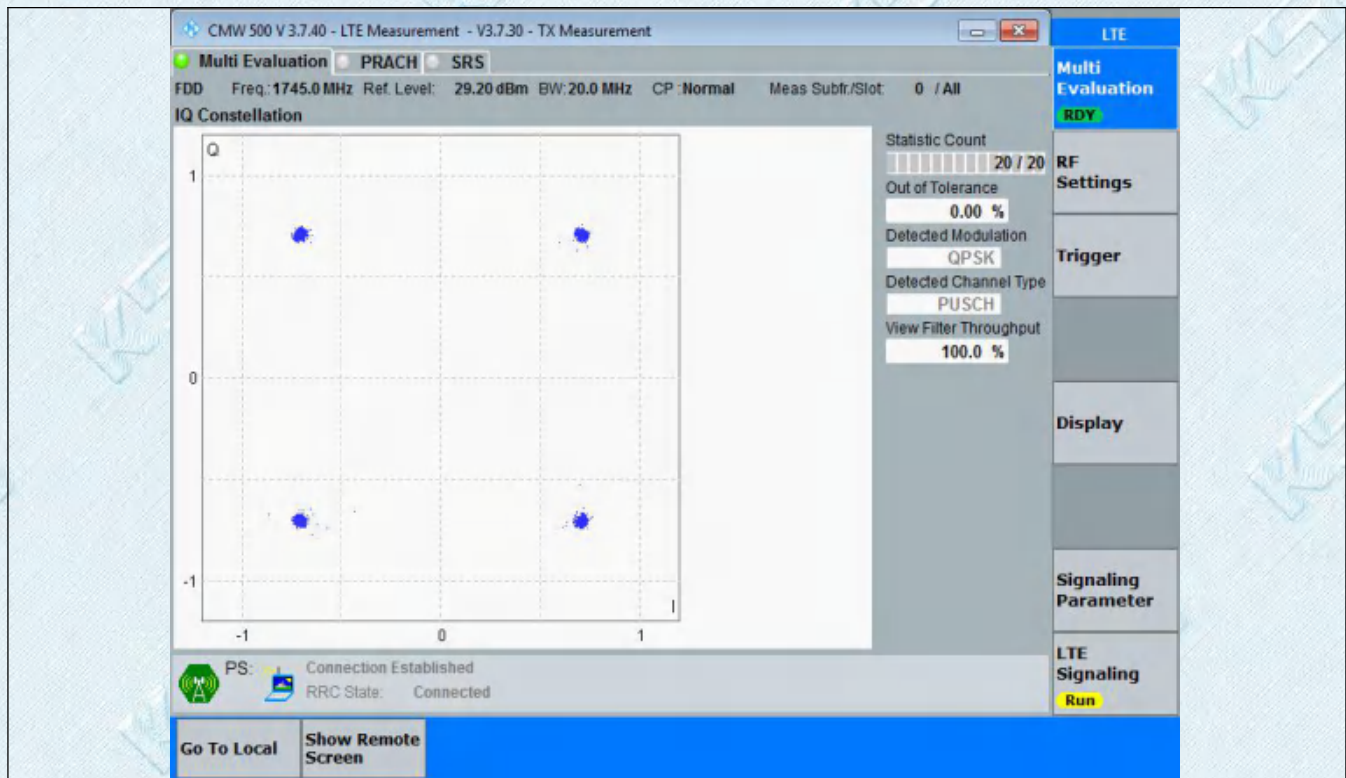
Test Band: 4 _ 20MHz Bandwidth

Test Graph





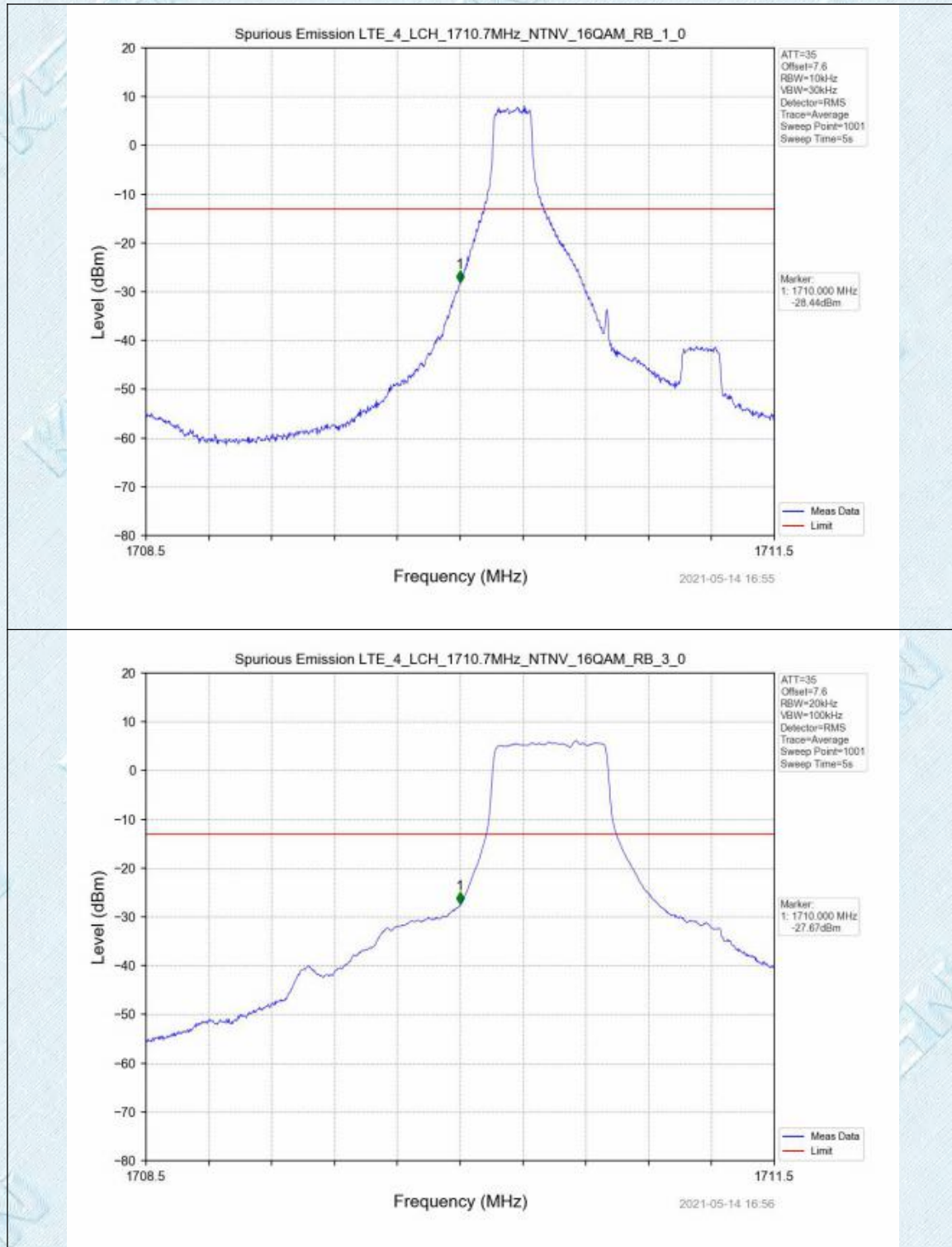


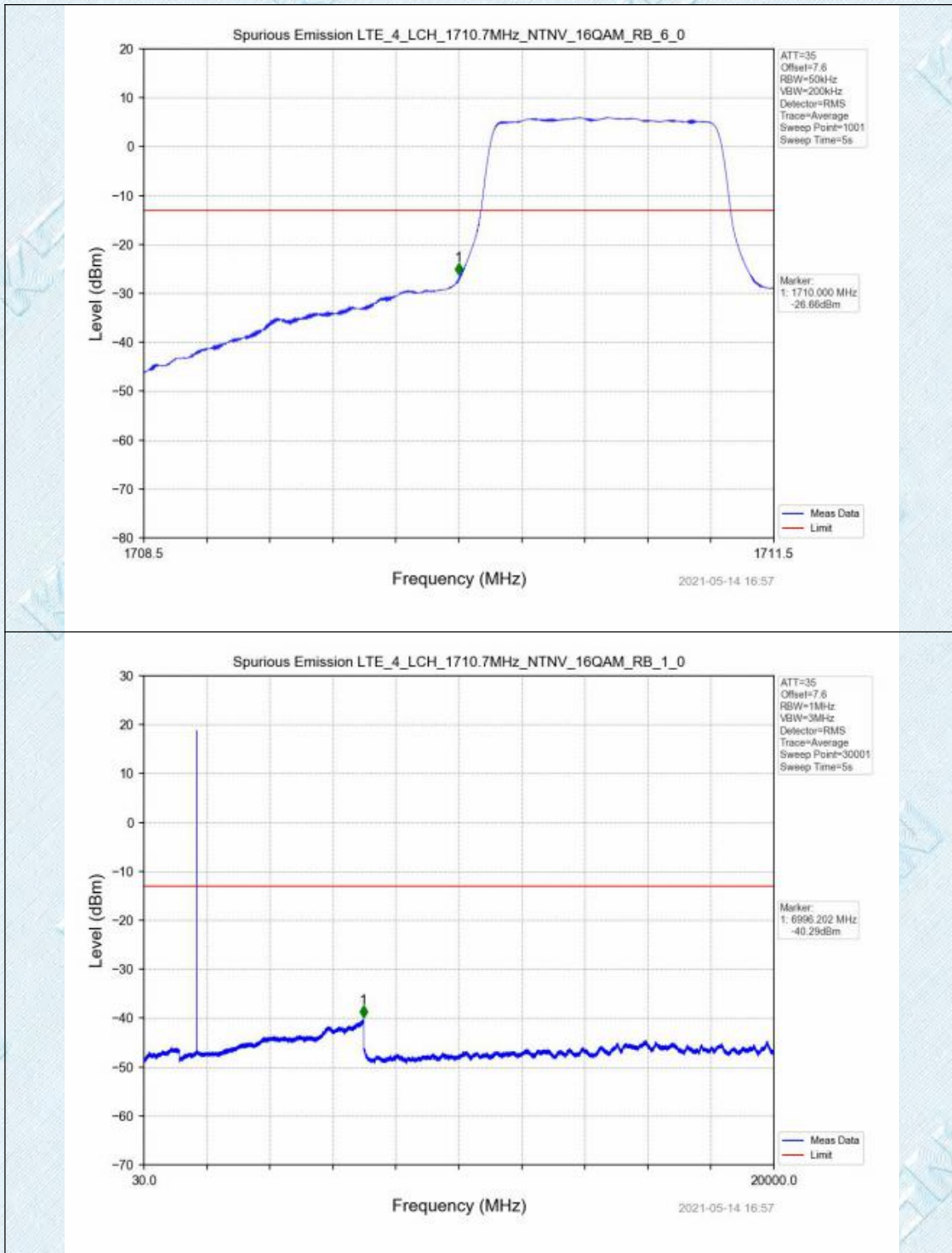


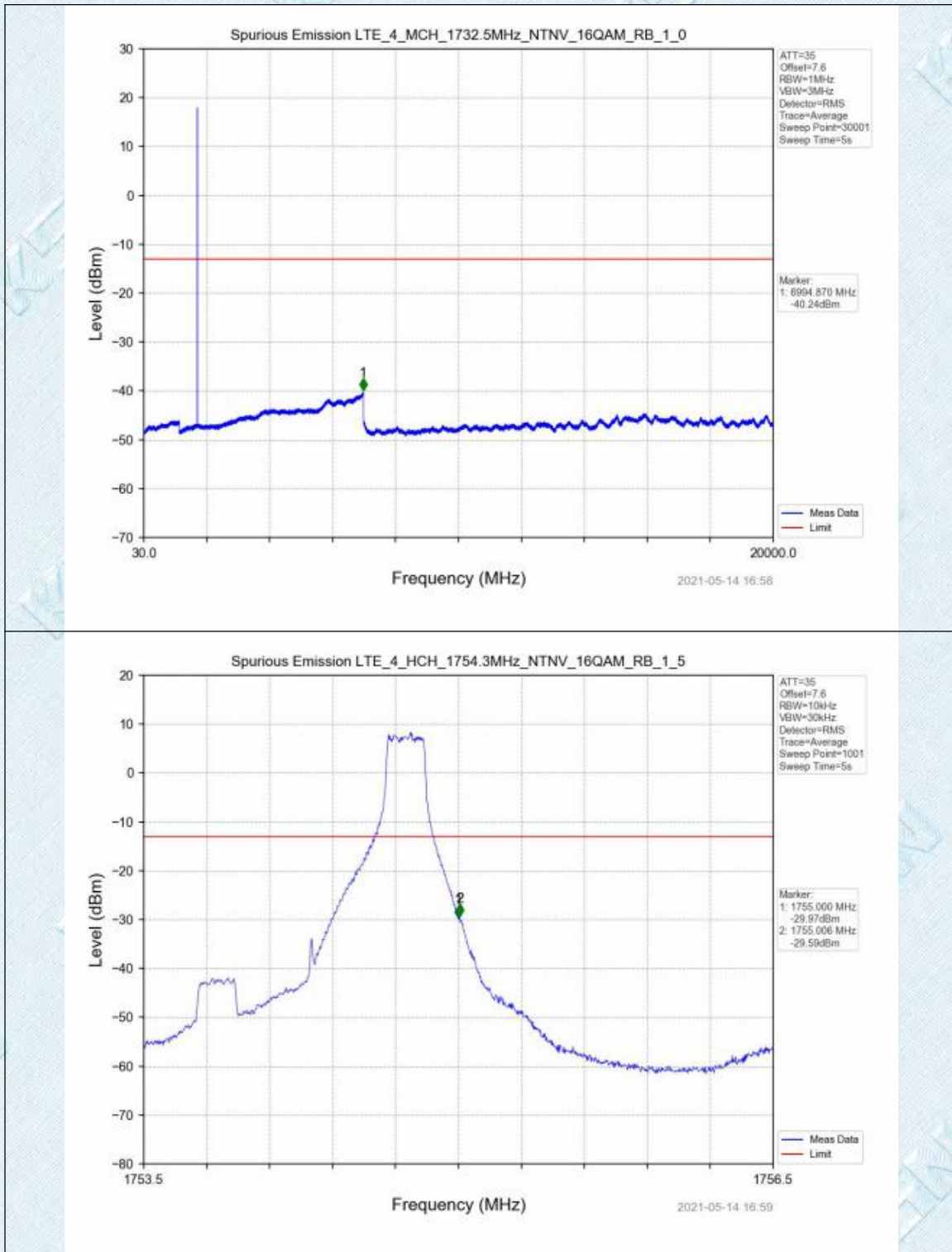
4. Spurious Emission

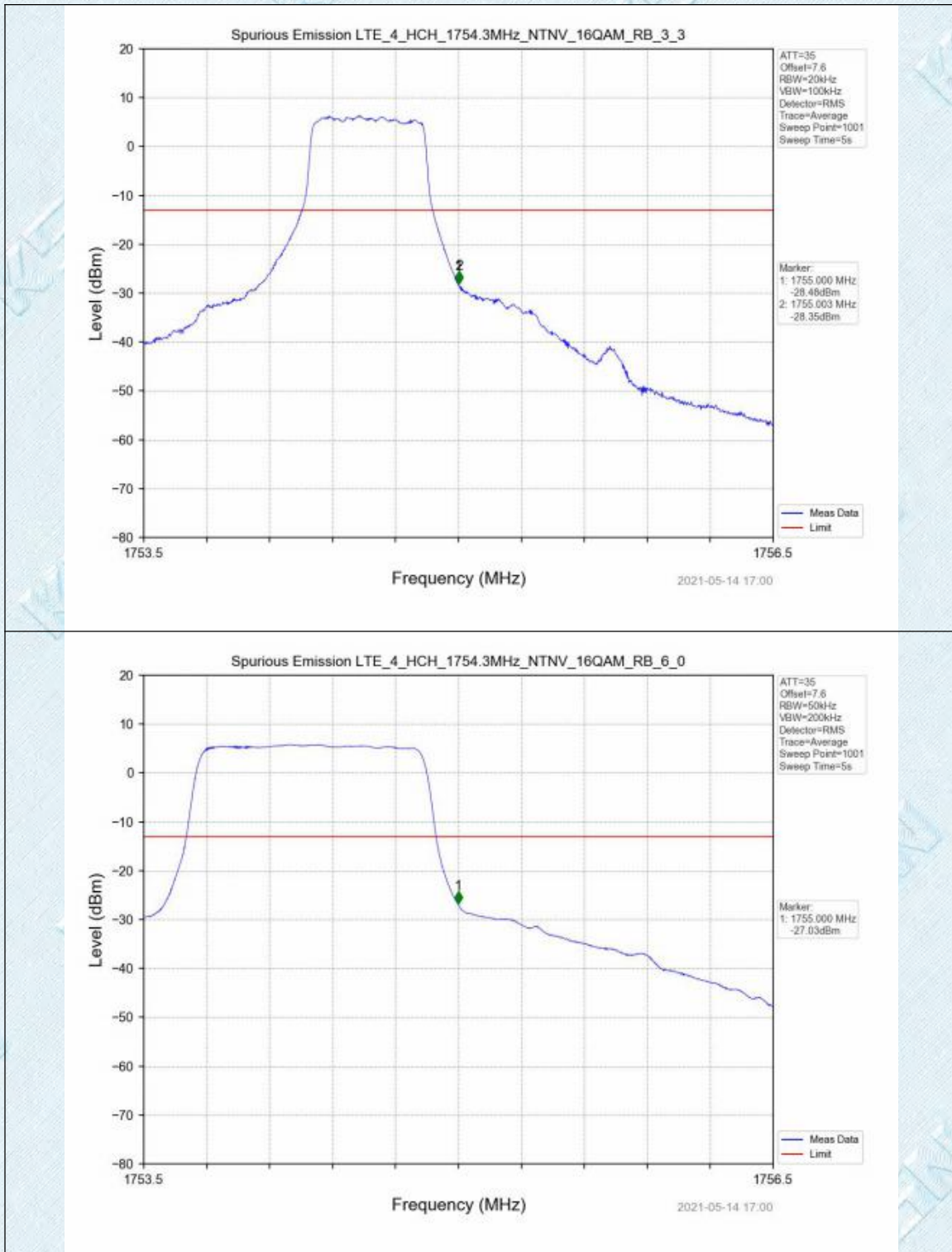
Test Band: 4 _ 1.4MHz Bandwidth

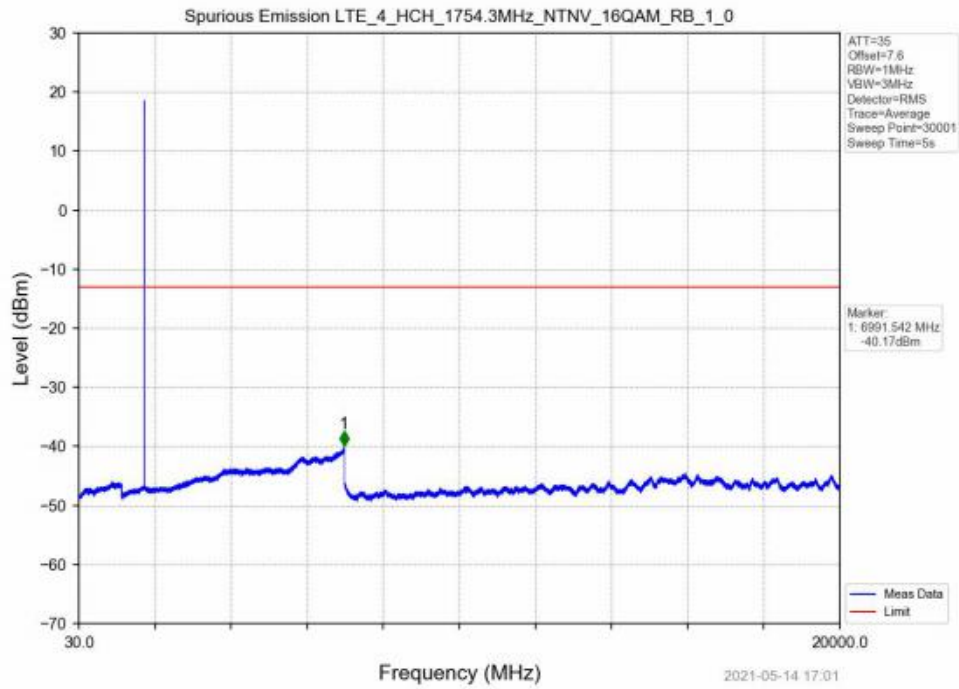
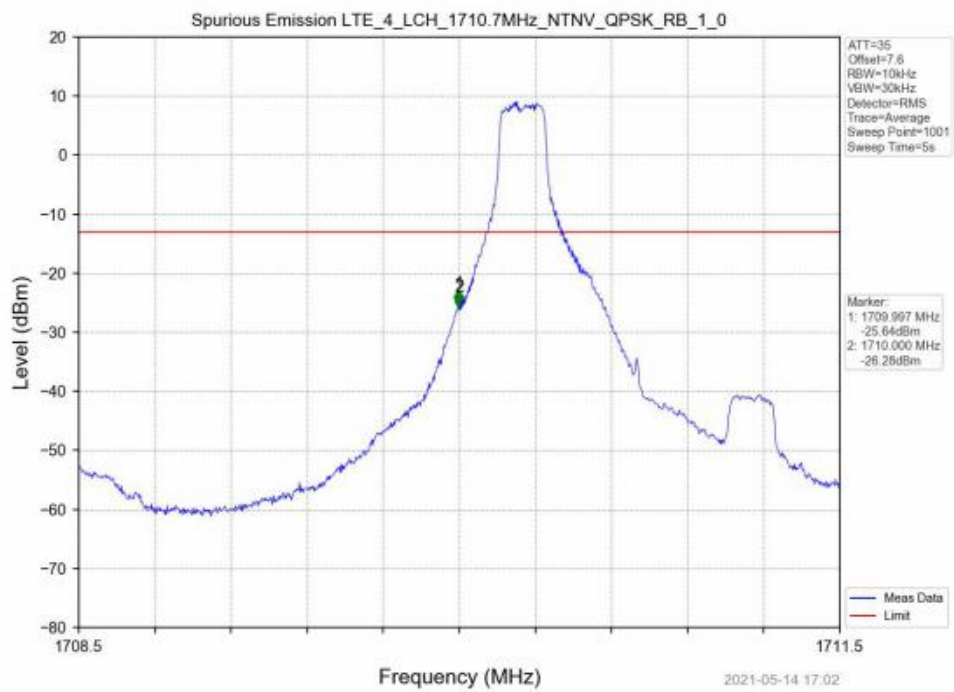
Test Graph

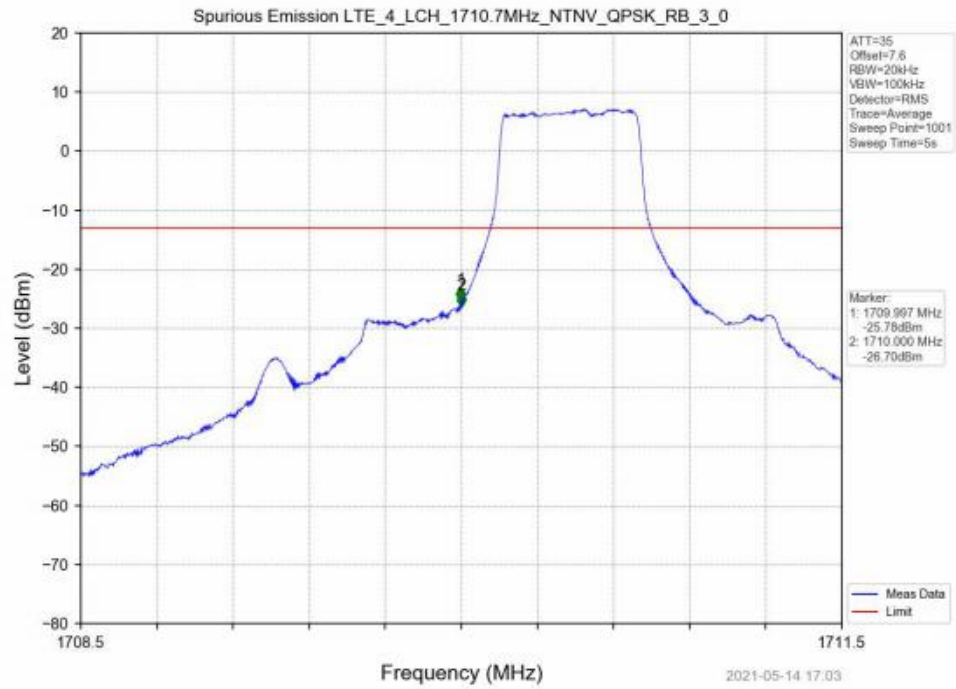
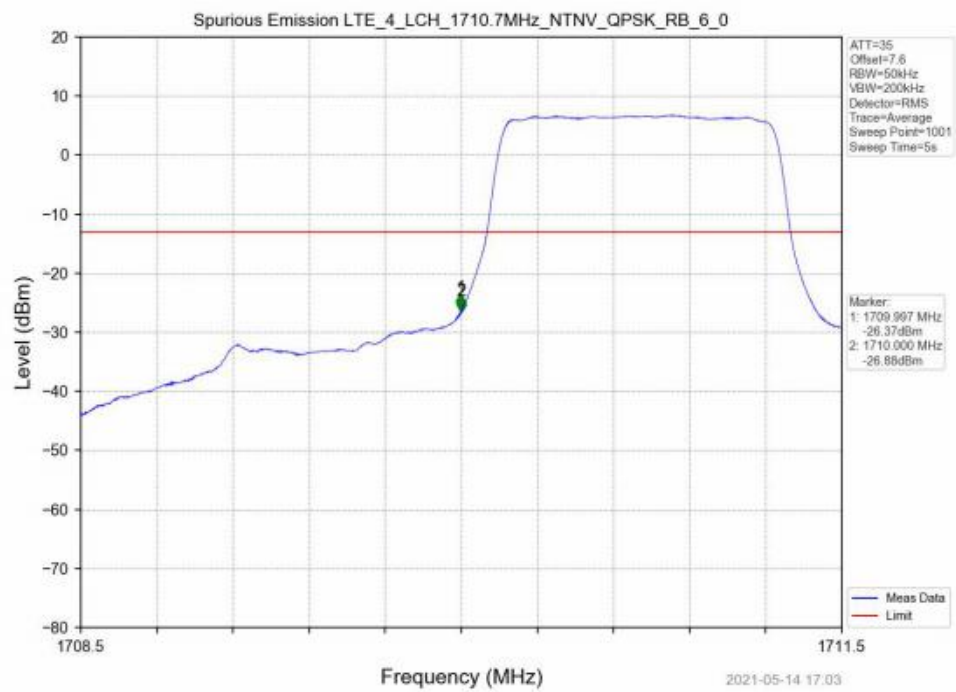


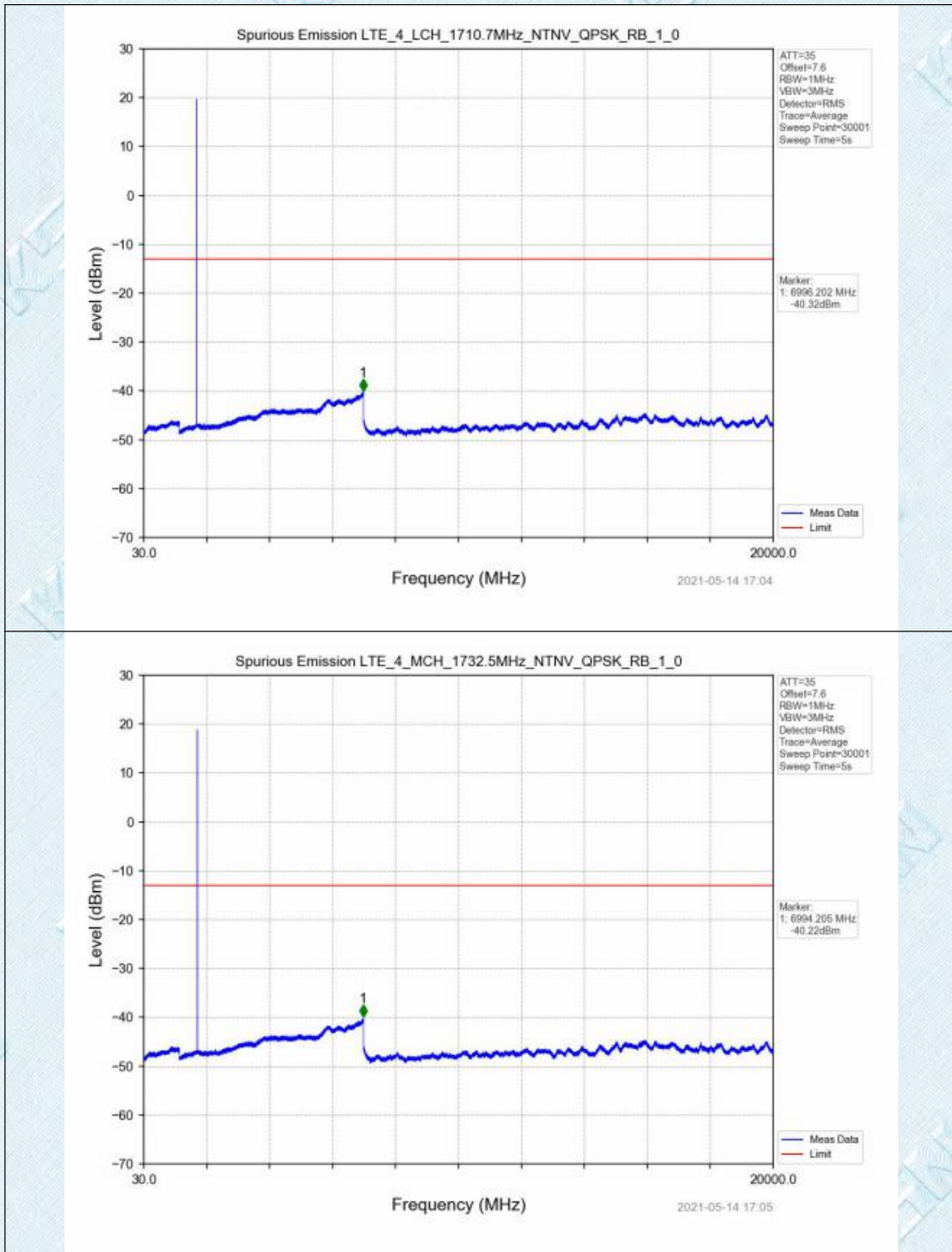


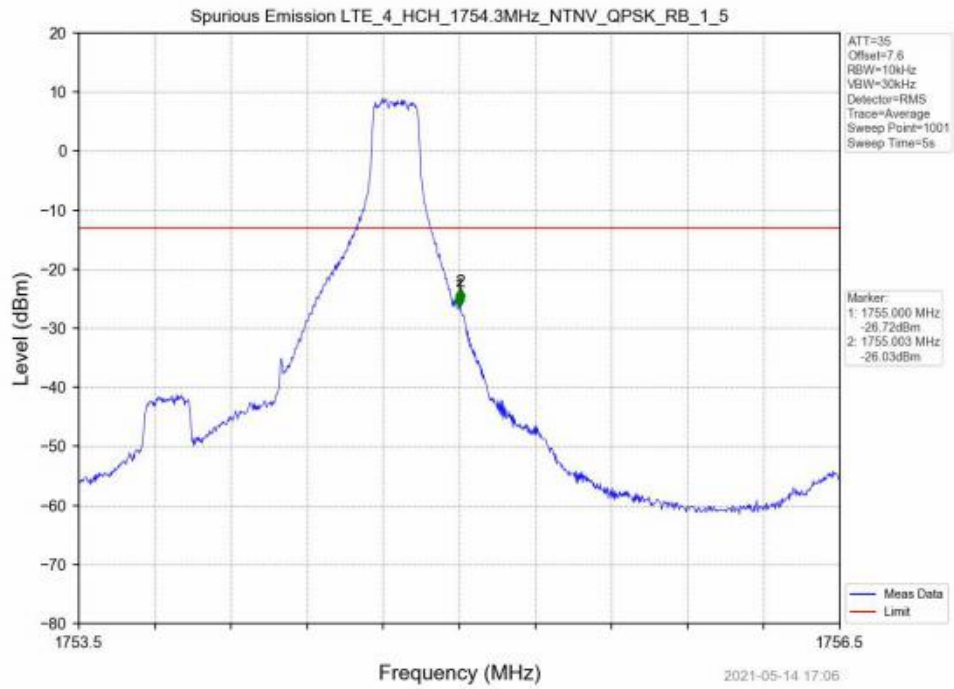
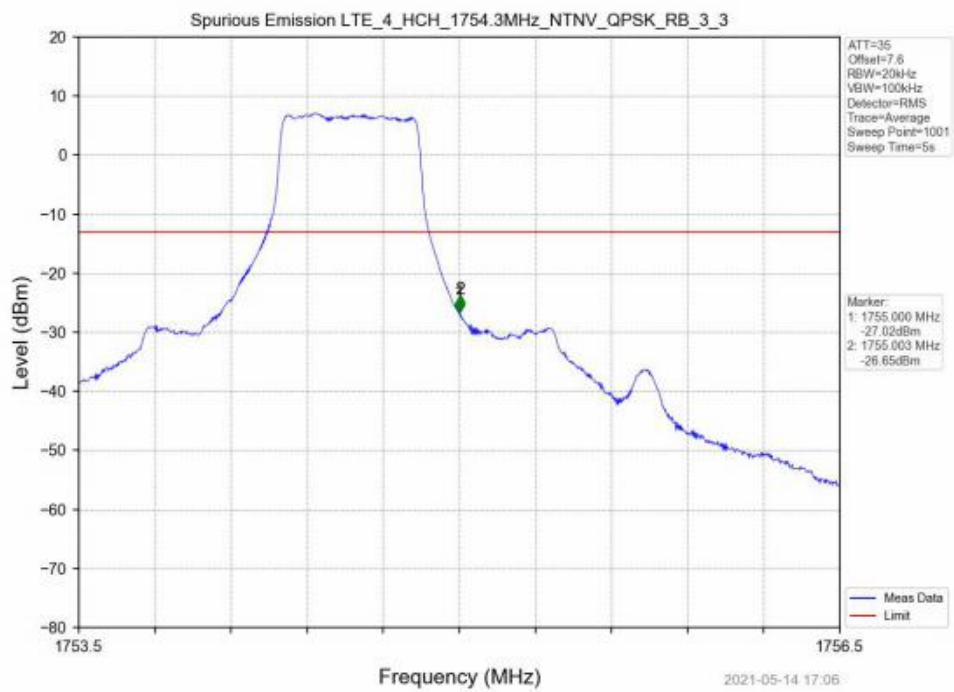


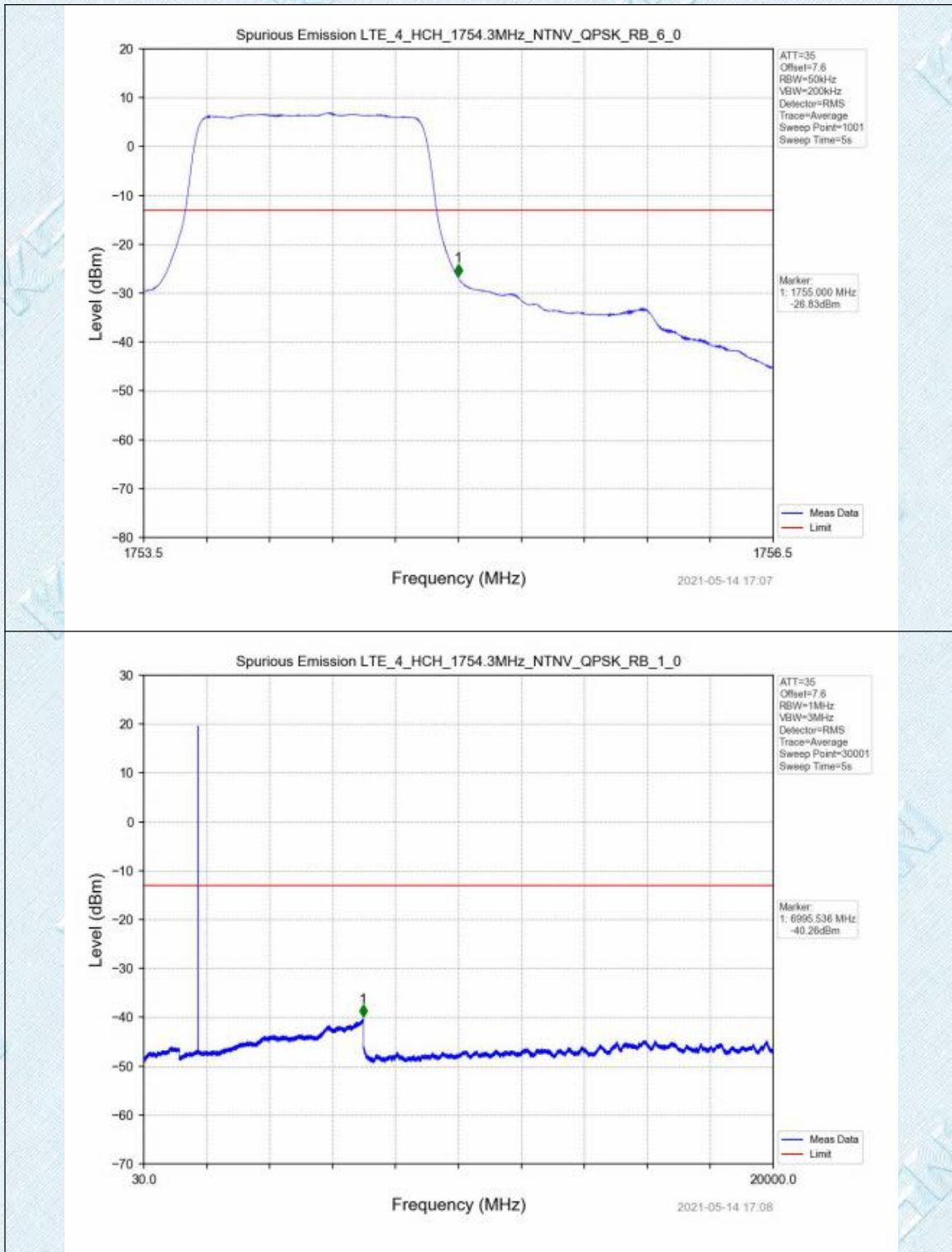






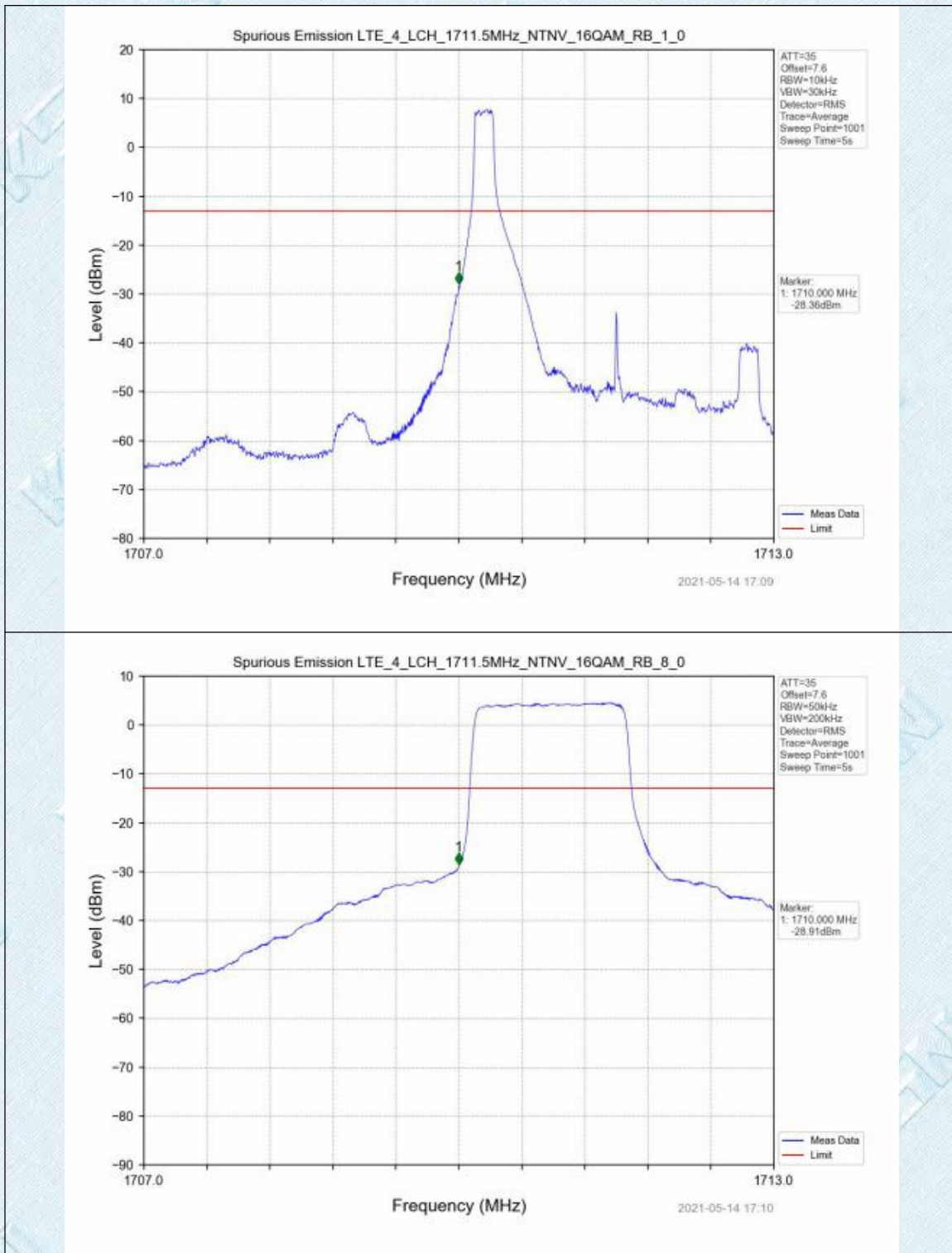


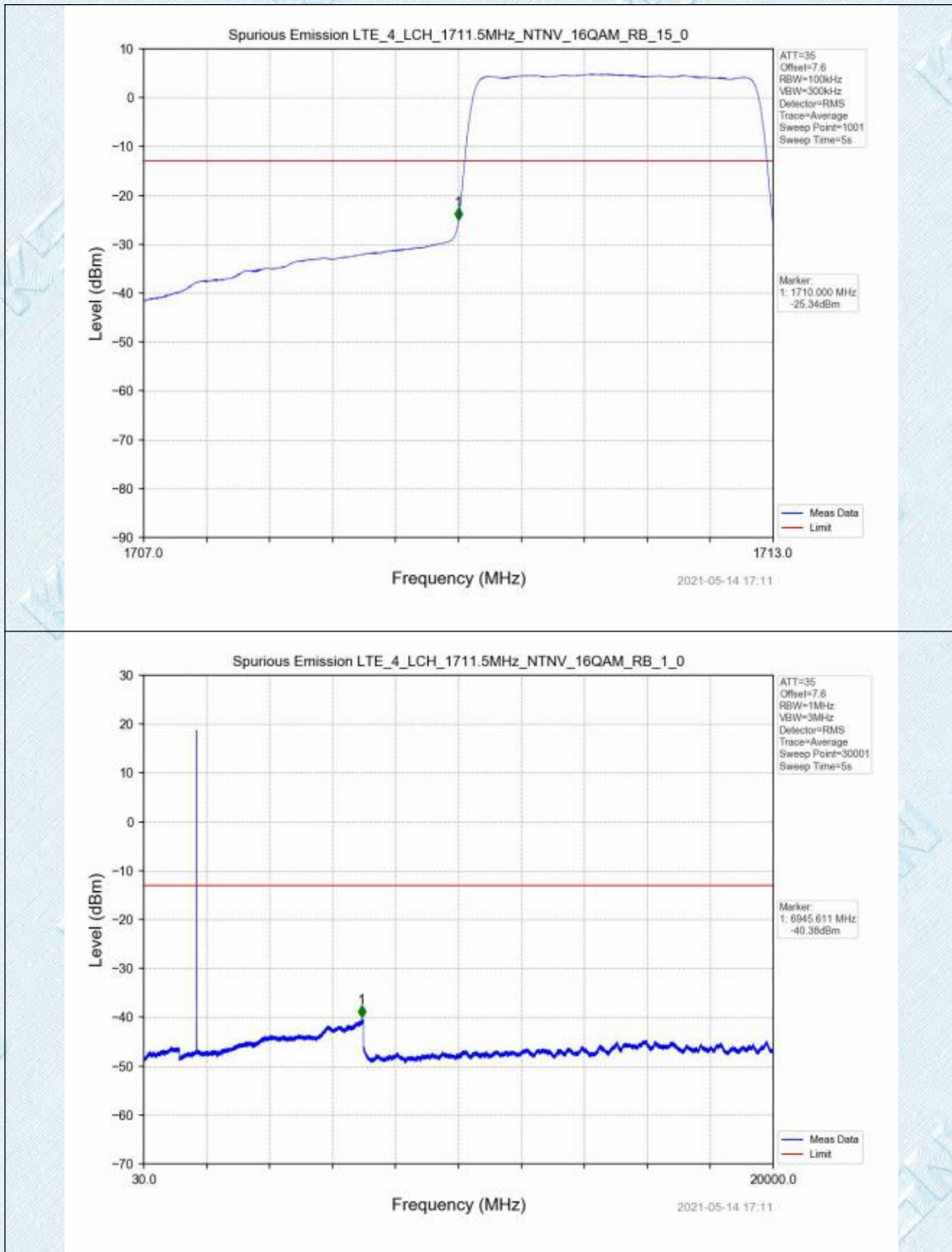


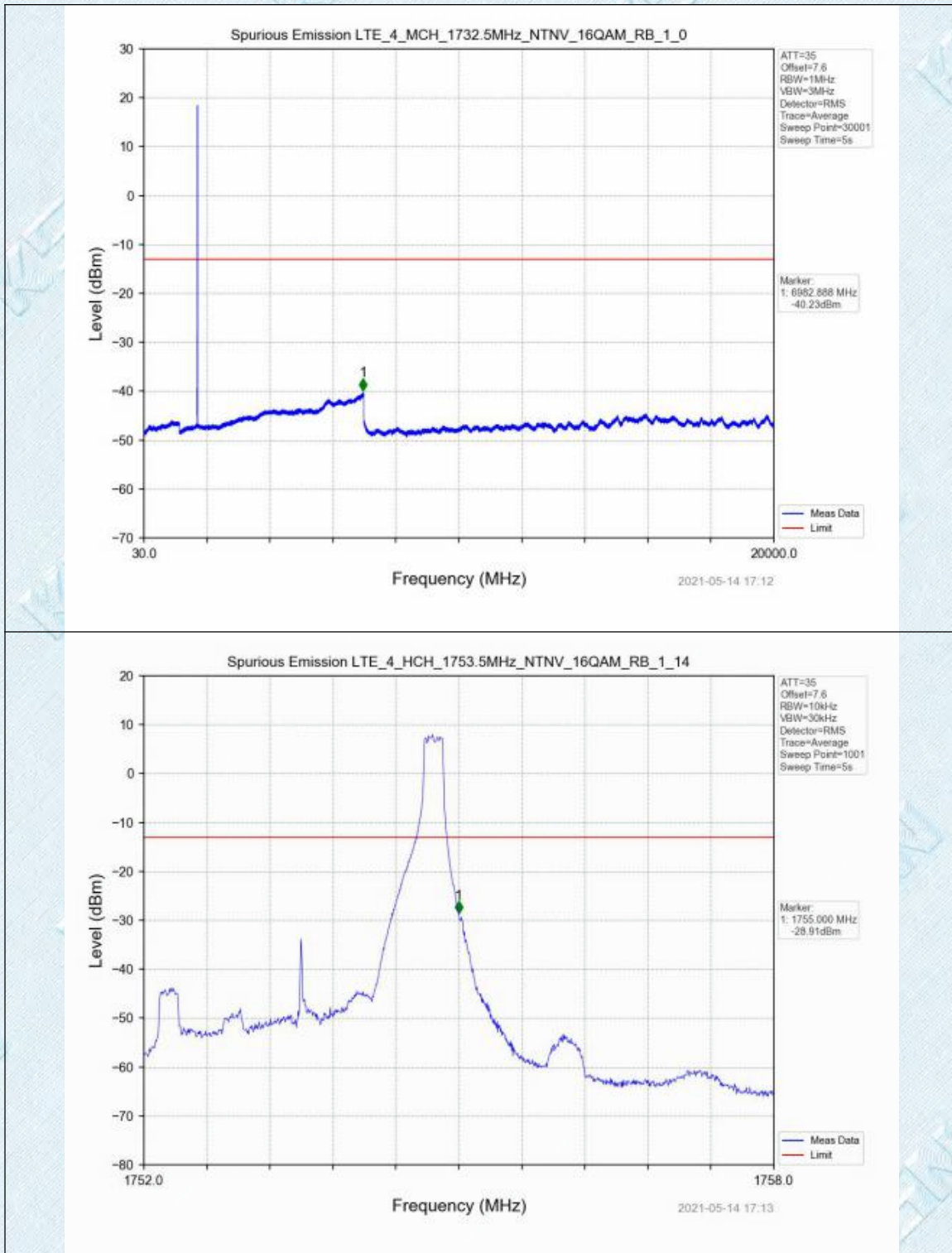


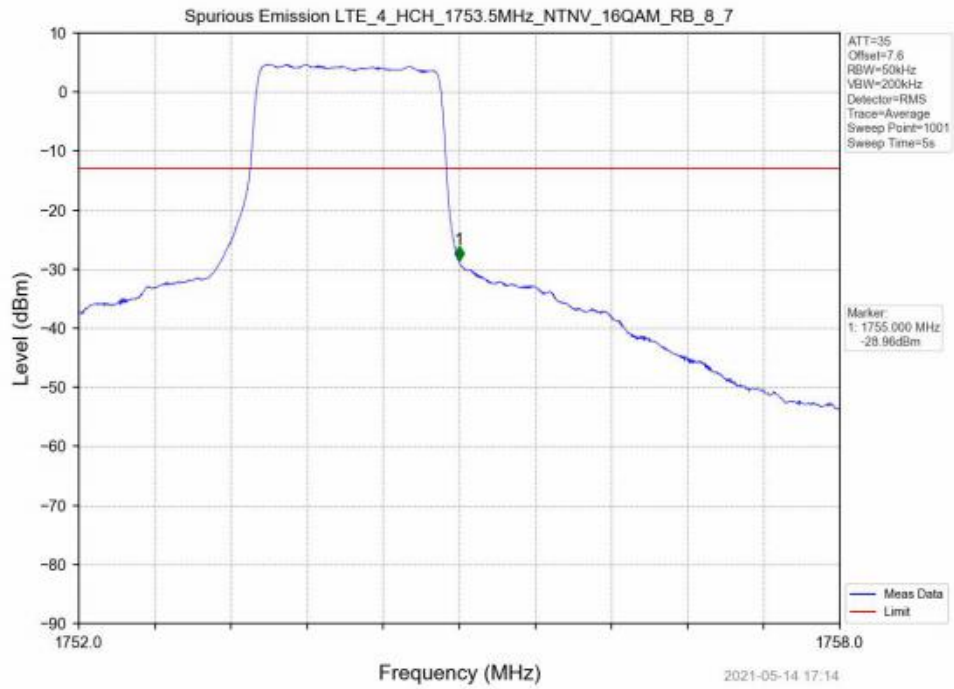
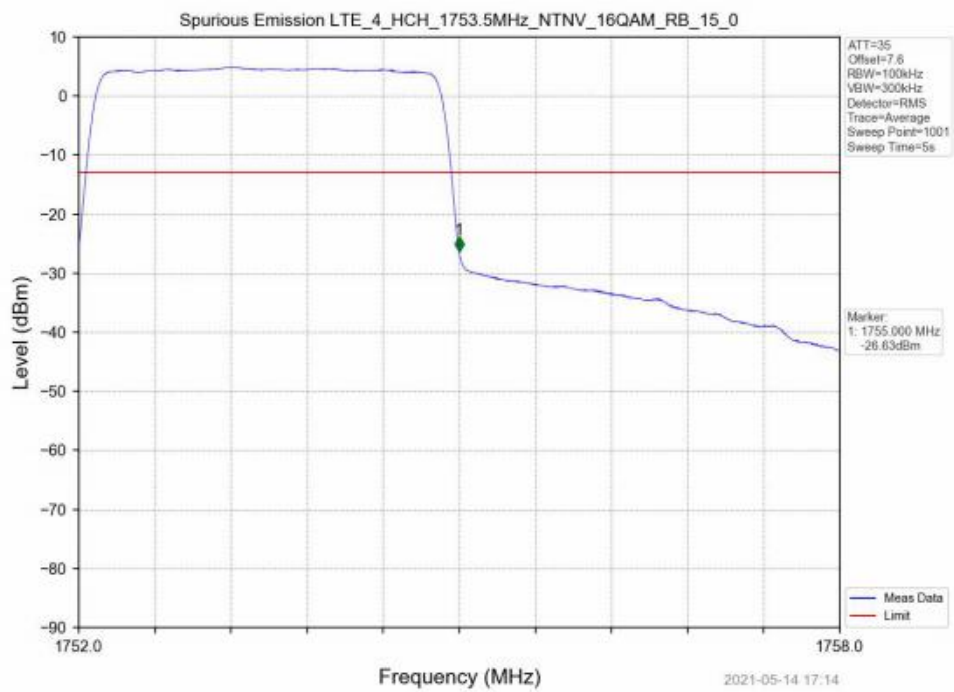
Test Band: 4 _3MHz Bandwidth

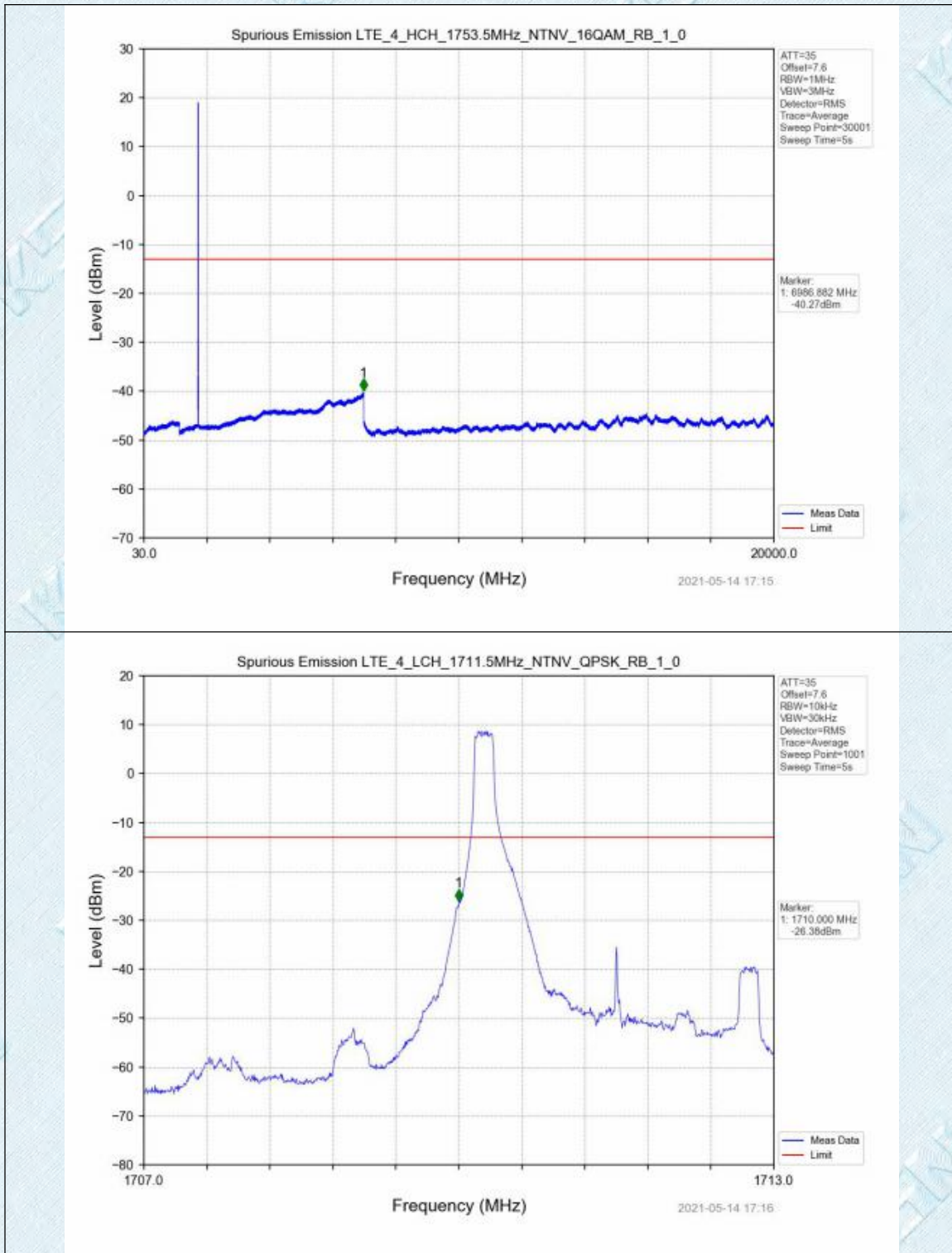
Test Graph

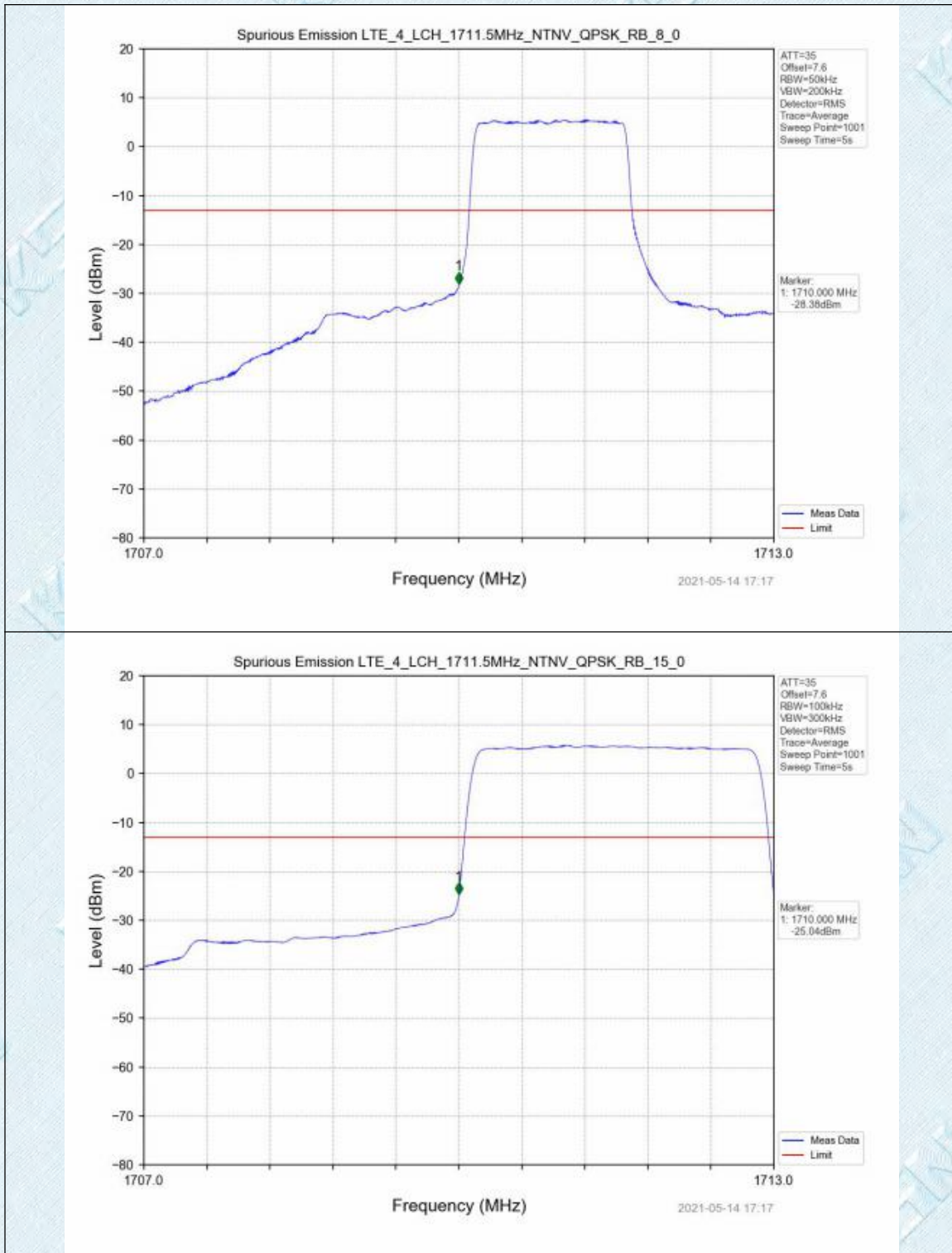


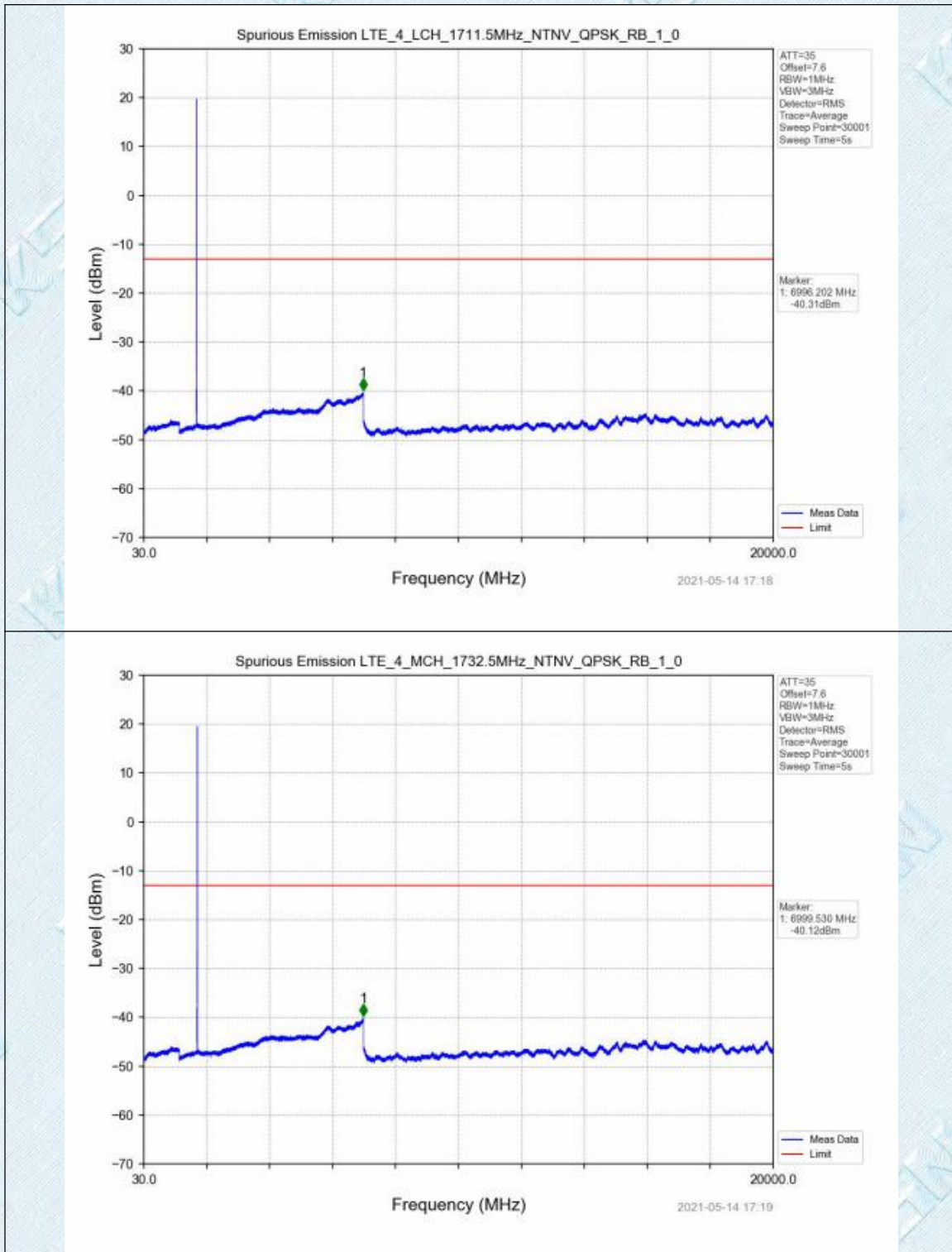


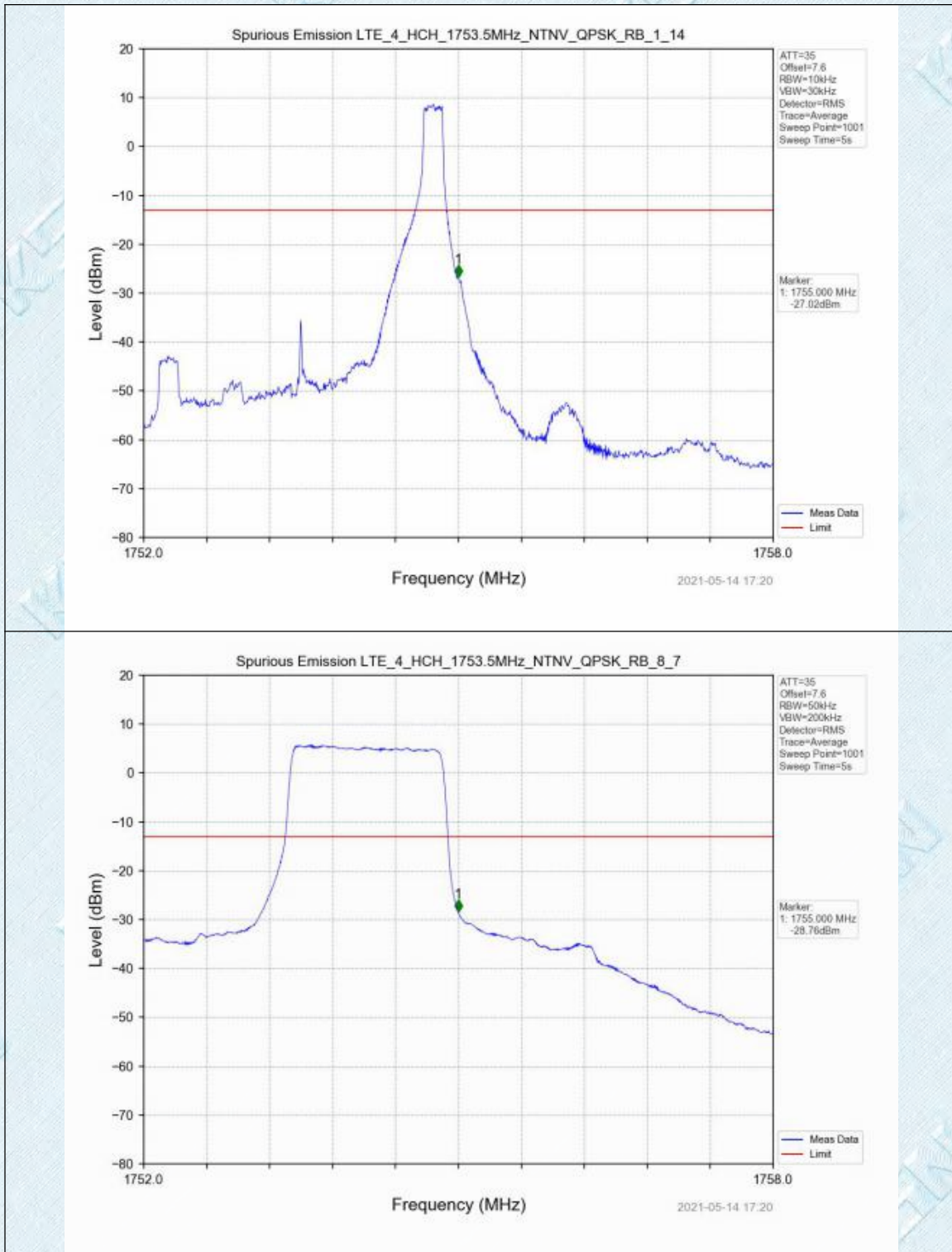


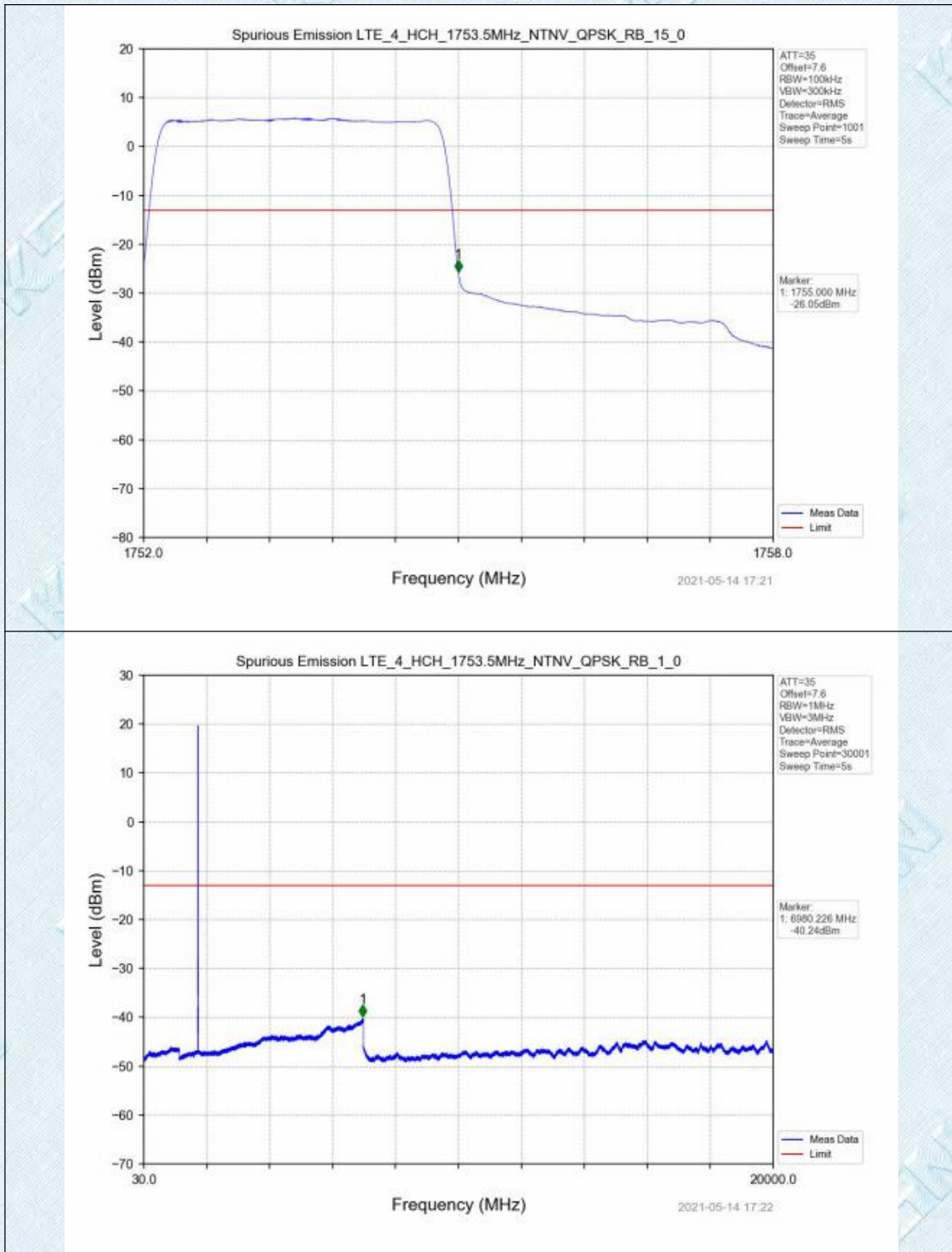






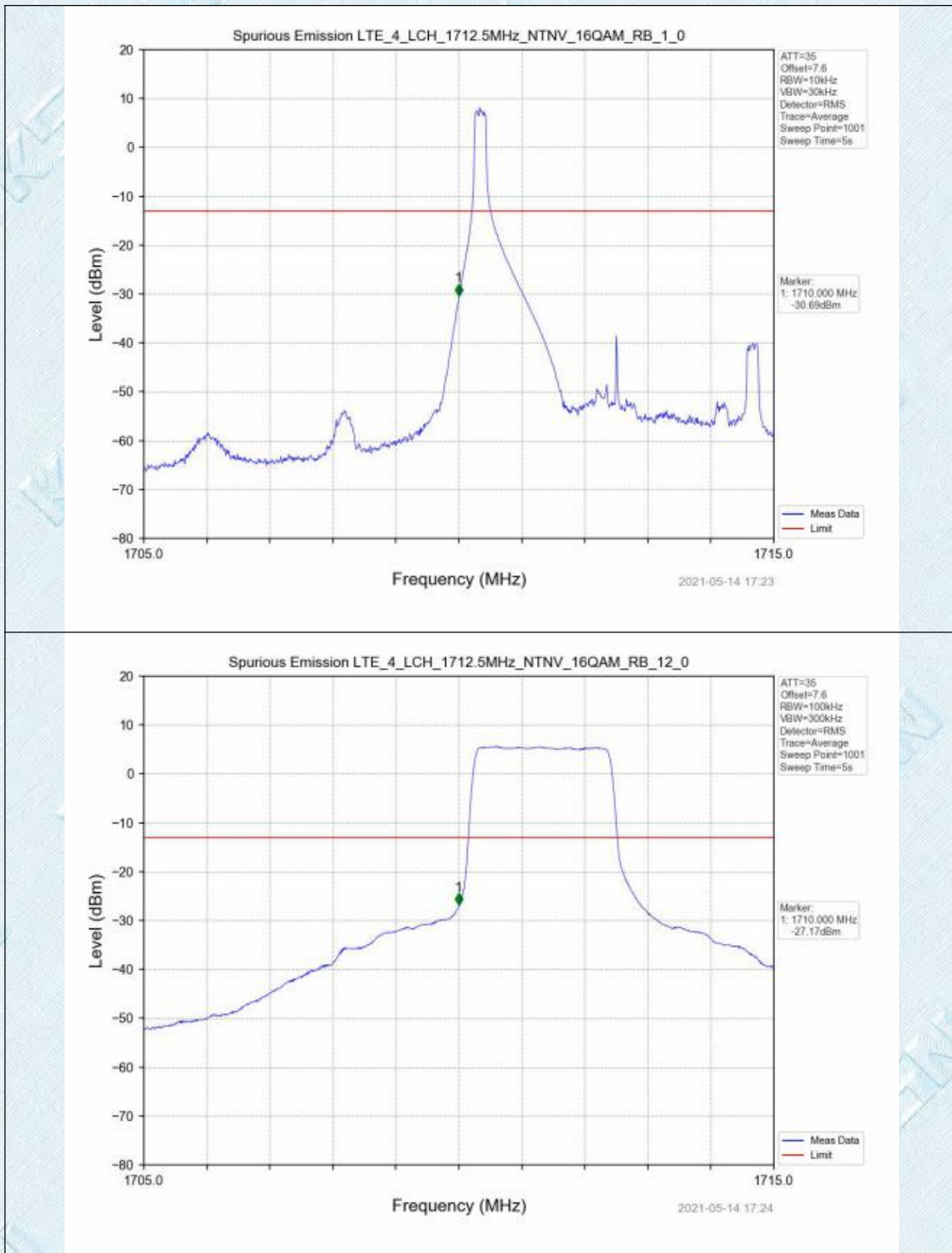


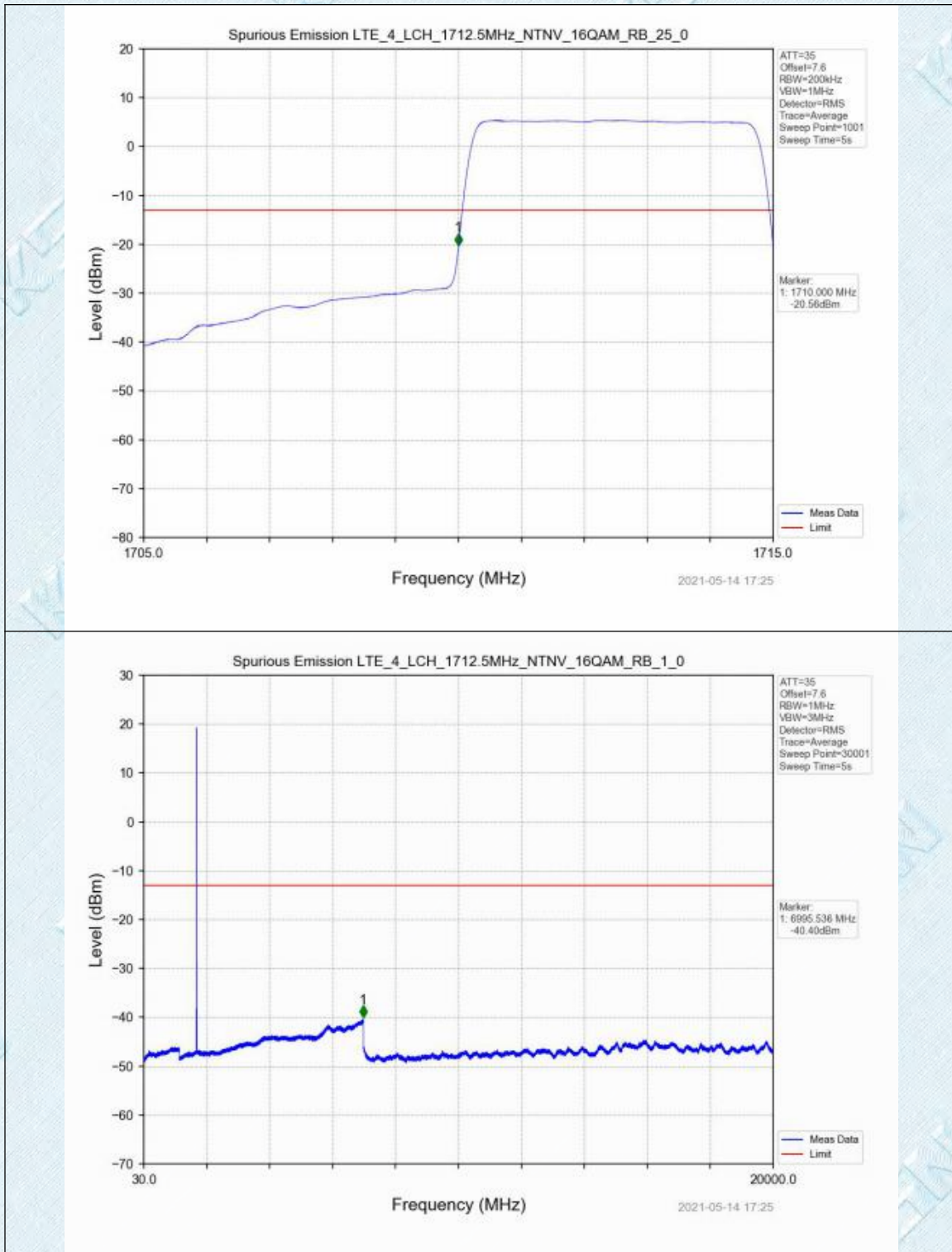


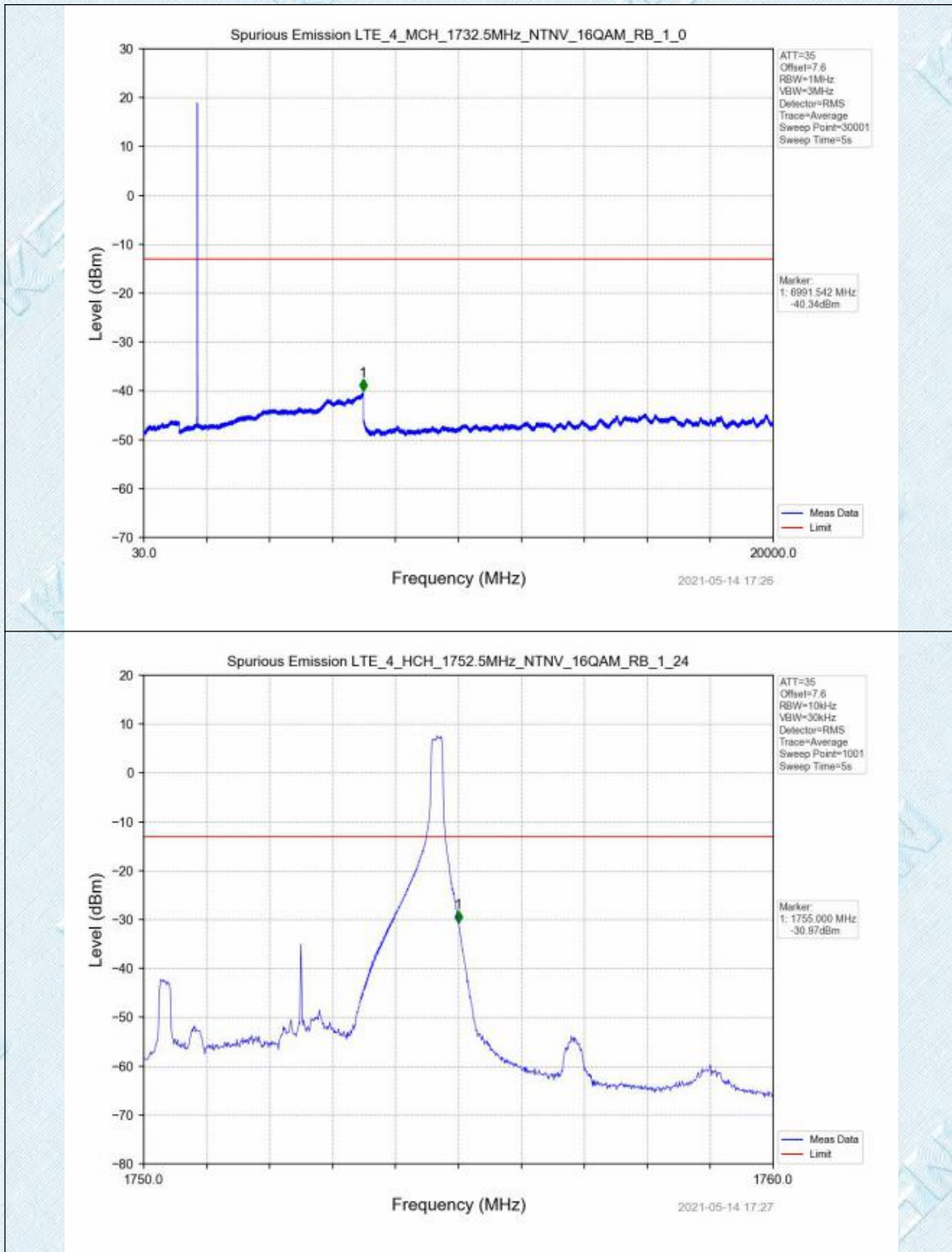


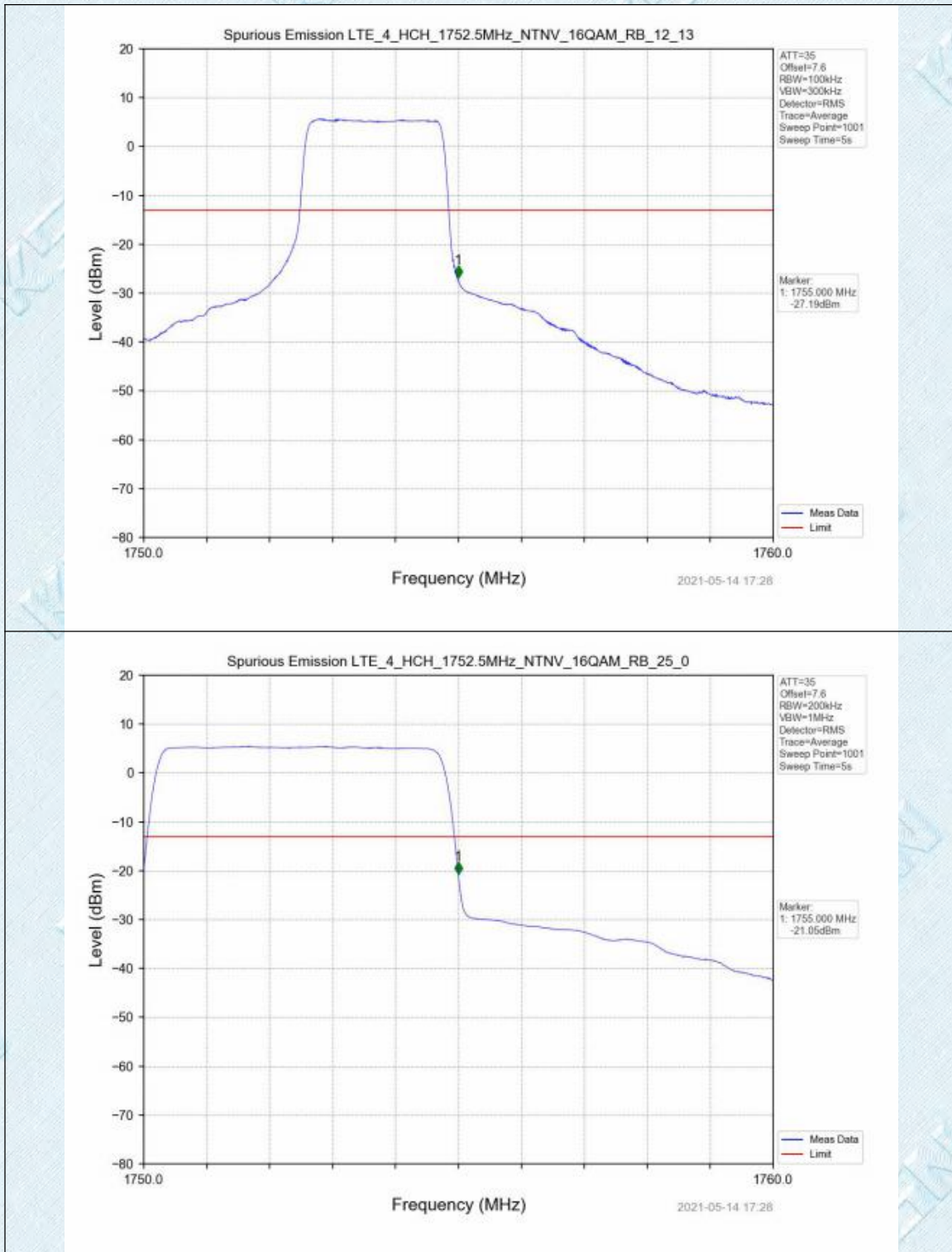
Test Band: 4 _5MHz Bandwidth

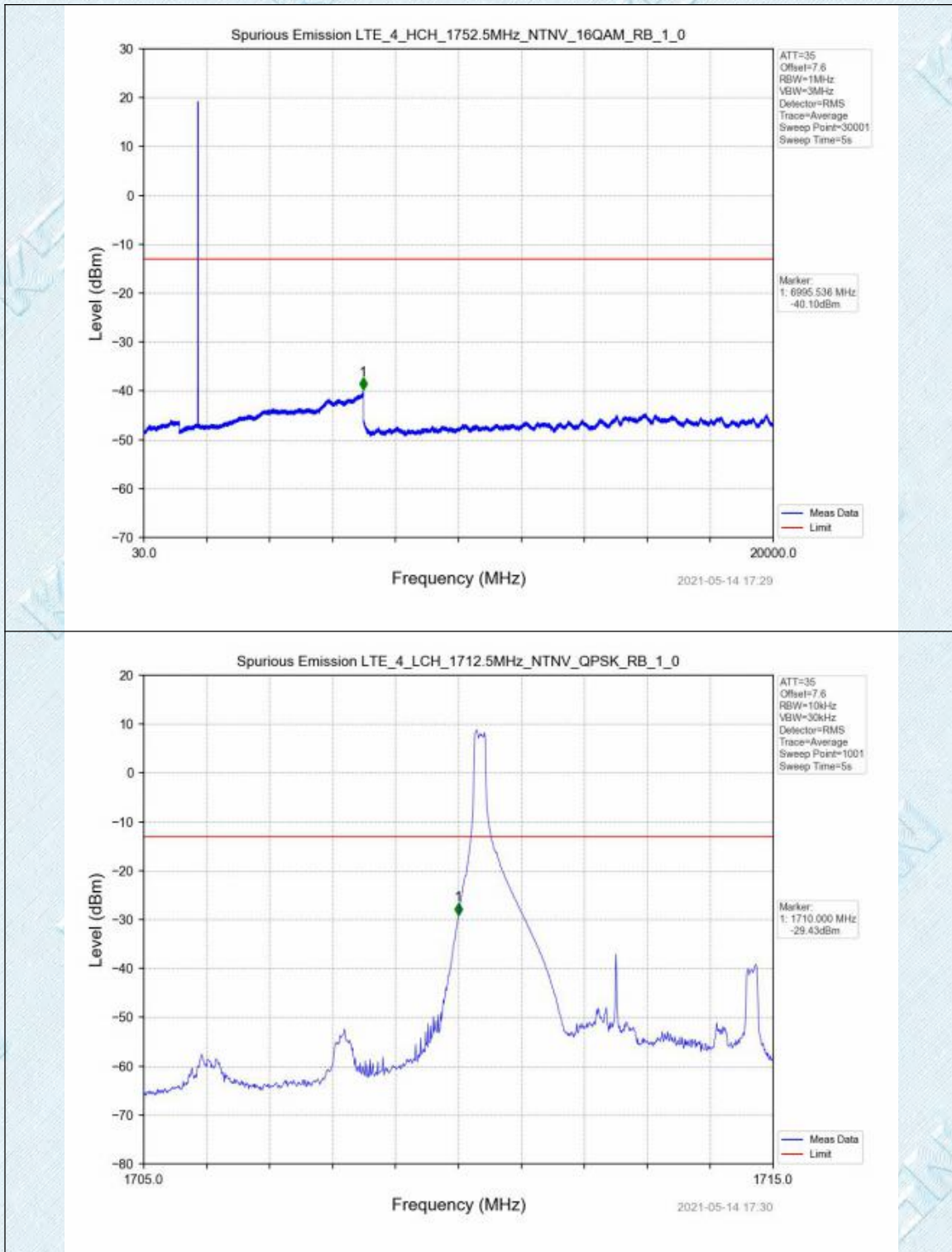
Test Graph

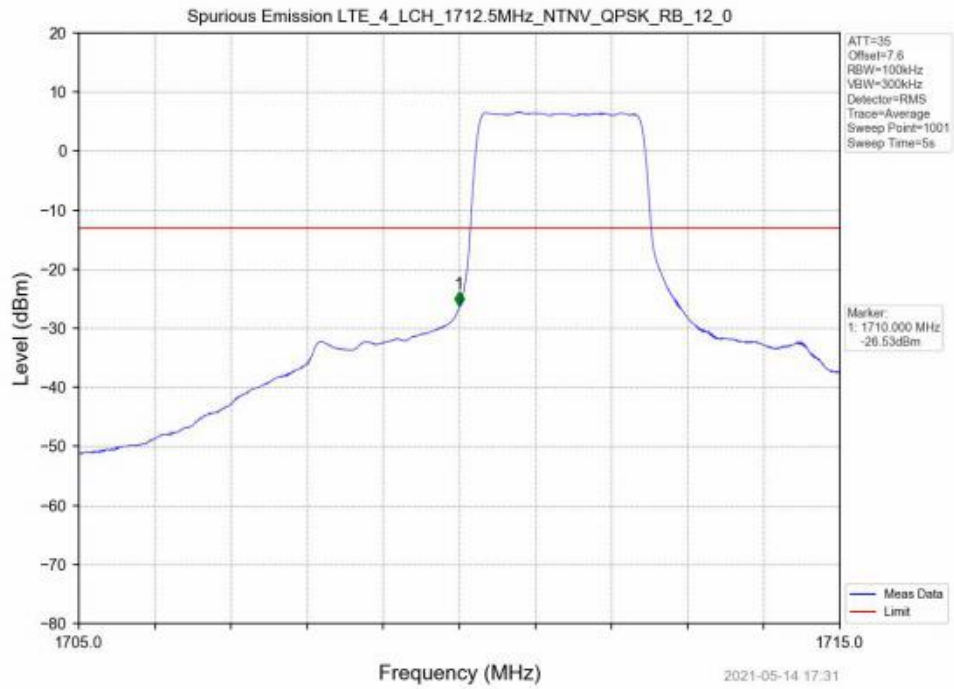
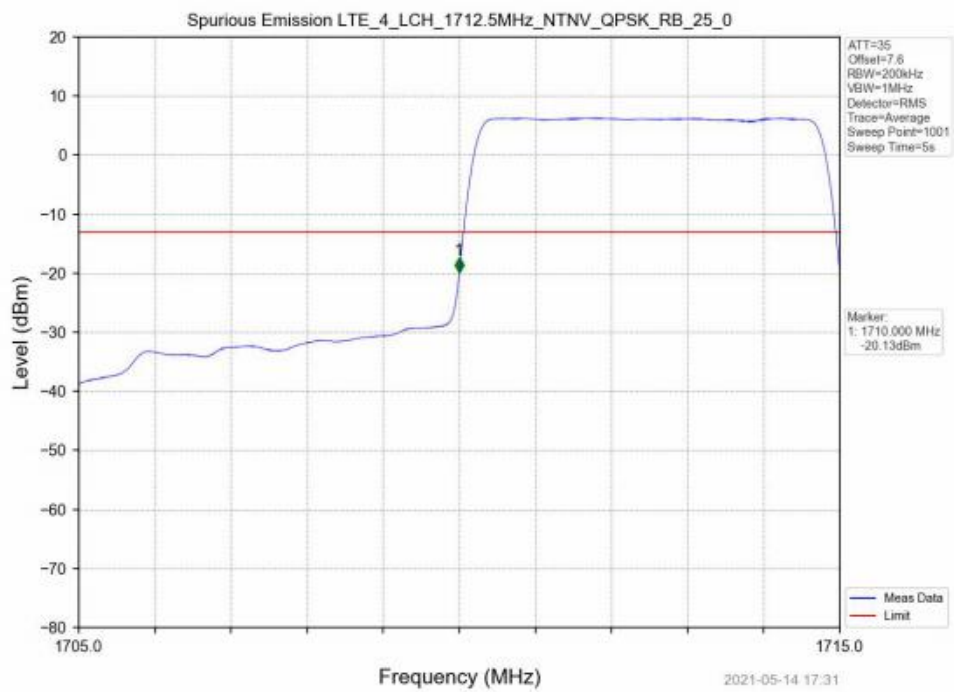


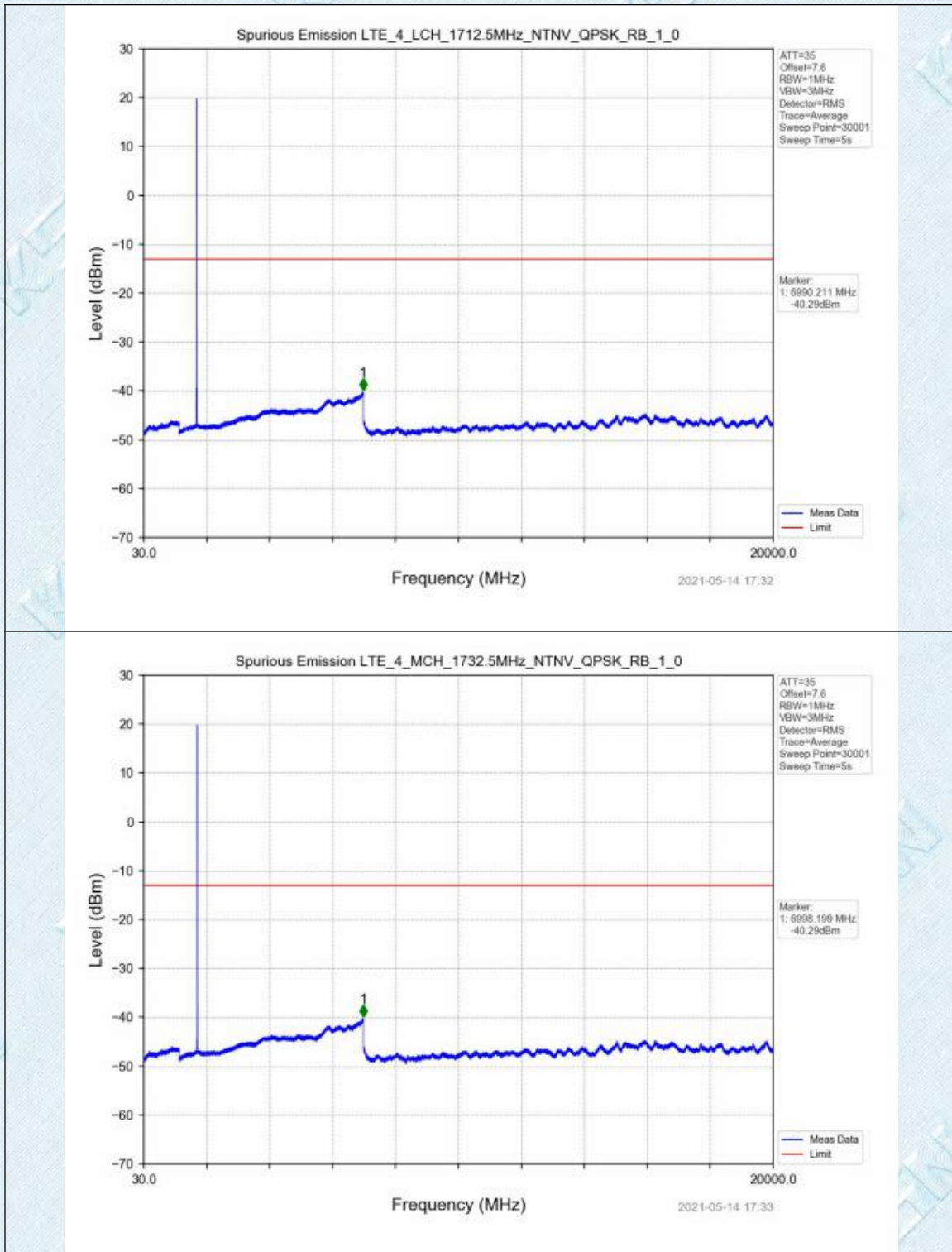


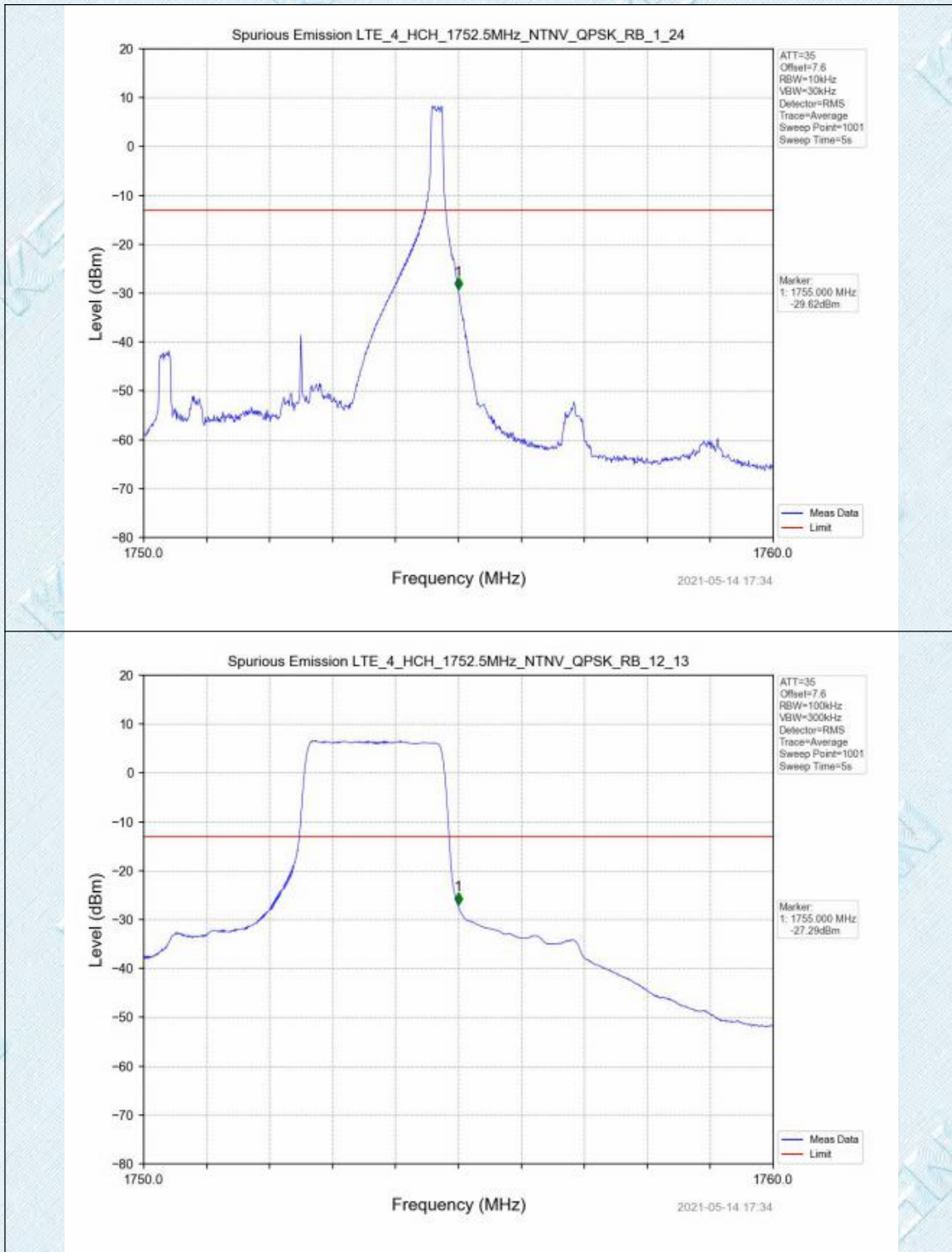


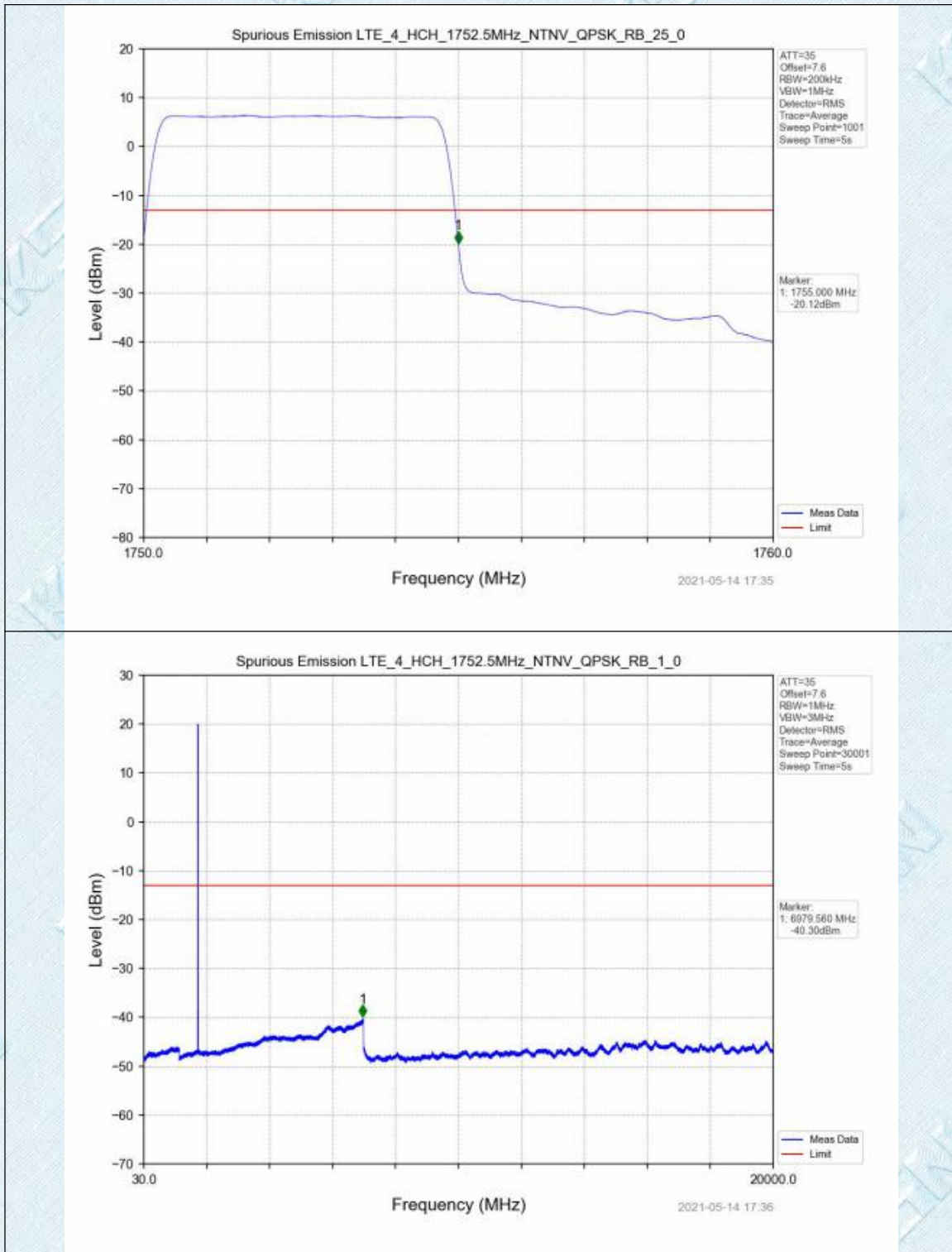






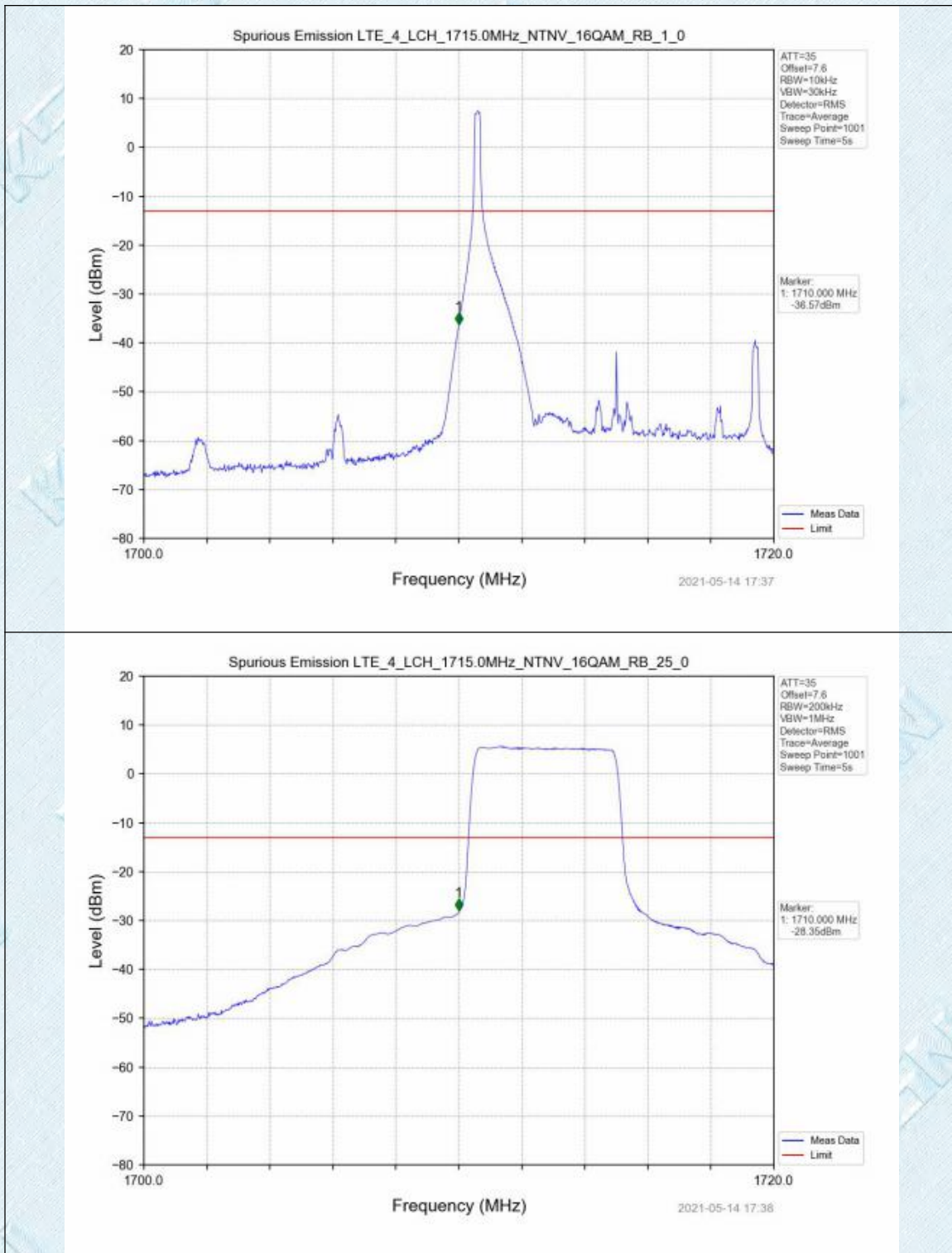


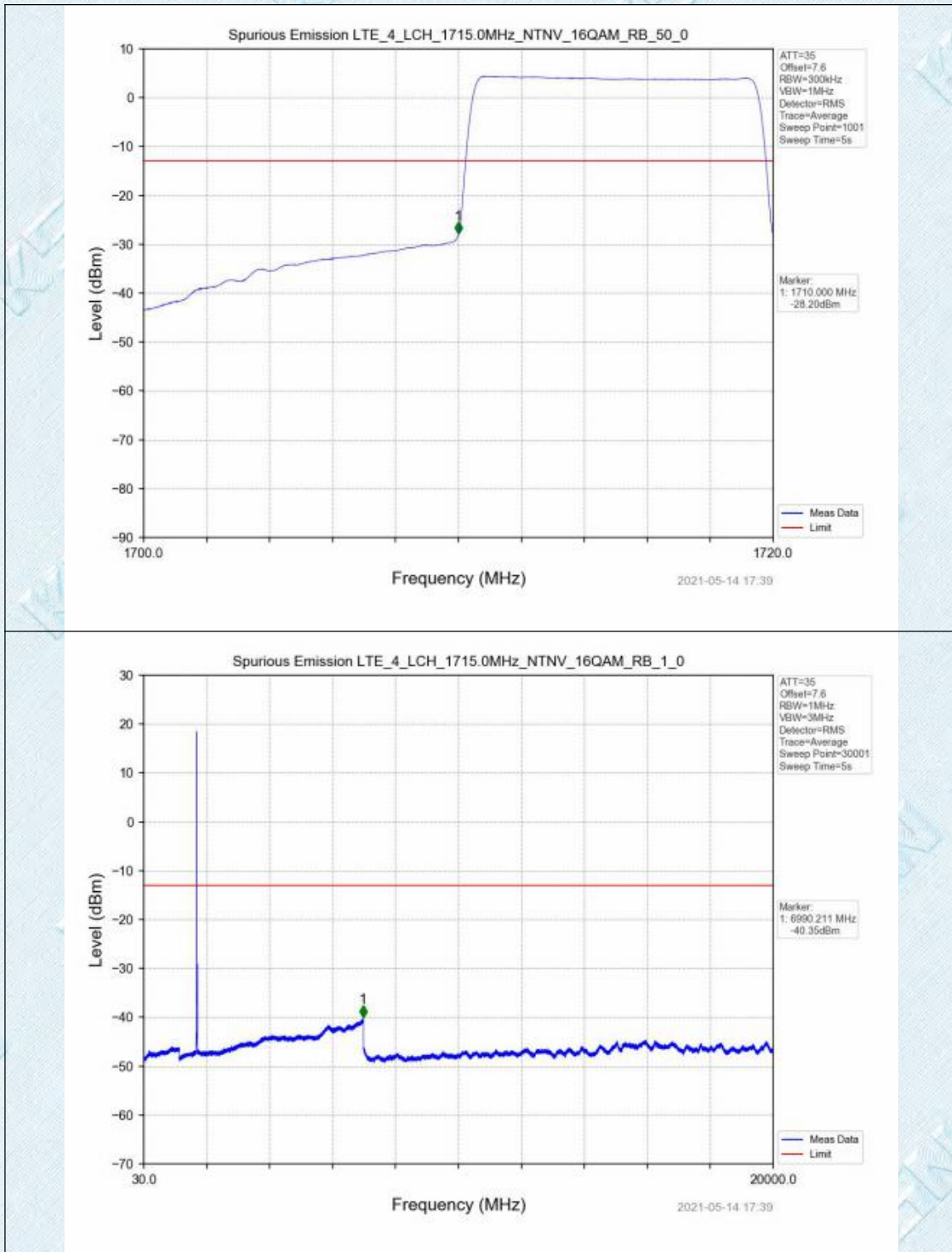


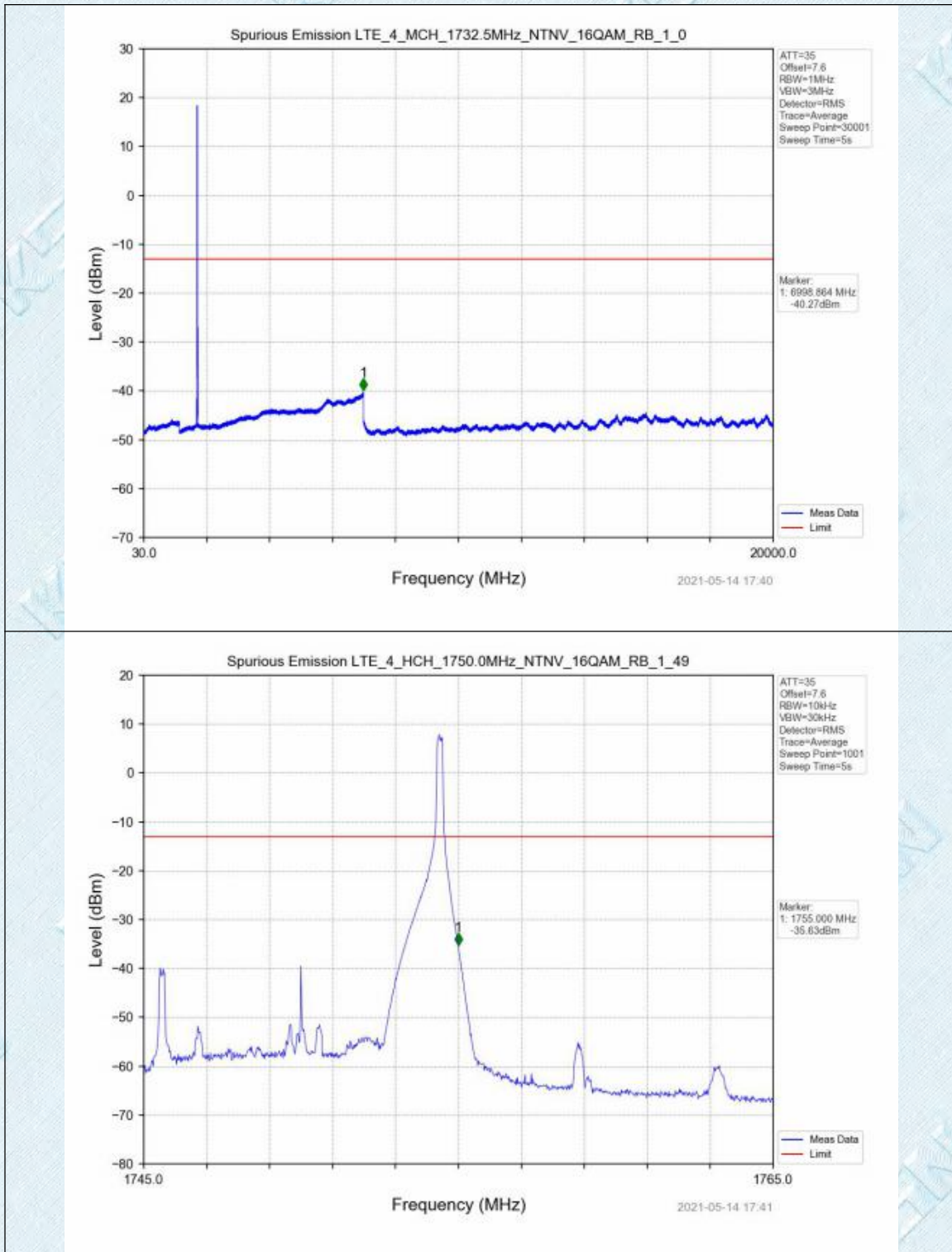


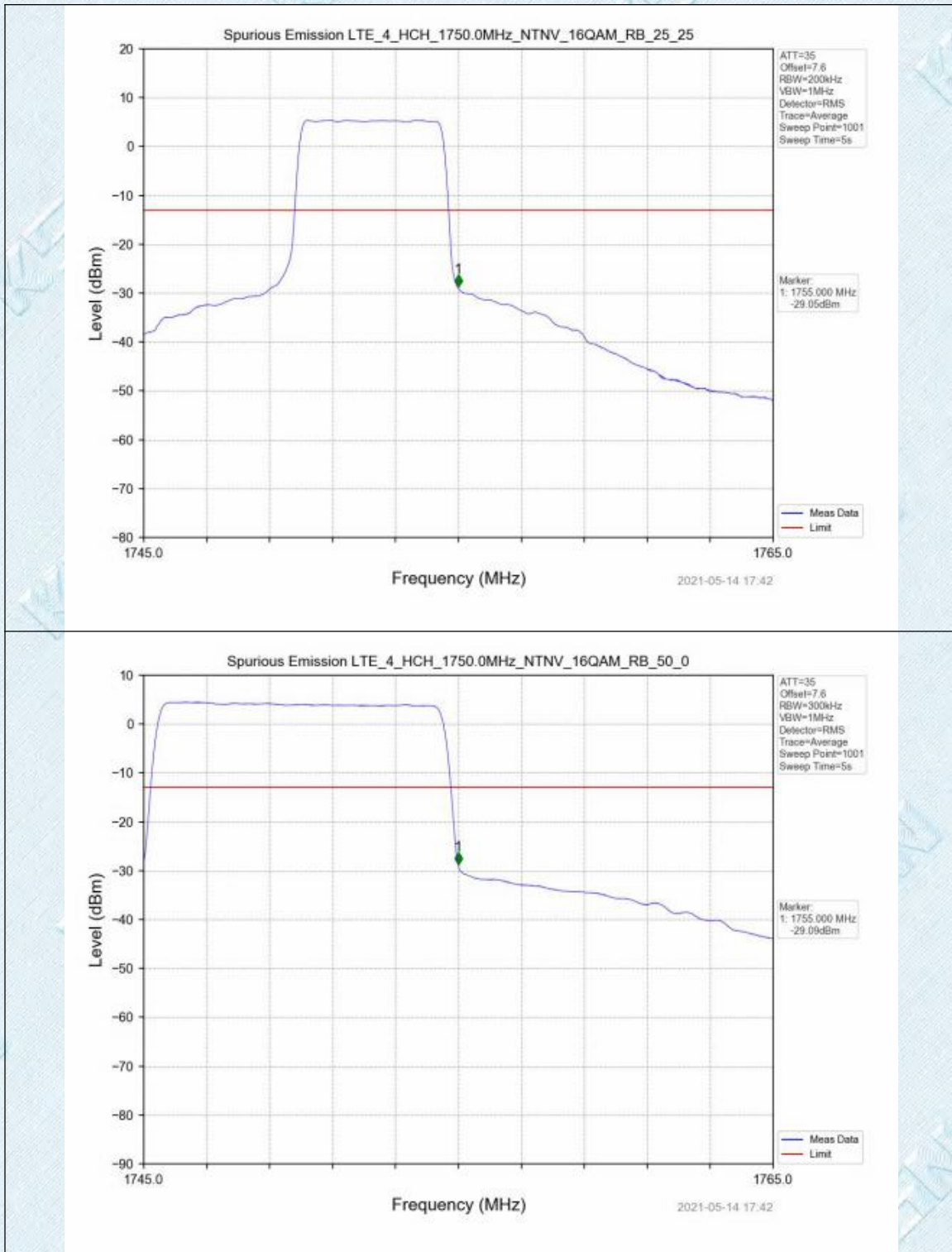
Test Band: 4_10MHz Bandwidth

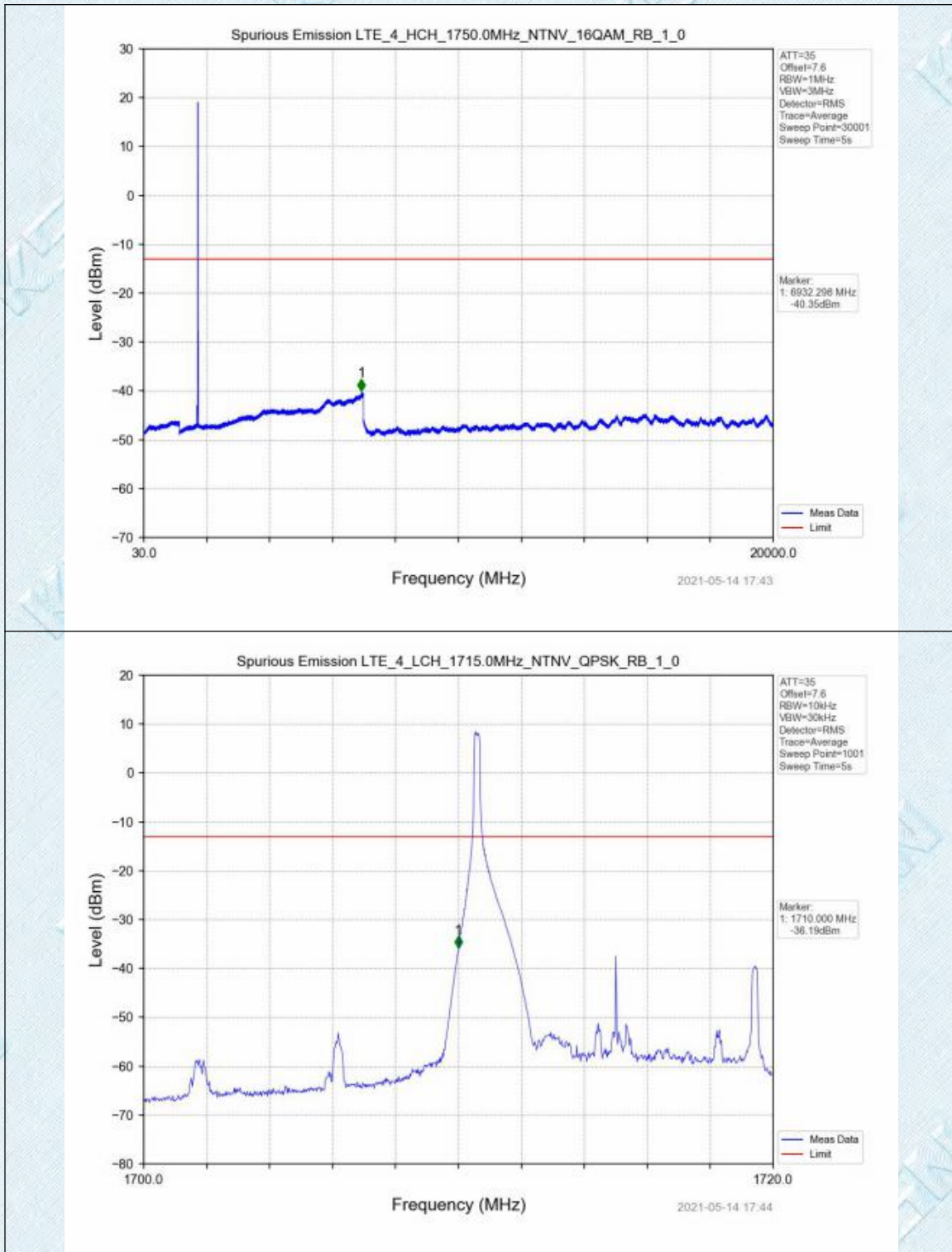
Test Graph

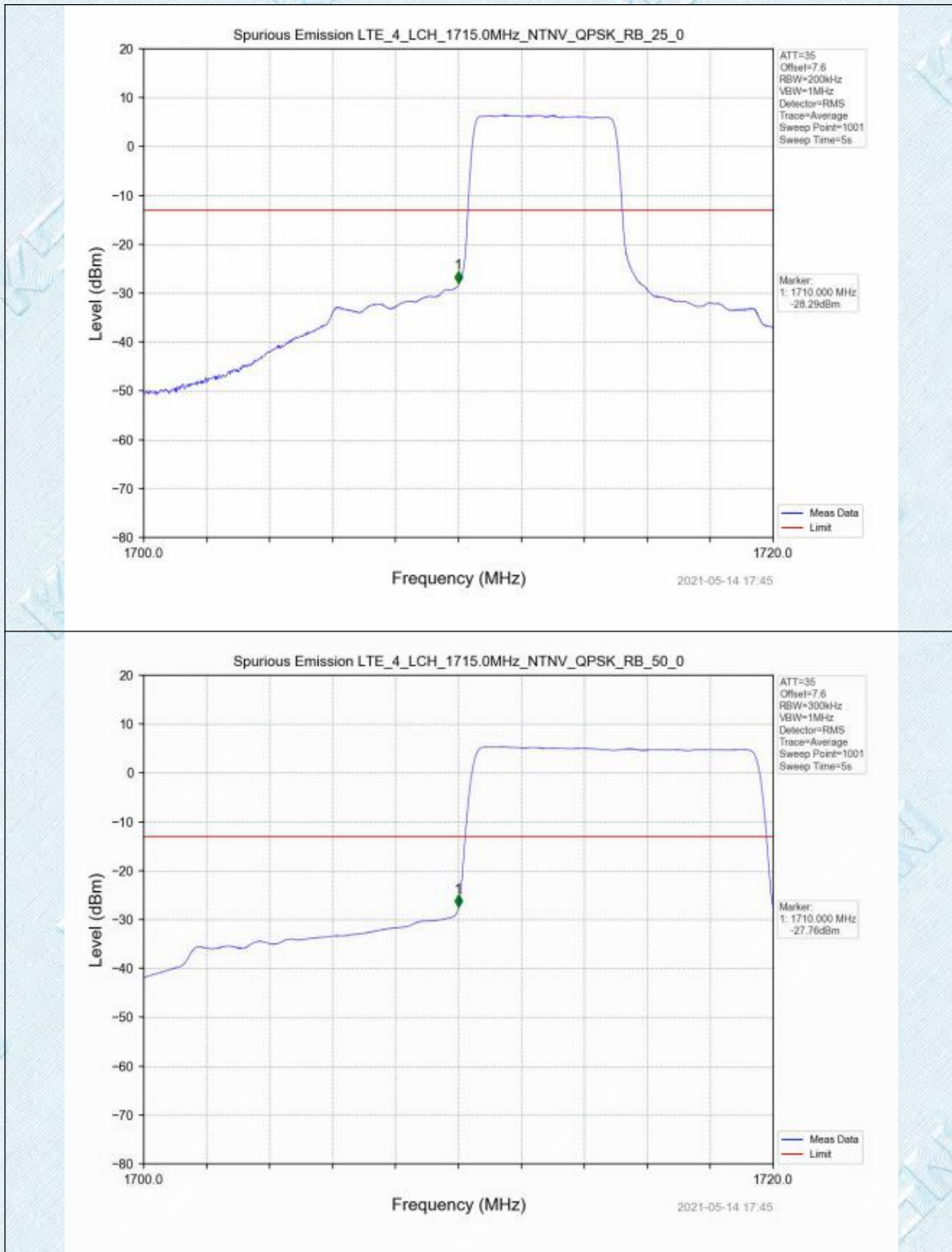


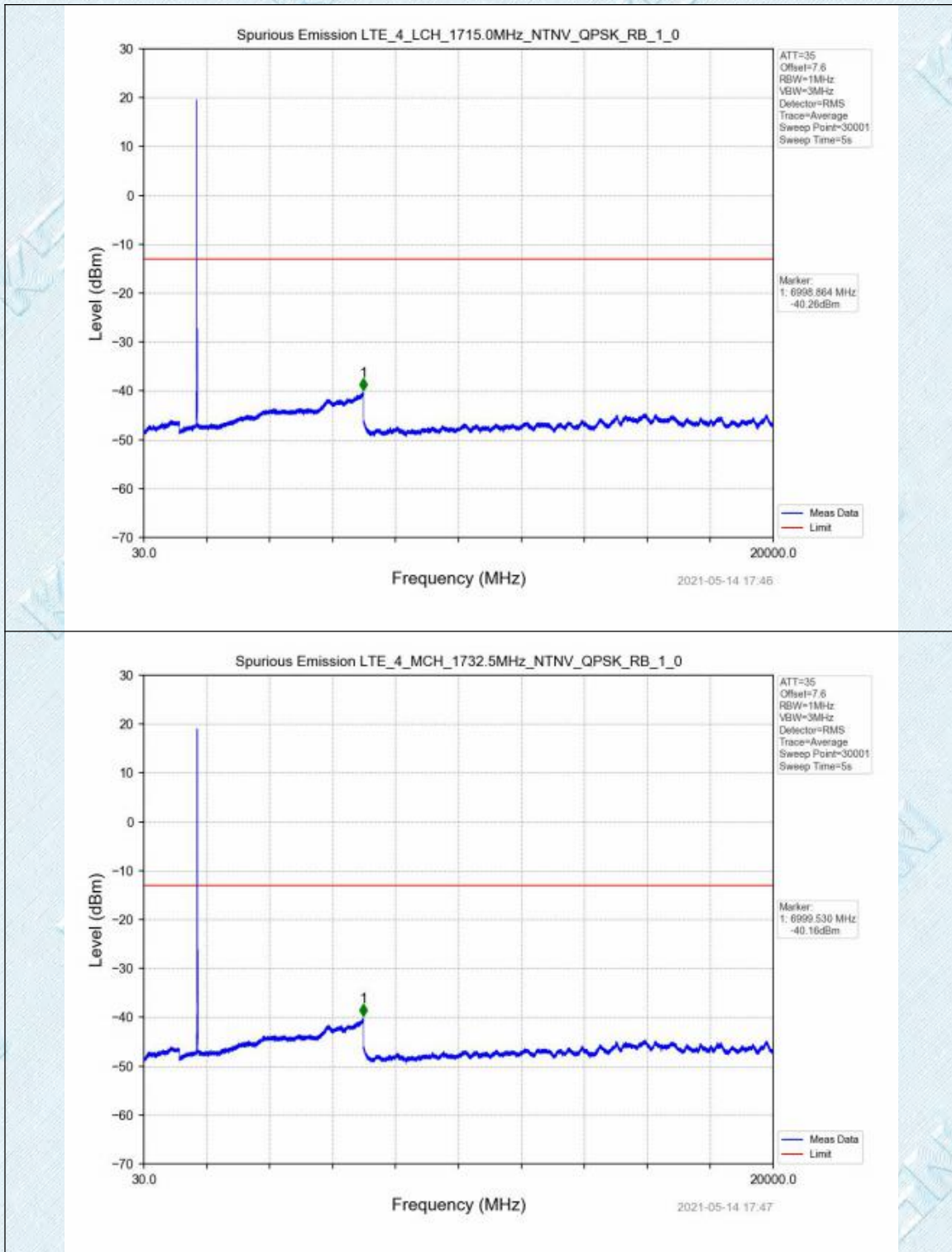


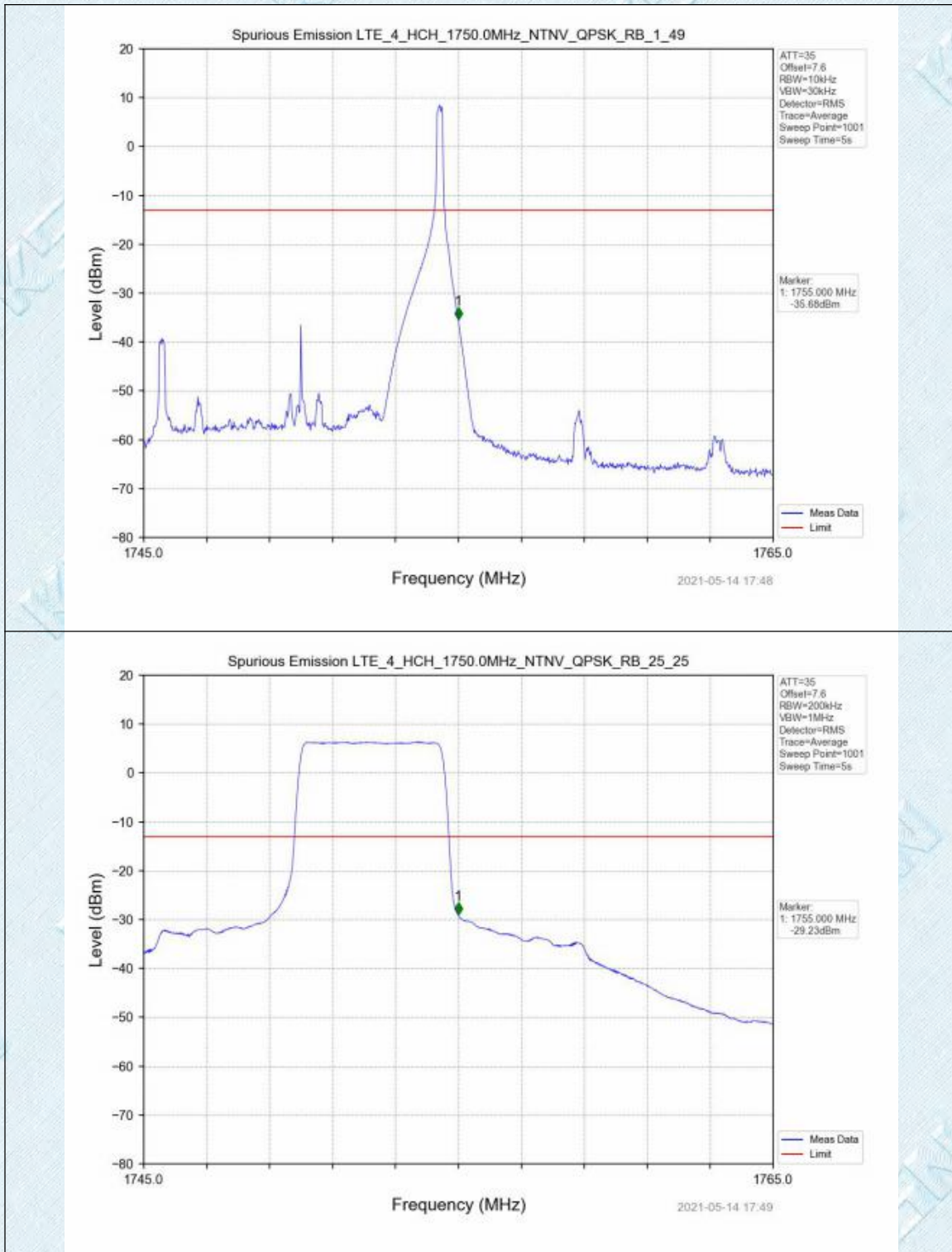


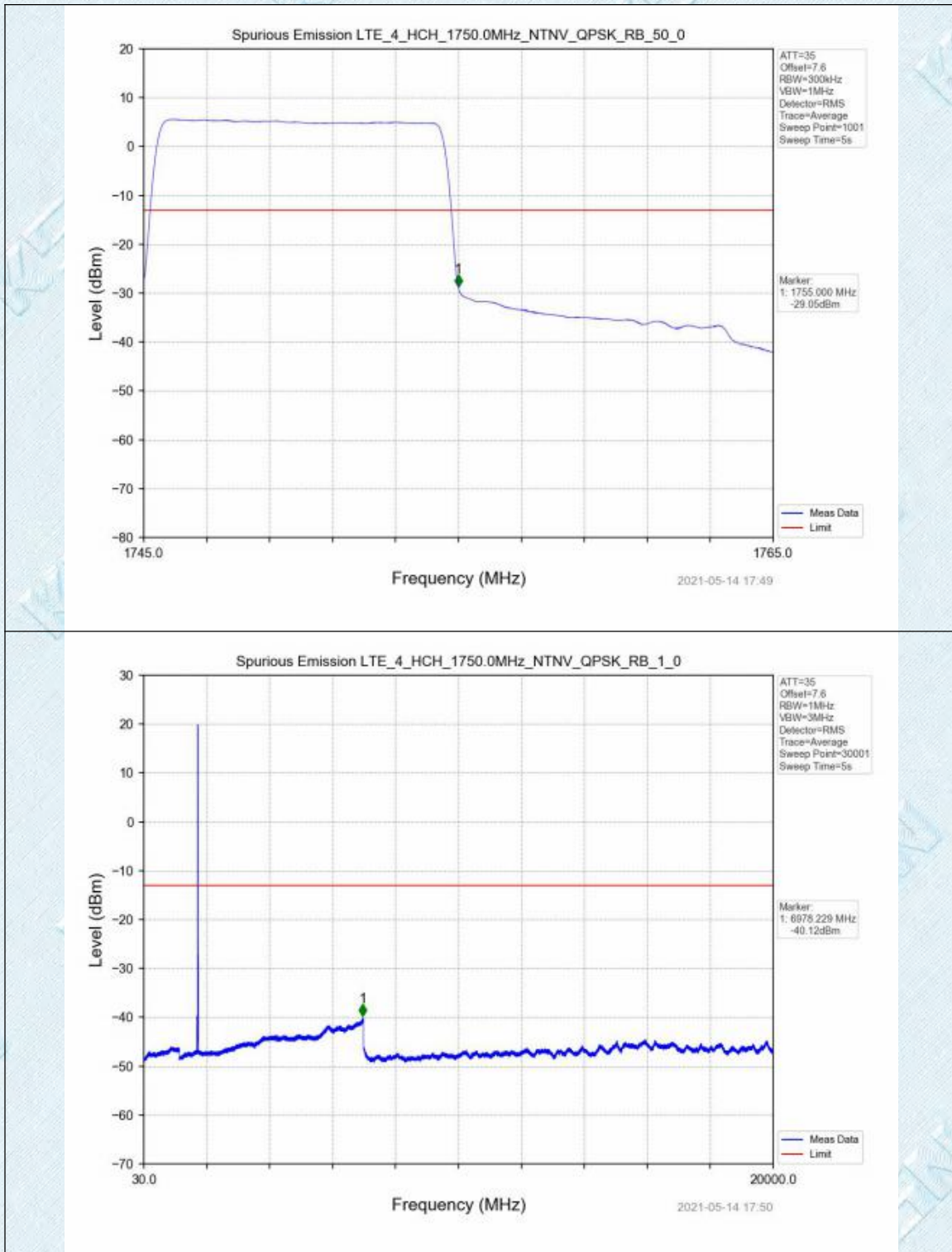






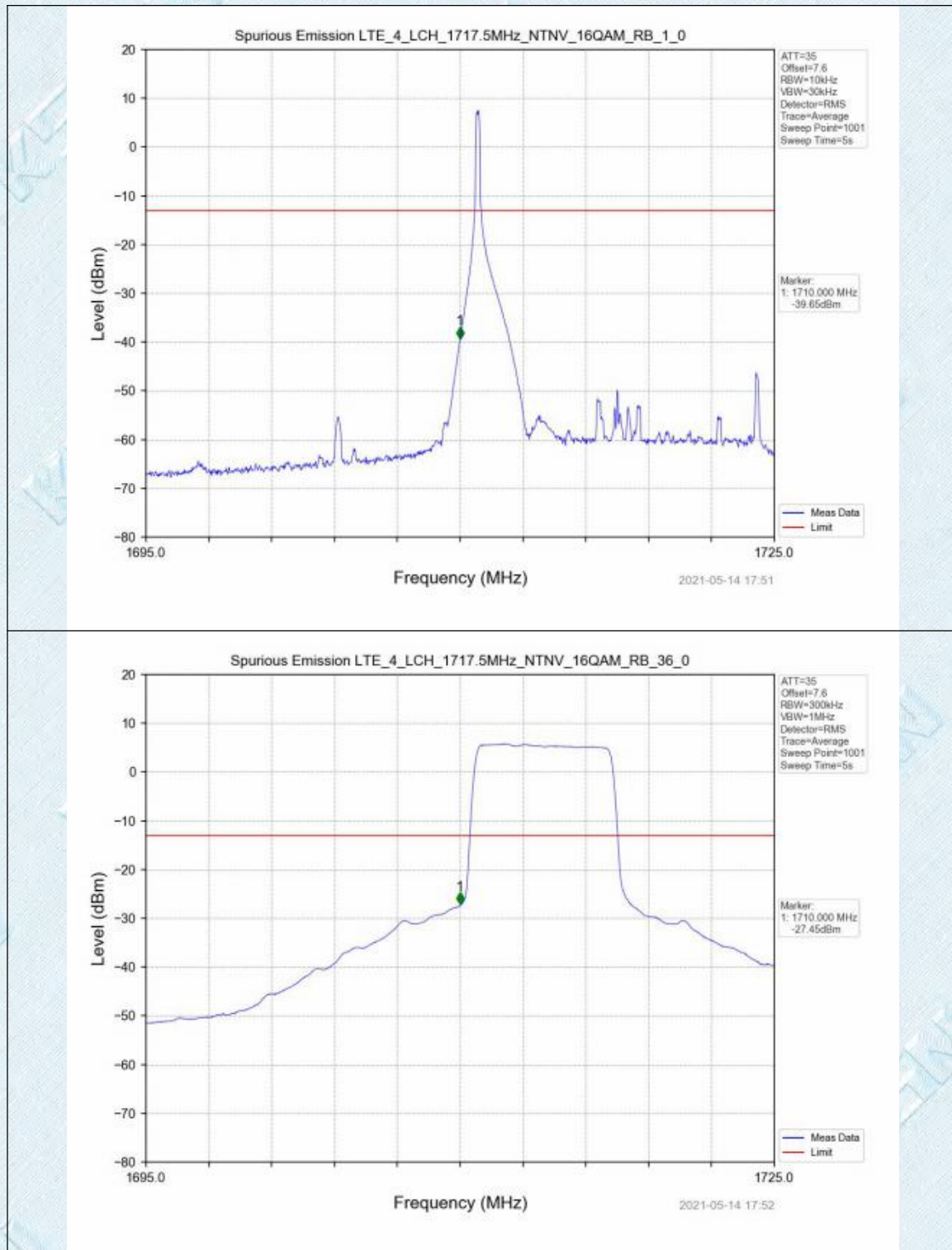


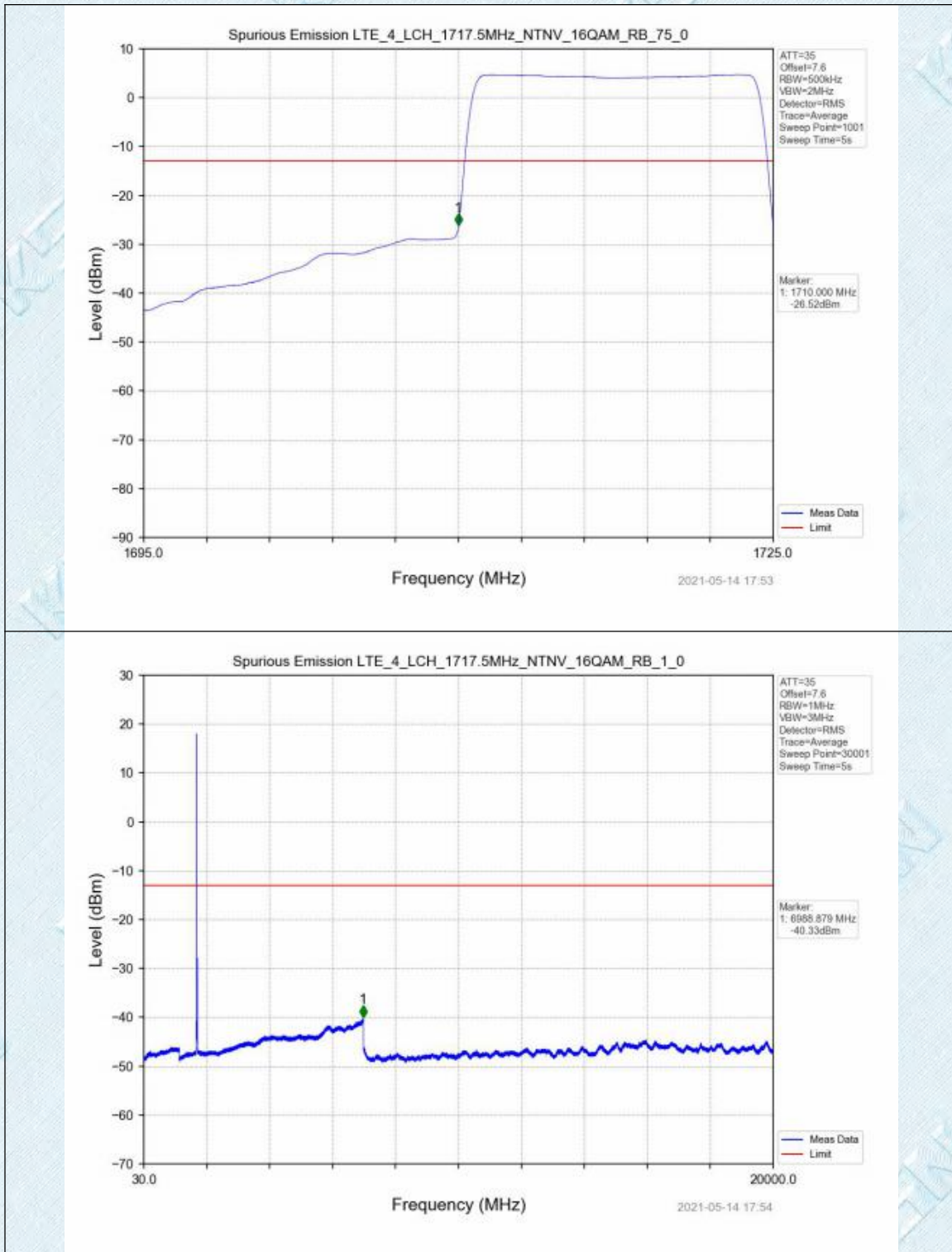


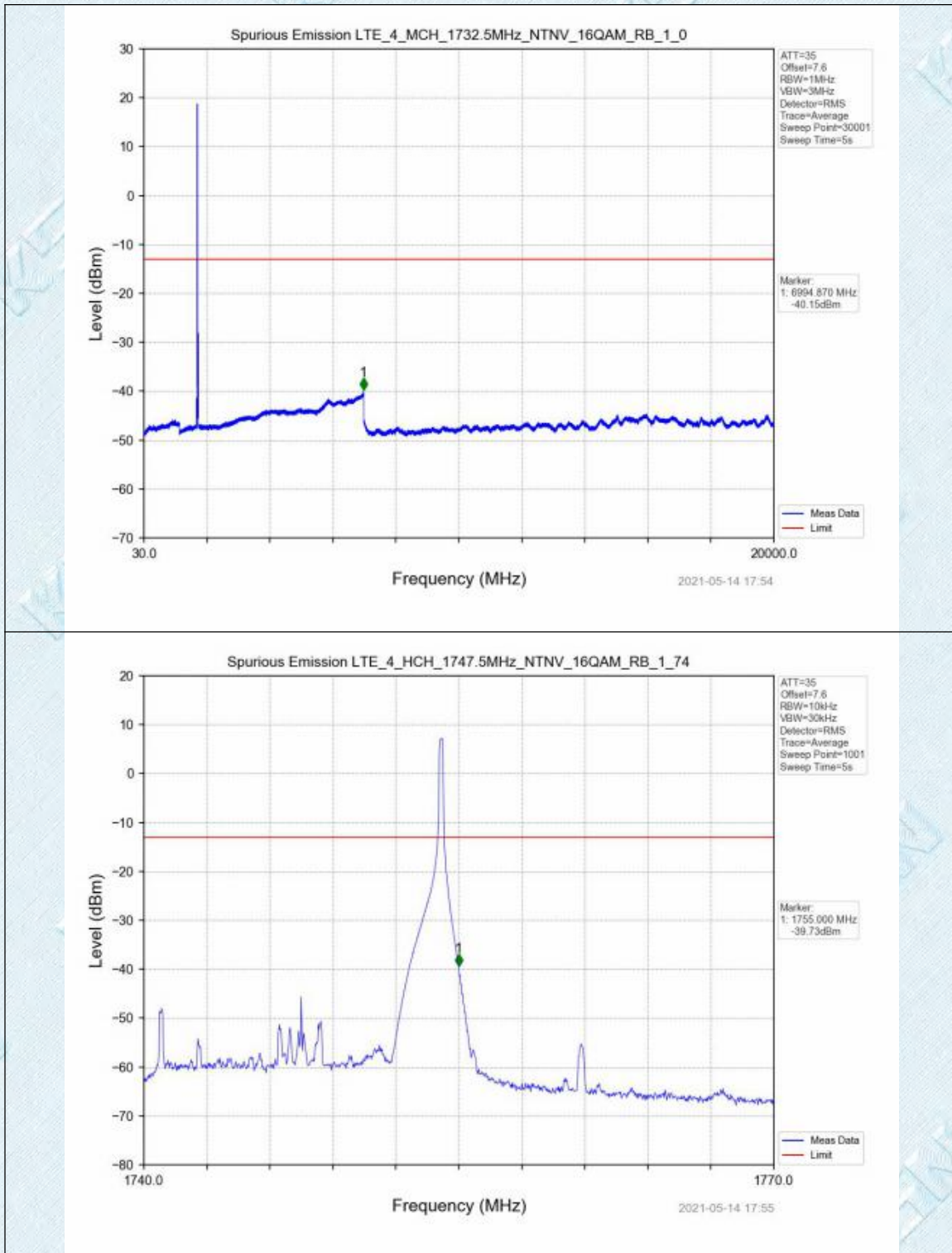


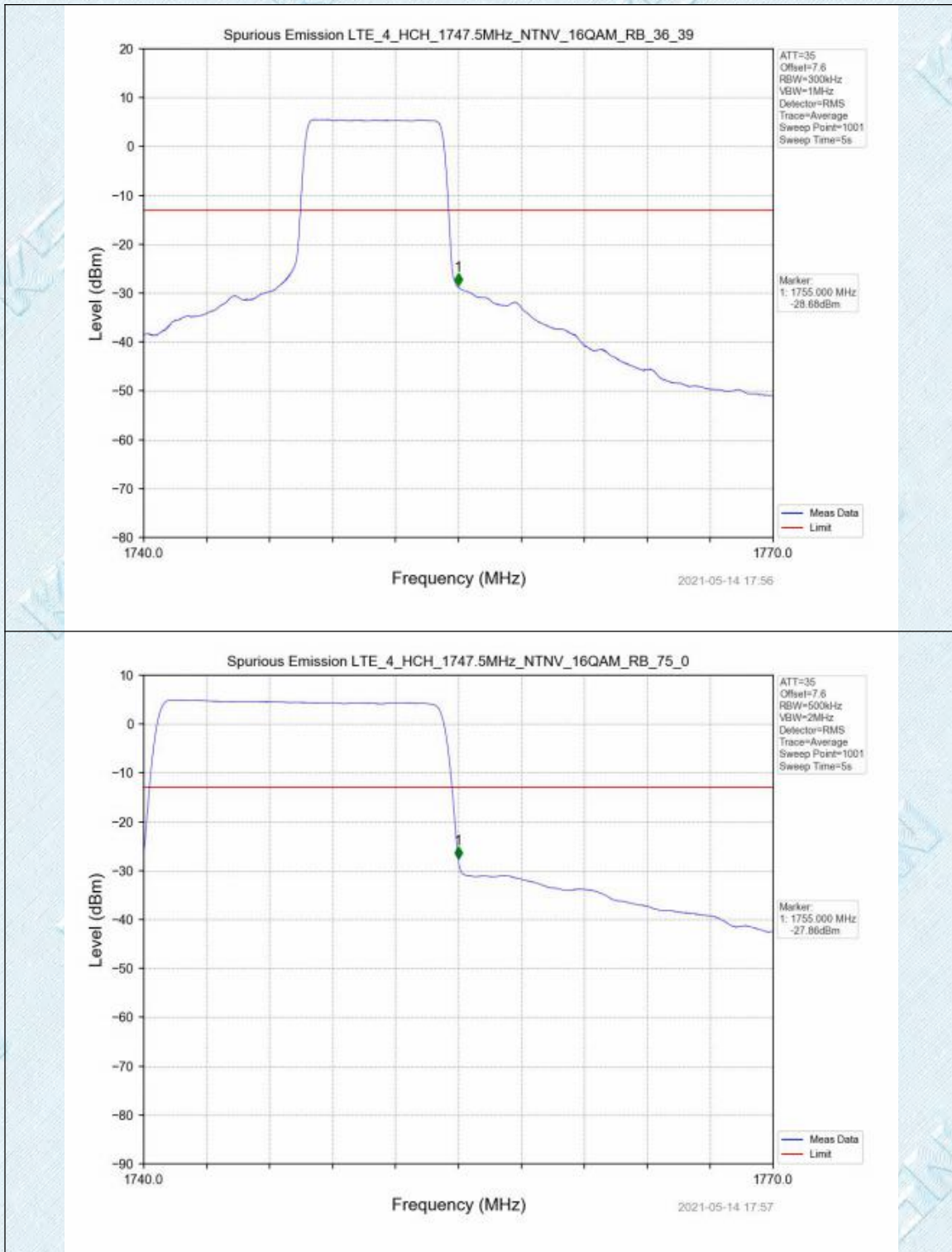
Test Band: 4_15MHz Bandwidth

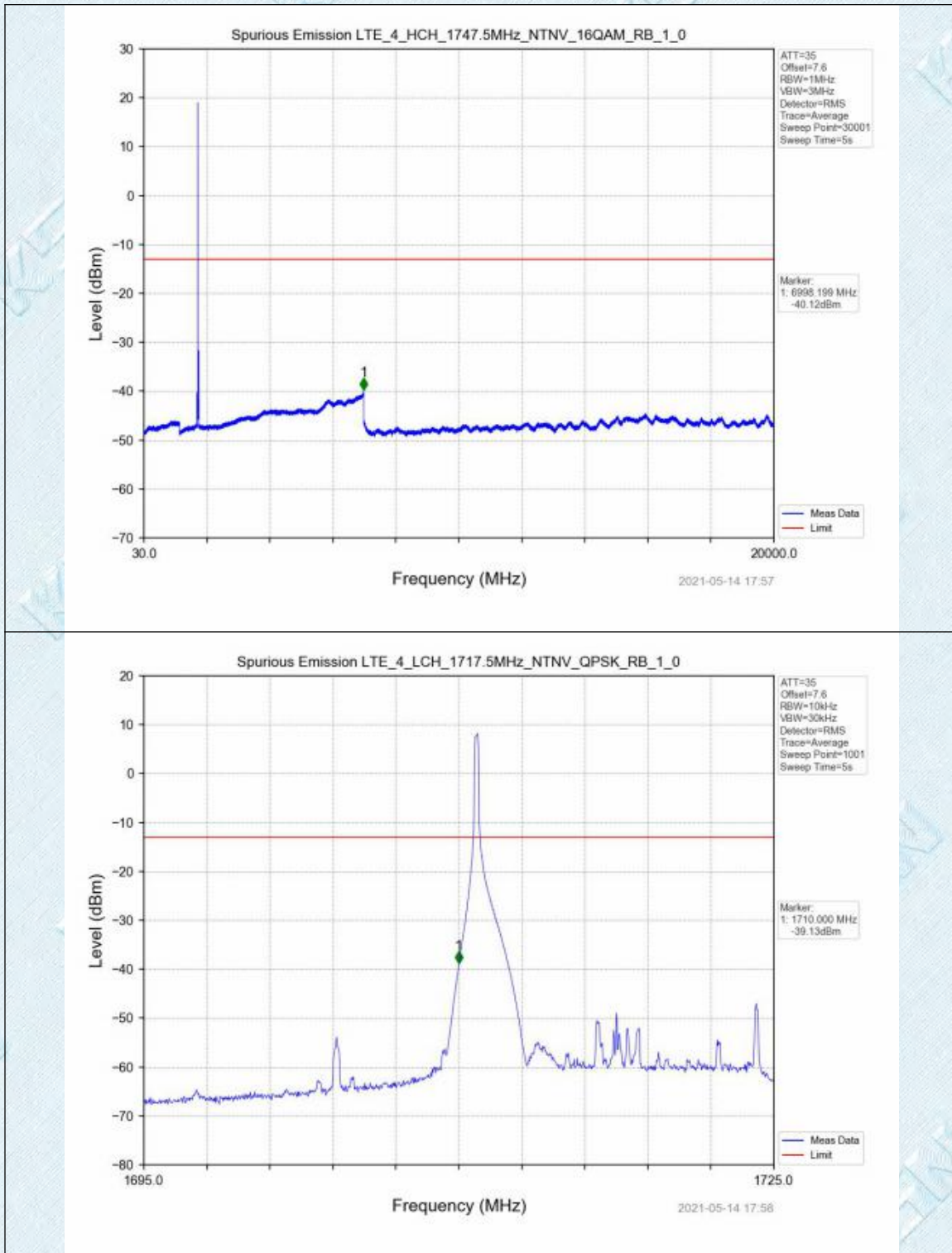
Test Graph

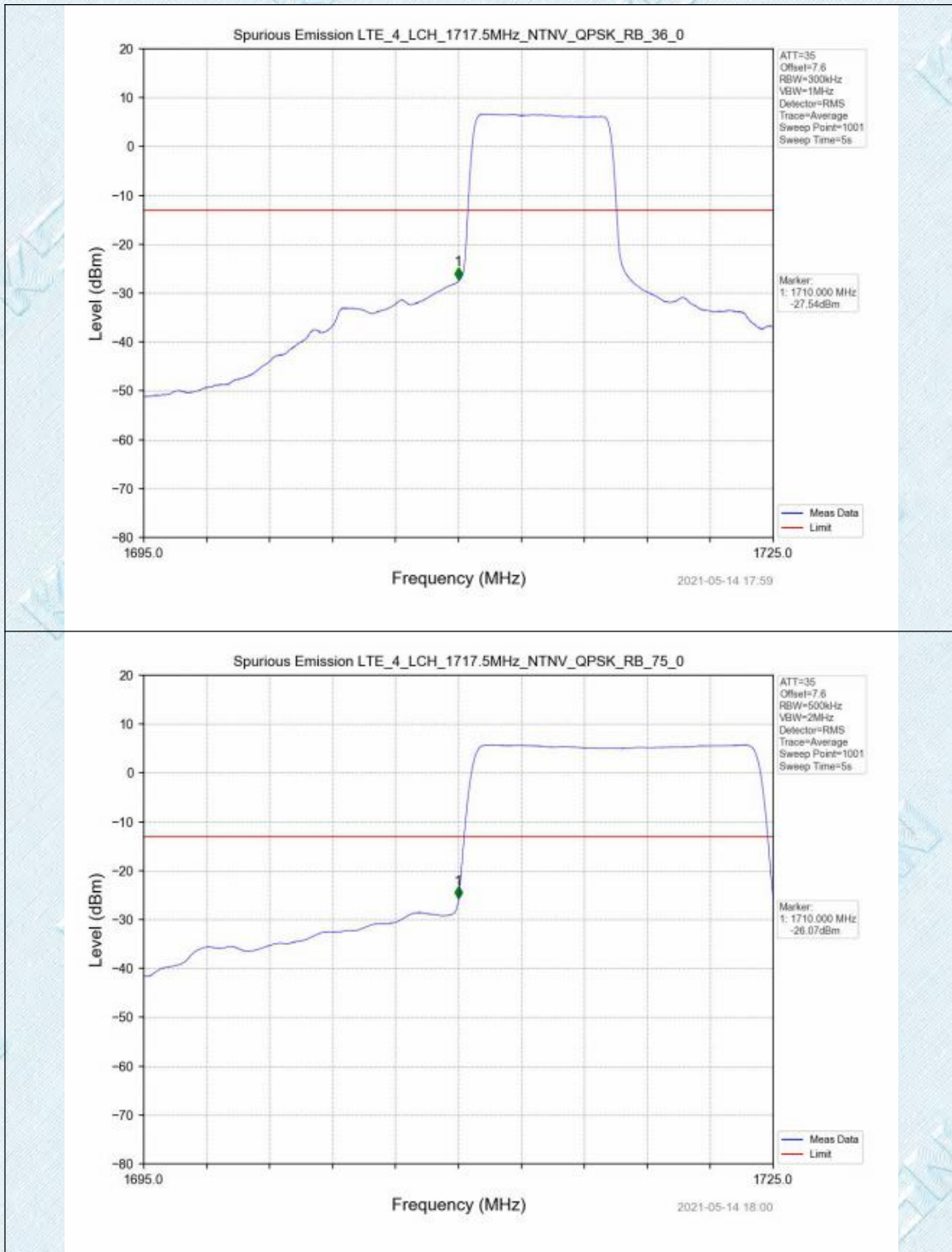


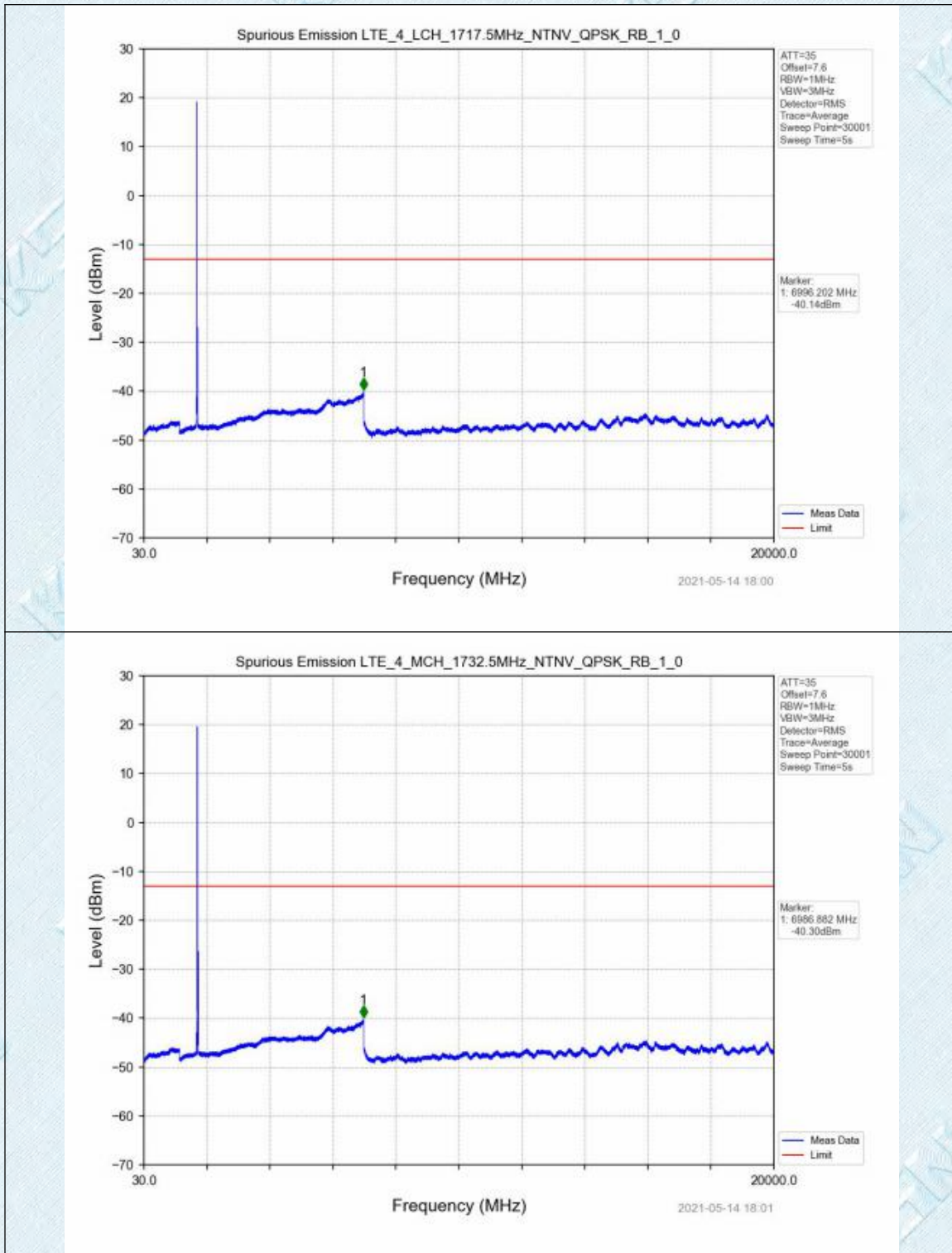


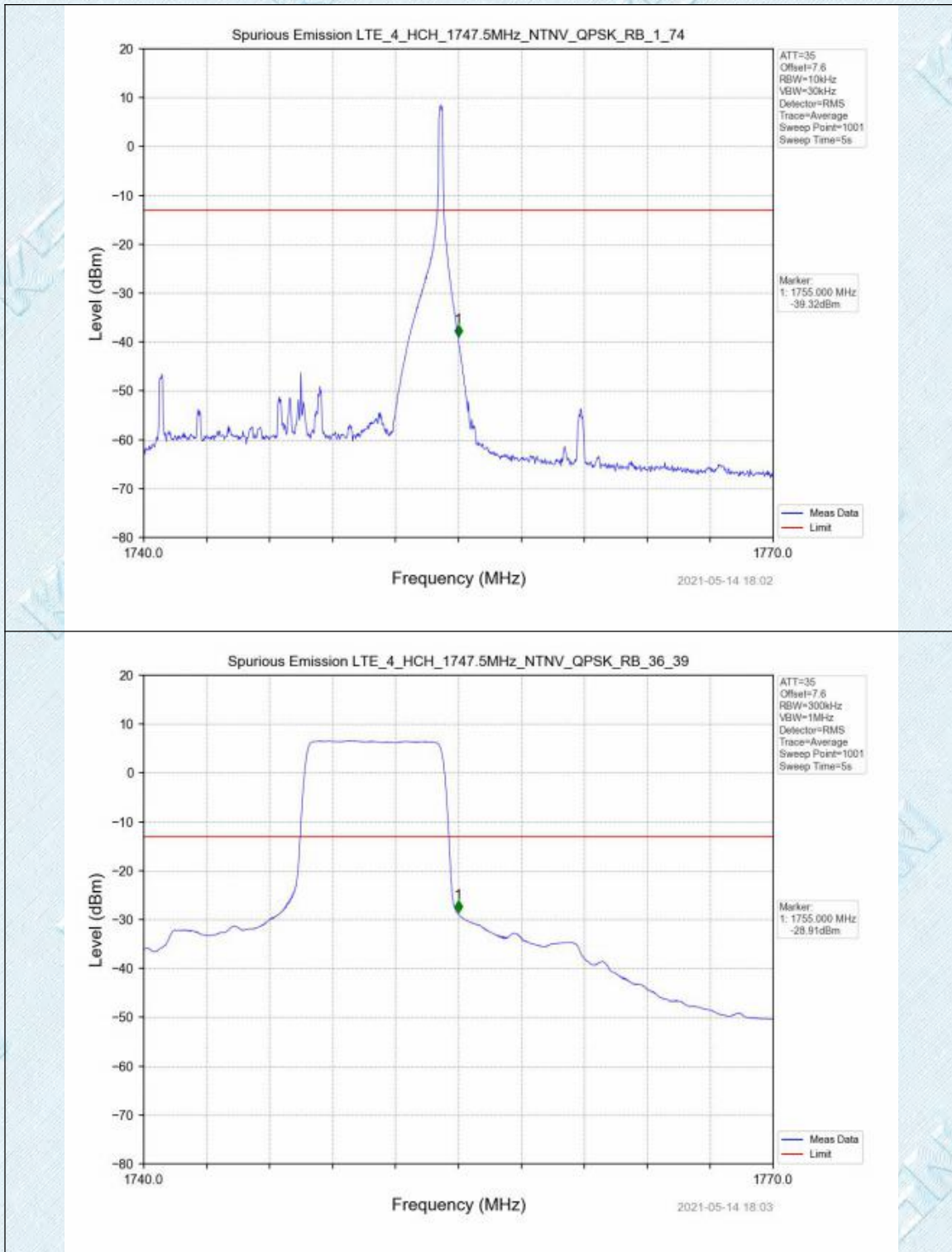


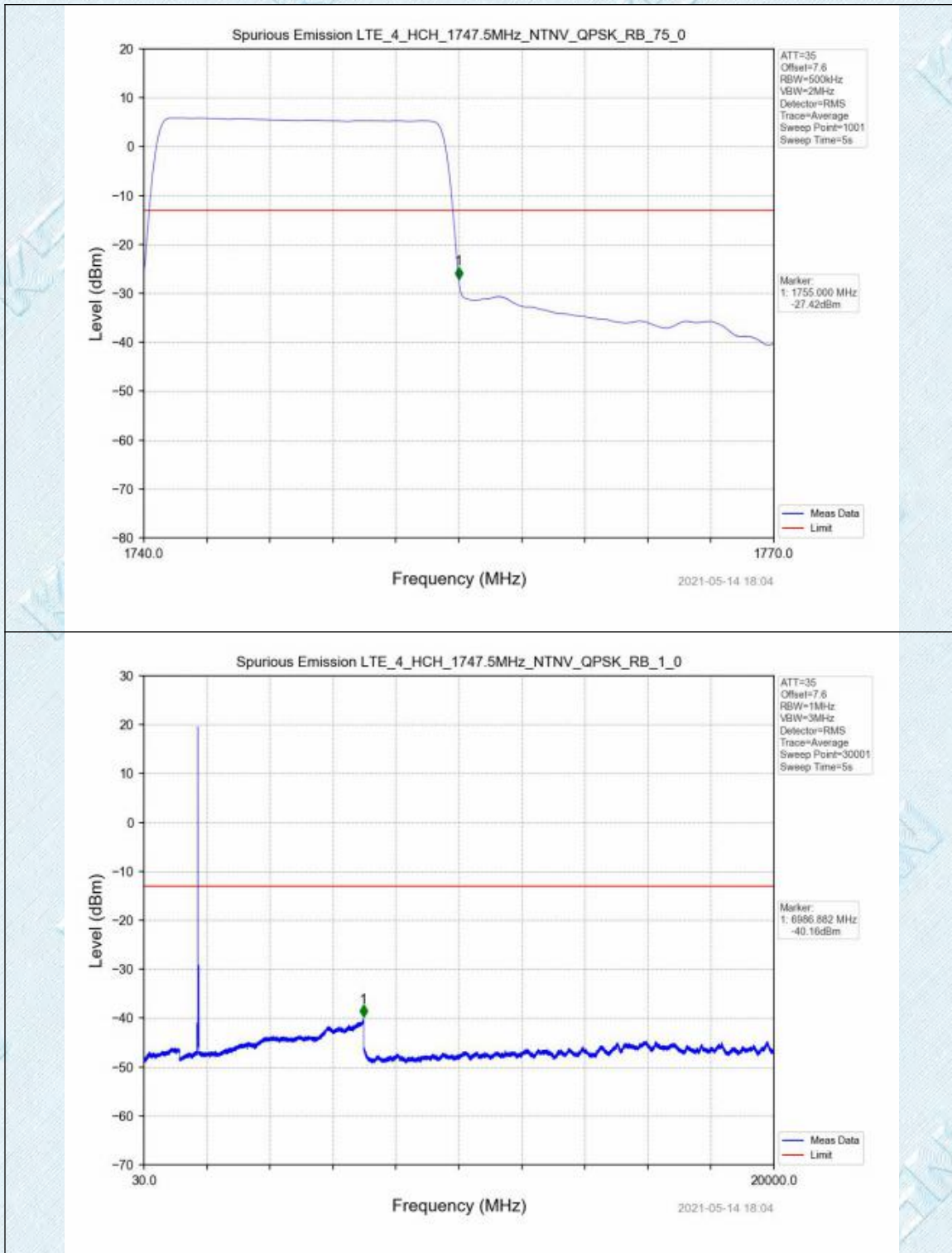






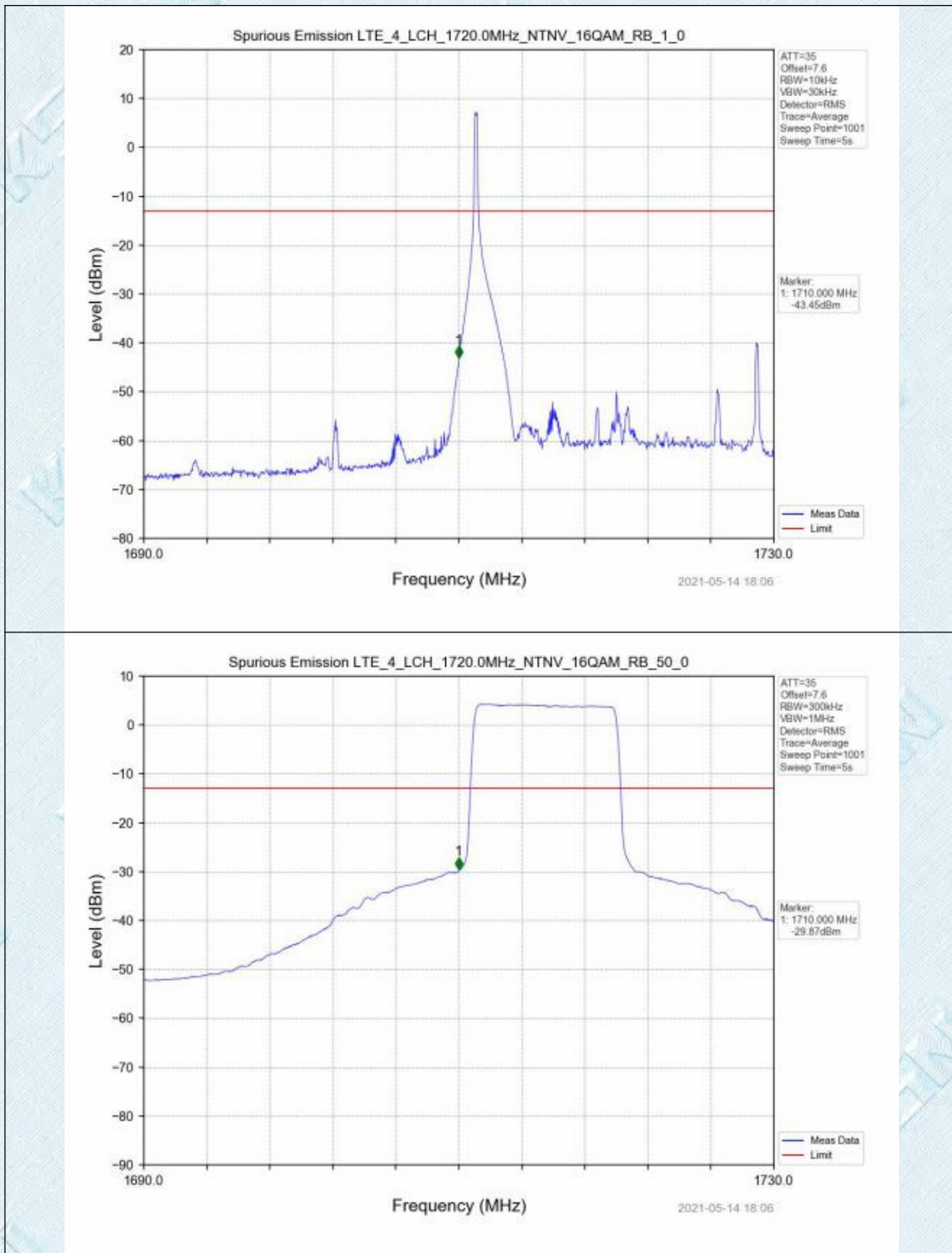


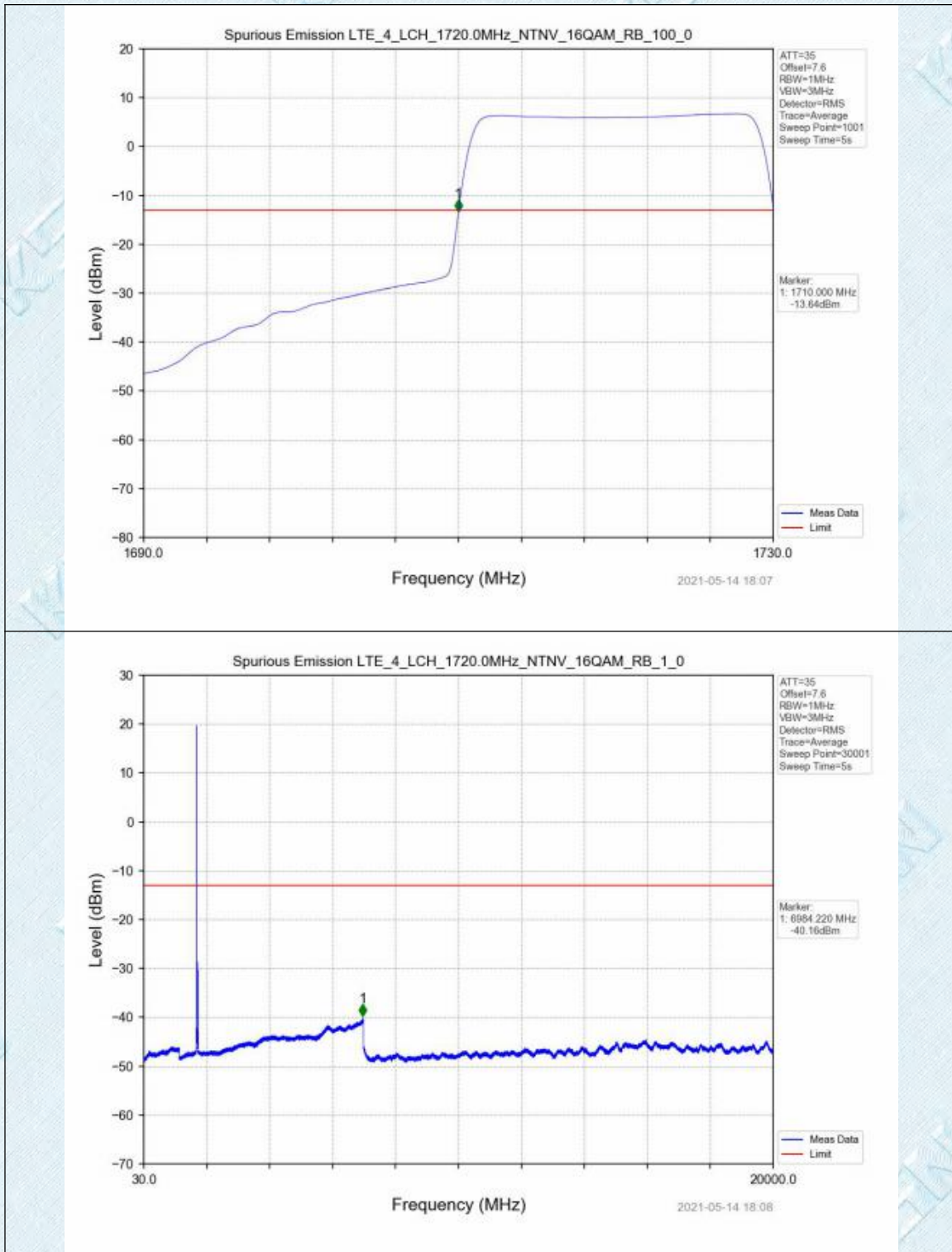


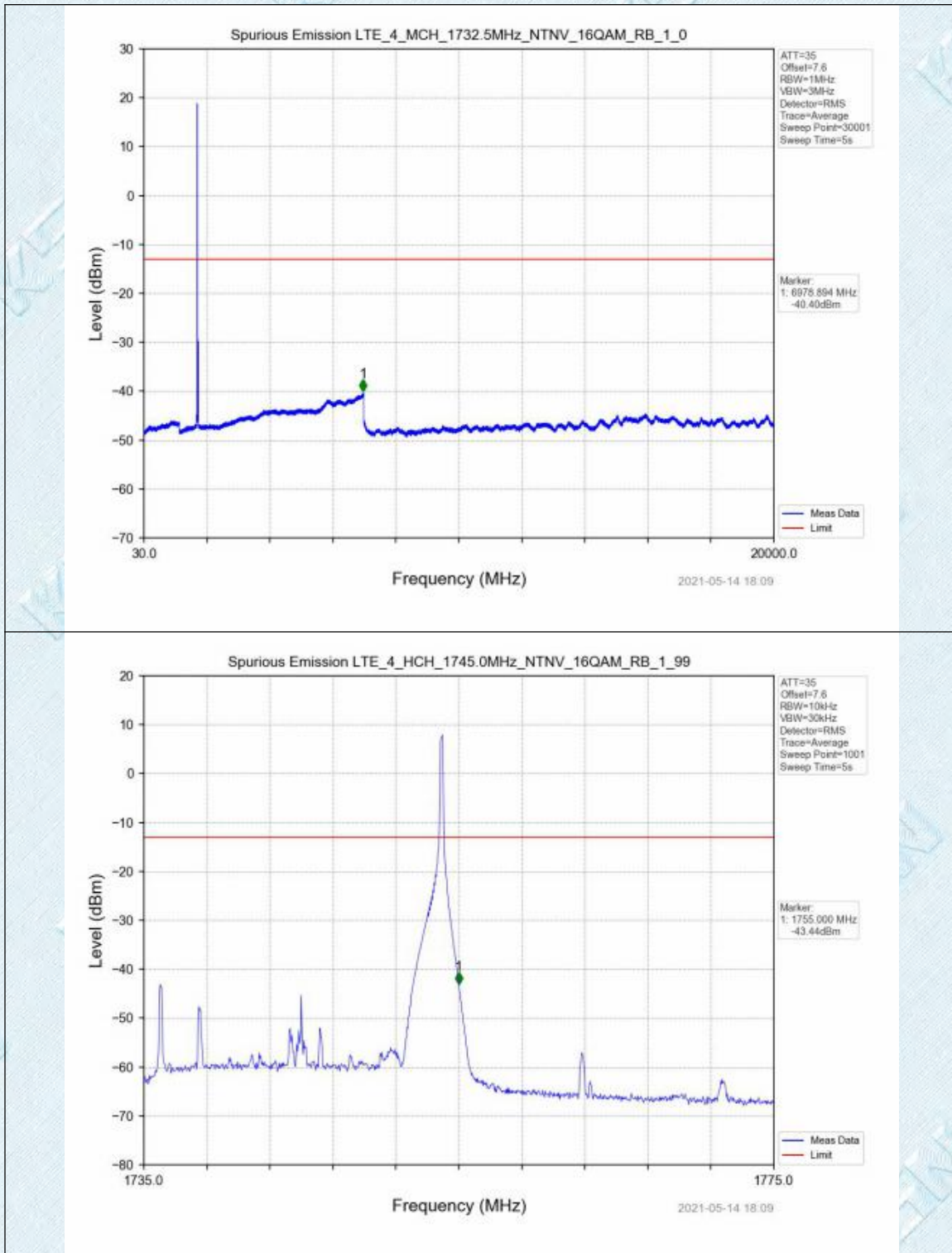


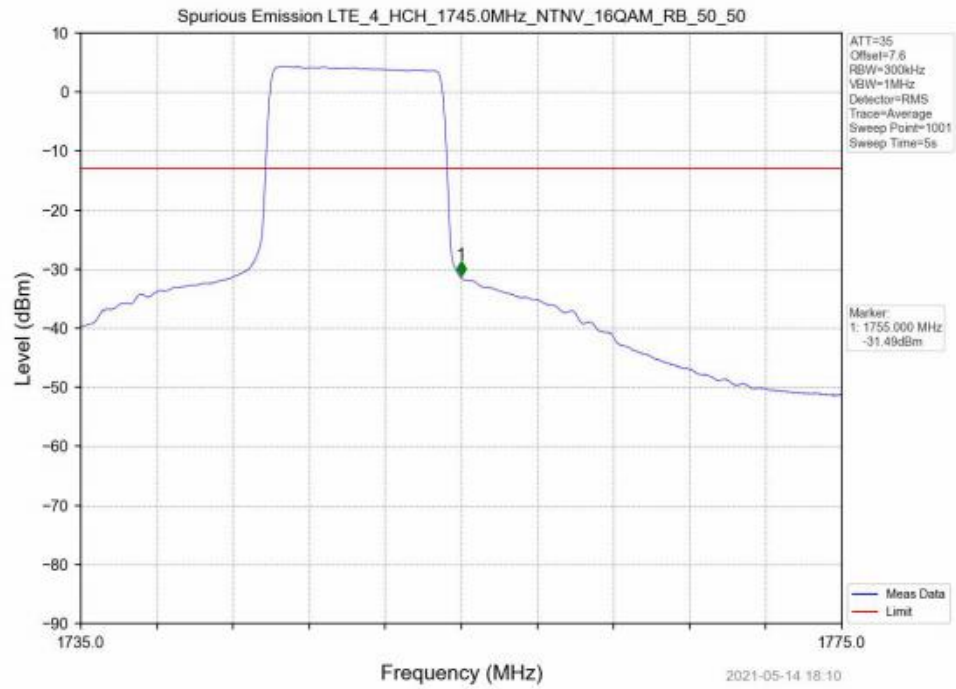
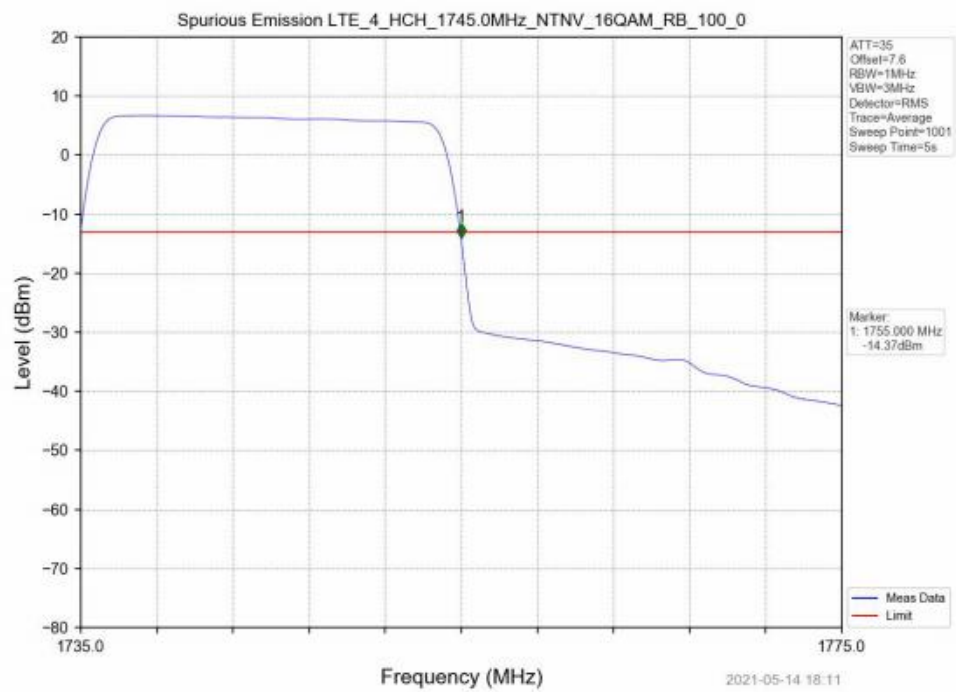
Test Band: 4 _20MHz Bandwidth

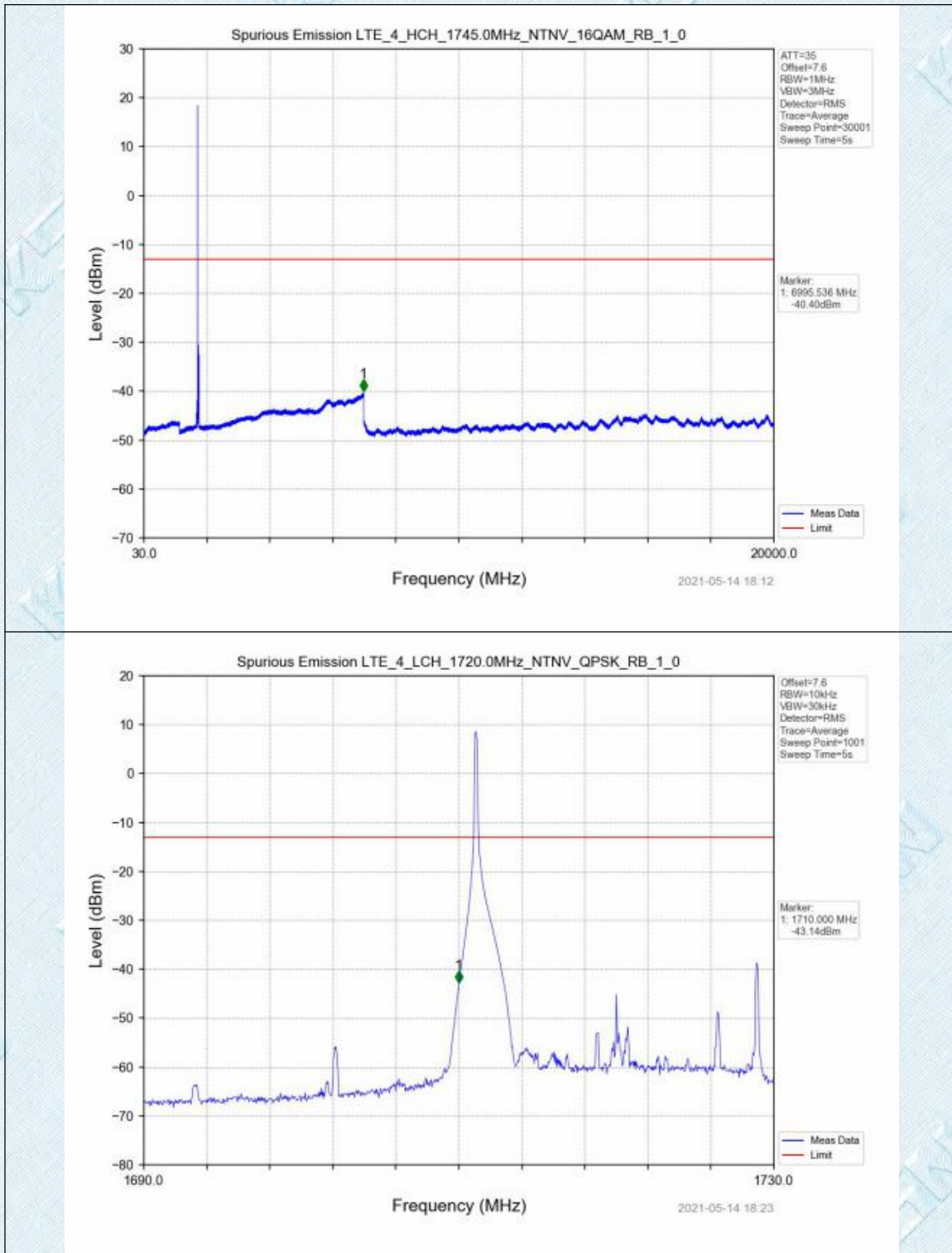
Test Graph

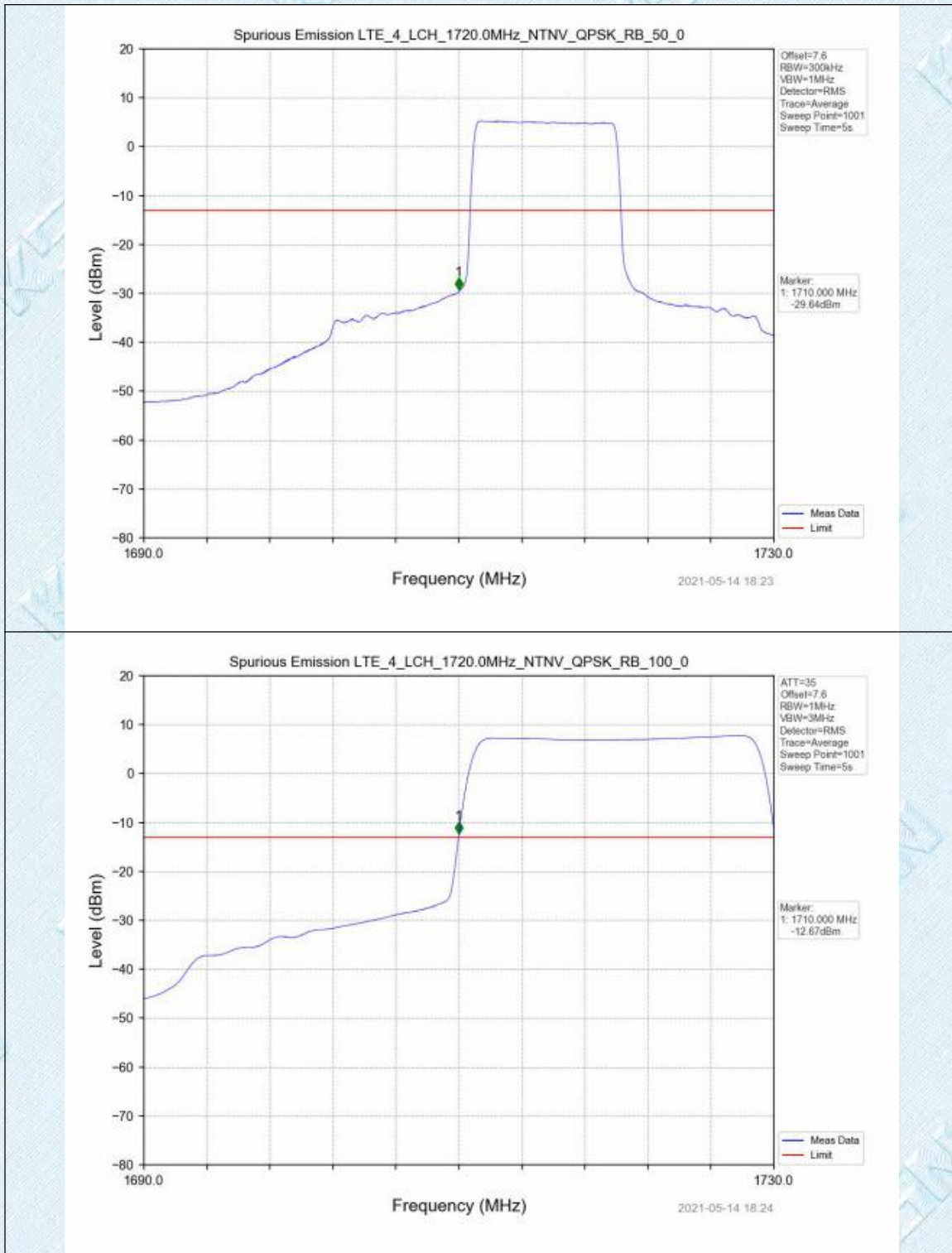


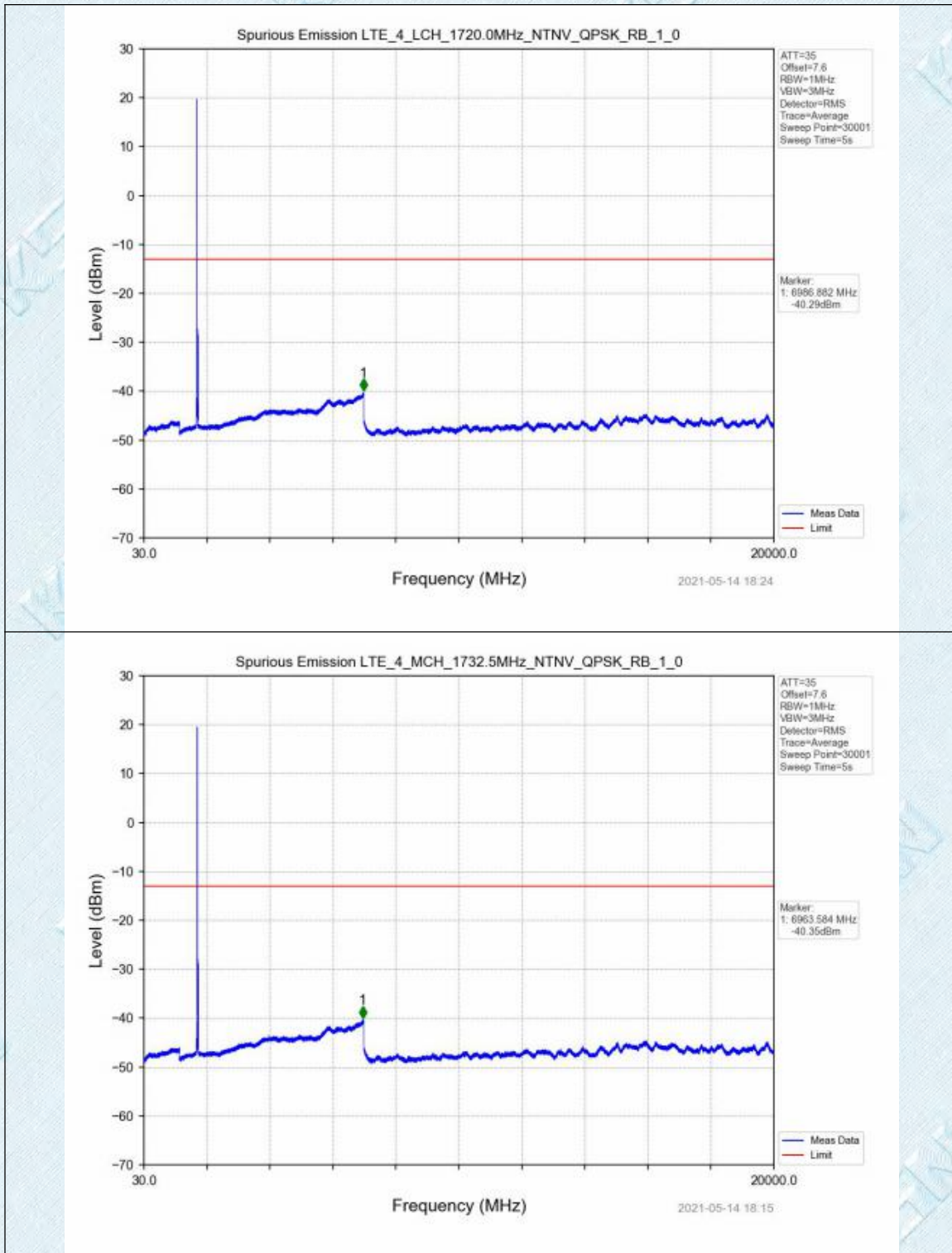


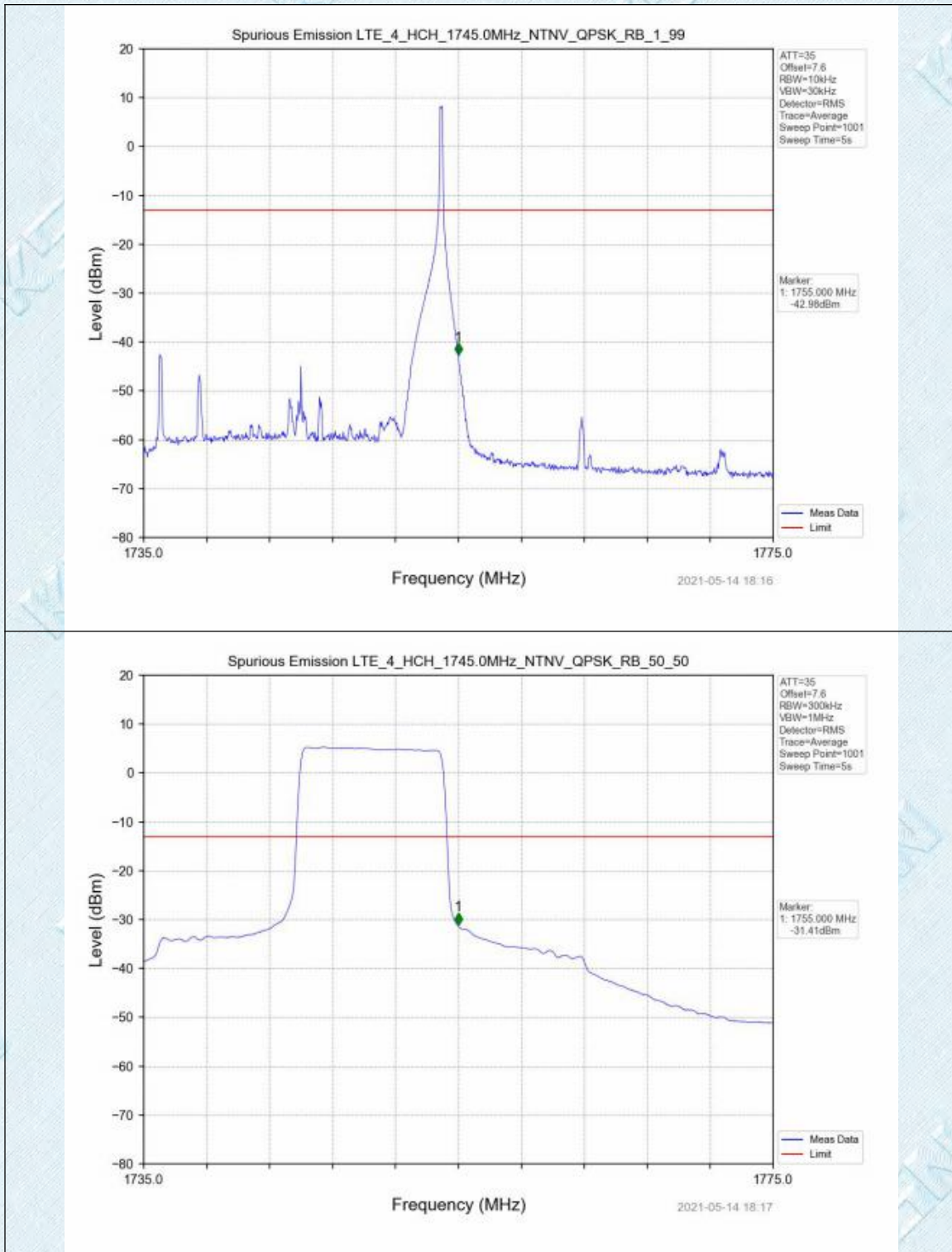


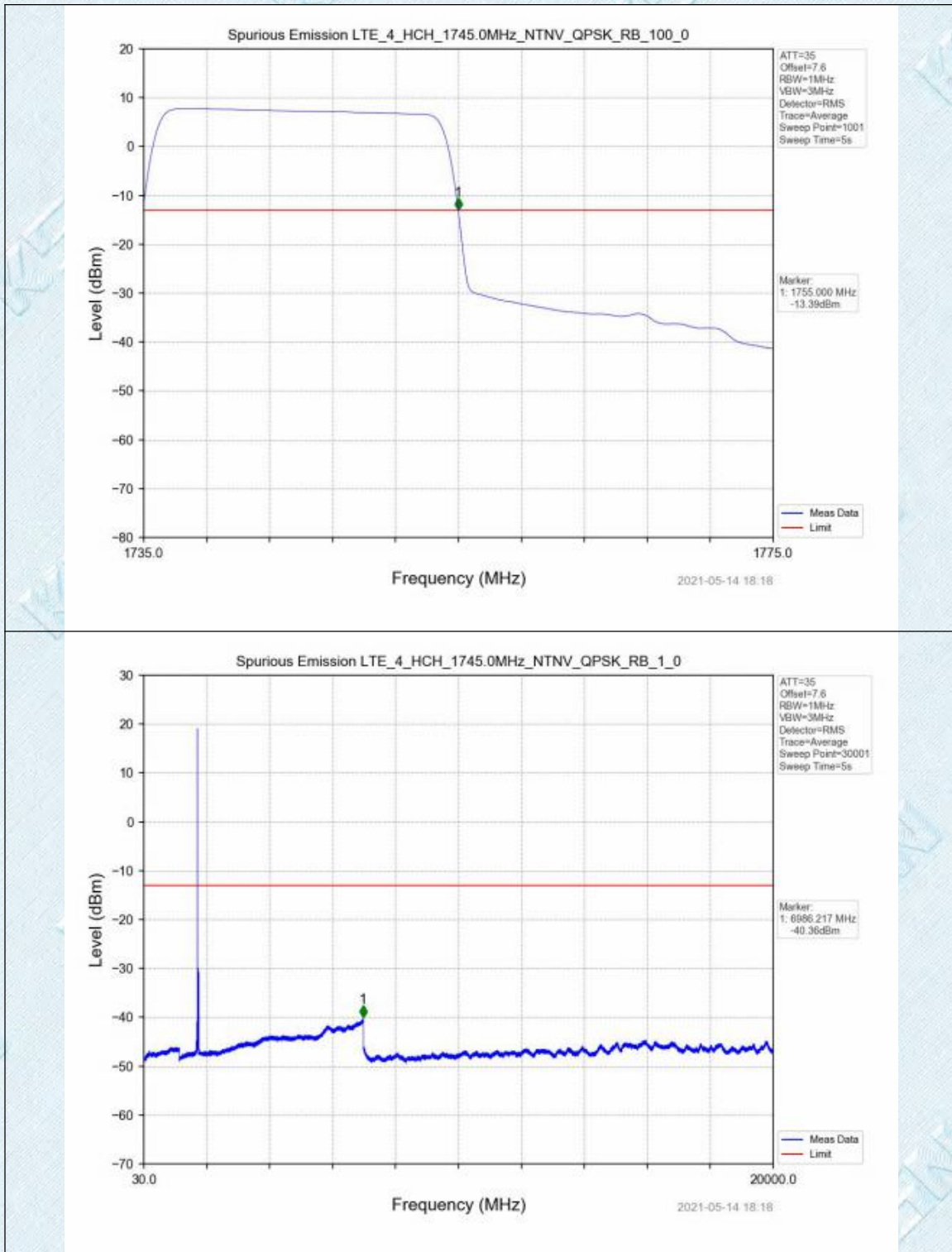












5.Frequency stability

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	-1.7452	-0.6151	-7.0667	-0.0010	-0.0004	-0.0040	2.50	PASS
				NV	-0.3576	-4.6492	-2.9182	-0.0002	-0.0027	-0.0017	2.50	PASS
				HV	-2.4319	-5.6362	2.4748	-0.0014	-0.0033	0.0014	2.50	PASS
16QAM	6	0	NT	LV	0.0429	0.2718	-11.9877	0.0000	0.0002	-0.0068	2.50	PASS
				NV	-8.7261	-2.0170	-4.5919	-0.0051	-0.0012	-0.0026	2.50	PASS
				HV	1.3733	-9.9421	-1.6737	0.0008	-0.0057	-0.0010	2.50	PASS

Test Band: 4 _ 1.4MHz Bandwidth (Frequency Error VS. Temperature)												
	RB Allocation			Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
Test Mode			Test Volt.	-20.00	-9.3126	-4.8494	-2.8896	-0.0054	-0.0028	-0.0016	2.50	PASS
				-10.00	-3.4046	-5.7220	-4.9639	-0.0020	-0.0033	-0.0028	2.50	PASS
				0.00	2.4891	-9.1696	-2.5606	0.0015	-0.0053	-0.0015	2.50	PASS
				10.00	-5.4359	-4.3917	-4.8065	-0.0032	-0.0025	-0.0027	2.50	PASS
				20.00	0.0715	-8.8692	-9.0265	0.0000	-0.0051	-0.0051	2.50	PASS
				30.00	0.0572	-5.2500	-2.7752	0.0000	-0.0030	-0.0016	2.50	PASS
				40.00	-4.3631	-0.6723	-5.9366	-0.0026	-0.0004	-0.0034	2.50	PASS
				50.00	-5.9223	-0.4005	-0.5007	-0.0035	-0.0002	-0.0003	2.50	PASS
				-20.00	-9.3126	-2.7895	-6.9380	-0.0054	-0.0016	-0.0040	2.50	PASS
				-10.00	-1.5593	-7.0524	-7.0810	-0.0009	-0.0041	-0.0040	2.50	PASS
				0.00	-1.8740	-9.4843	-8.4543	-0.0011	-0.0055	-0.0048	2.50	PASS
				10.00	-13.4325	-5.3930	-4.6492	-0.0079	-0.0031	-0.0027	2.50	PASS
				20.00	-9.8562	-7.0667	-1.5879	-0.0058	-0.0041	-0.0009	2.50	PASS
				30.00	-9.4557	-1.6451	-15.3208	-0.0055	-0.0009	-0.0087	2.50	PASS
				40.00	-2.4748	-9.0551	-8.4829	-0.0014	-0.0052	-0.0048	2.50	PASS
				50.00	-4.6635	-5.7936	-5.5933	-0.0027	-0.0033	-0.0032	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	-1.9169	1.9169	0.1574	-0.0011	0.0011	0.0001	2.50	PASS
				NV	-11.3726	0.3576	-9.6846	-0.0066	0.0002	-0.0055	2.50	PASS
				HV	-4.6921	-2.7037	-1.1015	-0.0027	-0.0016	-0.0006	2.50	PASS
16QAM	15	0	NT	LV	-6.6090	0.9871	-5.2357	-0.0039	0.0006	-0.0030	2.50	PASS
				NV	0.8726	-3.0613	-7.5531	0.0005	-0.0018	-0.0043	2.50	PASS
				HV	-1.9884	-5.9223	-3.6335	-0.0012	-0.0034	-0.0021	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		
	Test Mode				-20.00	-6.9666	0.5436	-11.2867	-0.0041	0.0003	-0.0064	2.50
-10.00			-4.9639		-4.4489	-4.4203	-0.0029	-0.0026	-0.0025	2.50	PASS	
0.00			-7.4530		-1.2159	1.7595	-0.0044	-0.0007	0.0010	2.50	PASS	
10.00			-5.5361		-5.1069	-4.7064	-0.0032	-0.0029	-0.0027	2.50	PASS	
20.00			-8.7690		-2.5177	-1.2875	-0.0051	-0.0015	-0.0007	2.50	PASS	
30.00			-3.3331		-5.7936	-6.5088	-0.0019	-0.0033	-0.0037	2.50	PASS	
40.00			0.2289		1.9312	-3.4475	0.0001	0.0011	-0.0020	2.50	PASS	
50.00			-7.4100		-3.5191	-7.8821	-0.0043	-0.0020	-0.0045	2.50	PASS	
-20.00			-2.8181		-0.5007	-0.3290	-0.0016	-0.0003	-0.0002	2.50	PASS	
-10.00			-4.9496		-4.1628	-0.8726	-0.0029	-0.0024	-0.0005	2.50	PASS	
0.00			-9.1267		-4.8208	-5.2500	-0.0053	-0.0028	-0.0030	2.50	PASS	
10.00			0.0429		-1.2445	-7.6675	0.0000	-0.0007	-0.0044	2.50	PASS	
20.00			-6.7663		-3.2187	-6.3515	-0.0040	-0.0019	-0.0036	2.50	PASS	
30.00			-7.1096		-3.8767	-9.7561	-0.0042	-0.0022	-0.0056	2.50	PASS	
40.00			-2.0313		-4.8065	-2.6464	-0.0012	-0.0028	-0.0015	2.50	PASS	
50.00			-1.2016		-1.8311	-5.4789	-0.0007	-0.0011	-0.0031	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	-9.8562	3.1471	-6.4087	-0.0058	0.0018	-0.0037	2.50	PASS
				NV	-5.3501	-4.3774	-8.3113	-0.0031	-0.0025	-0.0047	2.50	PASS
				HV	-1.0157	0.3433	-2.5320	-0.0006	0.0002	-0.0014	2.50	PASS
16QAM	25	0	NT	LV	-2.7466	-5.4646	-8.6689	-0.0016	-0.0032	-0.0049	2.50	PASS
				NV	-6.4802	-2.7752	-1.6880	-0.0038	-0.0016	-0.0010	2.50	PASS
				HV	-6.9380	-7.0095	-7.1526	-0.0041	-0.0040	-0.0041	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		
					-20.00	-4.4489	-1.8168	-5.8651	-0.0026	-0.0010	-0.0033	2.50
			-10.00	-4.2200	-7.1096	1.8740	-0.0025	-0.0041	0.0011	2.50	PASS	
			0.00	-5.4073	-0.3433	-5.4646	-0.0032	-0.0002	-0.0031	2.50	PASS	
			10.00	-4.1342	-9.2268	-7.1526	-0.0024	-0.0053	-0.0041	2.50	PASS	
			20.00	-2.9182	-3.7622	-3.6192	-0.0017	-0.0022	-0.0021	2.50	PASS	
			30.00	-5.2643	-9.7275	-4.3917	-0.0031	-0.0056	-0.0025	2.50	PASS	
			40.00	-4.7636	-2.8324	-1.4448	-0.0028	-0.0016	-0.0008	2.50	PASS	
			50.00	-1.8597	-6.3658	-3.1042	-0.0011	-0.0037	-0.0018	2.50	PASS	
			-20.00	2.2030	-13.6328	-10.8862	0.0013	-0.0079	-0.0062	2.50	PASS	
			-10.00	-3.2759	0.7439	-1.6022	-0.0019	0.0004	-0.0009	2.50	PASS	
			0.00	-2.9612	-2.9325	-2.2459	-0.0017	-0.0017	-0.0013	2.50	PASS	
			10.00	-3.5620	0.1287	-11.8446	-0.0021	0.0001	-0.0068	2.50	PASS	
			20.00	-5.2357	-9.0122	-5.6219	-0.0031	-0.0052	-0.0032	2.50	PASS	
			30.00	-1.6594	-3.9196	-1.9312	-0.0010	-0.0023	-0.0011	2.50	PASS	
			40.00	-8.8835	2.3746	-5.4216	-0.0052	0.0014	-0.0031	2.50	PASS	
			50.00	-6.1655	-2.1458	-2.4176	-0.0036	-0.0012	-0.0014	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	-7.2956	-5.1641	-5.7793	-0.0043	-0.0030	-0.0033	2.50	PASS
				NV	-9.5987	-3.3760	-4.2915	-0.0056	-0.0019	-0.0025	2.50	PASS
				HV	-8.3113	-5.0926	-7.5245	-0.0048	-0.0029	-0.0043	2.50	PASS
16QAM	50	0	NT	LV	-1.9741	-4.9210	-10.0994	-0.0012	-0.0028	-0.0058	2.50	PASS
				NV	-1.8740	-1.2302	-7.2956	-0.0011	-0.0007	-0.0042	2.50	PASS
				HV	-0.2146	-1.5879	-4.8494	-0.0001	-0.0009	-0.0028	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		
				-20.00	-5.0926	-4.0340	-11.2724	-0.0030	-0.0023	-0.0064	2.50	PASS
				-10.00	-7.7534	-1.1587	-2.5320	-0.0045	-0.0007	-0.0014	2.50	PASS
				0.00	-4.7207	-4.5347	-4.8923	-0.0028	-0.0026	-0.0028	2.50	PASS
				10.00	-7.9107	-2.7037	-7.4673	-0.0046	-0.0016	-0.0043	2.50	PASS
				20.00	-5.7364	-2.5892	-9.4843	-0.0033	-0.0015	-0.0054	2.50	PASS
				30.00	-8.5688	-0.5579	-5.2786	-0.0050	-0.0003	-0.0030	2.50	PASS
				40.00	-7.0524	-1.7309	-5.0783	-0.0041	-0.0010	-0.0029	2.50	PASS
				50.00	-4.3631	0.1574	-2.9325	-0.0025	0.0001	-0.0017	2.50	PASS
				-20.00	-2.8038	-3.4189	-12.5027	-0.0016	-0.0020	-0.0071	2.50	PASS
				-10.00	-3.8910	-3.3045	-8.9836	-0.0023	-0.0019	-0.0051	2.50	PASS
				0.00	-5.6648	-5.8794	-7.8106	-0.0033	-0.0034	-0.0045	2.50	PASS
				10.00	-1.4305	-7.5388	-11.1580	-0.0008	-0.0044	-0.0064	2.50	PASS
				20.00	-4.2057	-2.4605	-3.2330	-0.0025	-0.0014	-0.0018	2.50	PASS
				30.00	-3.3617	-3.8767	-2.0742	-0.0020	-0.0022	-0.0012	2.50	PASS
				40.00	-7.9966	-1.8168	-6.3515	-0.0047	-0.0010	-0.0036	2.50	PASS
		50.00	-5.0354	-0.5865	-7.0095	-0.0029	-0.0003	-0.0040	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	-6.1083	-4.8780	-5.2643	-0.0036	-0.0028	-0.0030	2.50	PASS
				NV	-8.6689	-7.7963	-7.3385	-0.0050	-0.0045	-0.0042	2.50	PASS
				HV	-6.9237	-4.5776	-8.4400	-0.0040	-0.0026	-0.0048	2.50	PASS
16QAM	75	0	NT	LV	-2.5034	-4.0770	-4.1914	-0.0015	-0.0024	-0.0024	2.50	PASS
				NV	-6.8092	-2.9898	-6.7806	-0.0040	-0.0017	-0.0039	2.50	PASS
				HV	-6.6662	-5.8937	-7.2384	-0.0039	-0.0034	-0.0041	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		
				-20.00	-6.1512	-5.2929	-7.1239	-0.0036	-0.0031	-0.0041	2.50	PASS
				-10.00	-5.0211	-7.2384	-7.7534	-0.0029	-0.0042	-0.0044	2.50	PASS
				0.00	-4.7779	-5.5933	-6.8378	-0.0028	-0.0032	-0.0039	2.50	PASS
				10.00	-6.2370	-4.6206	-6.4373	-0.0036	-0.0027	-0.0037	2.50	PASS
				20.00	-6.2513	-3.3188	-9.7990	-0.0036	-0.0019	-0.0056	2.50	PASS
				30.00	-5.5218	-7.0381	-9.9278	-0.0032	-0.0041	-0.0057	2.50	PASS
				40.00	-7.4387	-3.6478	-10.7431	-0.0043	-0.0021	-0.0061	2.50	PASS
				50.00	-5.9652	-5.2214	-7.0667	-0.0035	-0.0030	-0.0040	2.50	PASS
				-20.00	-6.8092	0.5293	-6.6662	-0.0040	0.0003	-0.0038	2.50	PASS
				-10.00	-5.0926	-0.8011	-3.8195	-0.0030	-0.0005	-0.0022	2.50	PASS
				0.00	-5.6934	-1.2445	-7.8821	-0.0033	-0.0007	-0.0045	2.50	PASS
				10.00	-6.8665	-2.6321	-11.2724	-0.0040	-0.0015	-0.0065	2.50	PASS
				20.00	-2.9039	3.0756	-5.1641	-0.0017	0.0018	-0.0030	2.50	PASS
				30.00	-4.3058	1.6737	-2.9182	-0.0025	0.0010	-0.0017	2.50	PASS
		40.00	-3.0756	-2.2316	-3.0613	-0.0018	-0.0013	-0.0018	2.50	PASS		
		50.00	-10.3140	-4.1199	-7.1812	-0.0060	-0.0024	-0.0041	2.50	PASS		

Test Band: 4 20MHz 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	100	0	NT	LV	-5.7220	-1.7595	-3.5191	-0.0033	-0.0010	-0.0020	2.50	PASS
				NV	-8.1968	-2.6608	-5.9795	-0.0048	-0.0015	-0.0034	2.50	PASS
				HV	-5.1212	-6.6662	-3.3617	-0.0030	-0.0038	-0.0019	2.50	PASS
16QAM	100	0	NT	LV	-6.6090	-4.1342	1.1444	-0.0038	-0.0024	0.0007	2.50	PASS
				NV	-5.8508	-2.7466	-5.0211	-0.0034	-0.0016	-0.0029	2.50	PASS
				HV	-5.2786	-4.6062	-4.9496	-0.0031	-0.0027	-0.0028	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		
				-20.00	-7.2813	-2.8610	-2.2745	-0.0042	-0.0017	-0.0013	2.50	PASS
				-10.00	-3.1614	-5.7793	-2.1458	-0.0018	-0.0033	-0.0012	2.50	PASS
				0.00	-6.9666	-3.0899	-3.0184	-0.0041	-0.0018	-0.0017	2.50	PASS
				10.00	-9.0122	-2.0885	-4.5919	-0.0052	-0.0012	-0.0026	2.50	PASS
				20.00	-7.0238	-4.3917	0.4435	-0.0041	-0.0025	0.0003	2.50	PASS
				30.00	-7.9393	-3.0899	-5.3215	-0.0046	-0.0018	-0.0030	2.50	PASS
				40.00	-6.1369	-3.2187	1.7166	-0.0036	-0.0019	0.0010	2.50	PASS
				50.00	-7.7534	-3.7050	-5.2929	-0.0045	-0.0021	-0.0030	2.50	PASS
				-20.00	-4.7064	-3.9053	-0.8440	-0.0027	-0.0023	-0.0005	2.50	PASS
				-10.00	-2.4748	-5.6648	-4.7207	-0.0014	-0.0033	-0.0027	2.50	PASS
				0.00	-2.8610	-6.7091	-2.8467	-0.0017	-0.0039	-0.0016	2.50	PASS
				10.00	-3.3617	-5.5504	1.8024	-0.0020	-0.0032	0.0010	2.50	PASS
				20.00	-3.7766	-1.7881	0.6151	-0.0022	-0.0010	0.0004	2.50	PASS
				30.00	-2.8181	-6.0511	-4.2486	-0.0016	-0.0035	-0.0024	2.50	PASS
		40.00	-4.8351	-6.6662	-5.1785	-0.0028	-0.0038	-0.0030	2.50	PASS		
		50.00	-6.1941	-5.3358	-0.6008	-0.0036	-0.0031	-0.0003	2.50	PASS		