

1.1 Test Result

Test Band: 13 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.25	22.29	22.27	2.85	5.00	25.1	25.14	25.12	34.77	PASS
		13	22.26	22.22	22.24	2.85	5.00	25.11	25.07	25.09	34.77	PASS
		24	22.13	22.13	22.17	2.85	5.00	24.98	24.98	25.02	34.77	PASS
	12	0	21.30	21.35	21.28	2.85	5.00	24.15	24.2	24.13	34.77	PASS
		6	21.28	21.18	21.29	2.85	5.00	24.13	24.03	24.14	34.77	PASS
		13	21.26	21.34	21.32	2.85	5.00	24.11	24.19	24.17	34.77	PASS
	25	0	21.26	21.27	21.33	2.85	5.00	24.11	24.12	24.18	34.77	PASS
	21.48		21.43	21.06	2.85	5.00	24.33	24.28	23.91	34.77	PASS	
16QAM	1	13	21.41	21.38	21.09	2.85	5.00	24.26	24.23	23.94	34.77	PASS
		24	21.33	21.36	20.99	2.85	5.00	24.18	24.21	23.84	34.77	PASS
		12	0	20.35	20.52	20.31	2.85	5.00	23.2	23.37	23.16	34.77
	6		20.36	20.44	20.34	2.85	5.00	23.21	23.29	23.19	34.77	PASS
	13		20.34	20.44	20.35	2.85	5.00	23.19	23.29	23.2	34.77	PASS
	25	0	20.34	20.29	20.31	2.85	5.00	23.19	23.14	23.16	34.77	PASS
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)											

Test Band: 13 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	/	22.00	/	2.85	5.00	/	24.85	/	34.77	PASS
		25	/	21.98	/	2.85	5.00	/	24.83	/	34.77	PASS
		49	/	21.57	/	2.85	5.00	/	24.42	/	34.77	PASS
	25	0	/	21.30	/	2.85	5.00	/	24.15	/	34.77	PASS
		13	/	21.28	/	2.85	5.00	/	24.13	/	34.77	PASS
		25	/	21.15	/	2.85	5.00	/	24	/	34.77	PASS
	50	0	/	21.25	/	2.85	5.00	/	24.1	/	34.77	PASS
/	21.55		/	2.85	5.00	/	24.4	/	34.77	PASS		
16QAM	1	25	/	21.52	/	2.85	5.00	/	24.37	/	34.77	PASS
		49	/	21.08	/	2.85	5.00	/	23.93	/	34.77	PASS
		0	/	20.42	/	2.85	5.00	/	23.27	/	34.77	PASS
	25	13	/	20.46	/	2.85	5.00	/	23.31	/	34.77	PASS
		25	/	20.35	/	2.85	5.00	/	23.2	/	34.77	PASS
		0	/	20.30	/	2.85	5.00	/	23.15	/	34.77	PASS
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)											

2. Frequency stability

2.1 Test Result

Test Band: 13_ 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	0.0000	1.0000	1.0000	0.0009	0.0023	0.0013	2.50	PASS
				NV	1.0000	1.0000	1.0000	0.0014	0.0020	0.0020	2.50	PASS
				HV	1.0000	1.0000	1.0000	0.0013	0.0021	0.0019	2.50	PASS
16QAM	25	0	NT	LV	2.0000	1.0000	1.0000	0.0032	0.0018	0.0022	2.50	PASS
				NV	1.0000	0.0000	1.0000	0.0019	0.0009	0.0025	2.50	PASS
				HV	1.0000	1.0000	1.0000	0.0017	0.0020	0.0017	2.50	PASS

Test Band: 13 _ 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	1.0000	1.0000	1.0000	0.0015	0.0025	0.0022	2.50	PASS
				-20.00	0.0000	2.0000	1.0000	0.0010	0.0029	0.0018	2.50	PASS
				-10.00	1.0000	0.0000	1.0000	0.0017	0.0012	0.0023	2.50	PASS
				0.00	0.0000	2.0000	0.0000	0.0004	0.0037	0.0006	2.50	PASS
				10.00	1.0000	2.0000	1.0000	0.0024	0.0037	0.0020	2.50	PASS
				20.00	1.0000	1.0000	0.0000	0.0022	0.0022	0.0011	2.50	PASS
				30.00	0.0000	1.0000	1.0000	0.0010	0.0018	0.0021	2.50	PASS
				40.00	2.0000	2.0000	0.0000	0.0026	0.0031	0.0006	2.50	PASS
				50.00	1.0000	1.0000	1.0000	0.0020	0.0023	0.0020	2.50	PASS
16QAM	25	0	NV	-30.00	1.0000	0.0000	1.0000	0.0019	0.0011	0.0013	2.50	PASS
				-20.00	2.0000	0.0000	1.0000	0.0028	0.0006	0.0014	2.50	PASS
				-10.00	0.0000	2.0000	2.0000	0.0010	0.0032	0.0026	2.50	PASS
				0.00	0.0000	1.0000	0.0000	0.0010	0.0013	0.0006	2.50	PASS
				10.00	2.0000	2.0000	2.0000	0.0033	0.0028	0.0027	2.50	PASS
				20.00	0.0000	1.0000	1.0000	0.0013	0.0021	0.0018	2.50	PASS
				30.00	1.0000	1.0000	2.0000	0.0021	0.0013	0.0028	2.50	PASS
				40.00	2.0000	0.0000	1.0000	0.0038	0.0012	0.0017	2.50	PASS
				50.00	1.0000	2.0000	2.0000	0.0019	0.0028	0.0028	2.50	PASS

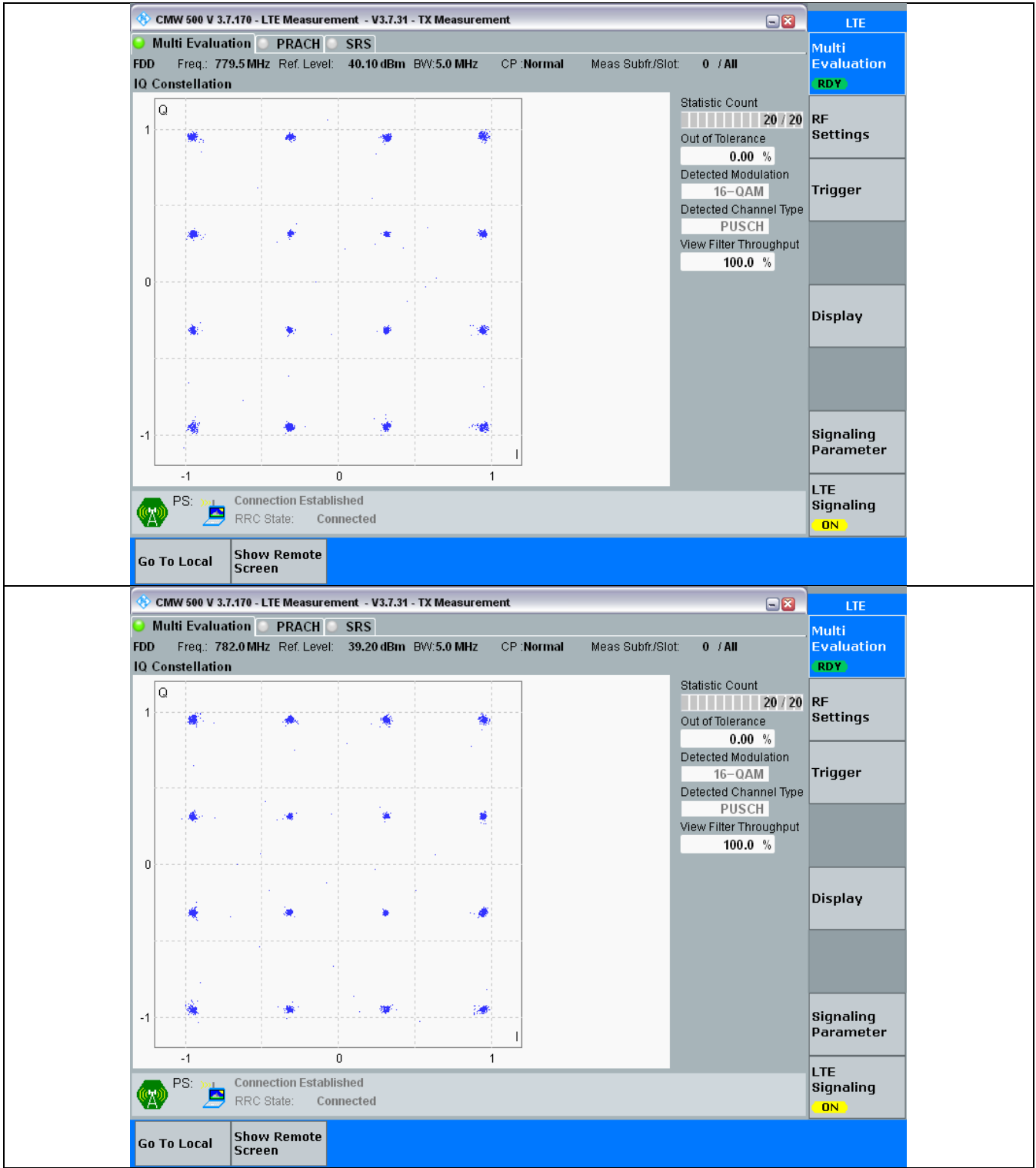
Test Band: 13_ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	/	0.0000	/	/	0.0008	/	2.50	PASS
				NV	/	1.0000	/	/	0.0015	/	2.50	PASS
				HV	/	0.0000	/	/	0.0009	/	2.50	PASS
16QAM	50	0	NT	LV	/	2.0000	/	/	0.0036	/	2.50	PASS
				NV	/	2.0000	/	/	0.0028	/	2.50	PASS
				HV	/	1.0000	/	/	0.0019	/	2.50	PASS

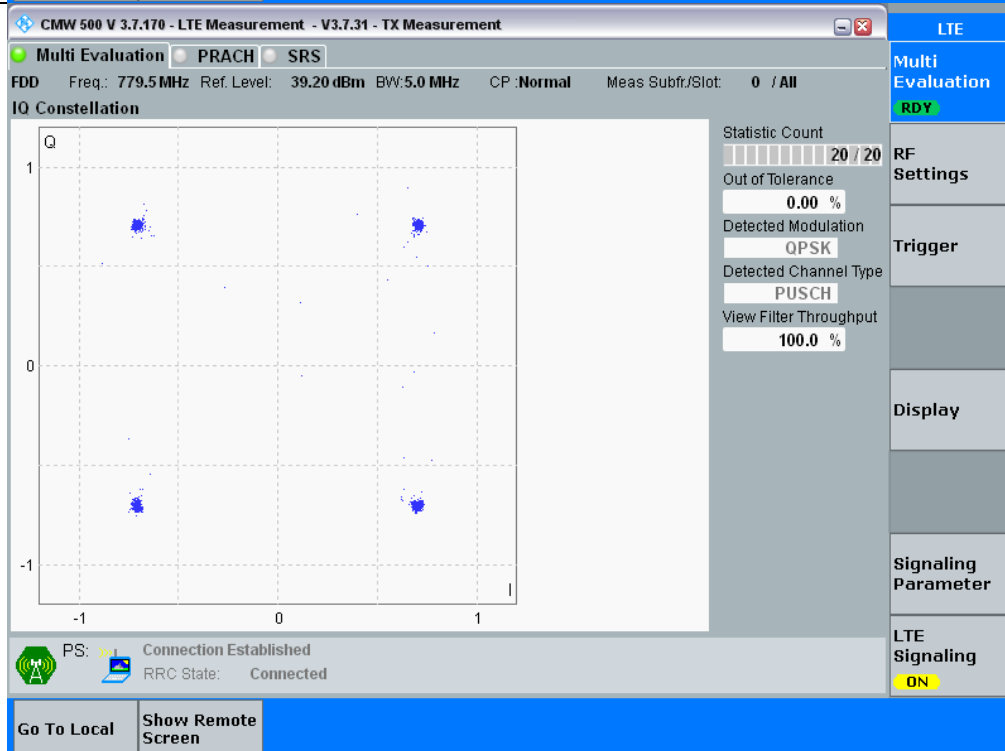
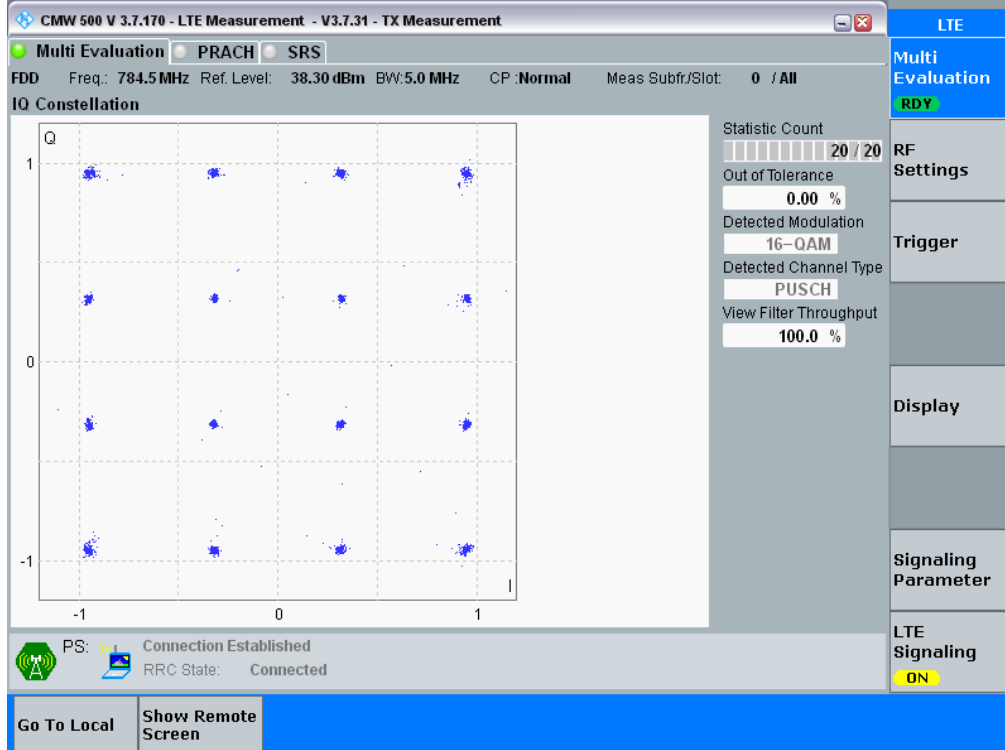
Test Band: 13_ 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	/	1.0000	/	/	0.0014	/	2.50	PASS
				-20.00	/	0.0000	/	/	0.0008	/	2.50	PASS
				-10.00	/	1.0000	/	/	0.0017	/	2.50	PASS
				0.00	/	0.0000	/	/	-0.0001	/	2.50	PASS
				10.00	/	0.0000	/	/	0.0006	/	2.50	PASS

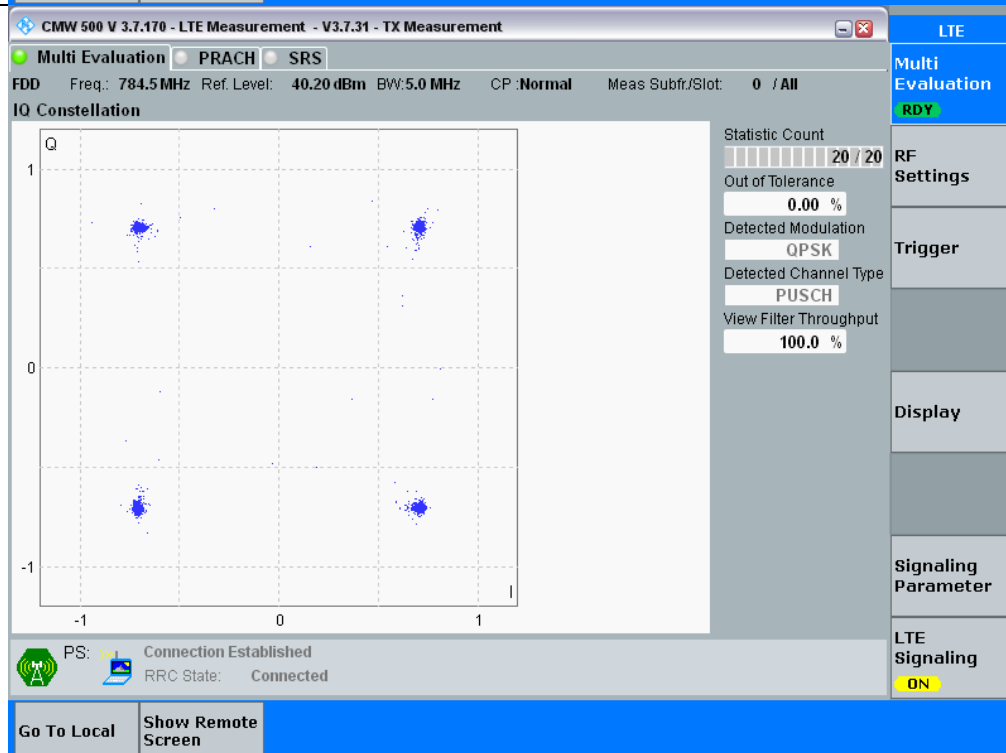
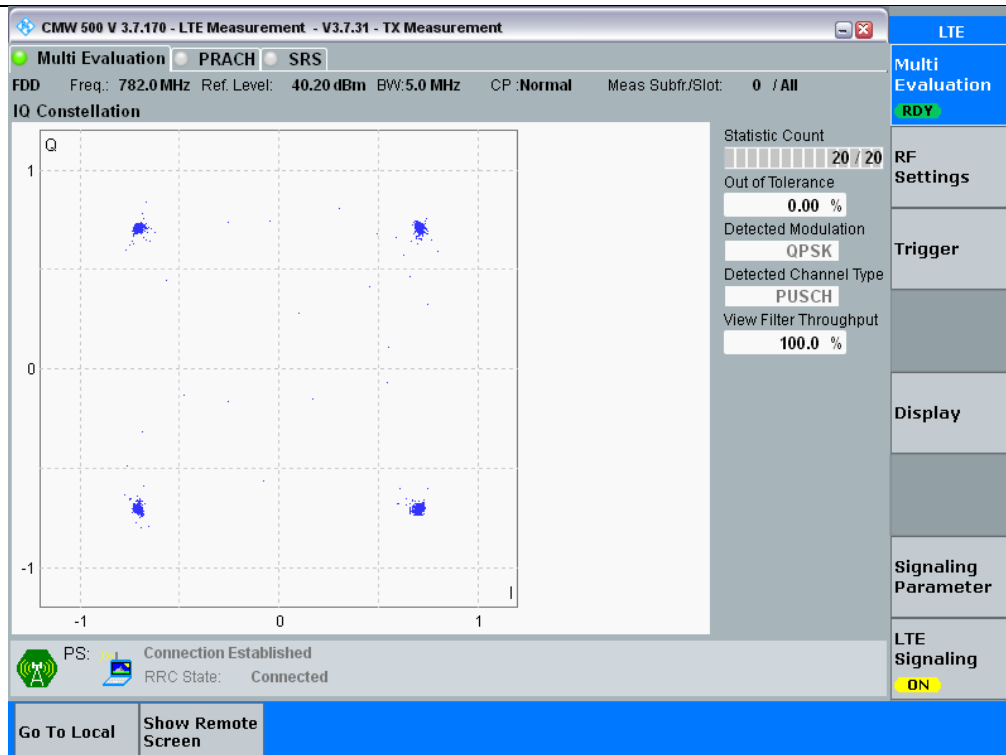
				20.00	/	0.0000	/	/	-0.0001	/	2.50	PASS
				30.00	/	0.0000	/	/	0.0001	/	2.50	PASS
				40.00	/	0.0000	/	/	0.0012	/	2.50	PASS
				50.00	/	1.0000	/	/	0.0013	/	2.50	PASS
16QAM	50	0	NV	-30.00	/	1.0000	/	/	0.0024	/	2.50	PASS
				-20.00	/	2.0000	/	/	0.0026	/	2.50	PASS
				-10.00	/	2.0000	/	/	0.0036	/	2.50	PASS
				0.00	/	2.0000	/	/	0.0031	/	2.50	PASS
				10.00	/	1.0000	/	/	0.0024	/	2.50	PASS
				20.00	/	1.0000	/	/	0.0023	/	2.50	PASS
				30.00	/	1.0000	/	/	0.0019	/	2.50	PASS
				40.00	/	0.0000	/	/	0.0001	/	2.50	PASS
				50.00	/	0.0000	/	/	-0.0007	/	2.50	PASS

3. Modulation Characteristics

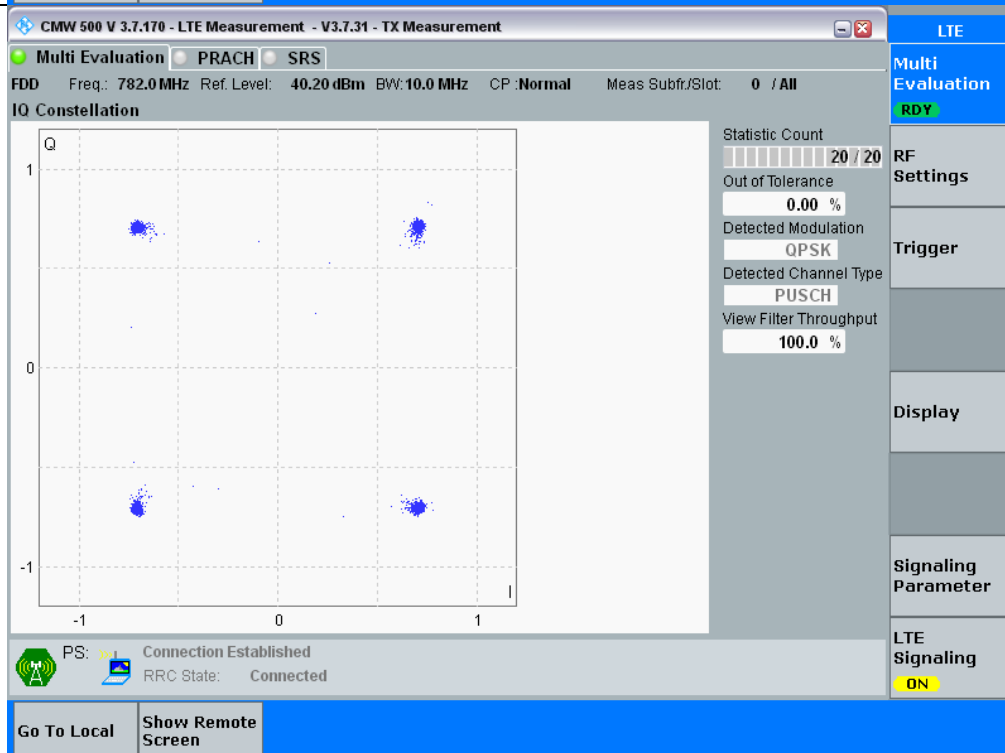
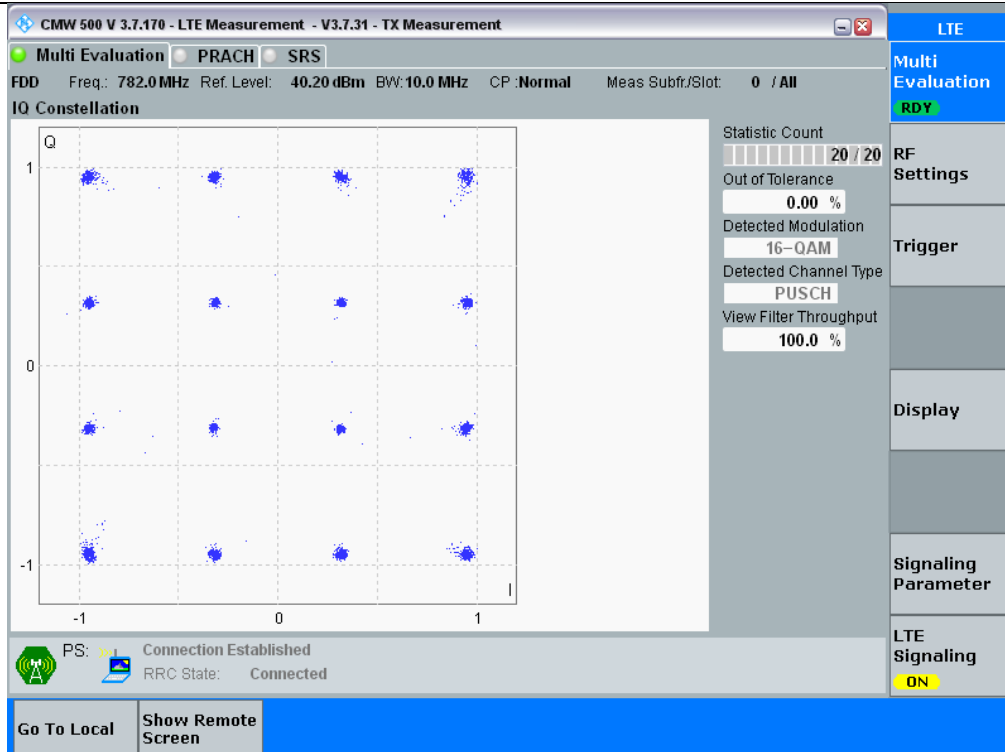
3.1 Test Graph







3.1 Test Graph

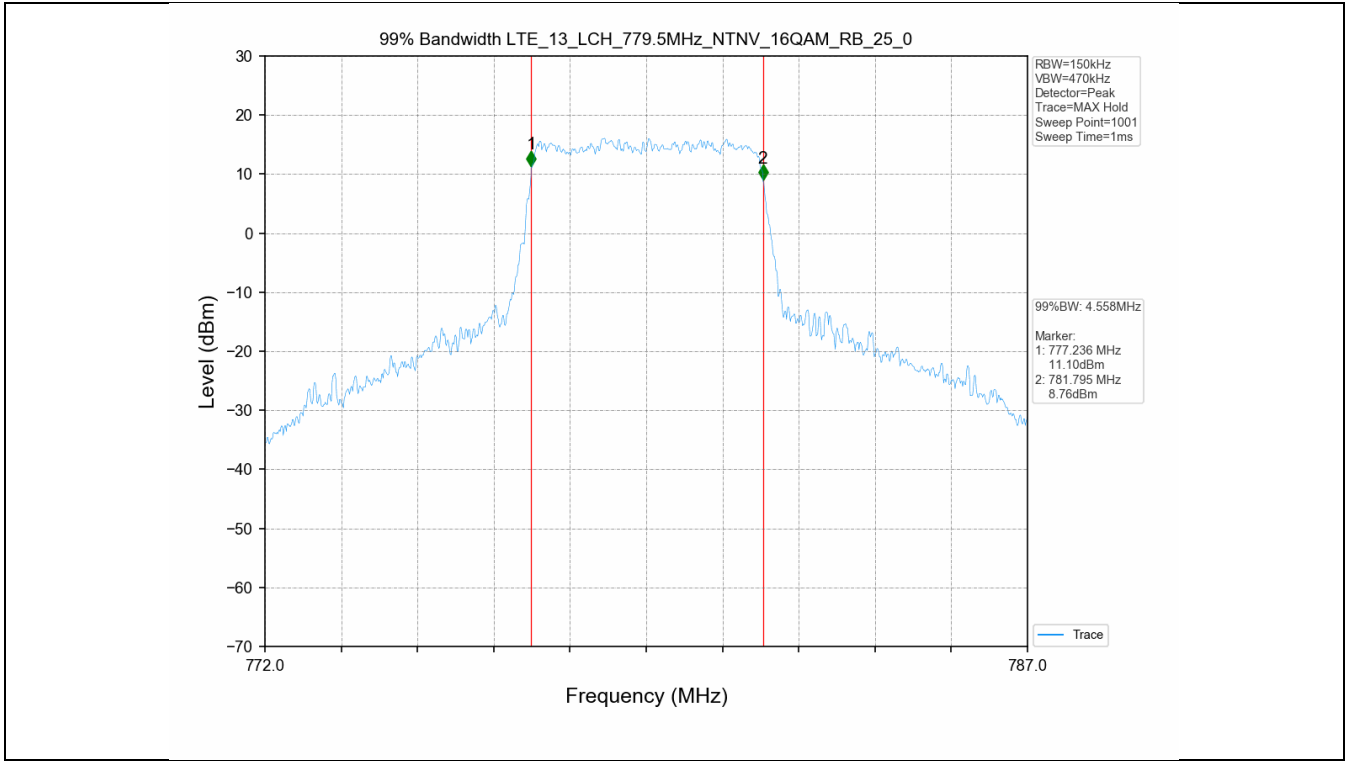


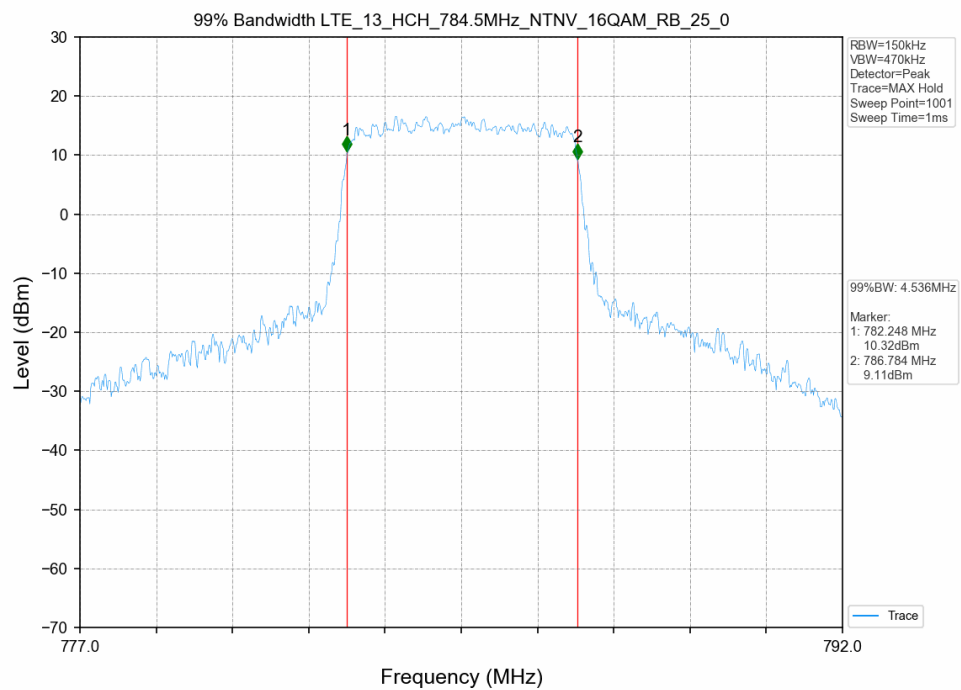
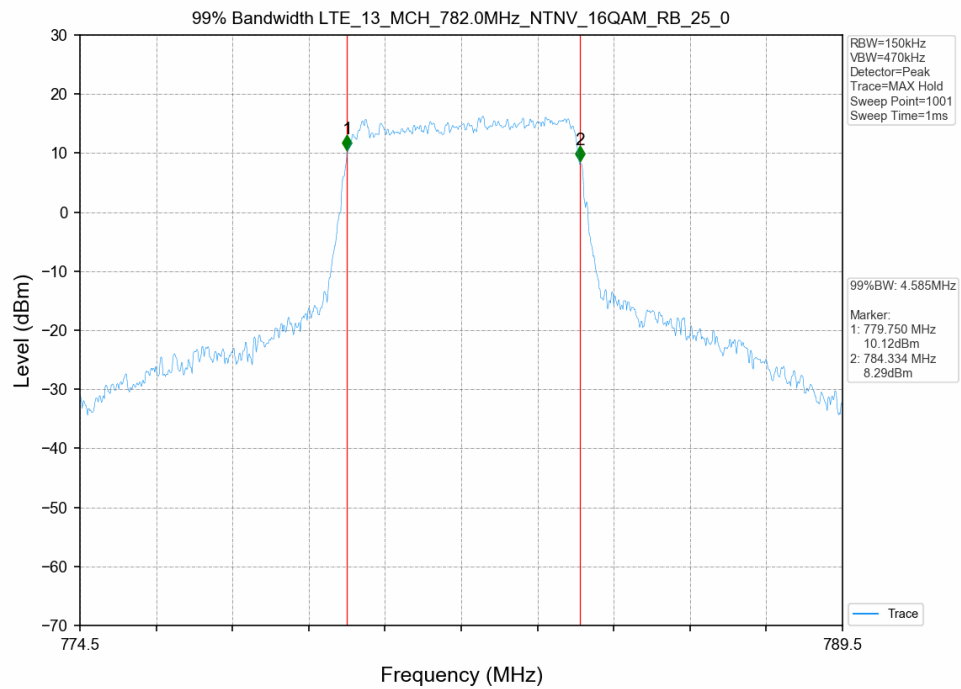
4. 99% & 26dB Bandwidth

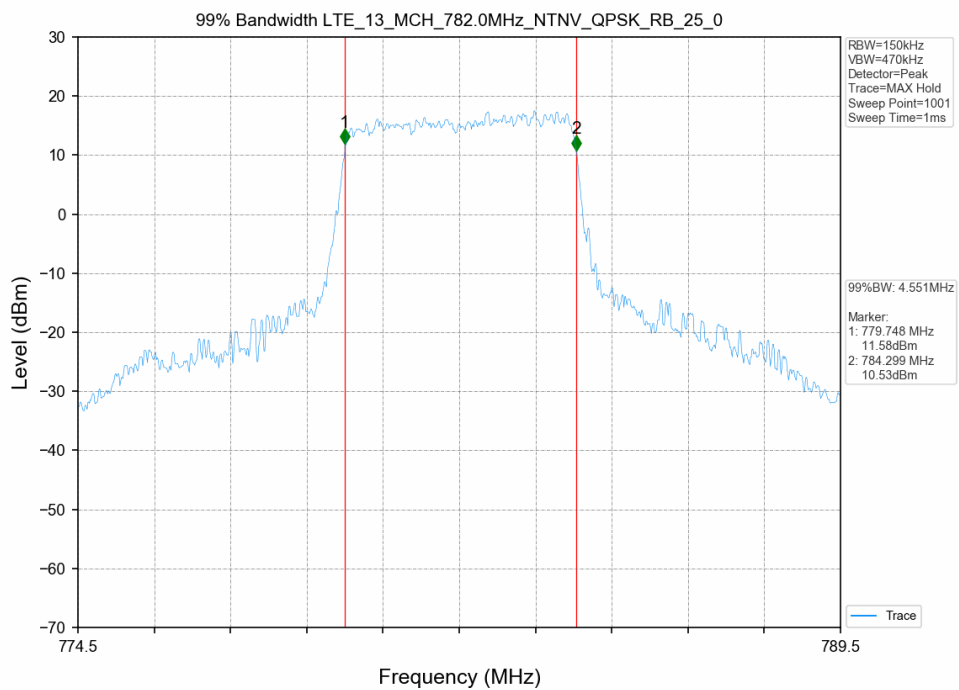
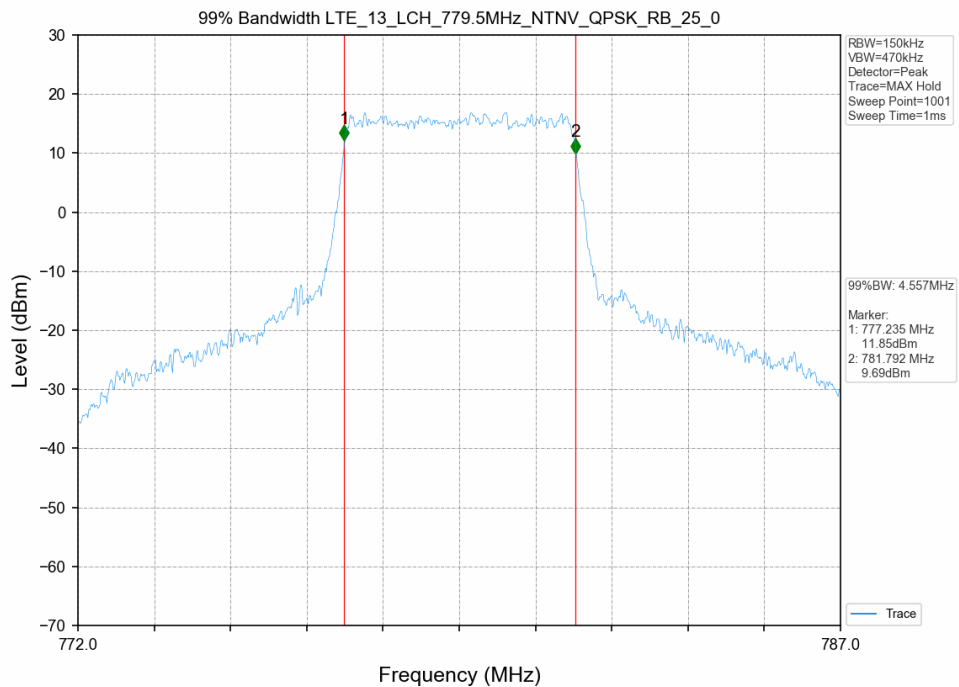
4.1 Test Result

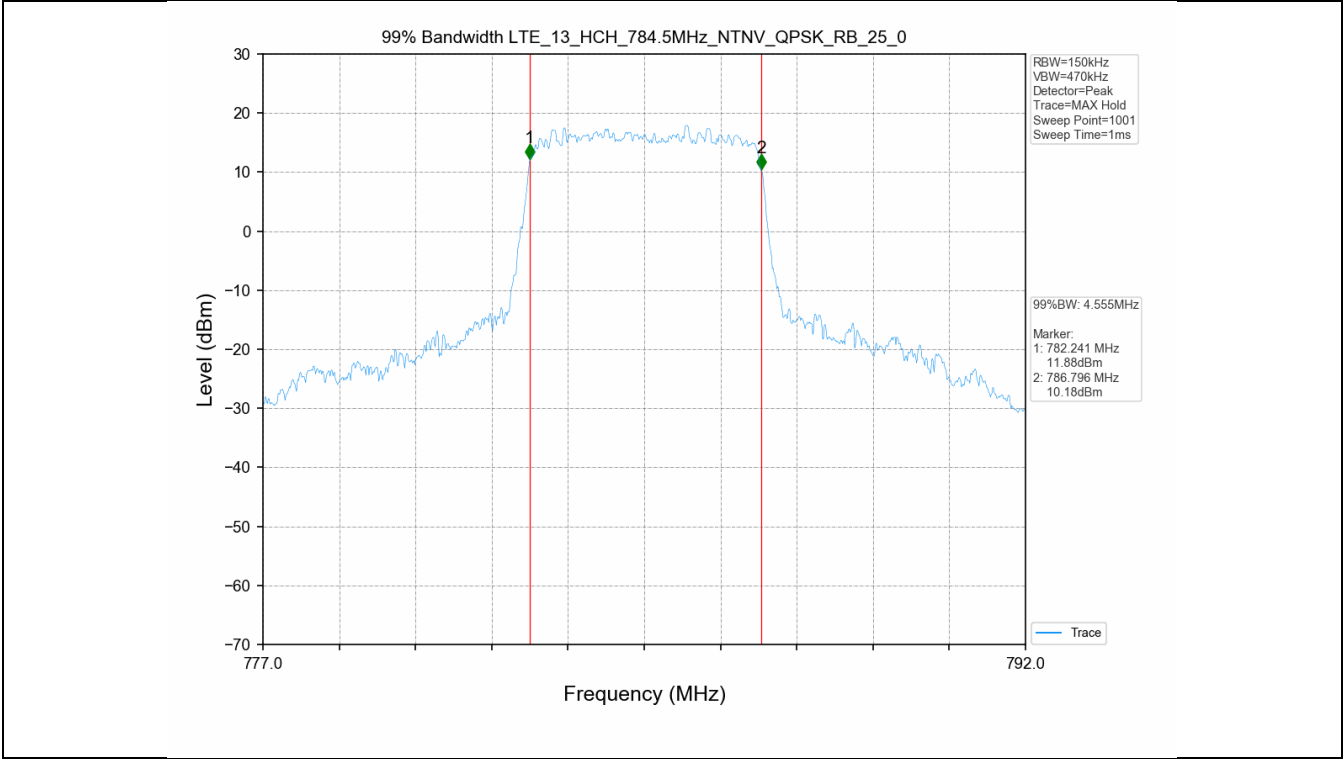
Test Band: 13_5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.560	4.550	4.550	N/A	PASS
16QAM	25	0	4.560	4.580	4.540	N/A	PASS

4.2 Test Graph



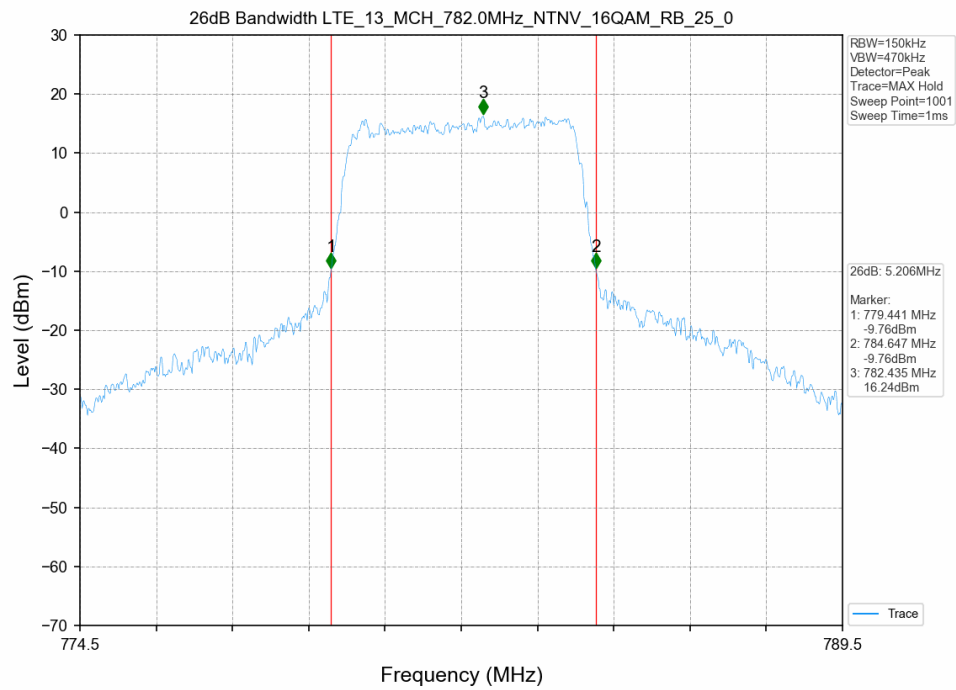
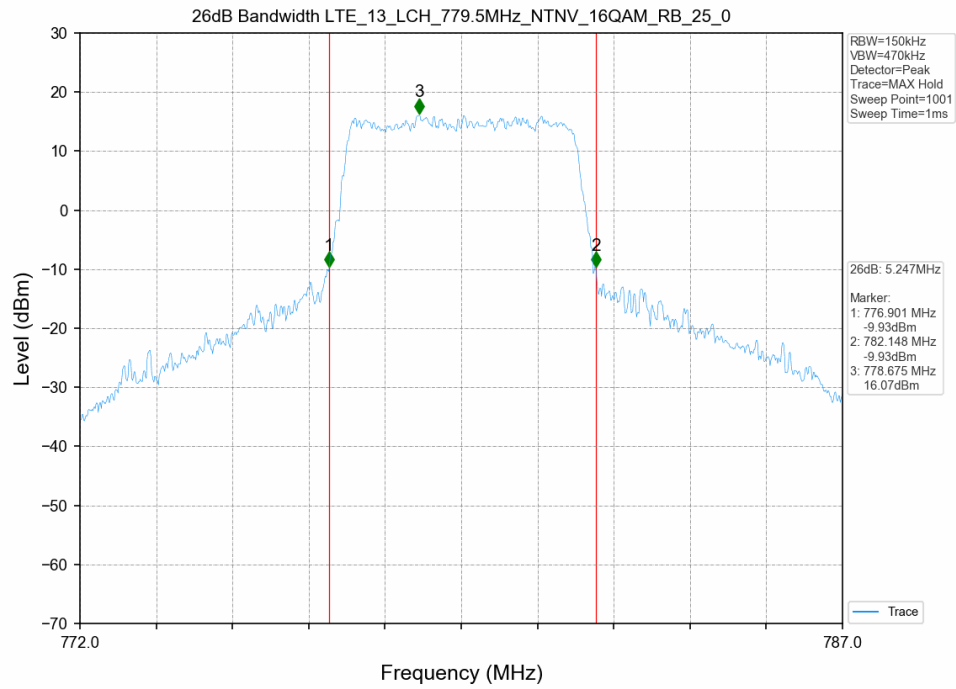


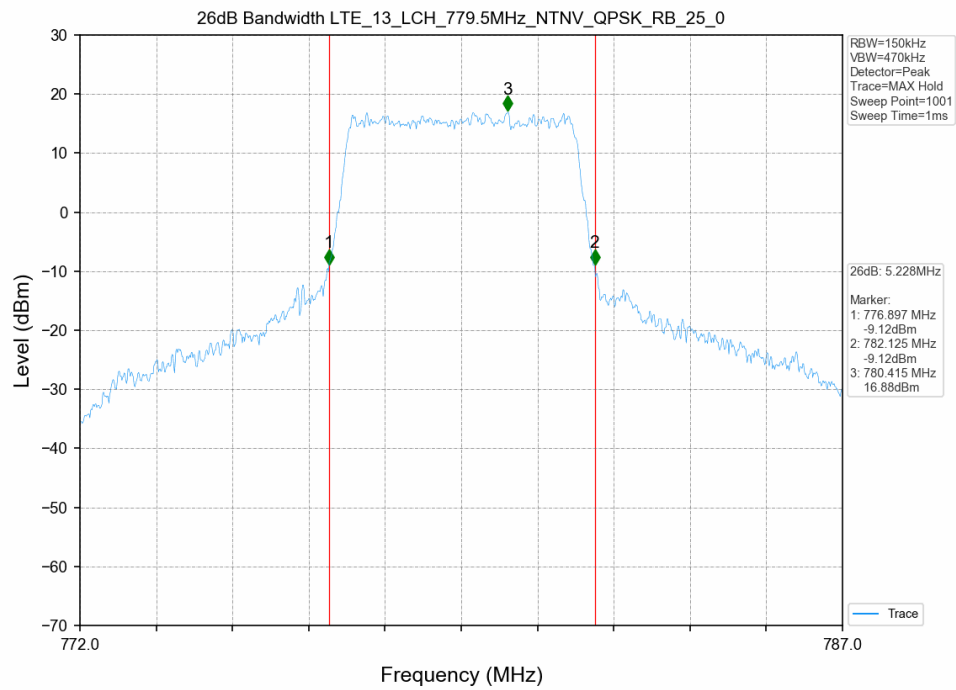
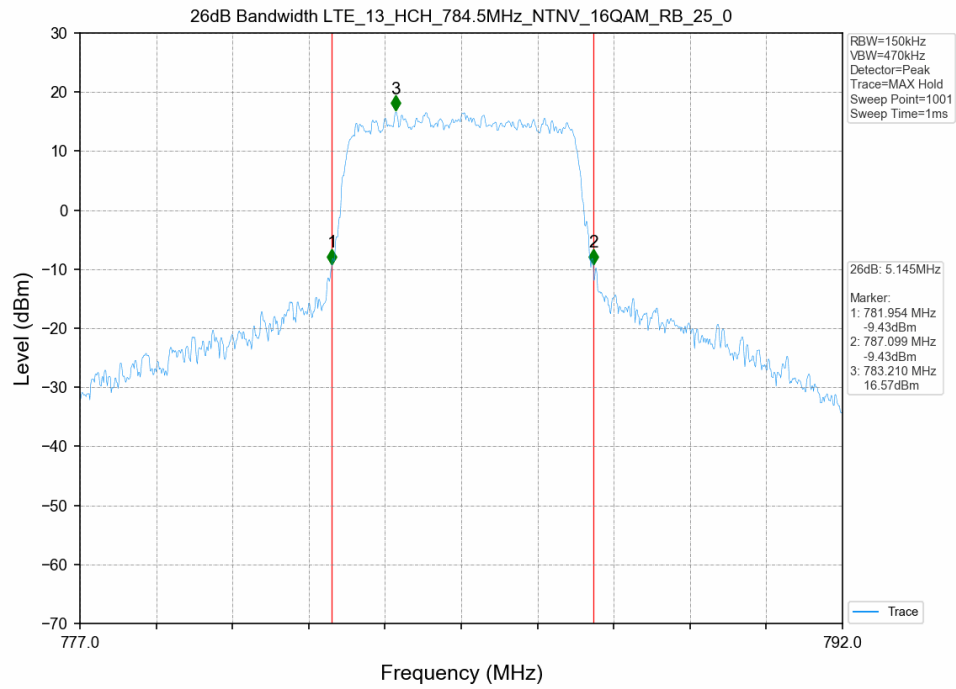


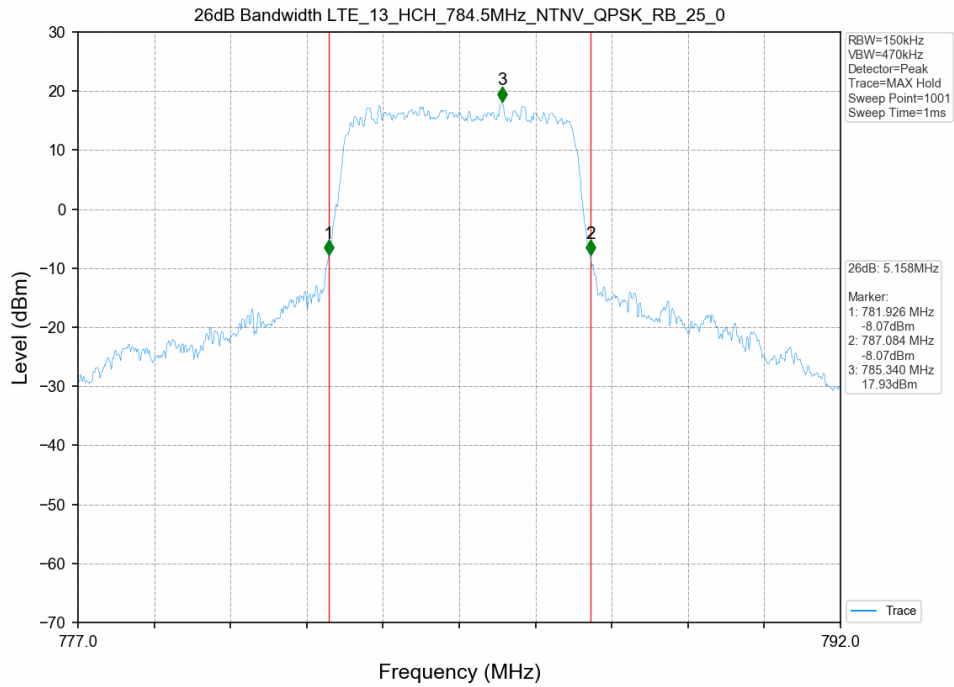
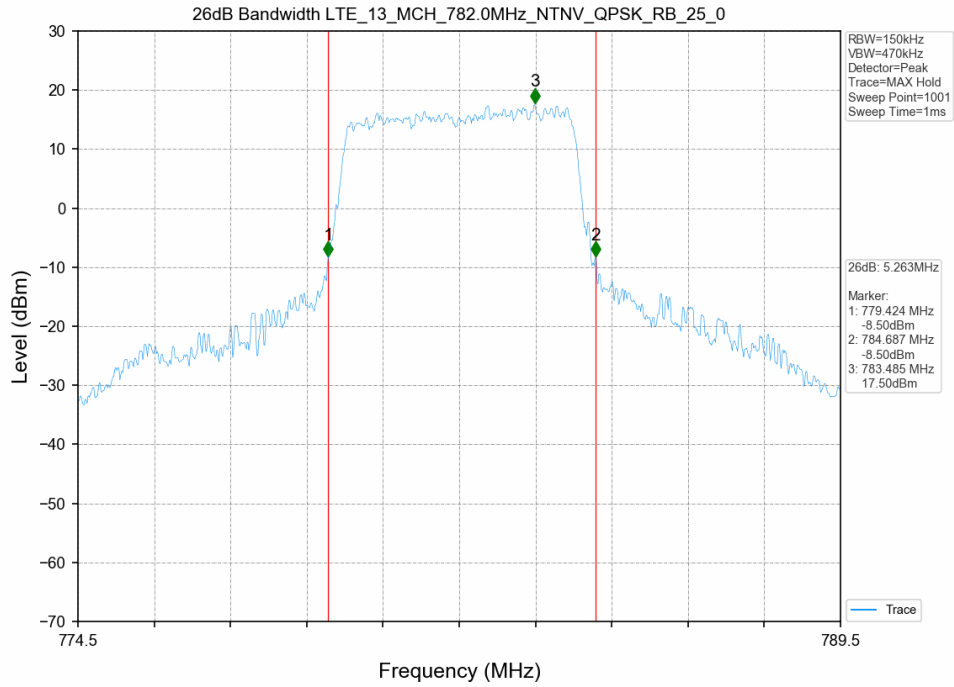


Test Band: 13_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.230	5.260	5.160	N/A	PASS
16QAM	25	0	5.250	5.210	5.140	N/A	PASS

4.2 Test Graph

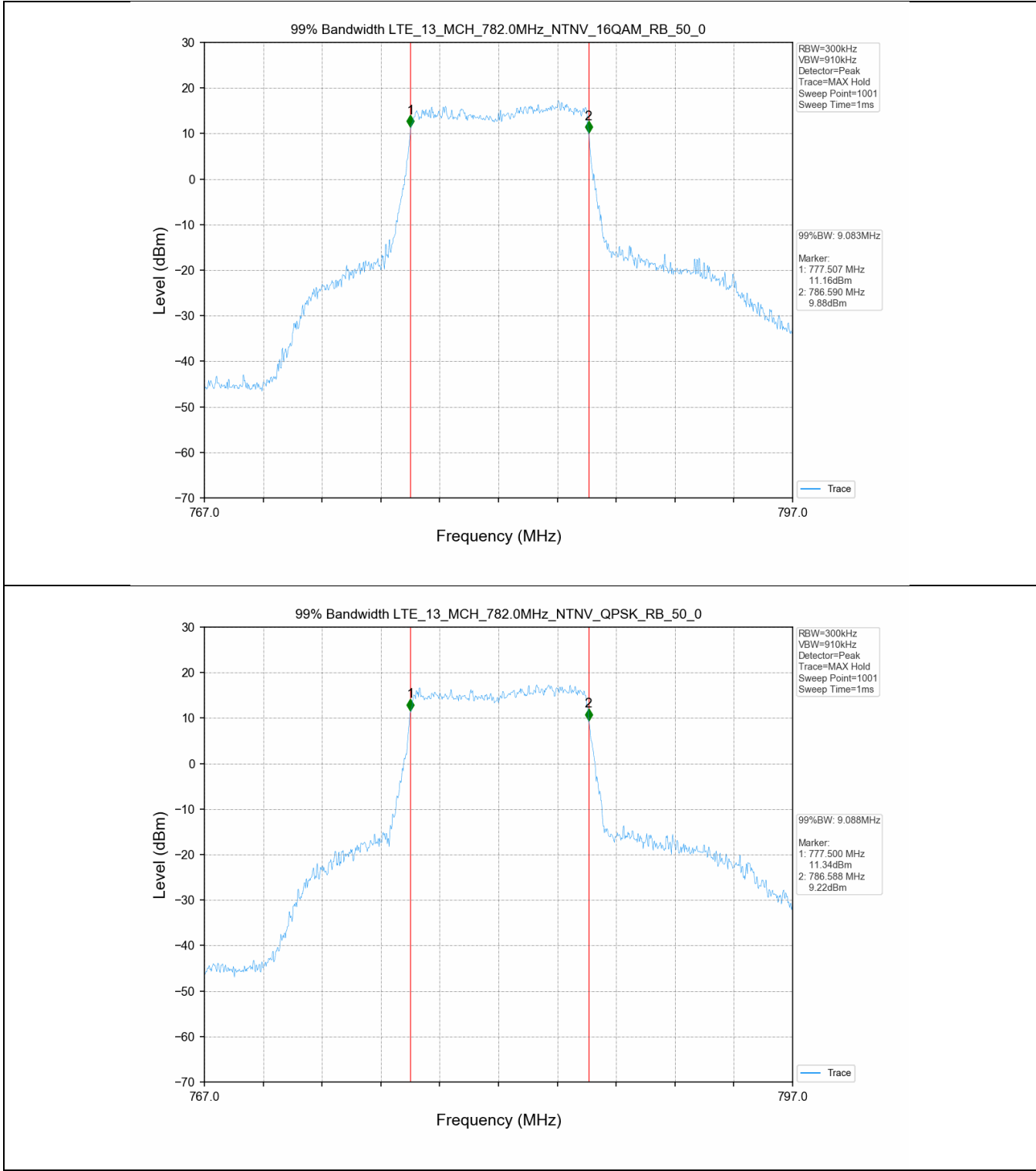






Test Band: 13 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	/	9.090	/	N/A	PASS
16QAM	50	0	/	9.080	/	N/A	PASS

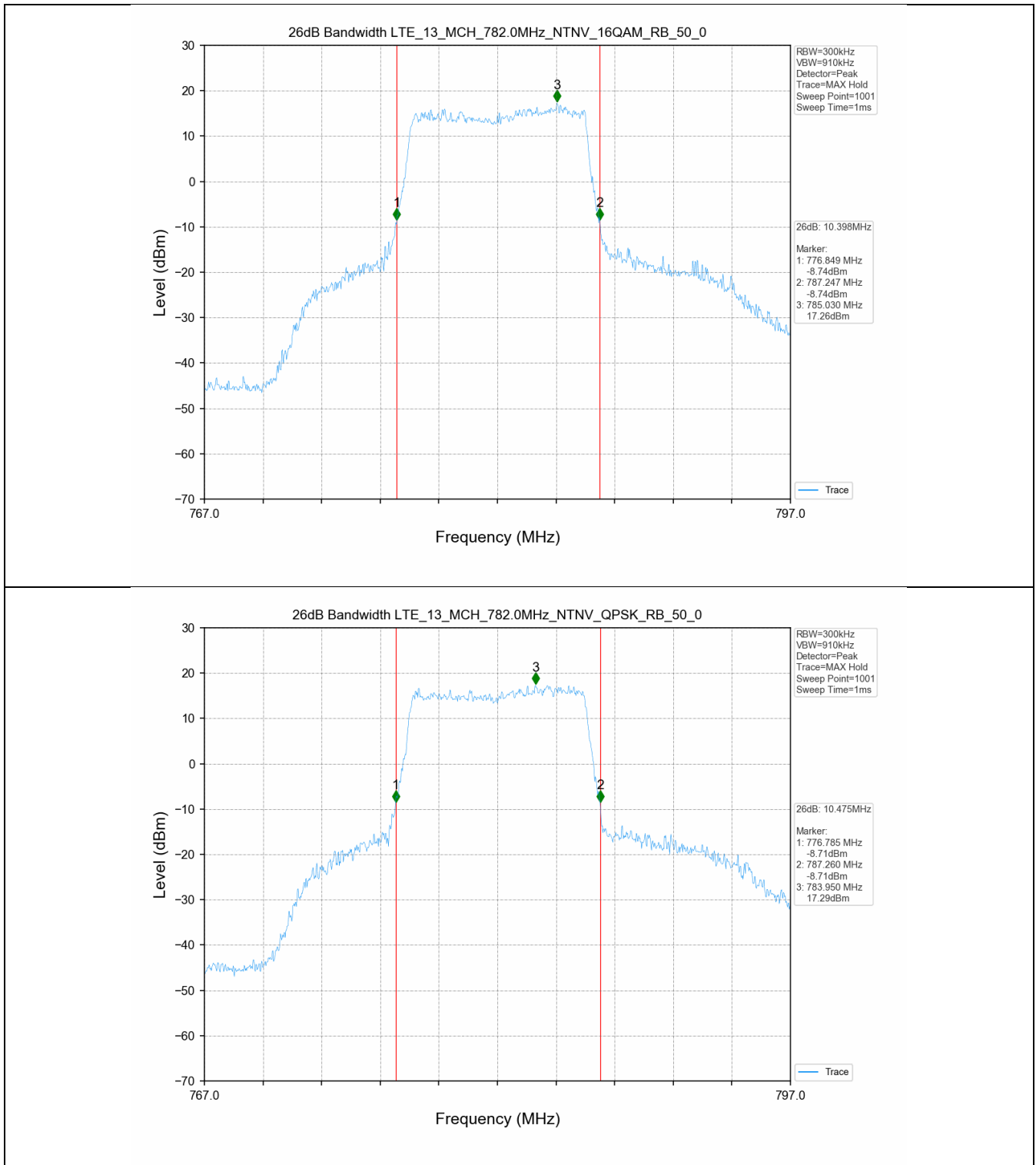
4.2 Test Graph



Test Band: 13_10MHz Bandwidth				
Test Mode	RB Allocation	26dB Bandwidth (MHz)	Limit	Verdict

	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	/	10.470	/	N/A	PASS
16QAM	50	0	/	10.400	/	N/A	PASS

4.2 Test Graph

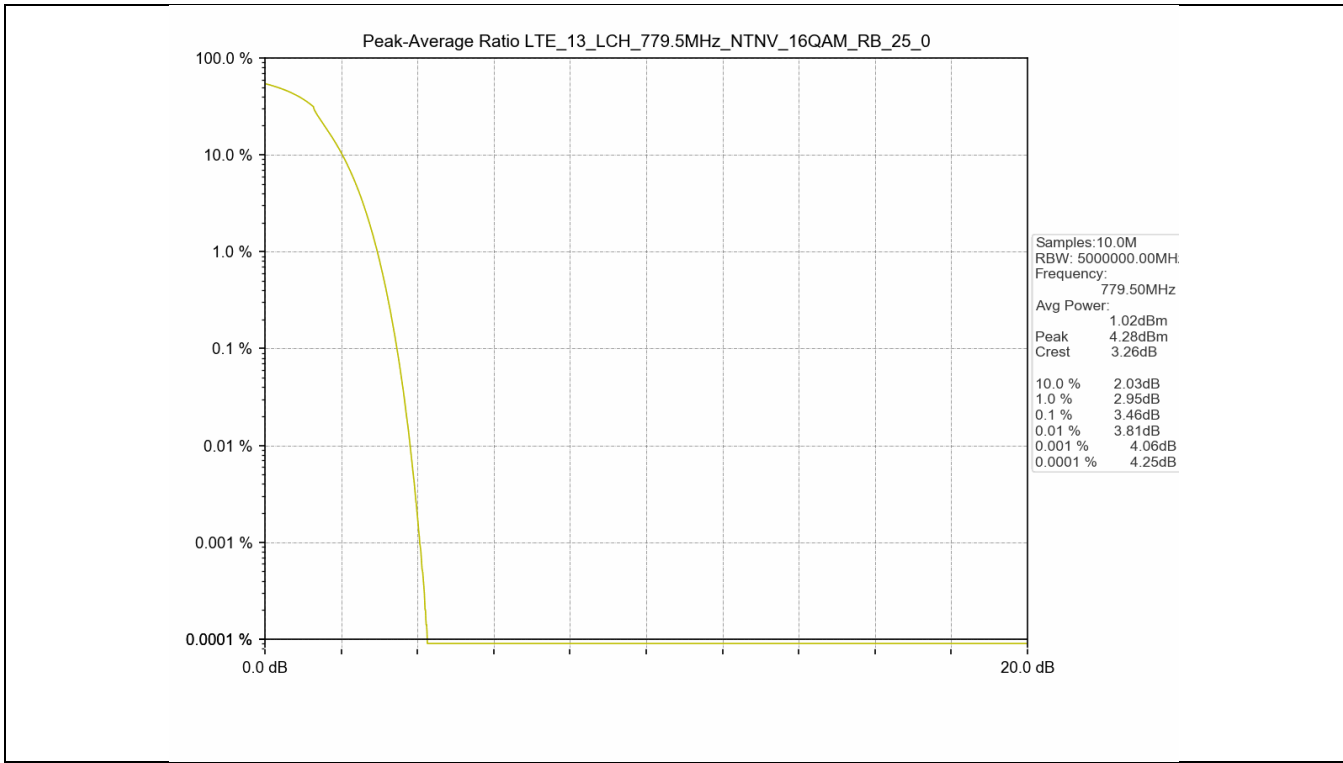


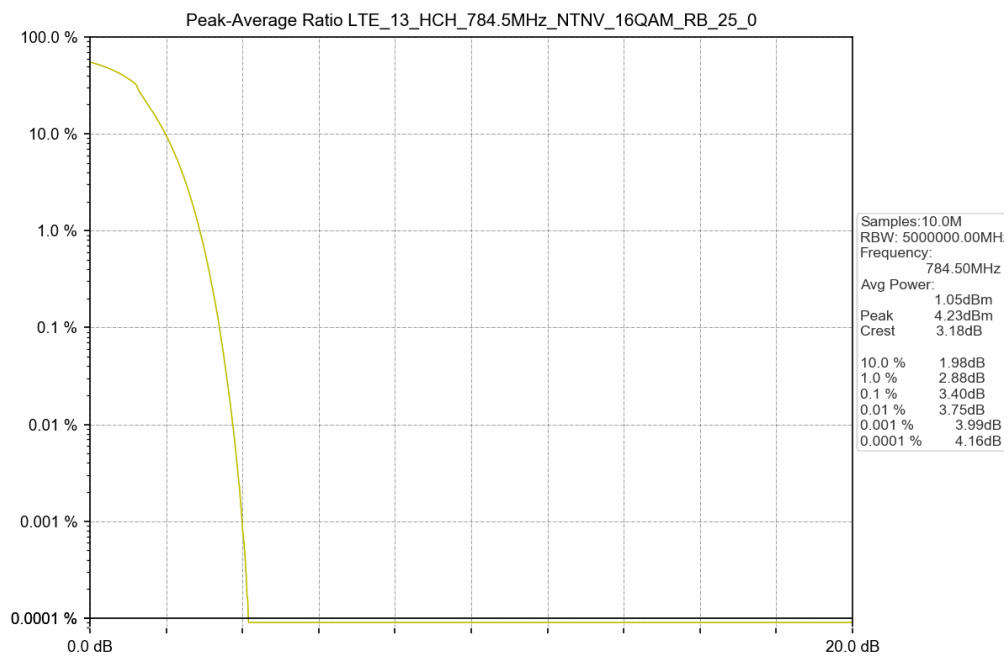
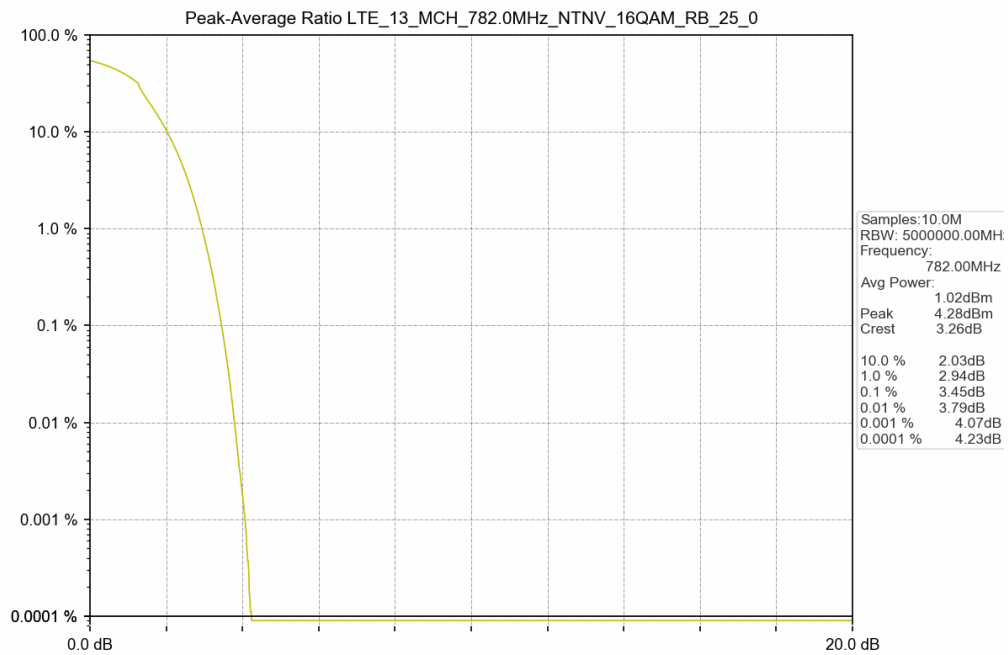
5. Peak-Average Ratio

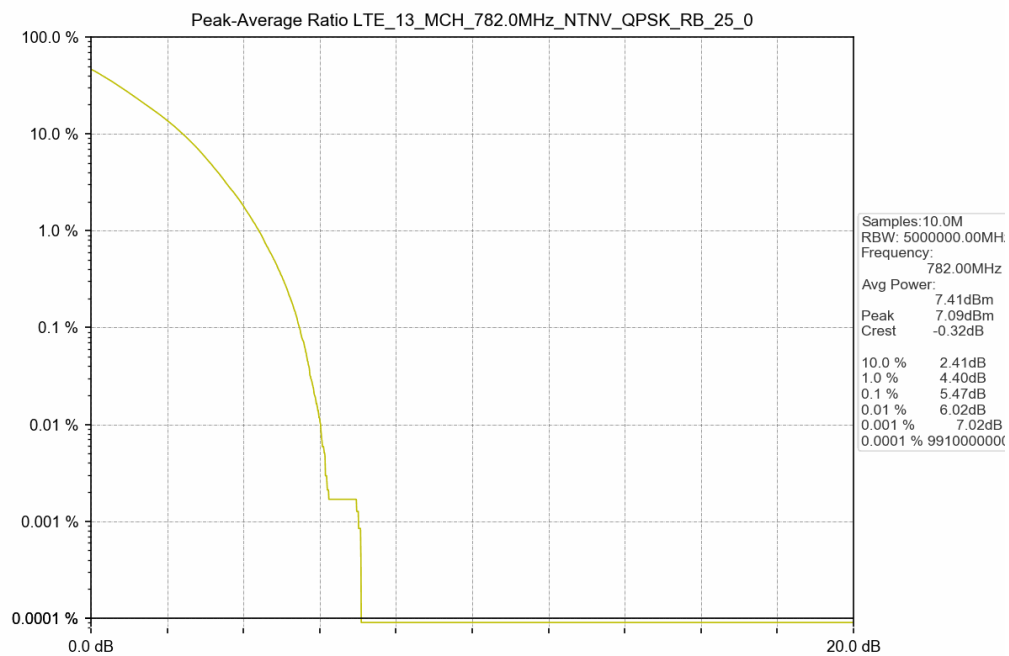
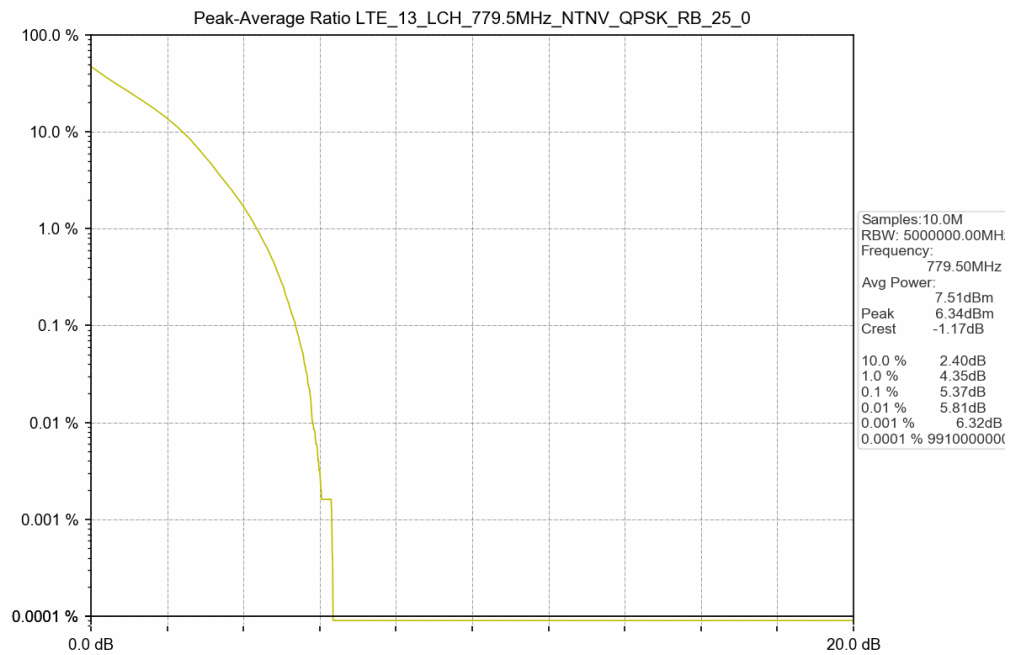
5.1 Test Result

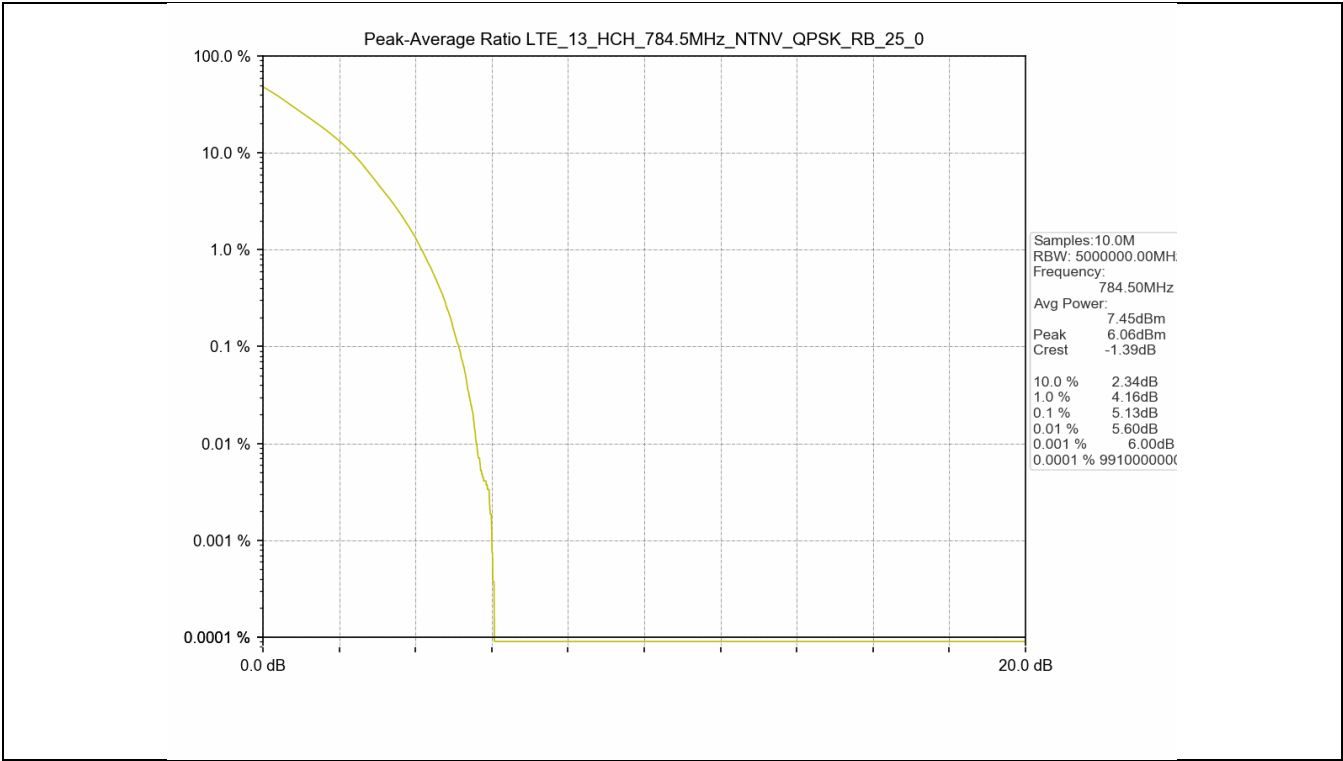
Test Band: 13 5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.37	5.47	5.13	13	PASS
16QAM	25	0	3.46	3.45	3.40	13	PASS

5.2 Test Graph



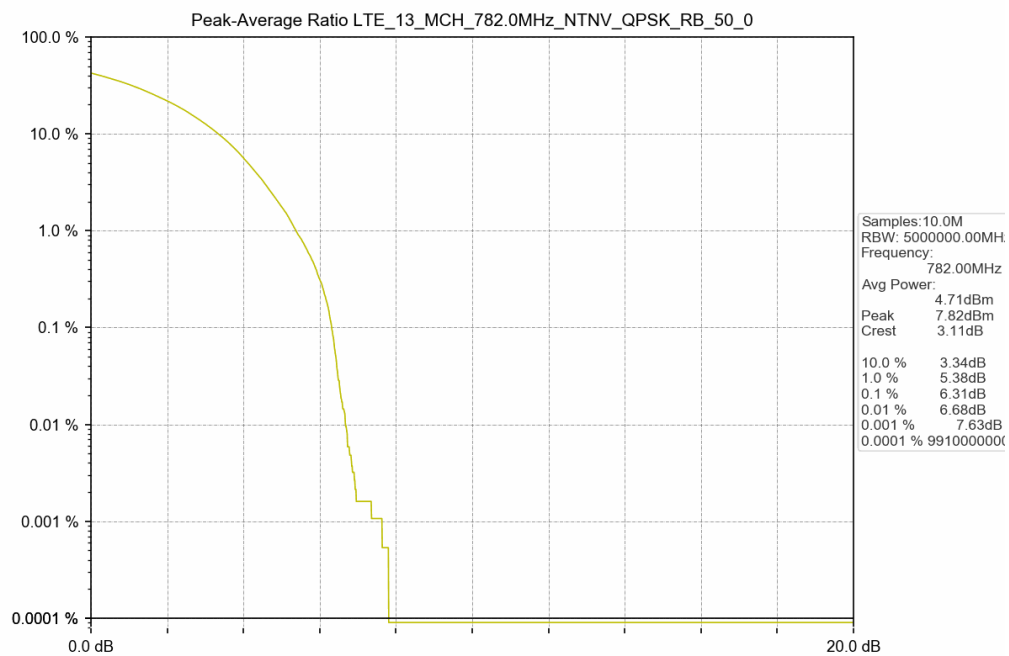
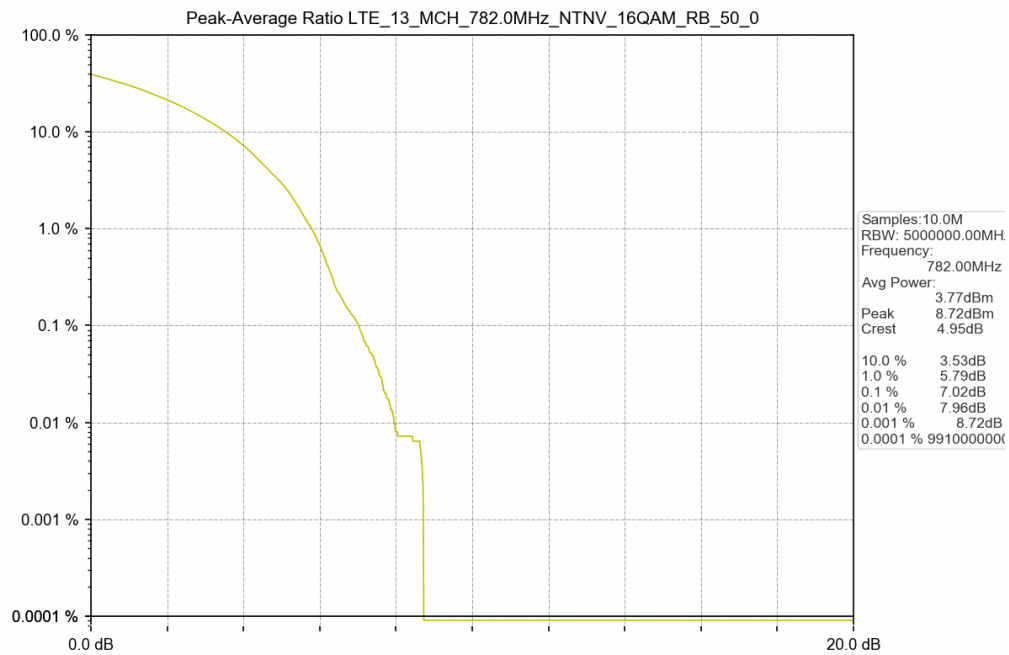






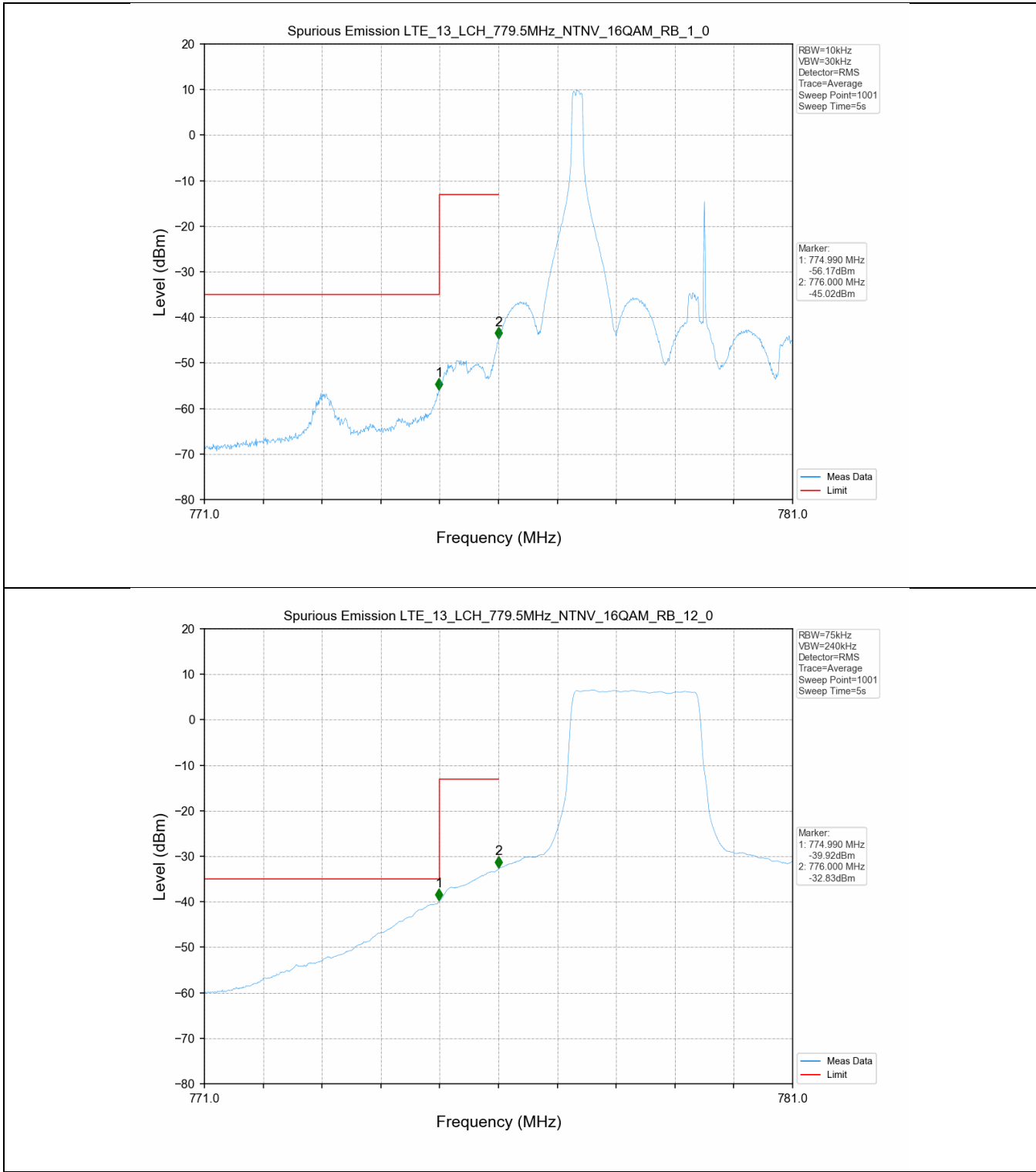
Test Band: 13_10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	/	6.31	/	13	PASS
16QAM	50	0	/	7.02	/	13	PASS

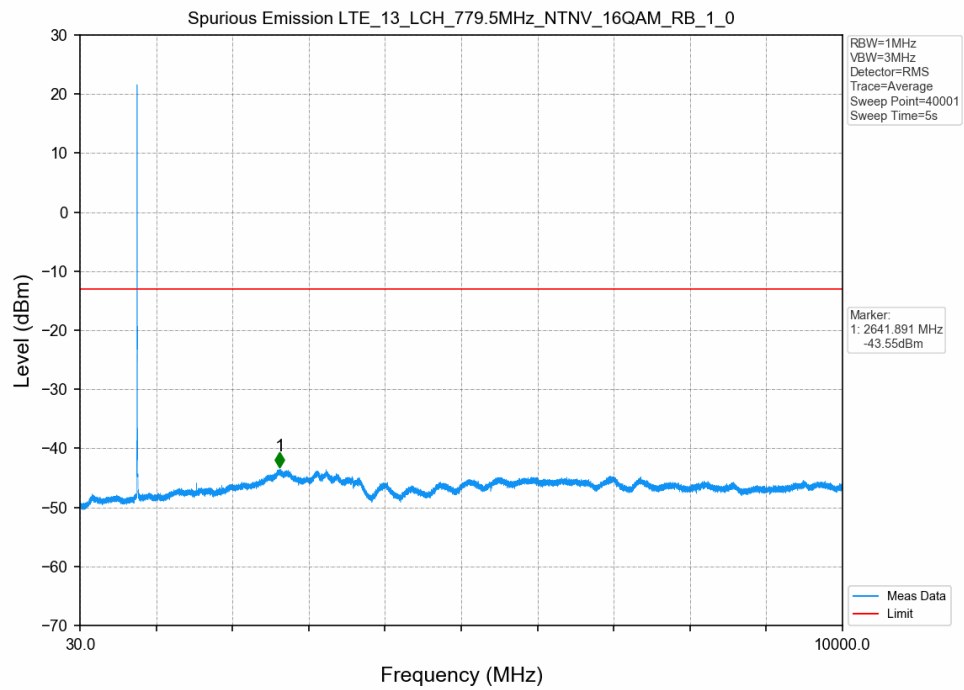
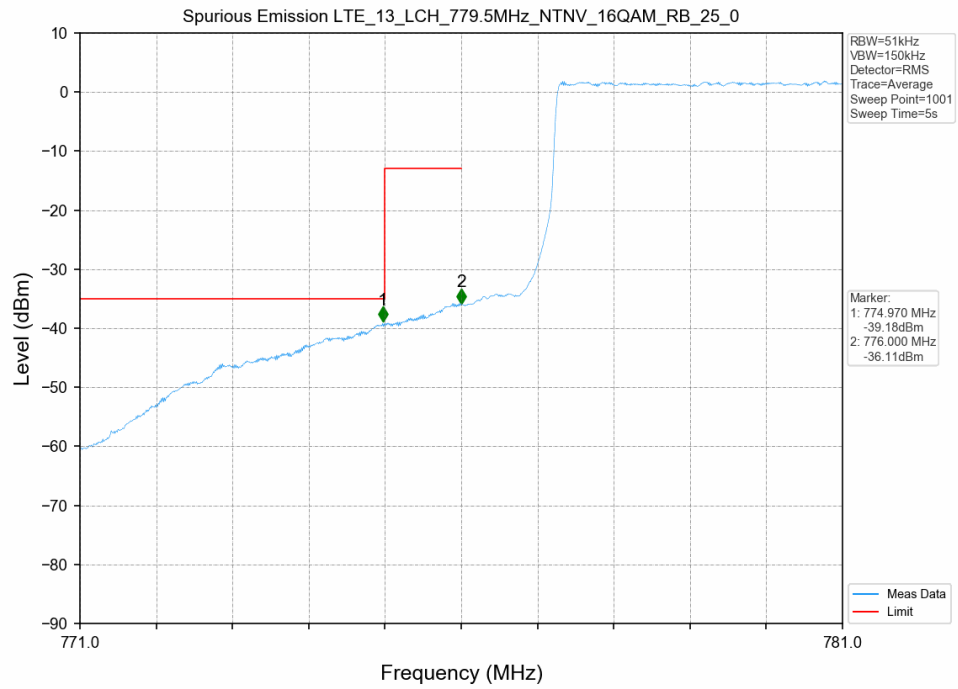
5.2 Test Graph

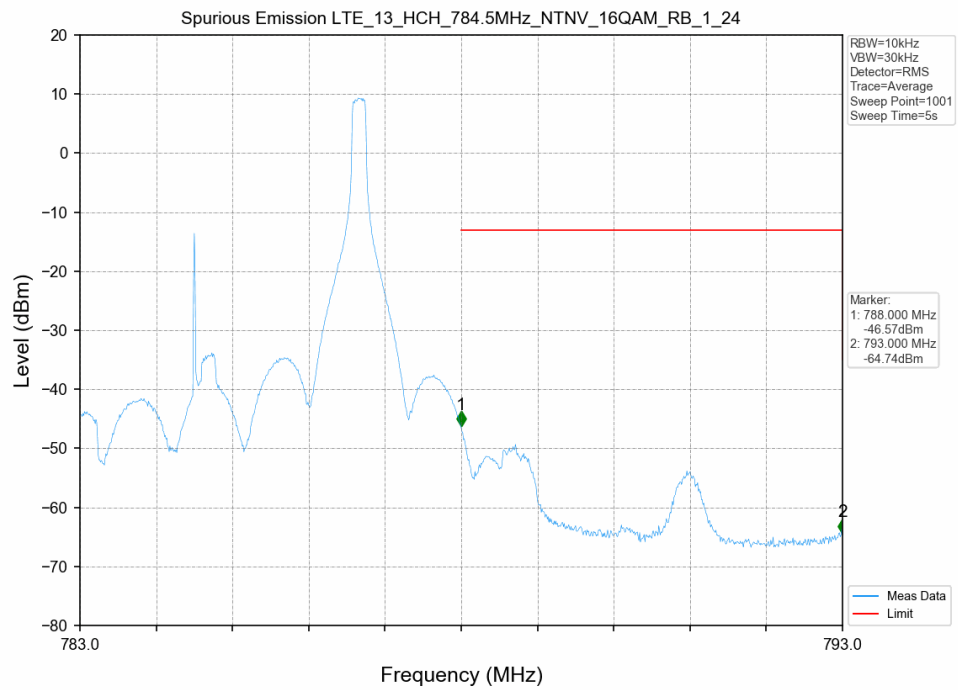
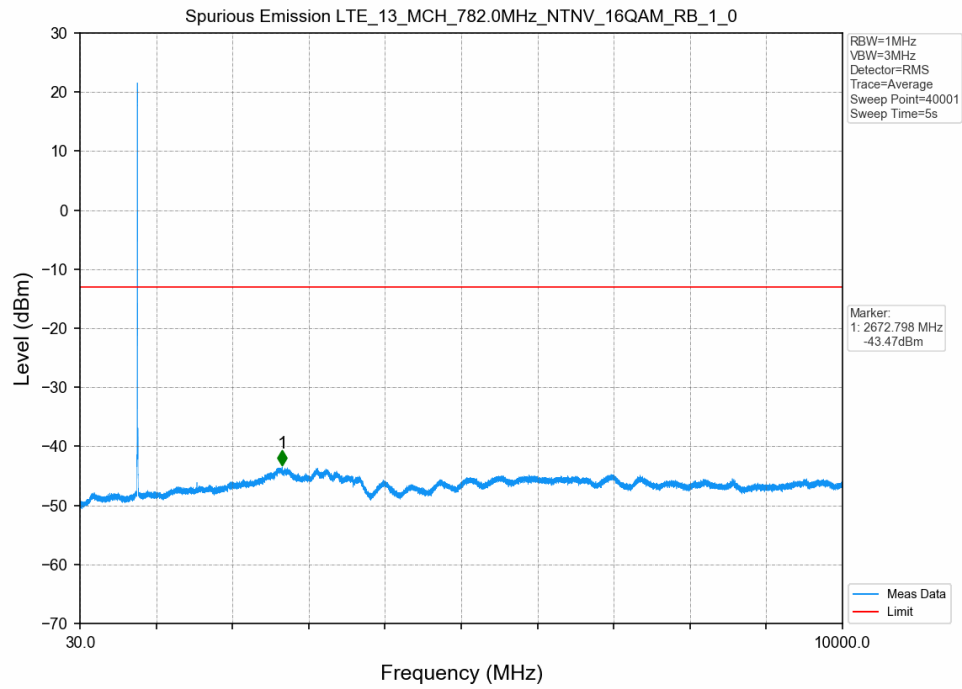


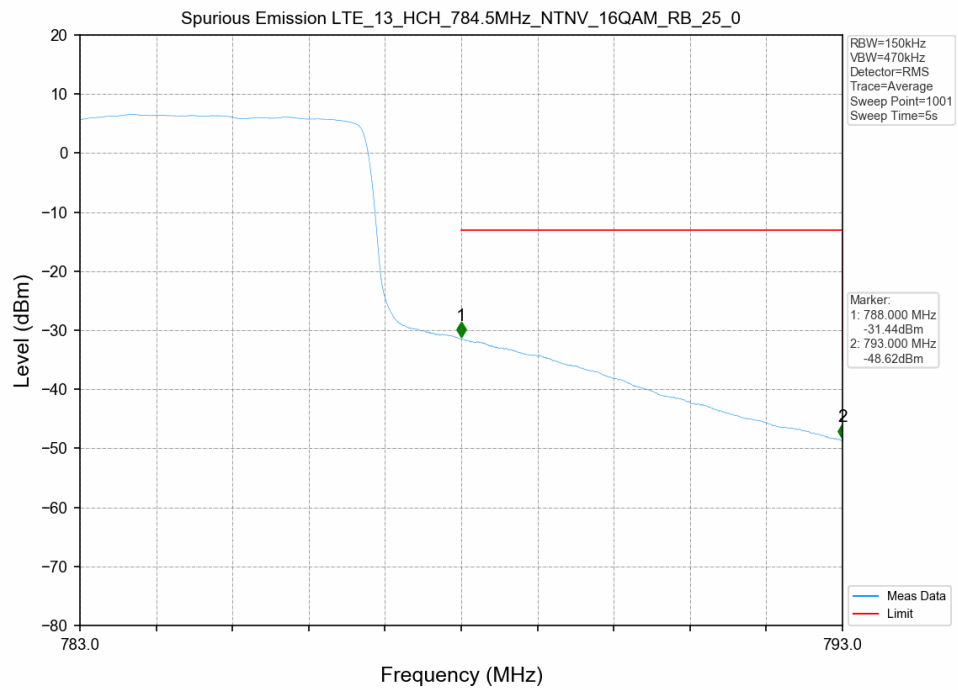
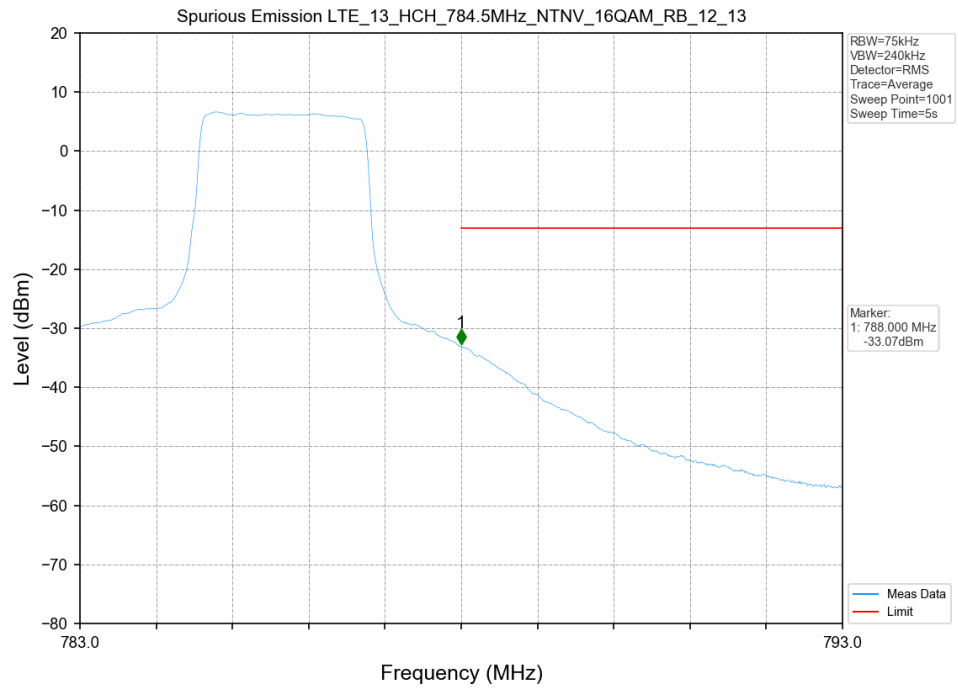
6. Spurious Emission

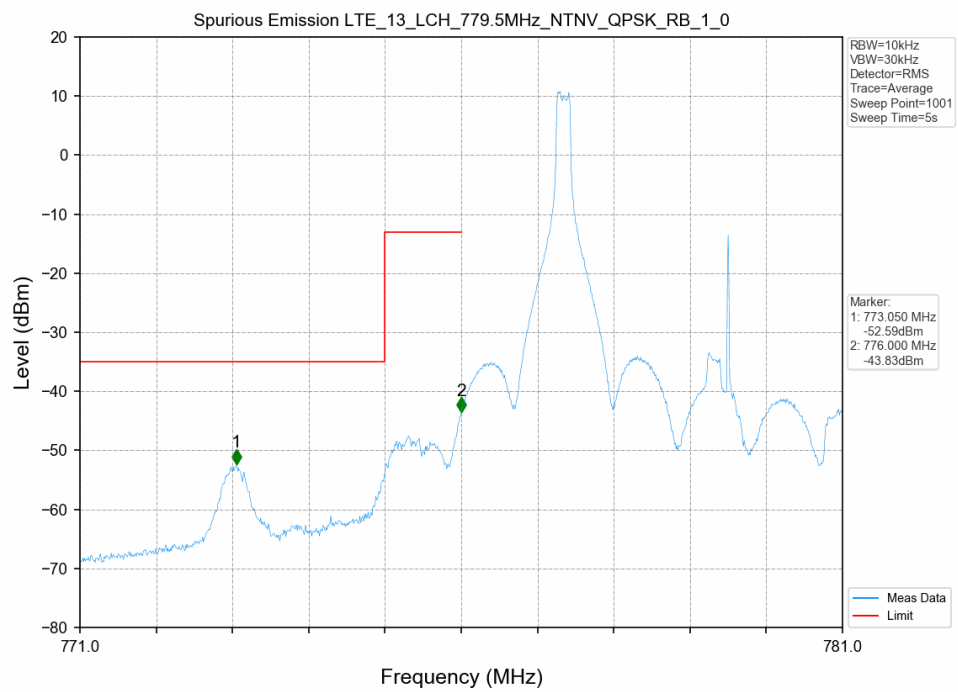
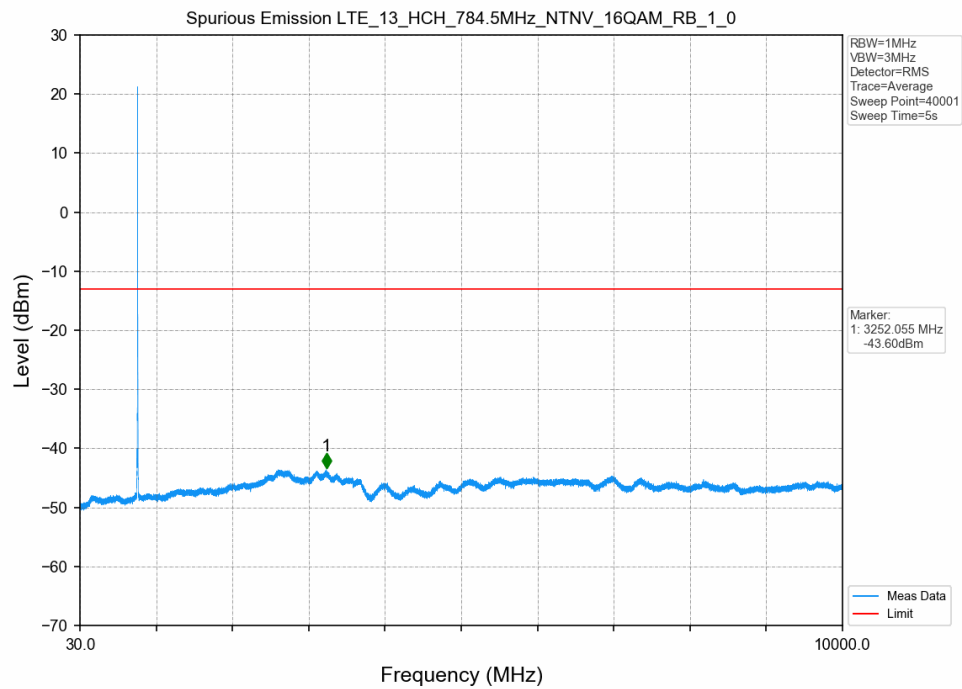
6.1 Test Graph

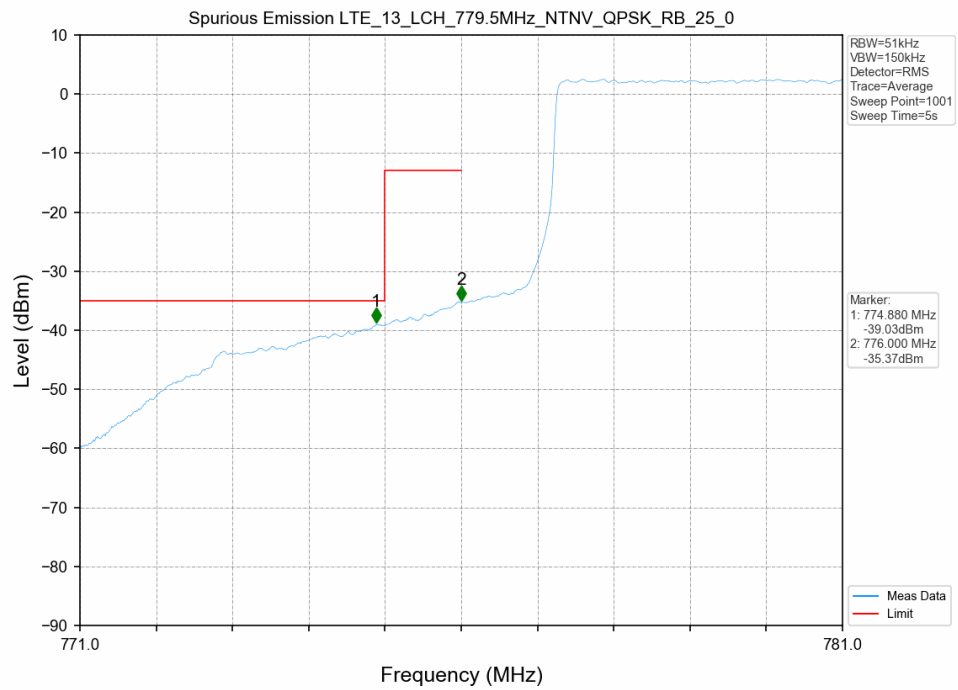
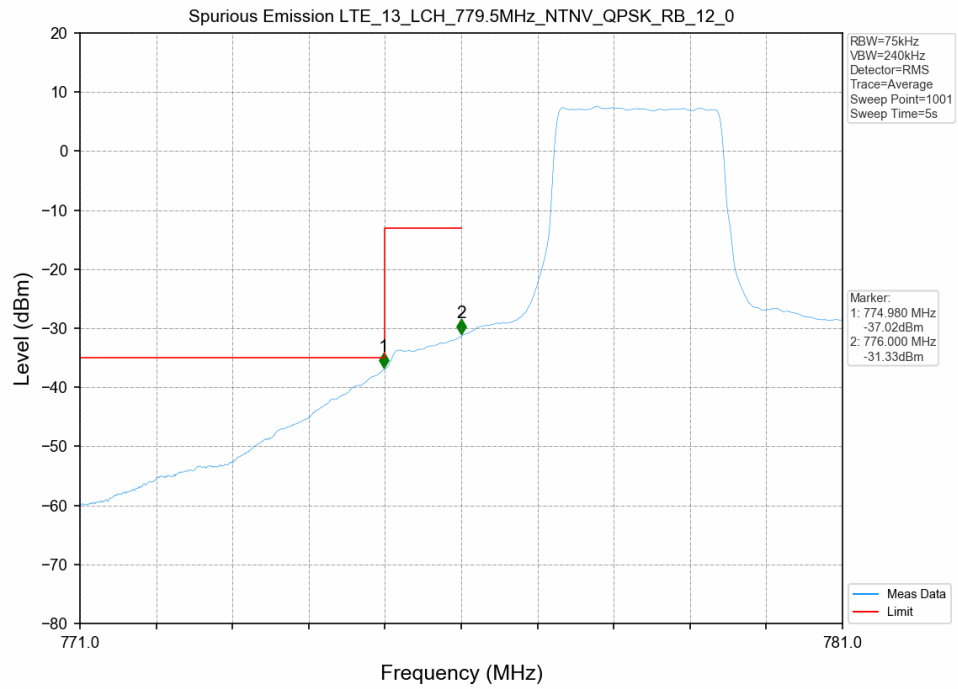


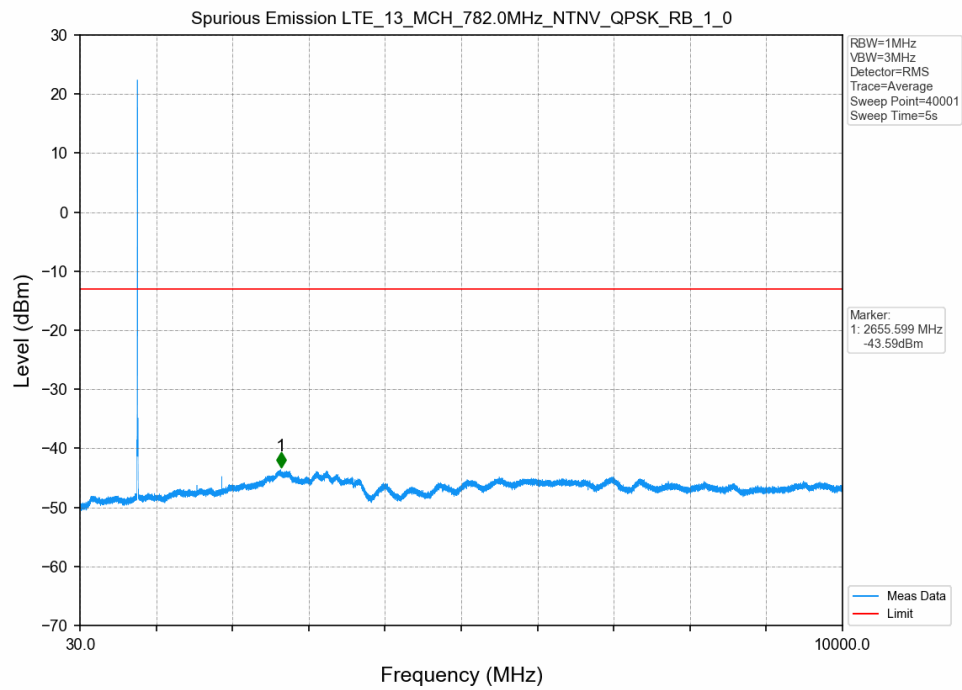
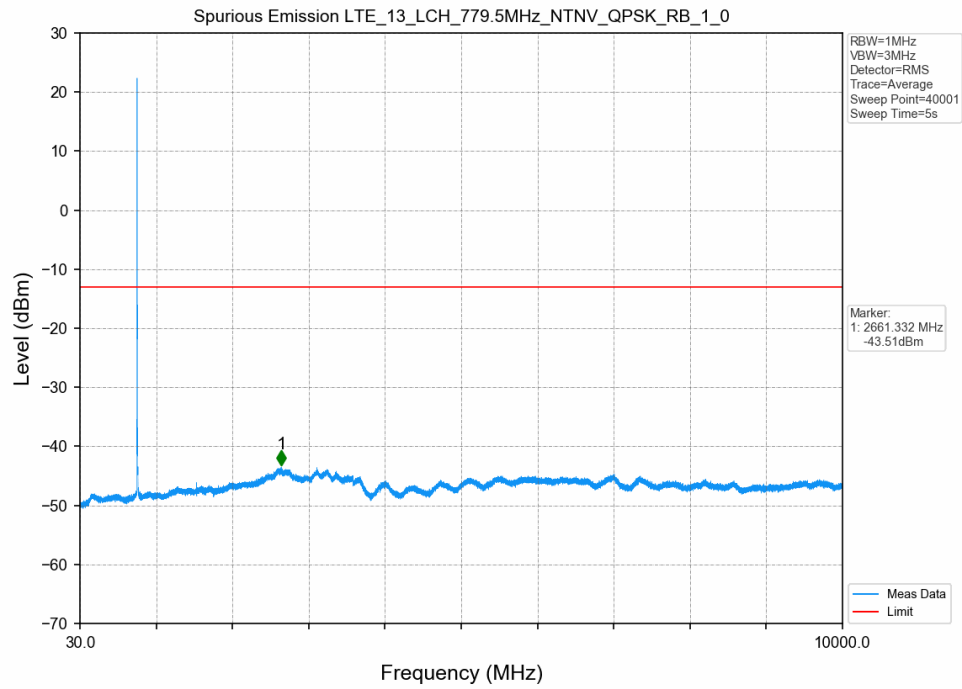


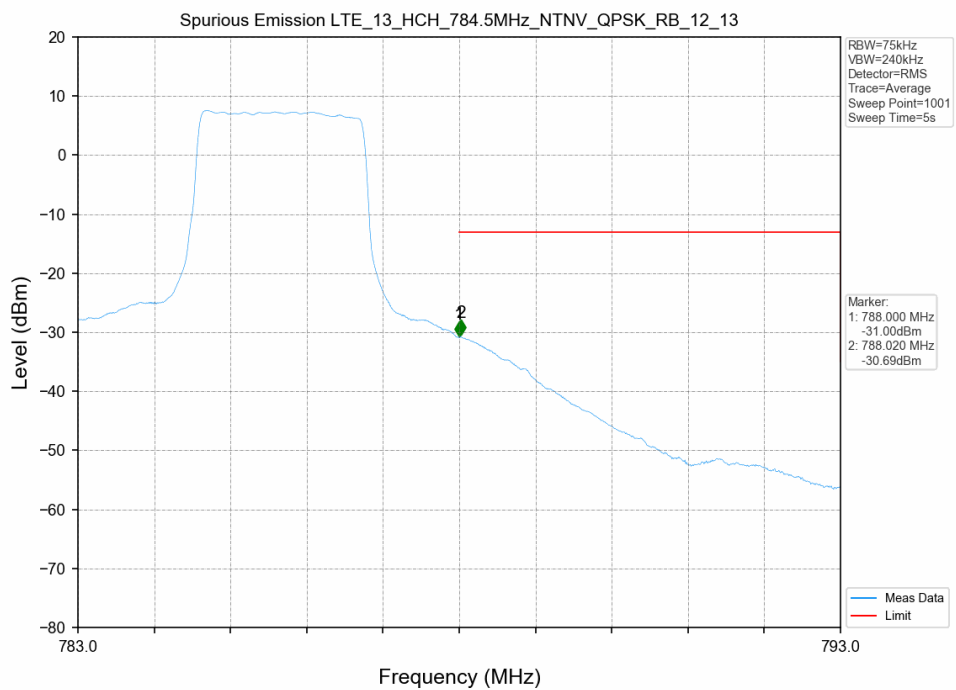
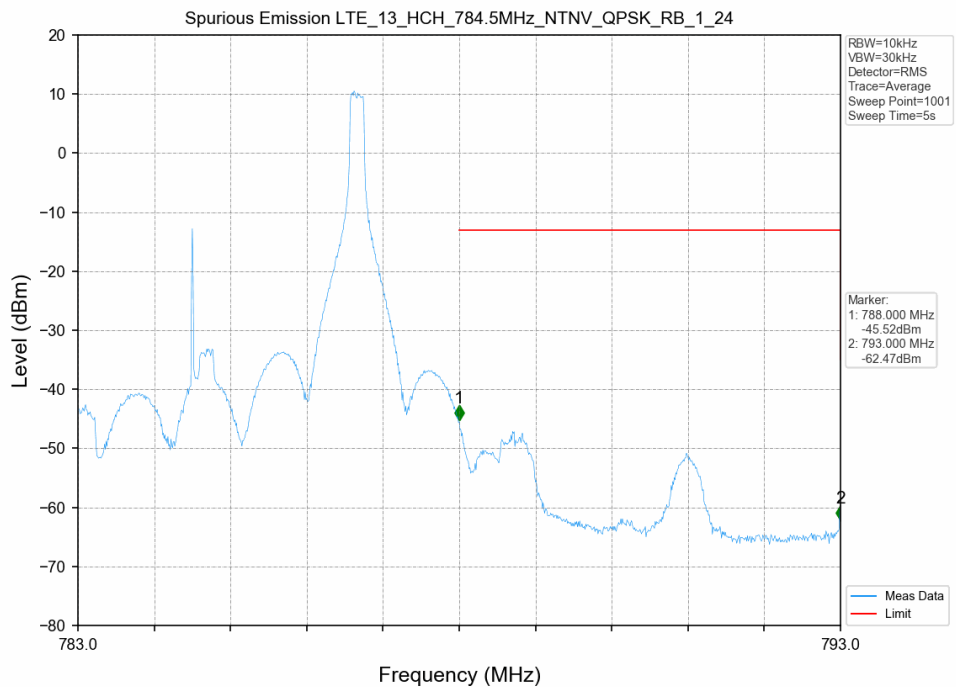


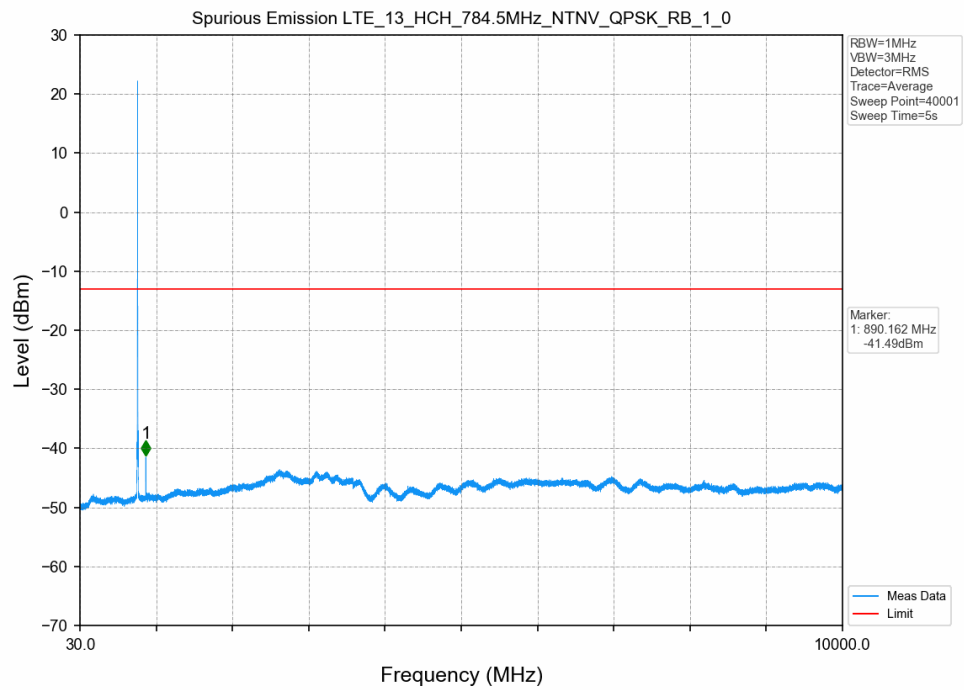
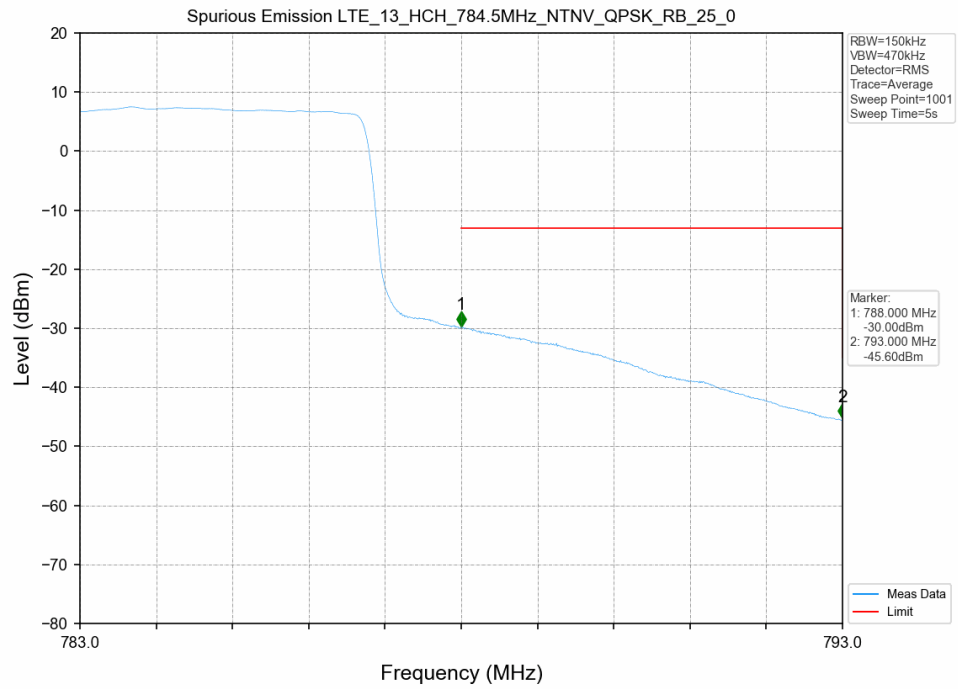












6.1 Test Graph

