



Appendix G

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 41b _ 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	21.79	23.09	22.15	/	3.00	24.79	26.09	25.15	33.01	PASS
		13	21.97	23.00	22.27	/	3.00	24.97	26.00	25.27	33.01	PASS
		24	21.89	22.56	22.42	/	3.00	24.89	25.56	25.42	33.01	PASS
	12	0	20.75	22.04	21.28	/	3.00	23.75	25.04	24.28	33.01	PASS
		6	20.91	21.99	20.84	/	3.00	23.91	24.99	23.84	33.01	PASS
		13	20.95	21.66	21.83	/	3.00	23.95	24.66	24.83	33.01	PASS
16QAM	25	0	20.91	21.93	21.71	/	3.00	23.91	24.93	24.71	33.01	PASS
			20.81	22.38	21.13	/	3.00	23.81	25.38	24.13	33.01	PASS
			21.20	22.30	21.35	/	3.00	24.20	25.30	24.35	33.01	PASS
	1	13	21.16	21.69	21.41	/	3.00	24.16	24.69	24.41	33.01	PASS
		24	19.33	21.05	20.22	/	3.00	22.33	24.05	23.22	33.01	PASS
		0	18.61	20.83	20.26	/	3.00	21.61	23.83	23.26	33.01	PASS
	12	6	19.76	20.79	20.20	/	3.00	22.76	23.79	23.20	33.01	PASS
		13	19.76	20.79	20.20	/	3.00	22.76	23.79	23.20	33.01	PASS
		0	19.79	20.87	20.18	/	3.00	22.79	23.87	23.18	33.01	PASS

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

Test Band: 41b _ 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	22.16	23.51	21.28	/	3.00	25.16	26.51	24.28	33.01	PASS
		25	22.79	23.48	21.97	/	3.00	25.79	26.48	24.97	33.01	PASS
		49	22.69	22.77	22.33	/	3.00	25.69	25.77	25.33	33.01	PASS
	25	0	21.28	22.41	20.49	/	3.00	24.28	25.41	23.49	33.01	PASS
		13	21.50	22.31	20.76	/	3.00	24.50	25.31	23.76	33.01	PASS
		25	21.61	22.11	20.84	/	3.00	24.61	25.11	23.84	33.01	PASS
16QAM	50	0	21.44	21.77	19.27	/	3.00	24.44	24.77	22.27	33.01	PASS
			21.10	22.34	21.44	/	3.00	24.10	25.34	24.44	33.01	PASS
			21.74	22.46	21.91	/	3.00	24.74	25.46	24.91	33.01	PASS
	1	25	21.36	21.82	21.71	/	3.00	24.36	24.82	24.71	33.01	PASS
		49	20.17	21.41	20.54	/	3.00	23.17	24.41	23.54	33.01	PASS
		0	20.43	21.13	20.61	/	3.00	23.43	24.13	23.61	33.01	PASS
	25	13	20.69	20.94	20.61	/	3.00	23.69	23.94	23.61	33.01	PASS
		25	20.69	20.94	20.61	/	3.00	23.69	23.94	23.61	33.01	PASS
		0	20.45	21.11	20.61	/	3.00	23.45	24.11	23.61	33.01	PASS

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

Test Band: 41b _ 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	22.09	17.06	21.88	/	3.00	25.09	20.06	24.88	33.01	PASS
		38	22.60	23.16	21.96	/	3.00	25.60	26.16	24.96	33.01	PASS

	36	74	22.57	22.53	22.90	/	3.00	25.57	25.53	25.90	33.01	PASS
		0	21.25	22.65	21.18	/	3.00	24.25	25.65	24.18	33.01	PASS
		18	21.49	22.30	21.01	/	3.00	24.49	25.30	24.01	33.01	PASS
		39	21.63	22.04	21.45	/	3.00	24.63	25.04	24.45	33.01	PASS
	75	0	19.53	22.28	21.36	/	3.00	22.53	25.28	24.36	33.01	PASS
16QAM	1		15.31	16.16	21.17	/	3.00	18.31	19.16	24.17	33.01	PASS
		38	15.51	15.88	21.51	/	3.00	18.51	18.88	24.51	33.01	PASS
		74	15.78	14.79	21.96	/	3.00	18.78	17.79	24.96	33.01	PASS
	36	0	14.39	21.49	20.14	/	3.00	17.39	24.49	23.14	33.01	PASS
		18	14.61	21.33	20.38	/	3.00	17.61	24.33	23.38	33.01	PASS
		39	14.67	20.96	20.59	/	3.00	17.67	23.96	23.59	33.01	PASS
	75	0	14.56	21.16	20.36	/	3.00	17.56	24.16	23.36	33.01	PASS
	Note:											
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 41b _ 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	21.59	22.81	21.79	/	3.00	24.59	25.81	24.79	33.01	PASS
		50	22.38	23.23	21.93	/	3.00	25.38	26.23	24.93	33.01	PASS
		99	21.98	22.01	22.19	/	3.00	24.98	25.01	25.19	33.01	PASS
	50	0	20.78	22.07	20.73	/	3.00	23.78	25.07	23.73	33.01	PASS
		25	21.20	21.82	20.77	/	3.00	24.20	24.82	23.77	33.01	PASS
		50	21.10	21.41	20.76	/	3.00	24.10	24.41	23.76	33.01	PASS
	100	0	20.95	21.76	20.71	/	3.00	23.95	24.76	23.71	33.01	PASS
16QAM	1		20.80	22.32	21.30	/	3.00	23.80	25.32	24.30	33.01	PASS
		50	21.65	22.40	21.52	/	3.00	24.65	25.40	24.52	33.01	PASS
		99	21.50	21.10	21.19	/	3.00	24.50	24.10	24.19	33.01	PASS
	50	0	20.07	21.31	20.01	/	3.00	23.07	24.31	23.01	33.01	PASS
		25	20.53	21.07	20.10	/	3.00	23.53	24.07	23.10	33.01	PASS
		50	20.48	20.77	20.11	/	3.00	23.48	23.77	23.11	33.01	PASS
	100	0	20.29	20.99	19.96	/	3.00	23.29	23.99	22.96	33.01	PASS
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												

2. Frequency stability

2.1 Test Result

Test Band: 41b _ 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	-	-2.5892	-	-0.0059	-0.0010	-0.0039	2.50	PASS
				NV	15.1348	2.5320	12.7745	-0.0051	0.0010	-0.0048	2.50	PASS
				HV	13.0463	1.4734	11.3154	-0.0043	0.0006	-0.0043	2.50	PASS
16QAM	25	0	NT	LV	0.6437	-	-6.6233	0.0003	-0.0087	-0.0025	2.50	PASS
				NV	-8.9836	22.7165	15.2063	-0.0035	0.0024	-0.0057	2.50	PASS
				HV	-4.3344	6.3372	-3.0899	-0.0017	-0.0012	-0.0012	2.50	PASS

Test Band: 41b 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	-3.5620	-1.8597	-2.0313	-0.0014	-0.0007	-0.0008	2.50	PASS
				-20.00	-2.8467	-1.3447	4.6206	-0.0011	-0.0005	0.0017	2.50	PASS
				-10.00	-	-	-	-	-	-	2.50	PASS
					18.7969	-5.2929	-7.4100	-0.0073	-0.0020	-0.0028		
				0.00	-	-	-	-	-	-	2.50	PASS
					12.5456	-5.5361	11.0722	-0.0049	-0.0021	-0.0042		
				10.00	-	-	-	-	-	-	2.50	PASS
					13.6328	10.8862	13.7043	-0.0053	-0.0042	-0.0052		
				20.00	-5.9080	-	-	-0.0023	-0.0071	-0.0044	2.50	PASS
		18.3678	11.7159									
30.00	-4.5919	-5.4359	-	-0.0018	-0.0021	-0.0056	2.50	PASS				
			14.9775									
40.00	-5.6076	-2.6894	-	-0.0022	-0.0010	-0.0058	2.50	PASS				
			15.3923									
50.00	-5.8937	-4.0197	-	-0.0023	-0.0015	-0.0048	2.50	PASS				
			12.6600									
16QAM	25	0	NV	-30.00	-2.2173	-3.2759	-3.1185	-0.0009	-0.0013	-0.0012	2.50	PASS
				-20.00	-	-	-	-	-	-	2.50	PASS
					12.2309	-1.8740	0.0858	-0.0048	-0.0007	0.0000		
				-10.00	-	-	-	-	-	-	2.50	PASS
					12.8174	-1.5593	-4.8208	-0.0050	-0.0006	-0.0018		
				0.00	-8.5974	0.0286	-	-0.0034	0.0000	-0.0048	2.50	PASS
							12.7745					
				10.00	-5.1928	-1.7881	-	-0.0020	-0.0007	-0.0047	2.50	PASS
							12.5599					
20.00	-5.2071	-0.9012	-6.1941	-0.0020	-0.0003	-0.0023	2.50	PASS				
30.00	-6.2799	-2.0027	-3.6478	-0.0025	-0.0008	-0.0014	2.50	PASS				
40.00	-4.9353	-9.1410	-6.8522	-0.0019	-0.0035	-0.0026	2.50	PASS				
50.00	-1.0443	-1.8311	-0.1574	-0.0004	-0.0007	-0.0001	2.50	PASS				

Test Band: 41b_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	-	-4.5490	-4.2486	-0.0047	-0.0017	-0.0016	2.50	PASS
				NV	-7.6103	-3.4189	-9.2697	-0.0030	-0.0013	-0.0035	2.50	PASS
				HV	-5.5361	-0.9727	-	-0.0022	-0.0004	-0.0044	2.50	PASS
16QAM	50	0	NT	LV	-8.0395	-4.9210	-	-0.0031	-0.0019	-0.0061	2.50	PASS
				NV	-7.1812	-9.7704	-	-0.0028	-0.0038	-0.0049	2.50	PASS
				HV	-6.6662	-1.3161	-	-0.0026	-0.0005	-0.0032	2.50	PASS

Test Band: 41b _ 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	-3.3903	0.5436	-4.3058	-0.0013	0.0002	-0.0016	2.50	PASS
				-20.00	-1.2016	-5.3215	-0.7296	-0.0005	-0.0020	-0.0003	2.50	PASS
				-10.00	-6.1798	-4.8637	-5.1785	-0.0024	-0.0019	-0.0020	2.50	PASS
				0.00	-1.2016	-1.7309	-6.4087	-0.0005	-0.0007	-0.0024	2.50	PASS
				10.00	-9.6560	-6.9809	-2.5892	-0.0038	-0.0027	-0.0010	2.50	PASS
				20.00	-7.1383	-3.7336	-8.1682	-0.0028	-0.0014	-0.0031	2.50	PASS
				30.00	-4.8637	-7.8678	-7.1955	-0.0019	-0.0030	-0.0027	2.50	PASS

16QAM	50	0	NV	40.00	-8.9693	-4.4346	-9.5844	-0.0035	-0.0017	-0.0036	2.50	PASS
				50.00	-7.2241	-6.6805	-6.9523	-0.0028	-0.0026	-0.0026	2.50	PASS
				-30.00	-	-3.7050	-7.6675	-0.0045	-0.0014	-0.0029	2.50	PASS
				11.6444	-	-	-	-	-	-	-	-
				-20.00	-	-2.4891	-7.3385	-0.0044	-0.0010	-0.0028	2.50	PASS
				11.3869	-	-	-	-	-	-	-	-
				-10.00	-	-4.3344	-2.4319	-0.0041	-0.0017	-0.0009	2.50	PASS
				10.5858	-	-	-	-	-	-	-	-
				0.00	-4.9496	-3.2187	-9.1267	-0.0019	-0.0012	-0.0034	2.50	PASS
				10.00	-9.9278	-5.0354	-5.7650	-0.0039	-0.0019	-0.0022	2.50	PASS
				20.00	-3.2473	-6.9380	-3.2473	-0.0013	-0.0027	-0.0012	2.50	PASS
				30.00	-1.6737	-2.3174	-	-0.0007	-0.0009	-0.0049	2.50	PASS
				40.00	-4.1771	-0.1287	-2.4033	-0.0016	0.0000	-0.0009	2.50	PASS
				50.00	-8.6975	-7.1526	-3.3617	-0.0034	-0.0027	-0.0013	2.50	PASS

Test Band: 41b _ 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	-8.3399	-	-6.5660	-0.0033	-0.0053	-0.0025	2.50	PASS
				NV	-1.4162	-4.4632	-1.3161	-0.0006	-0.0017	-0.0005	2.50	PASS
				HV	-2.2602	-3.8338	-3.3903	-0.0009	-0.0015	-0.0013	2.50	PASS
16QAM	75	0	NT	LV	-4.9925	-7.1383	-2.2888	-0.0019	-0.0027	-0.0009	2.50	PASS
				NV	-	-1.8740	-2.8181	-0.0053	-0.0007	-0.0011	2.50	PASS
				HV	14.5340	-1.8883	-3.6764	-0.0057	-0.0007	-0.0014	2.50	PASS

Test Band: 41b _ 15MHz Bandwidth (Frequency Error VS. Temperature)												
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	NV	-30.00	-1.2016	-2.7466	-6.0654	-0.0005	-0.0011	-0.0023	2.50	PASS
				-20.00	-4.8208	-4.3344	-7.3814	-0.0019	-0.0017	-0.0028	2.50	PASS
				-10.00	-1.7309	-7.1526	-3.0756	-0.0007	-0.0027	-0.0012	2.50	PASS
				0.00	-2.5892	-1.9741	-2.6178	-0.0010	-0.0008	-0.0010	2.50	PASS
				10.00	-5.2214	-7.8249	-6.8522	-0.0020	-0.0030	-0.0026	2.50	PASS
				20.00	-2.4748	-4.5776	-4.2343	-0.0010	-0.0018	-0.0016	2.50	PASS
				30.00	-5.0211	-5.0354	-3.1900	-0.0020	-0.0019	-0.0012	2.50	PASS
				40.00	-2.6751	-5.0640	-5.3358	-0.0010	-0.0019	-0.0020	2.50	PASS
				50.00	-2.1601	-2.7466	-1.5020	-0.0008	-0.0011	-0.0006	2.50	PASS
16QAM	75	0	NV	-30.00	-2.0170	-5.5790	-3.6192	-0.0008	-0.0021	-0.0014	2.50	PASS
				-20.00	0.1287	-8.2970	-0.3719	0.0001	-0.0032	-0.0001	2.50	PASS
				-10.00	1.5306	-6.2942	-0.4435	0.0006	-0.0024	-0.0002	2.50	PASS
				0.00	-1.0157	-6.0797	-0.6580	-0.0004	-0.0023	-0.0002	2.50	PASS
				10.00	-1.6451	-2.7323	-2.3746	-0.0006	-0.0010	-0.0009	2.50	PASS
				20.00	-3.5477	-2.4176	-1.1158	-0.0014	-0.0009	-0.0004	2.50	PASS
				30.00	0.8440	-1.5879	-1.8740	0.0003	-0.0006	-0.0007	2.50	PASS
				40.00	-1.0014	-4.1914	-1.3304	-0.0004	-0.0016	-0.0005	2.50	PASS
				50.00	-0.8726	-2.7752	-9.7275	-0.0003	-0.0011	-0.0037	2.50	PASS

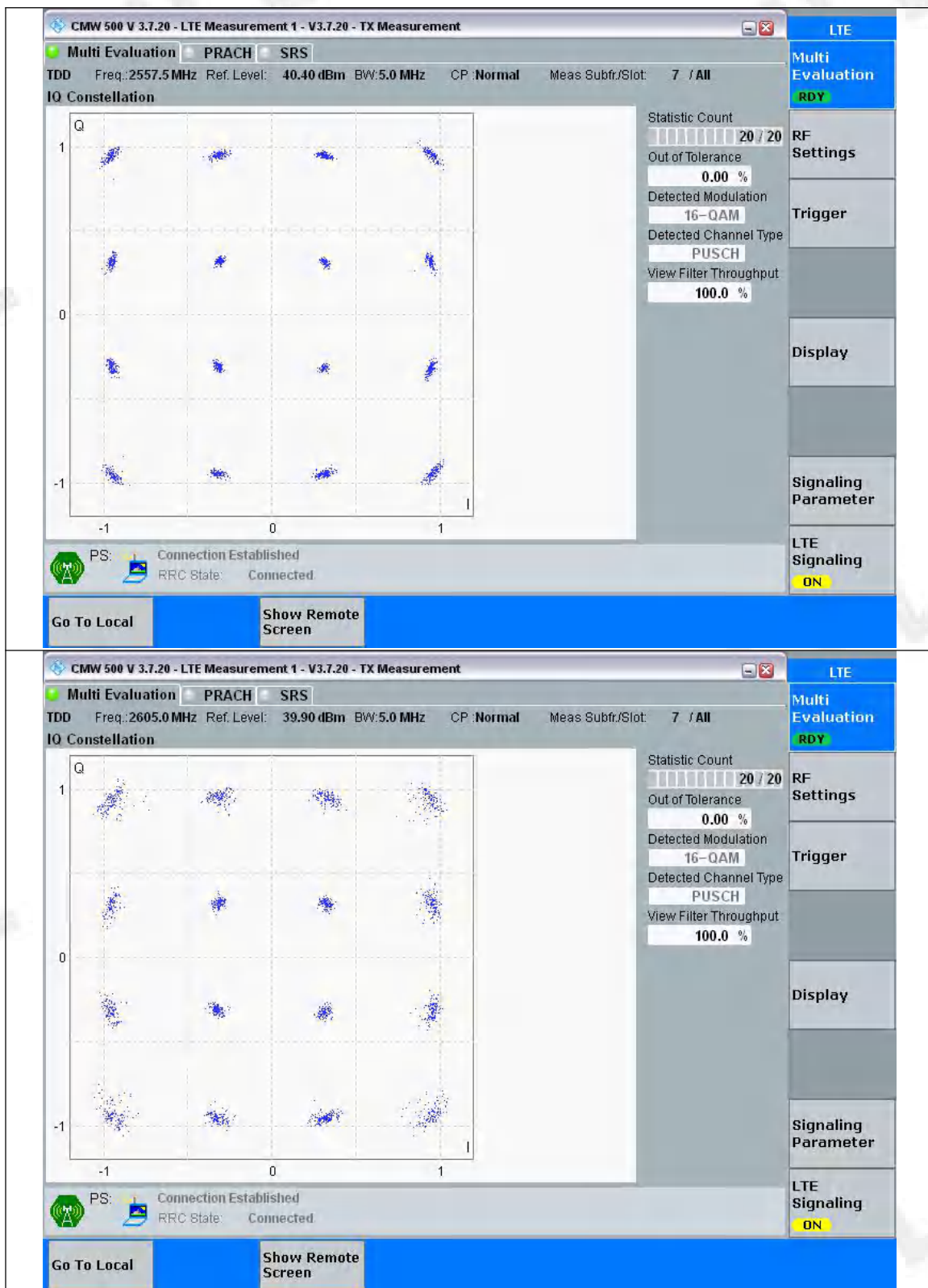
Test Band: 41b _ 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	-	-5.5647	-	-0.0047	-0.0021	-0.0097	2.50	PASS
					12.0878		25.5632					

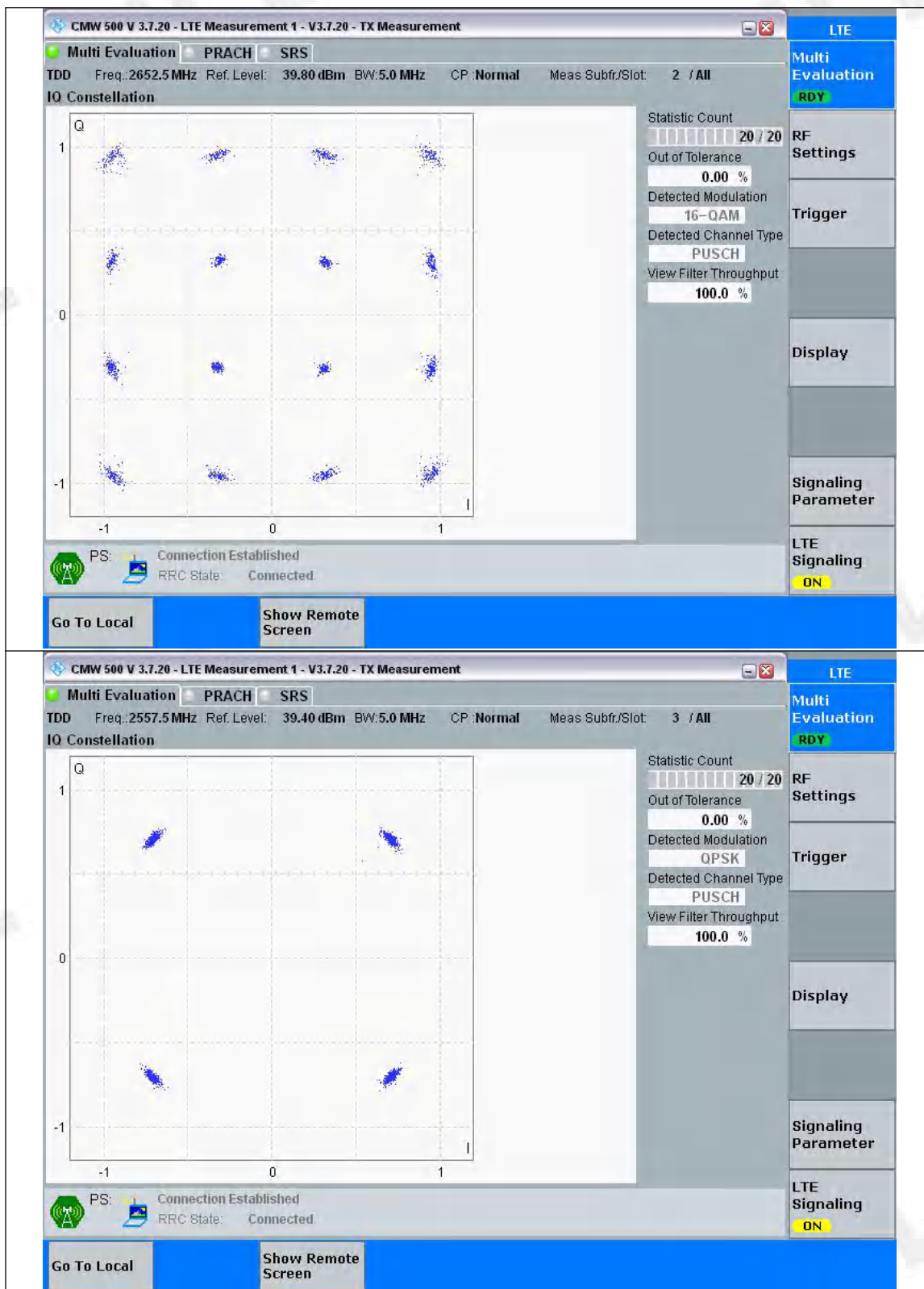
16QAM	100	0	NT	NV	-3.6907	-6.9809	-	-0.0014	-0.0027	-0.0047	2.50	PASS
				HV	-3.9625	-8.1110	-7.8392	-0.0015	-0.0031	-0.0030	2.50	PASS
				LV	-0.1860	-3.9053	-4.8494	-0.0001	-0.0015	-0.0018	2.50	PASS
				NV	-3.0613	-3.0184	-	-0.0012	-0.0012	-0.0038	2.50	PASS
				HV	-1.9026	-6.2799	-7.6246	-0.0007	-0.0024	-0.0029	2.50	PASS

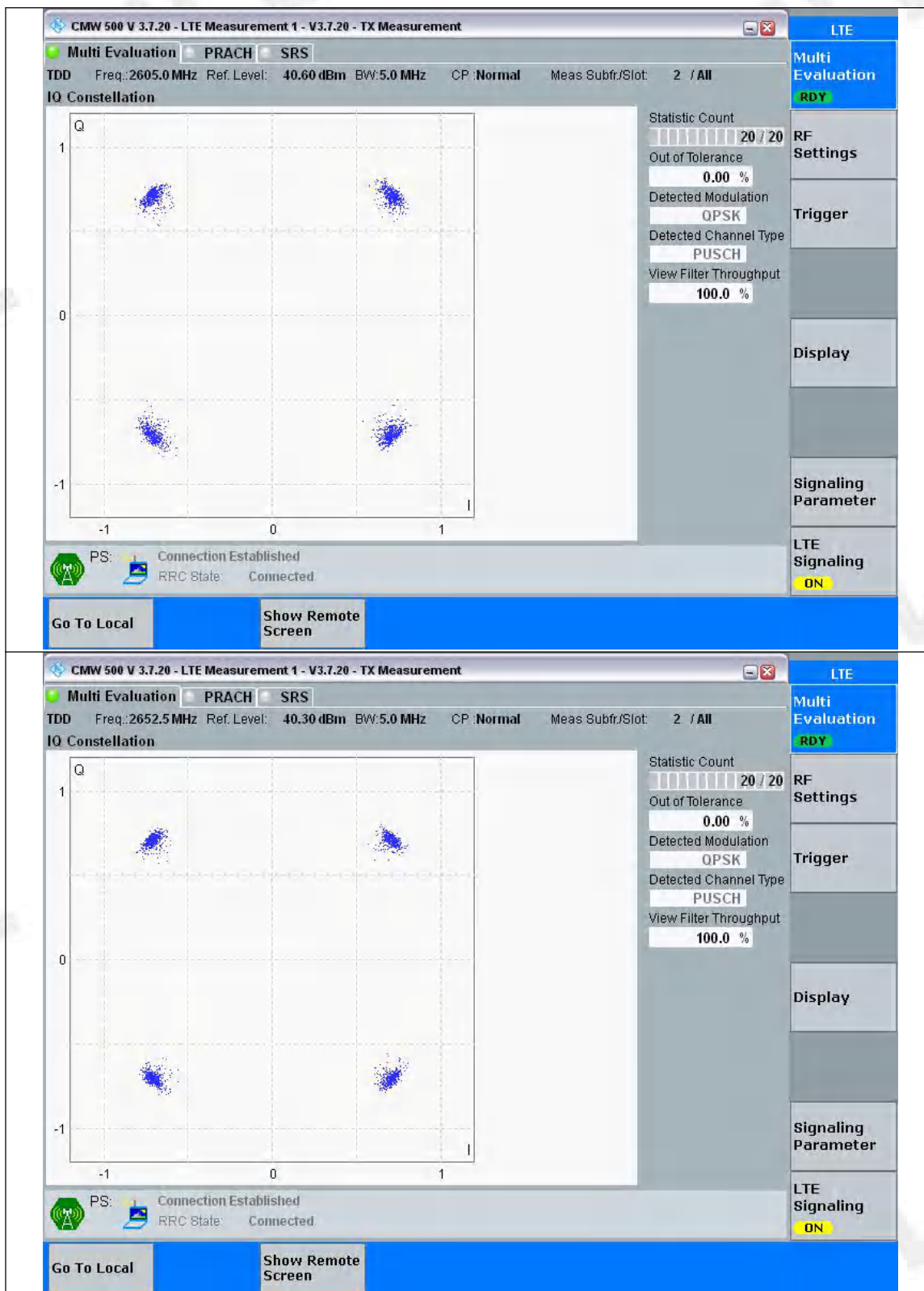
Test Band: 41b 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	-7.2527	-5.7077	-	-0.0028	-0.0022	-0.0041	2.50	PASS
				-20.00	-6.5947	-7.6818	-	-0.0026	-0.0029	-0.0067	2.50	PASS
				-10.00	-6.2799	-6.6519	-	-0.0024	-0.0026	-0.0058	2.50	PASS
				0.00	-4.3344	-	-	-0.0017	-0.0045	-0.0045	2.50	PASS
				10.00	-5.3501	-7.5817	-9.0122	-0.0021	-0.0029	-0.0034	2.50	PASS
				20.00	-6.8808	-8.6546	-3.7336	-0.0027	-0.0033	-0.0014	2.50	PASS
				30.00	-4.4346	-	-7.9823	-0.0017	-0.0040	-0.0030	2.50	PASS
				40.00	-4.0340	-8.3685	-8.5974	-0.0016	-0.0032	-0.0033	2.50	PASS
				50.00	-5.2357	-8.1396	-	-0.0020	-0.0031	-0.0060	2.50	PASS
16QAM	100	0	NV	-30.00	-3.7479	-9.4414	-	-0.0015	-0.0036	-0.0039	2.50	PASS
				-20.00	-5.9080	-2.6178	-	-0.0023	-0.0010	-0.0039	2.50	PASS
				-10.00	-2.7752	-5.1355	-9.1410	-0.0011	-0.0020	-0.0035	2.50	PASS
				0.00	-1.5593	-5.1641	-6.5804	-0.0006	-0.0020	-0.0025	2.50	PASS
				10.00	0.1001	-4.5204	-7.6962	0.0000	-0.0017	-0.0029	2.50	PASS
				20.00	-1.1444	-4.2772	-	-0.0004	-0.0016	-0.0043	2.50	PASS
				30.00	-3.4475	-4.8780	-9.3269	-0.0013	-0.0019	-0.0035	2.50	PASS
				40.00	-5.5647	-3.8052	-4.8780	-0.0022	-0.0015	-0.0018	2.50	PASS
				50.00	-4.4203	-4.1485	-8.2684	-0.0017	-0.0016	-0.0031	2.50	PASS

3. Modulation Characteristics

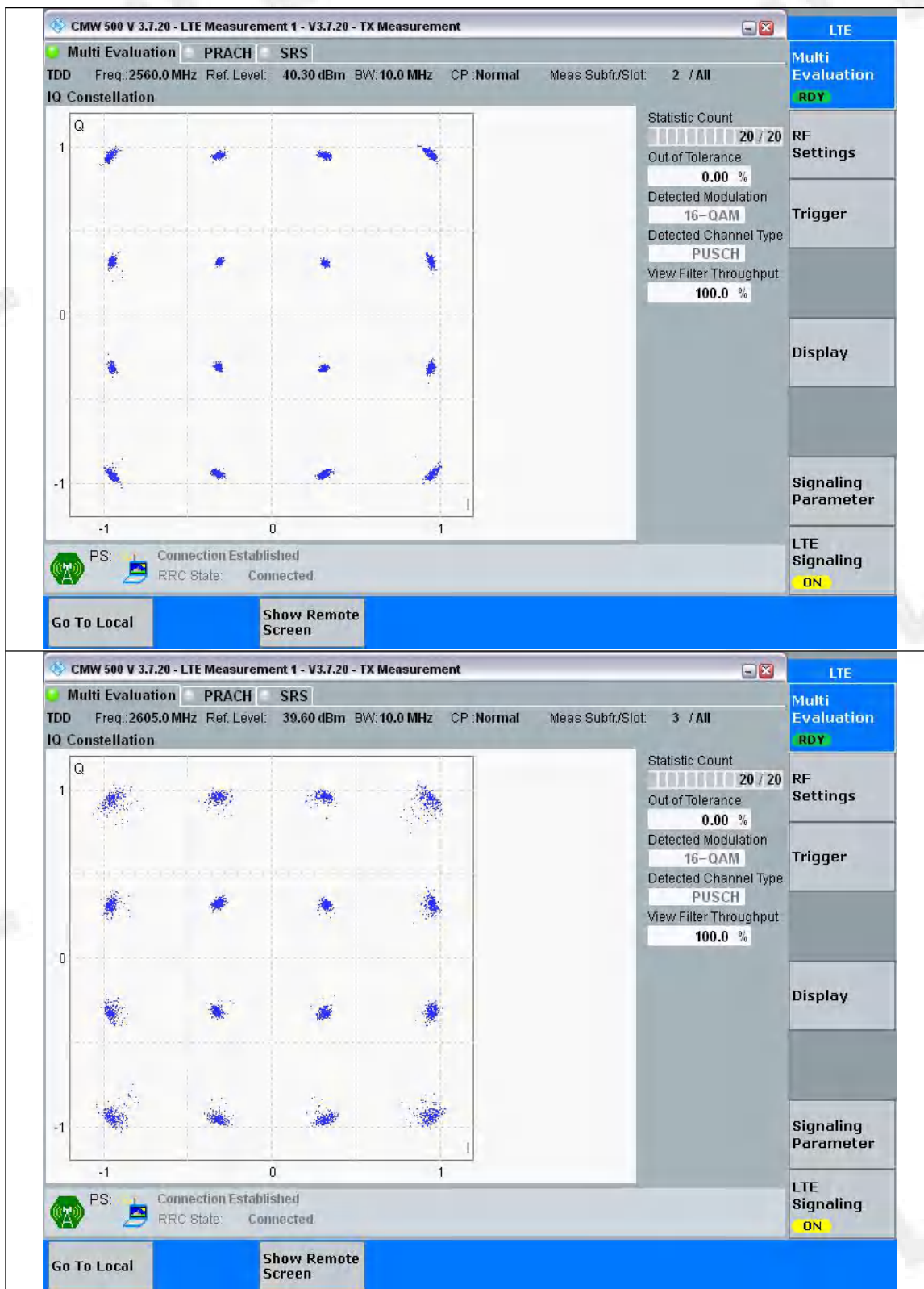
3.1 Test Graph

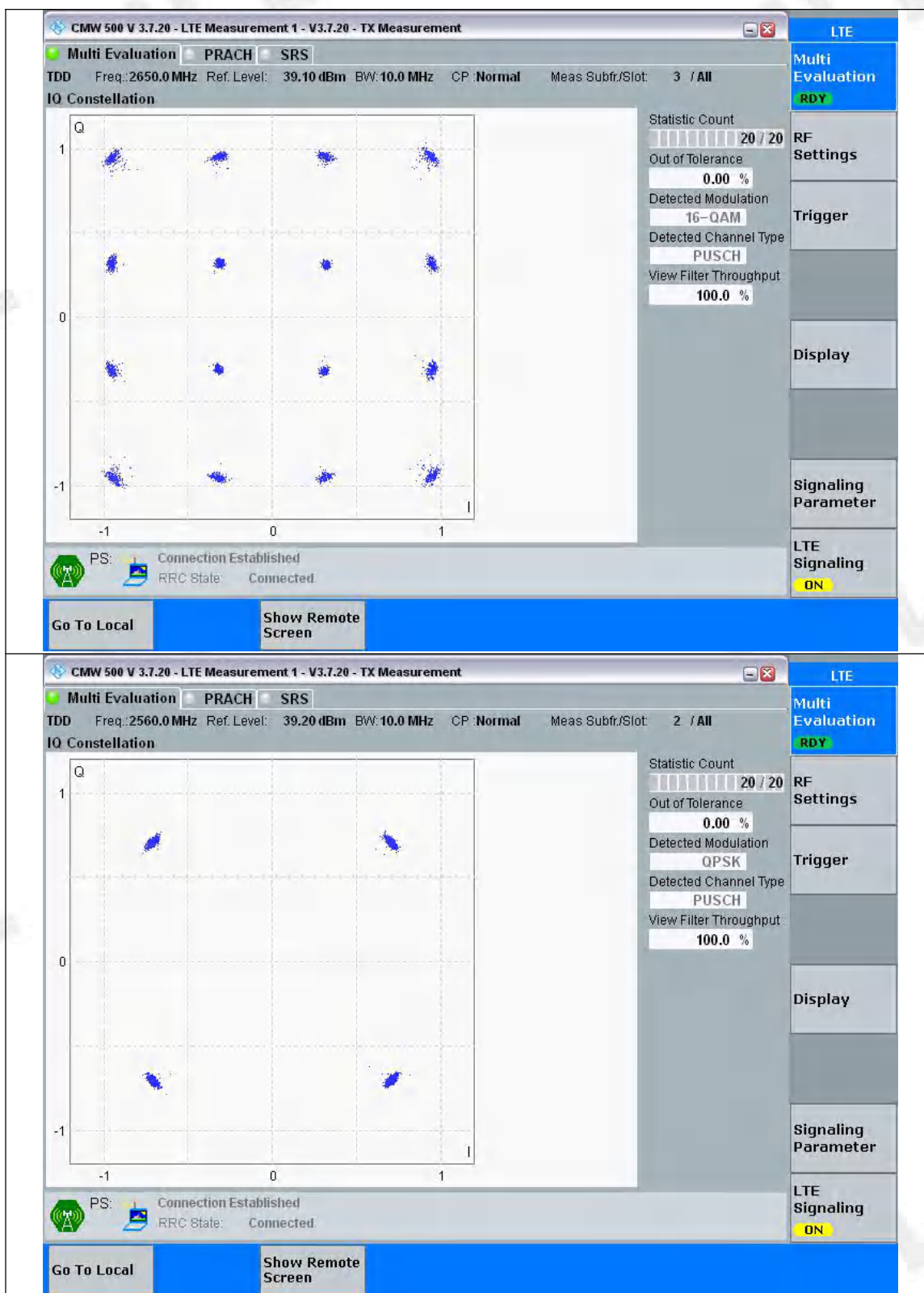


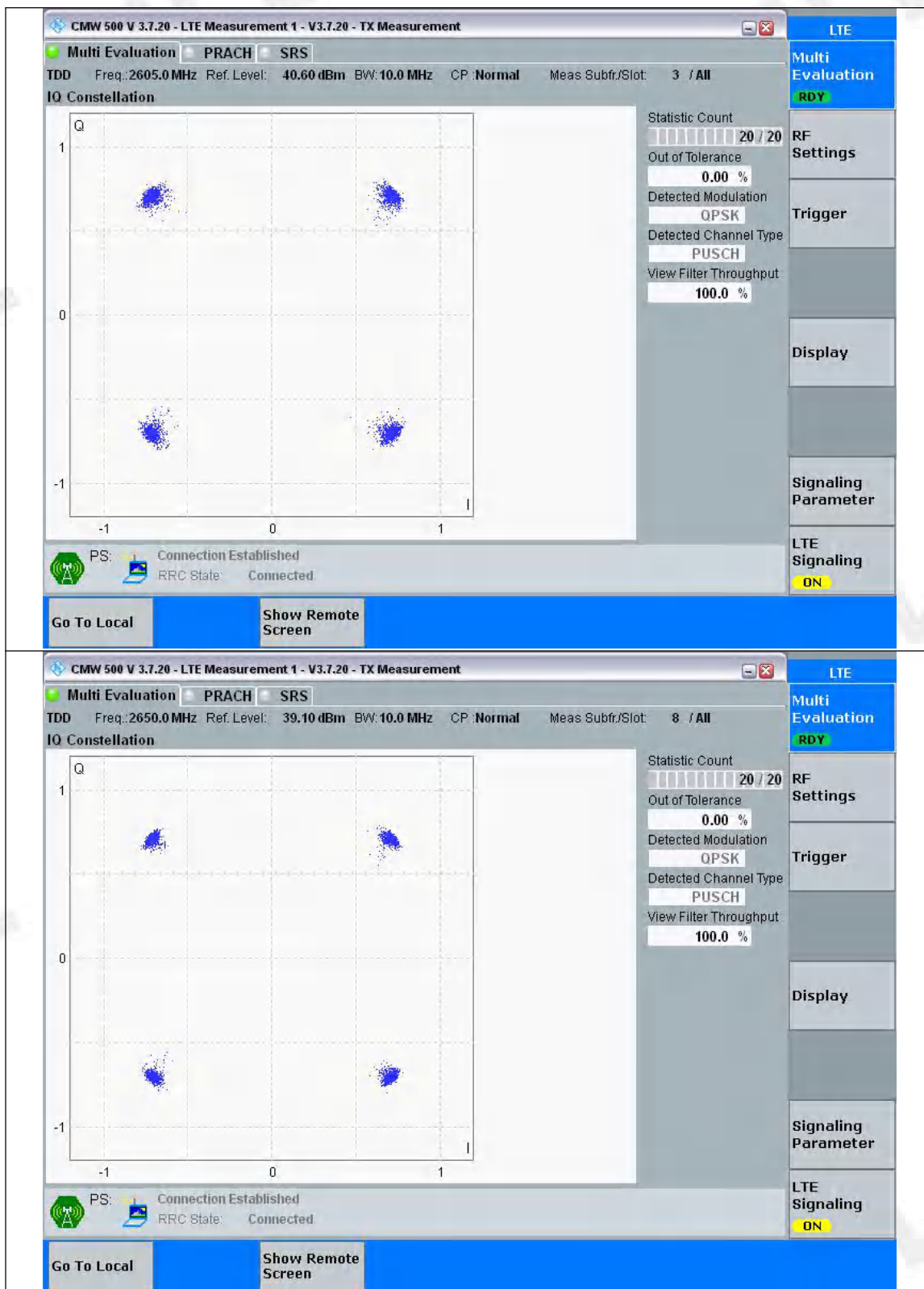




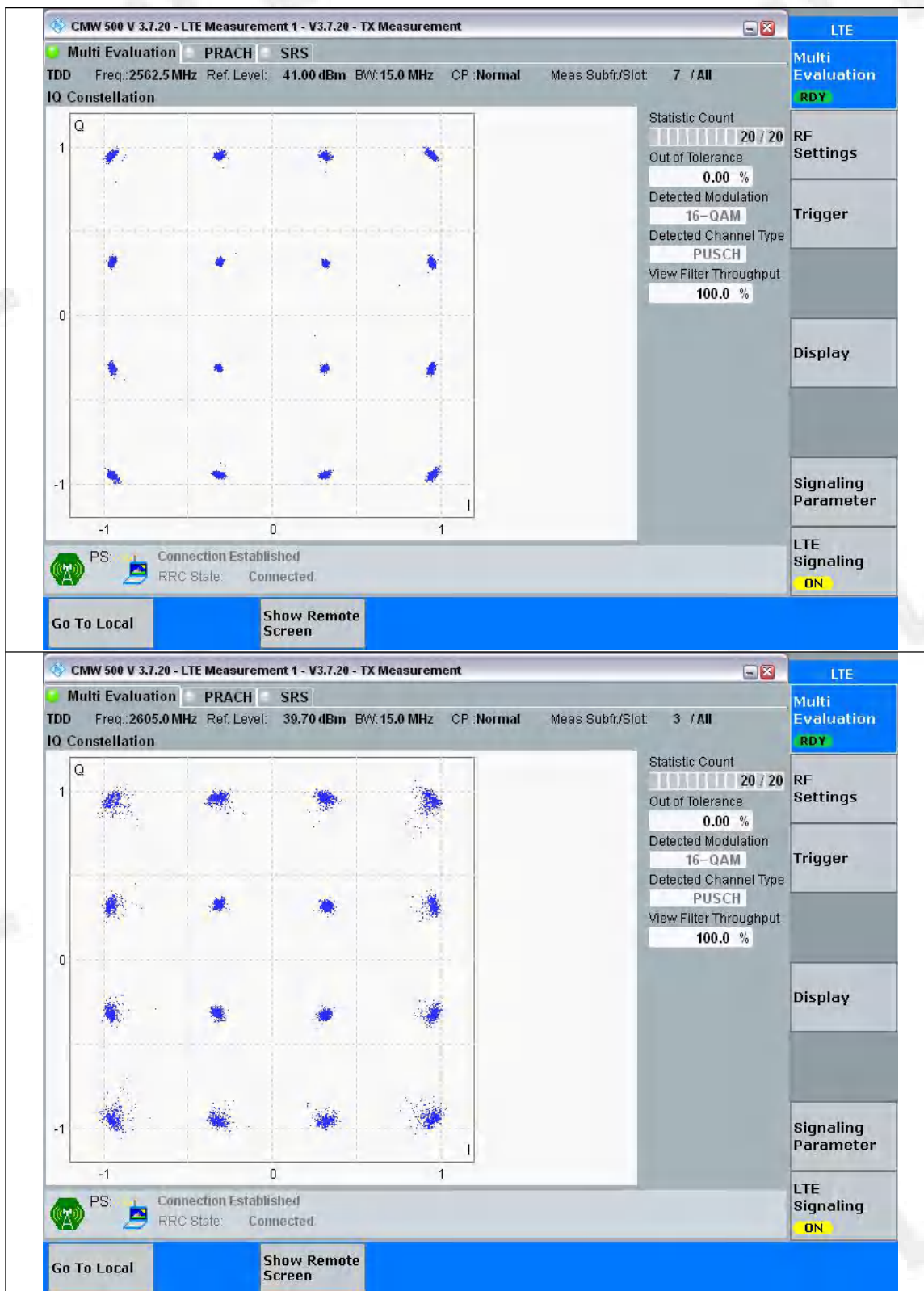
3.1 Test Graph

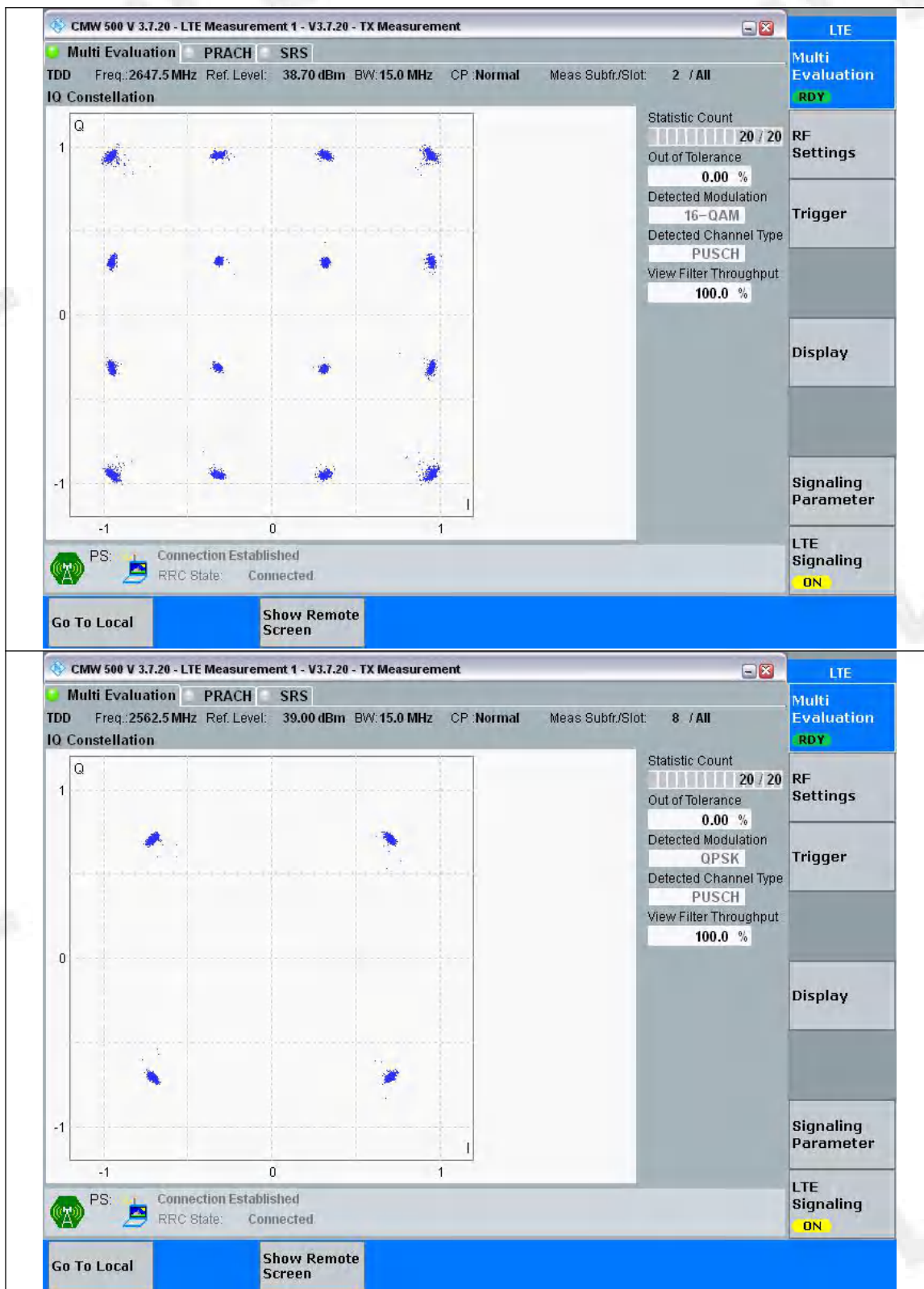


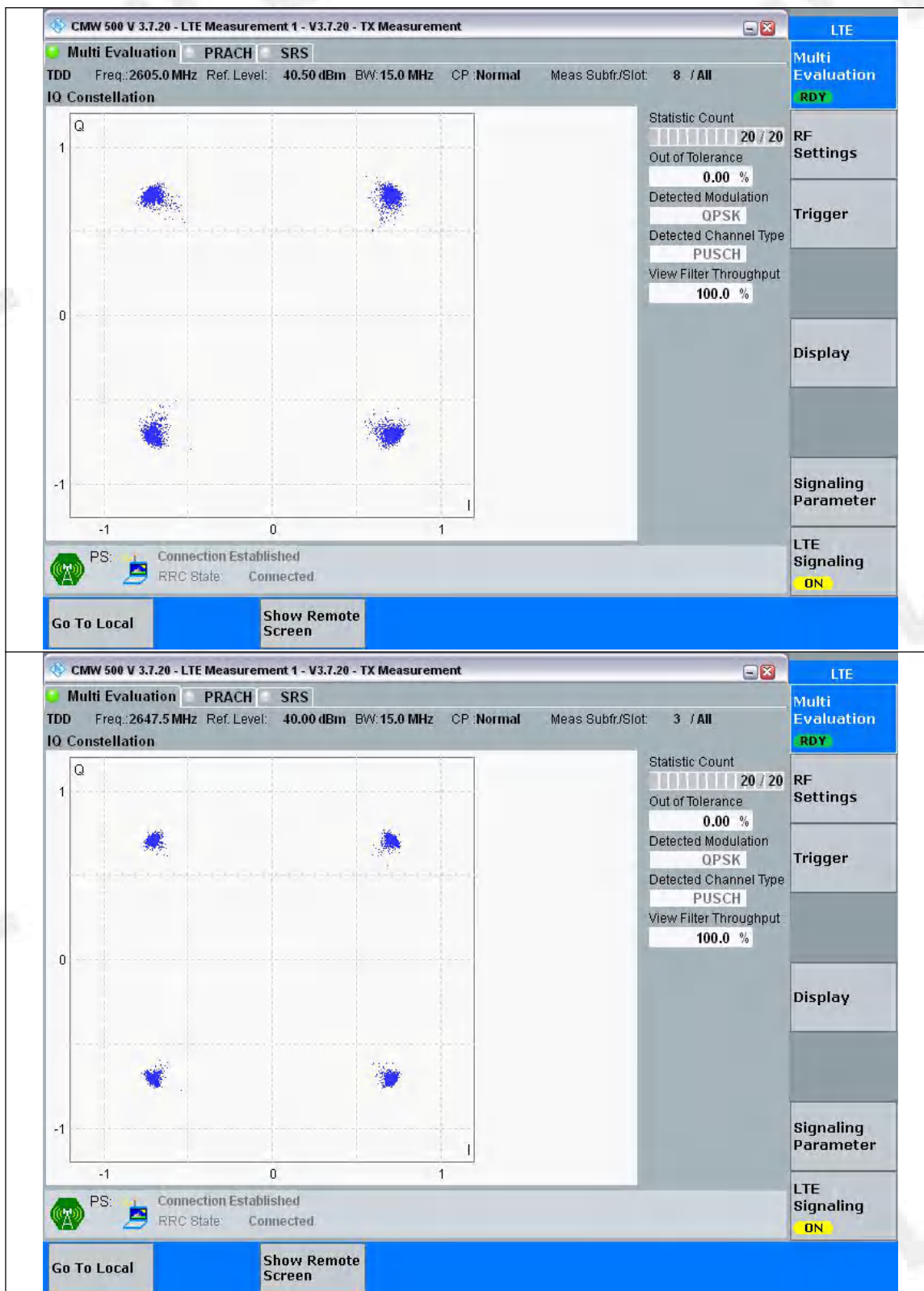




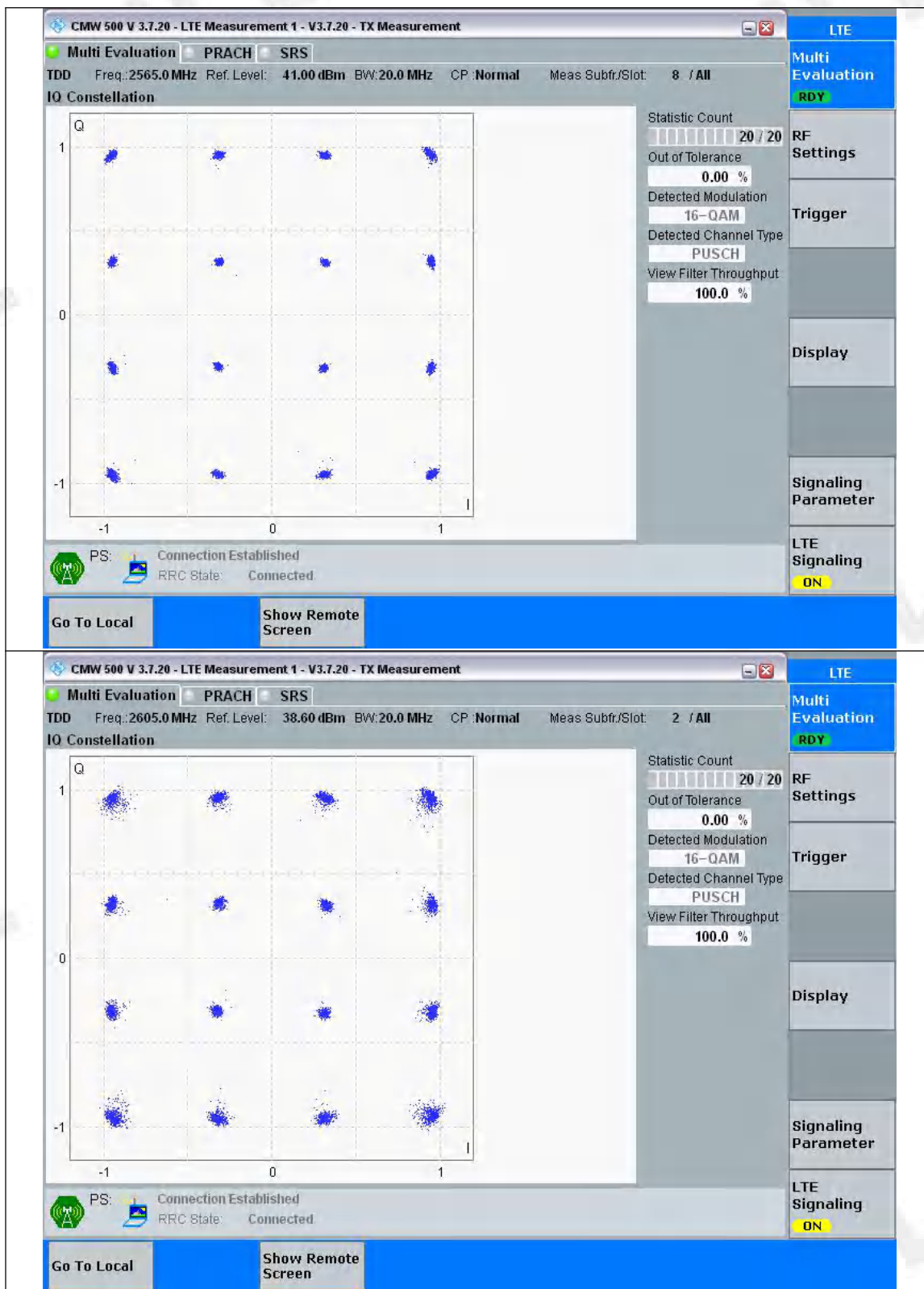
3.1 Test Graph

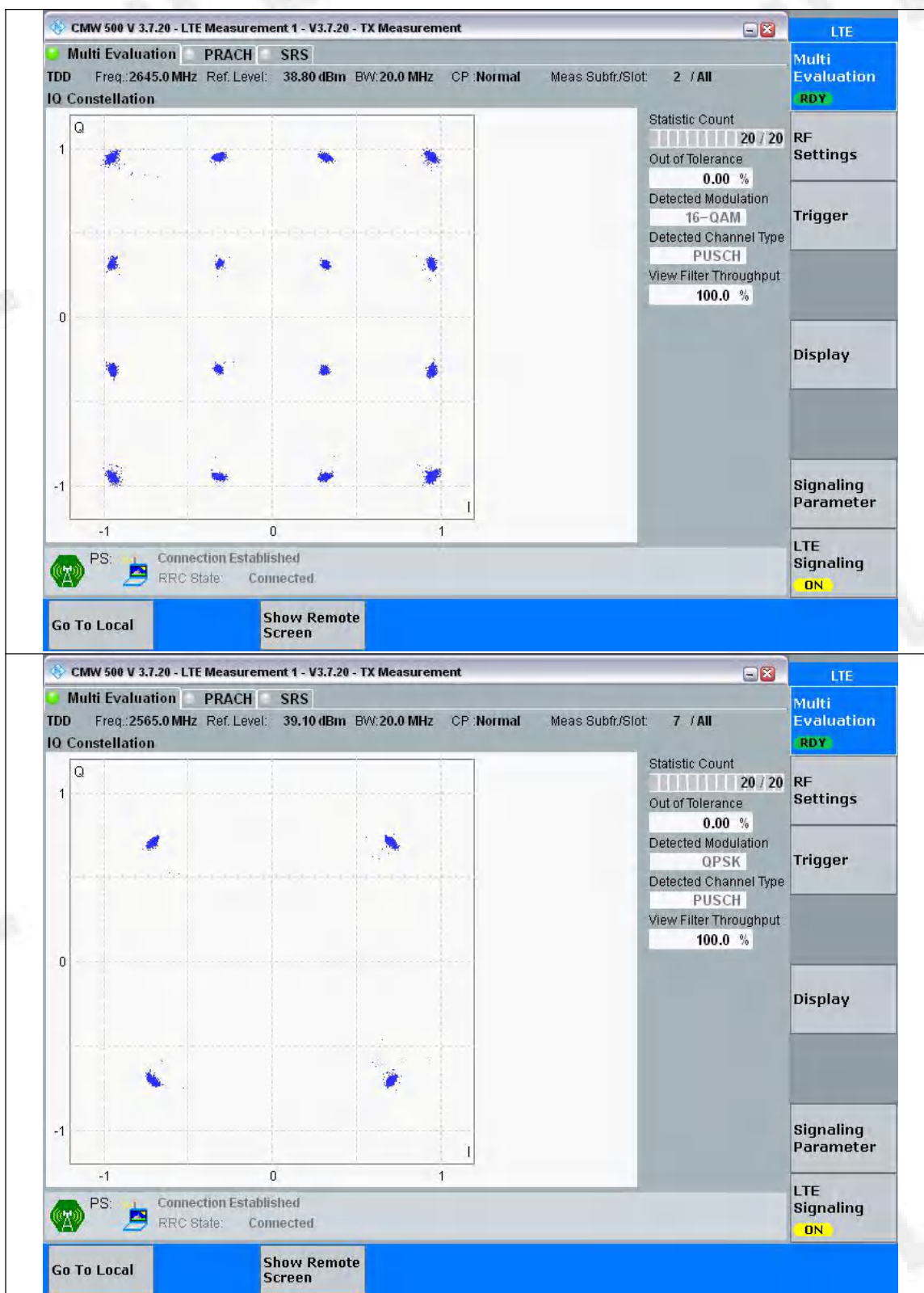


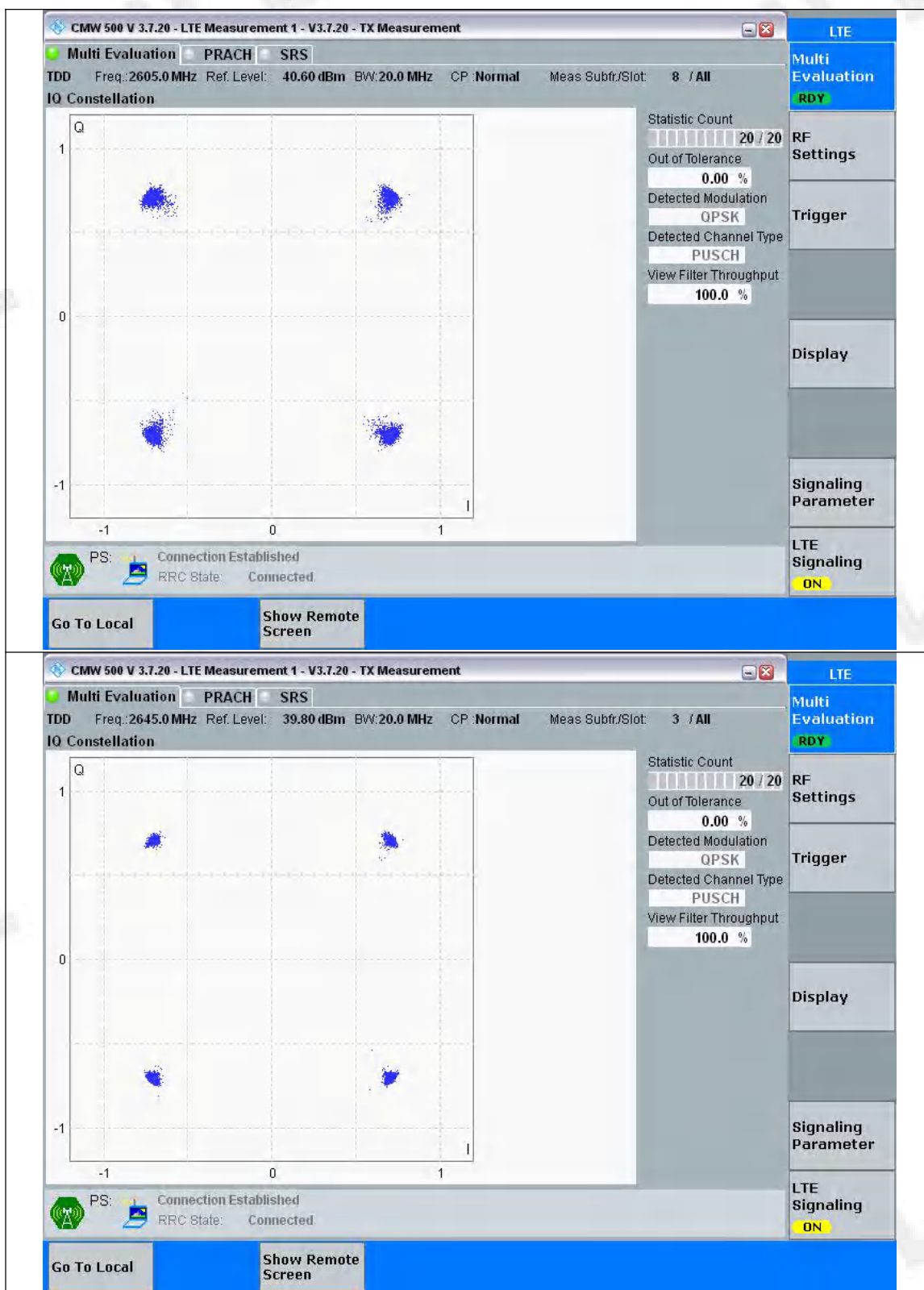




3.1 Test Graph





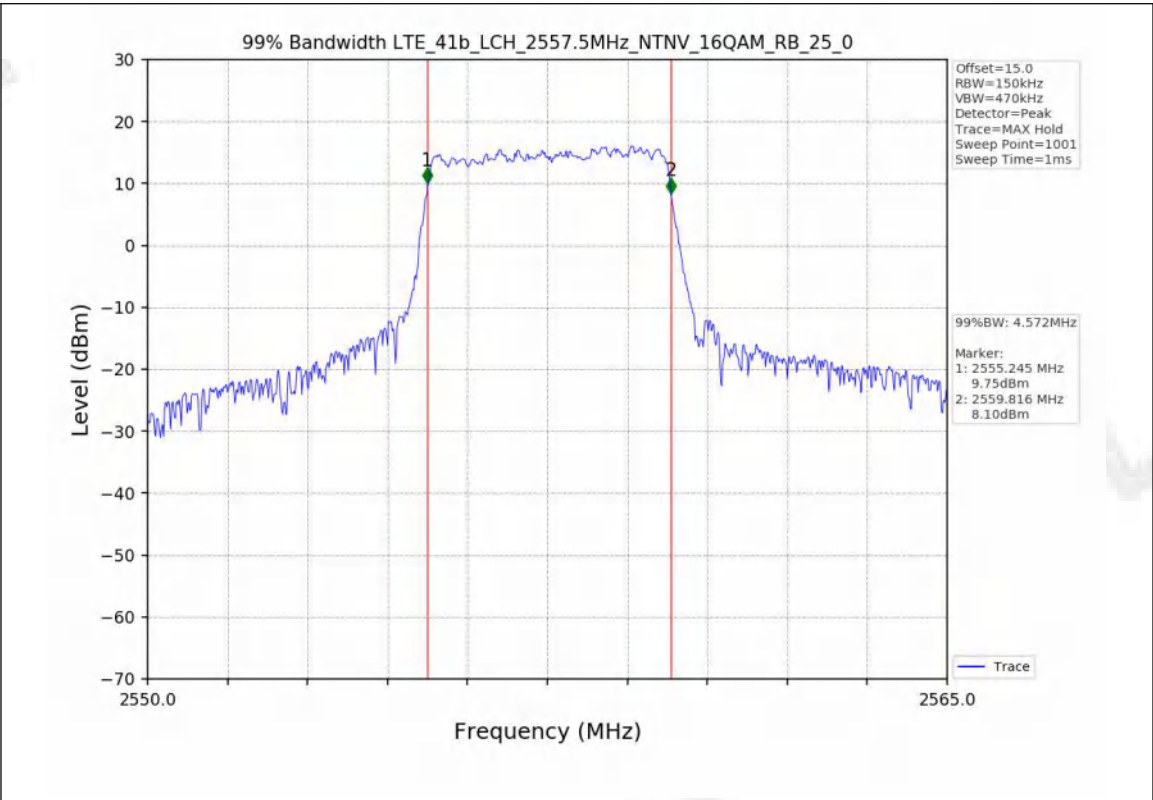


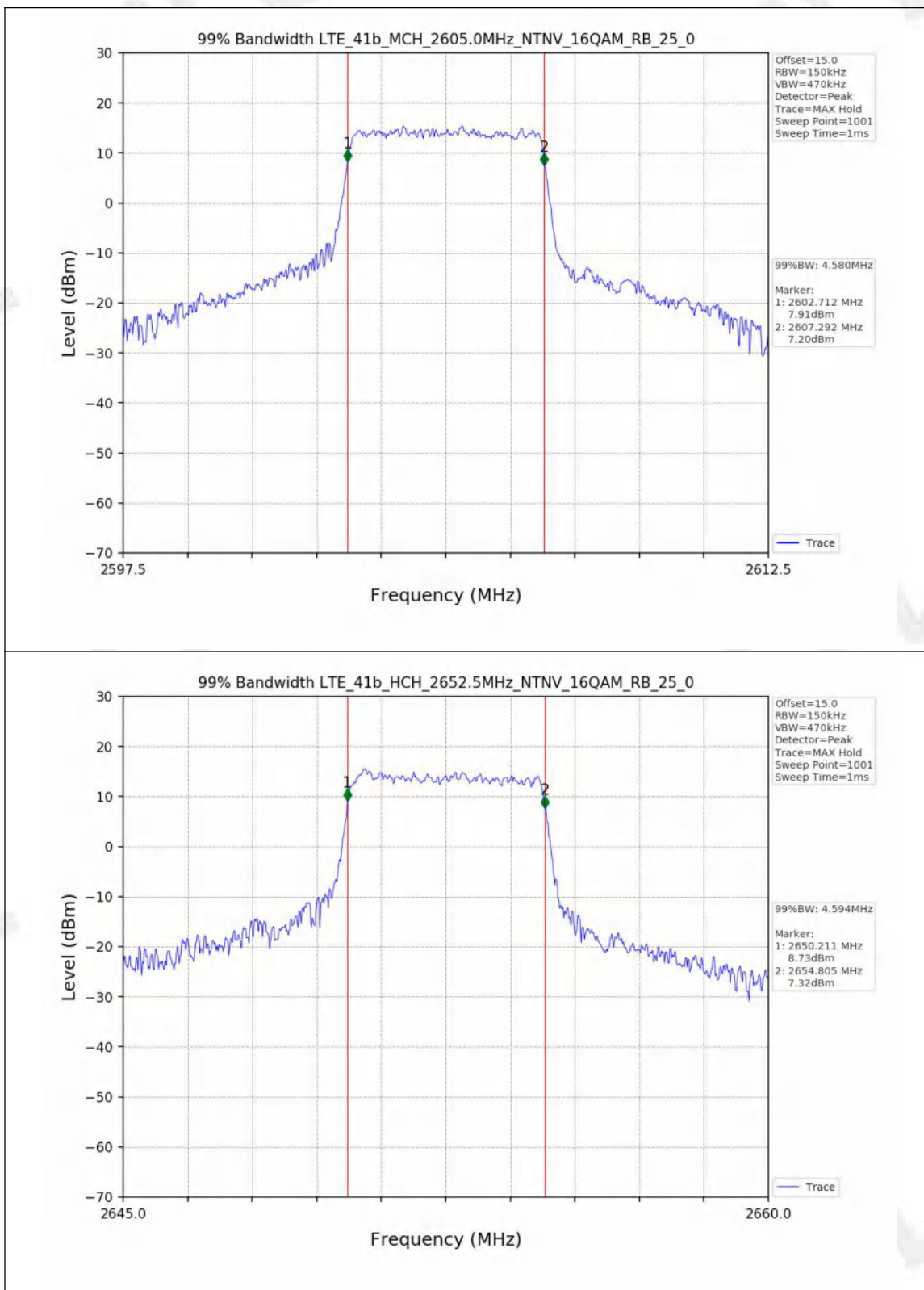
4. 99% & 26dB Bandwidth

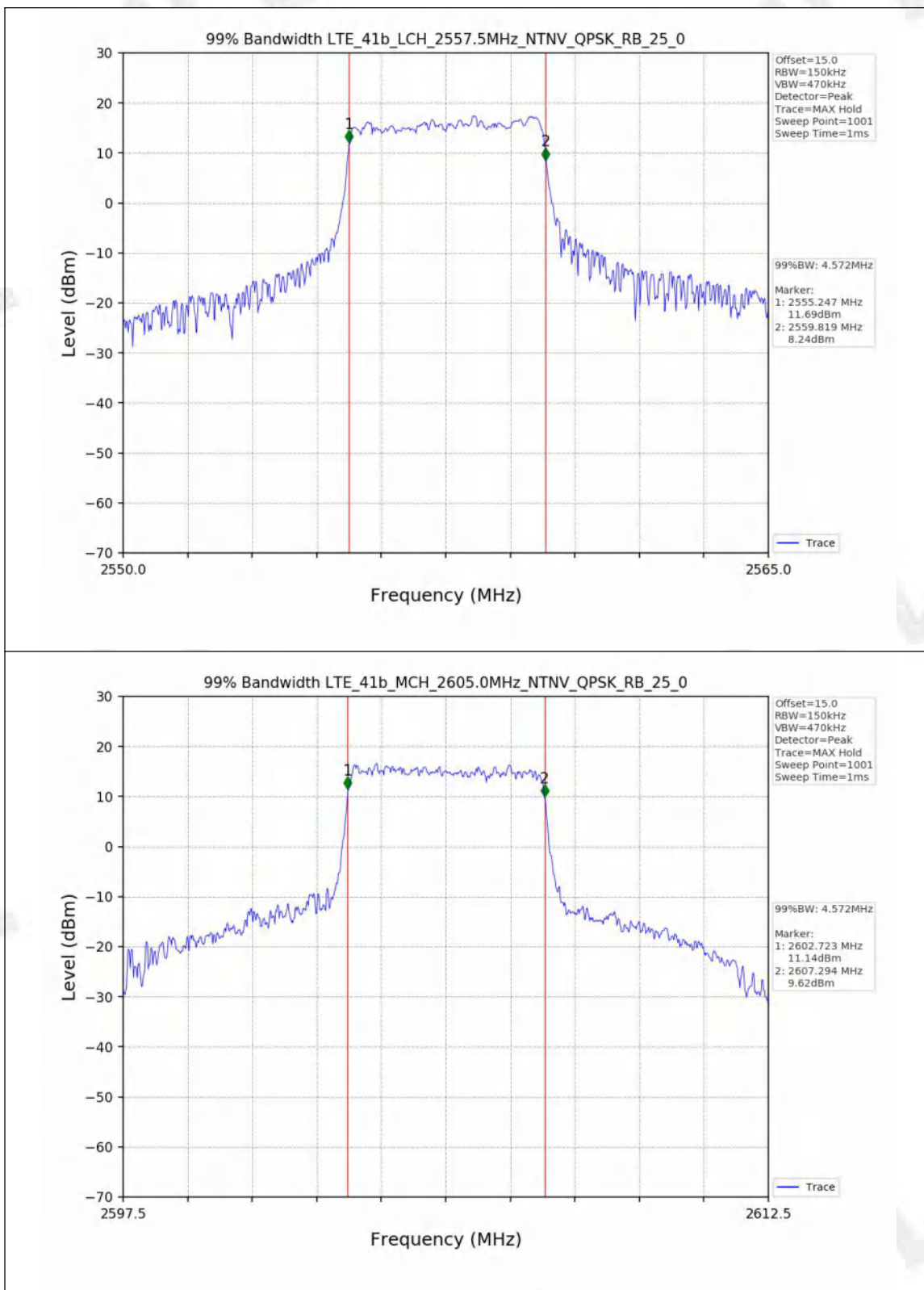
4.1 Test Result

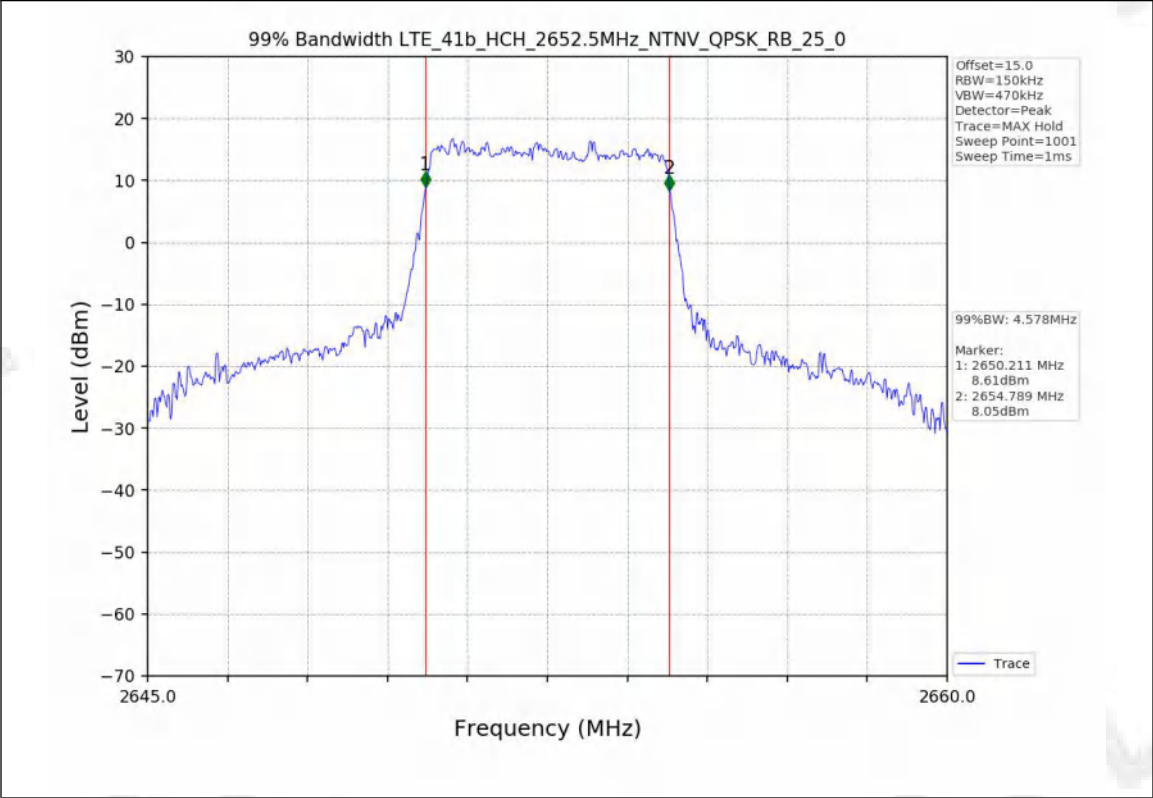
Test Band: 41b_5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.572	4.572	4.578	N/A	PASS
16QAM	25	0	4.572	4.580	4.594	N/A	PASS

4.2 Test Graph



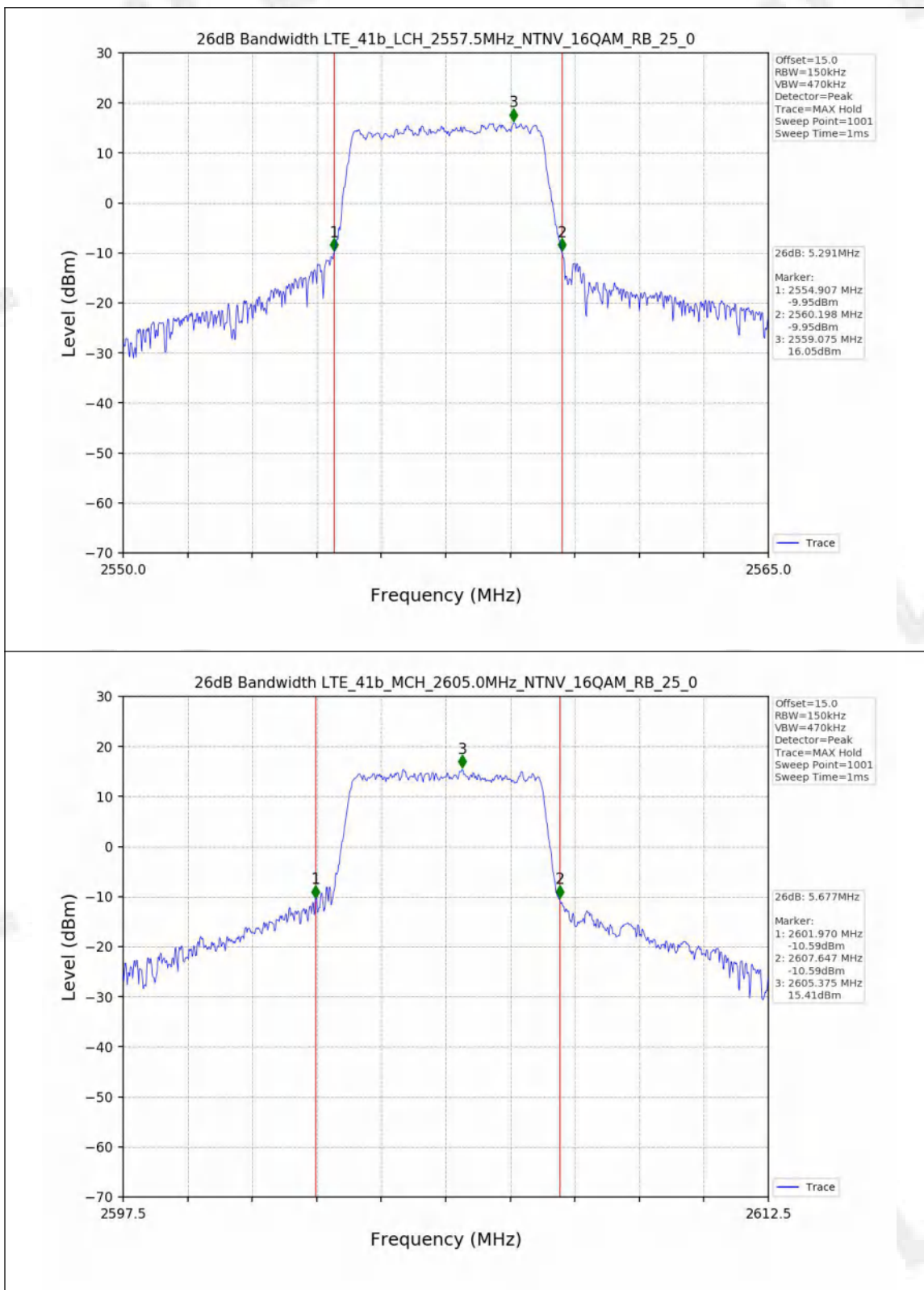


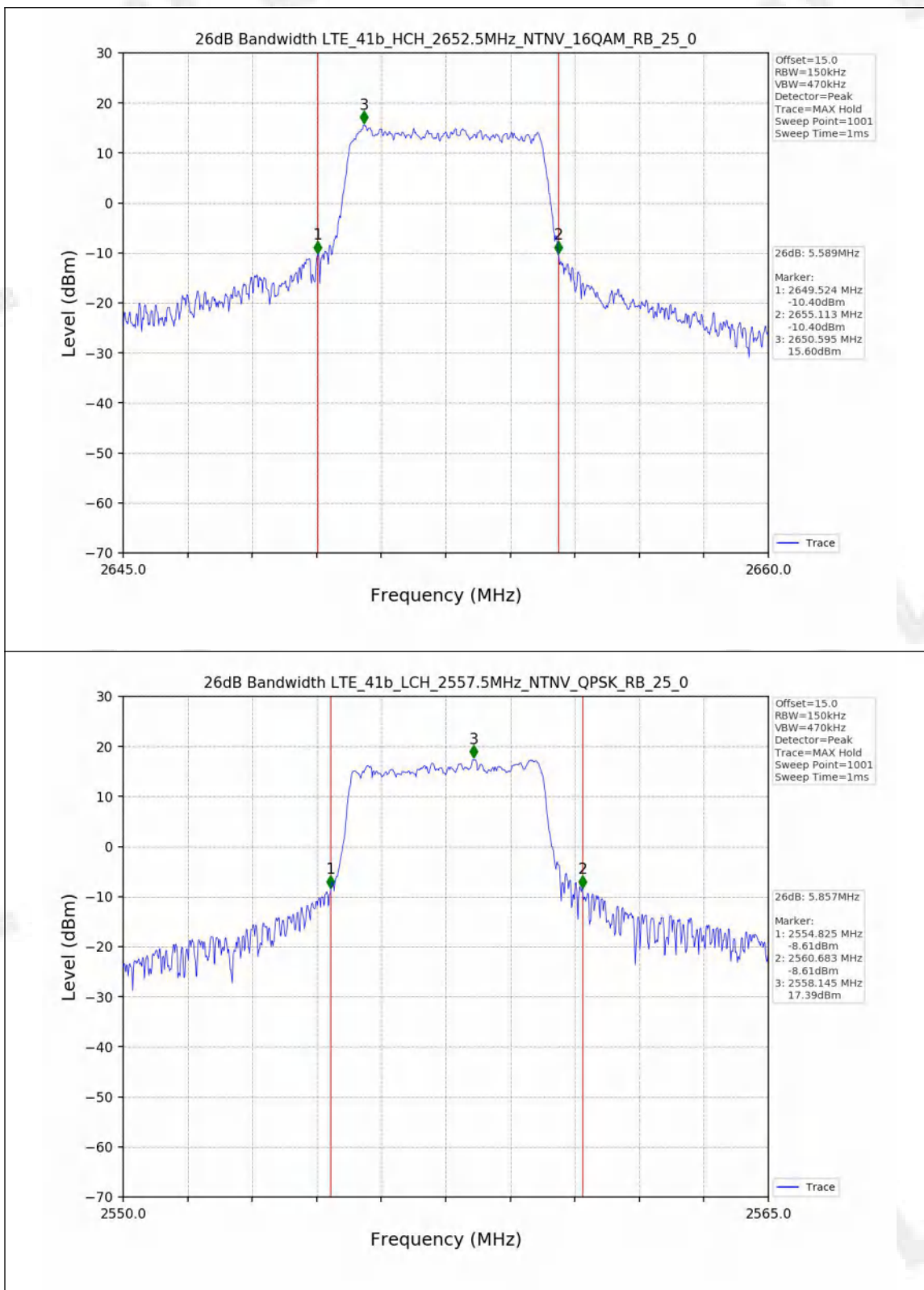


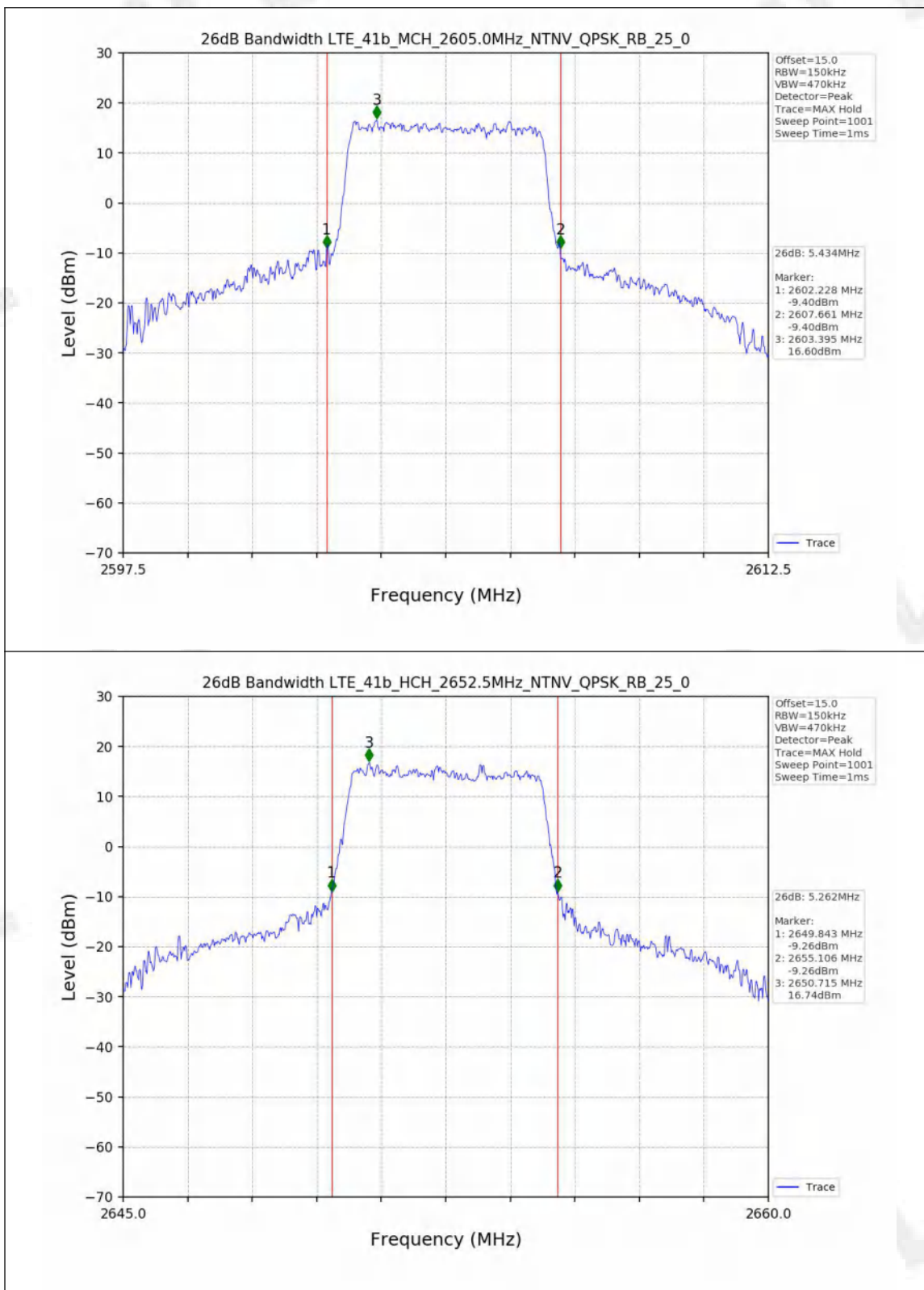


Test Band: 41b_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.857	5.434	5.262	N/A	PASS
16QAM	25	0	5.291	5.677	5.589	N/A	PASS

4.2 Test Graph





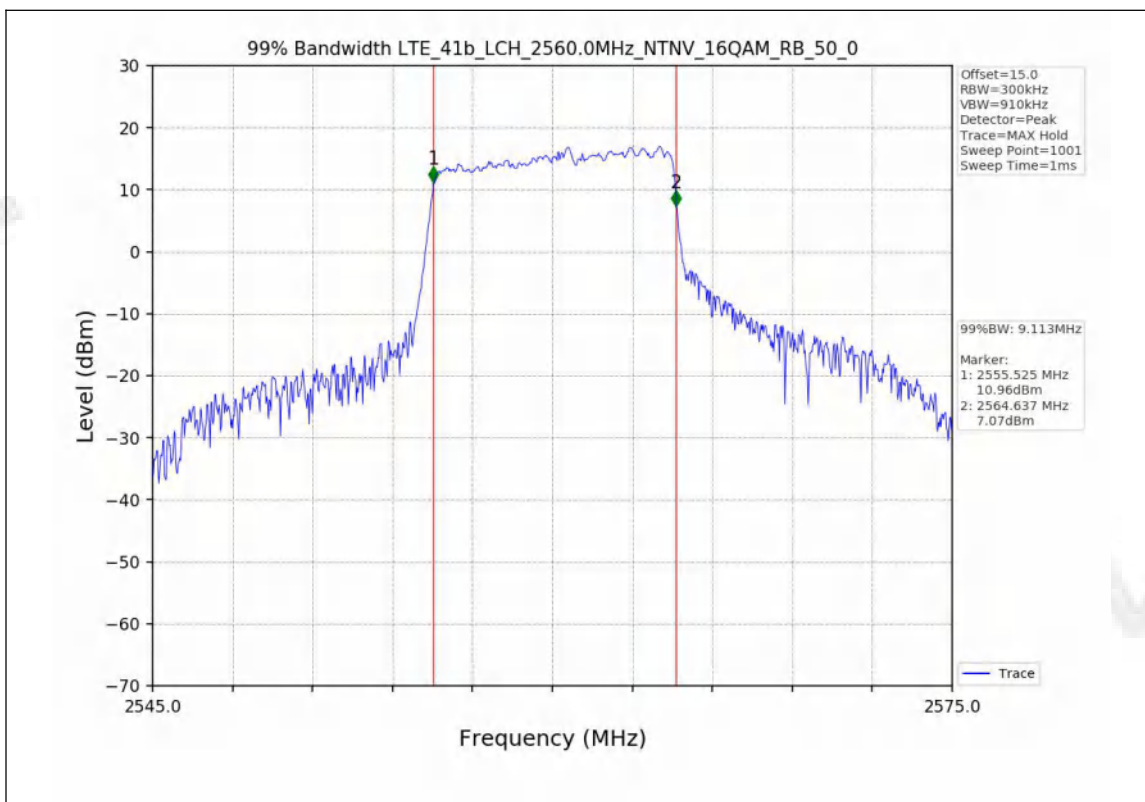


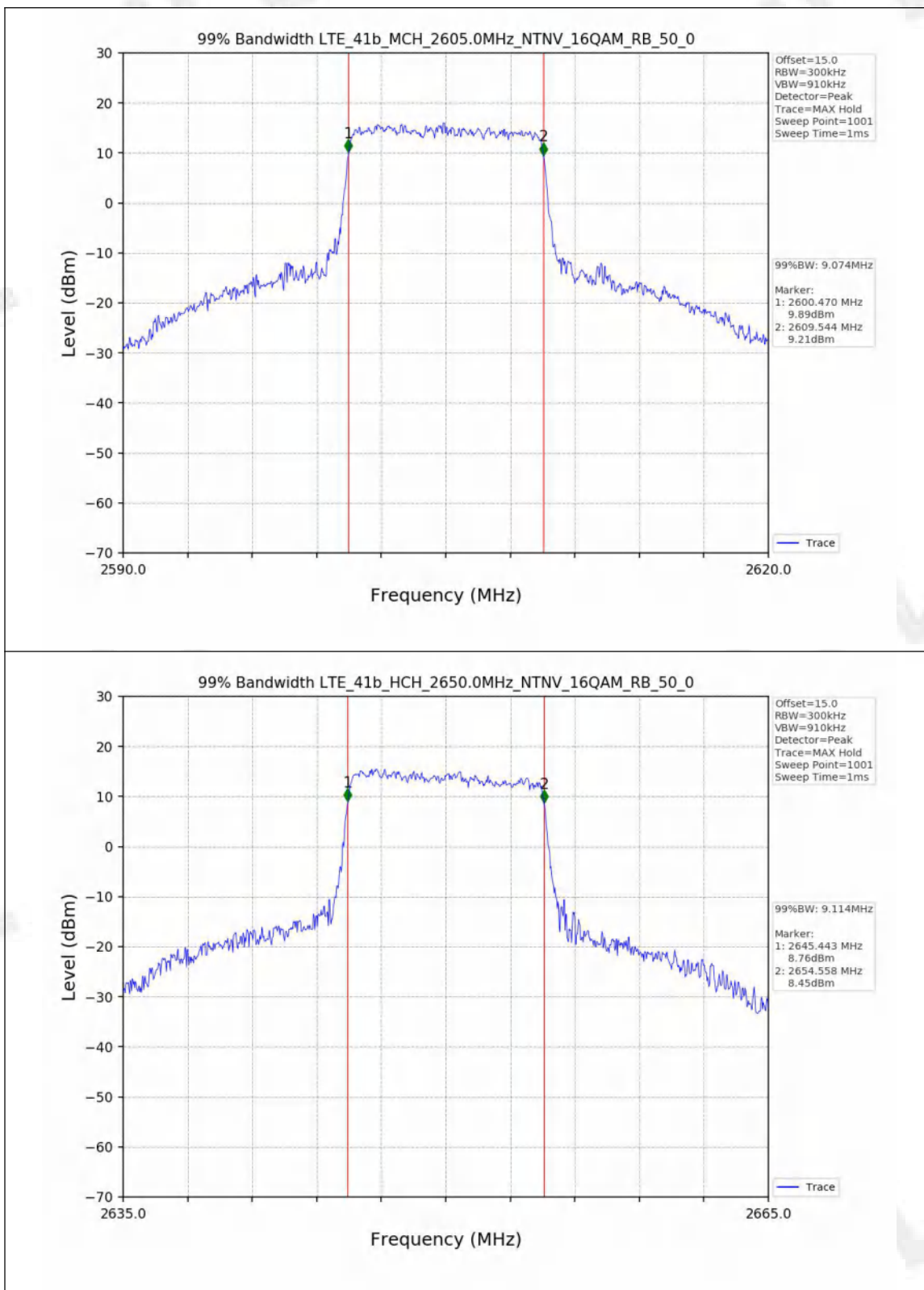
Test Band: 41b_10MHz Bandwidth

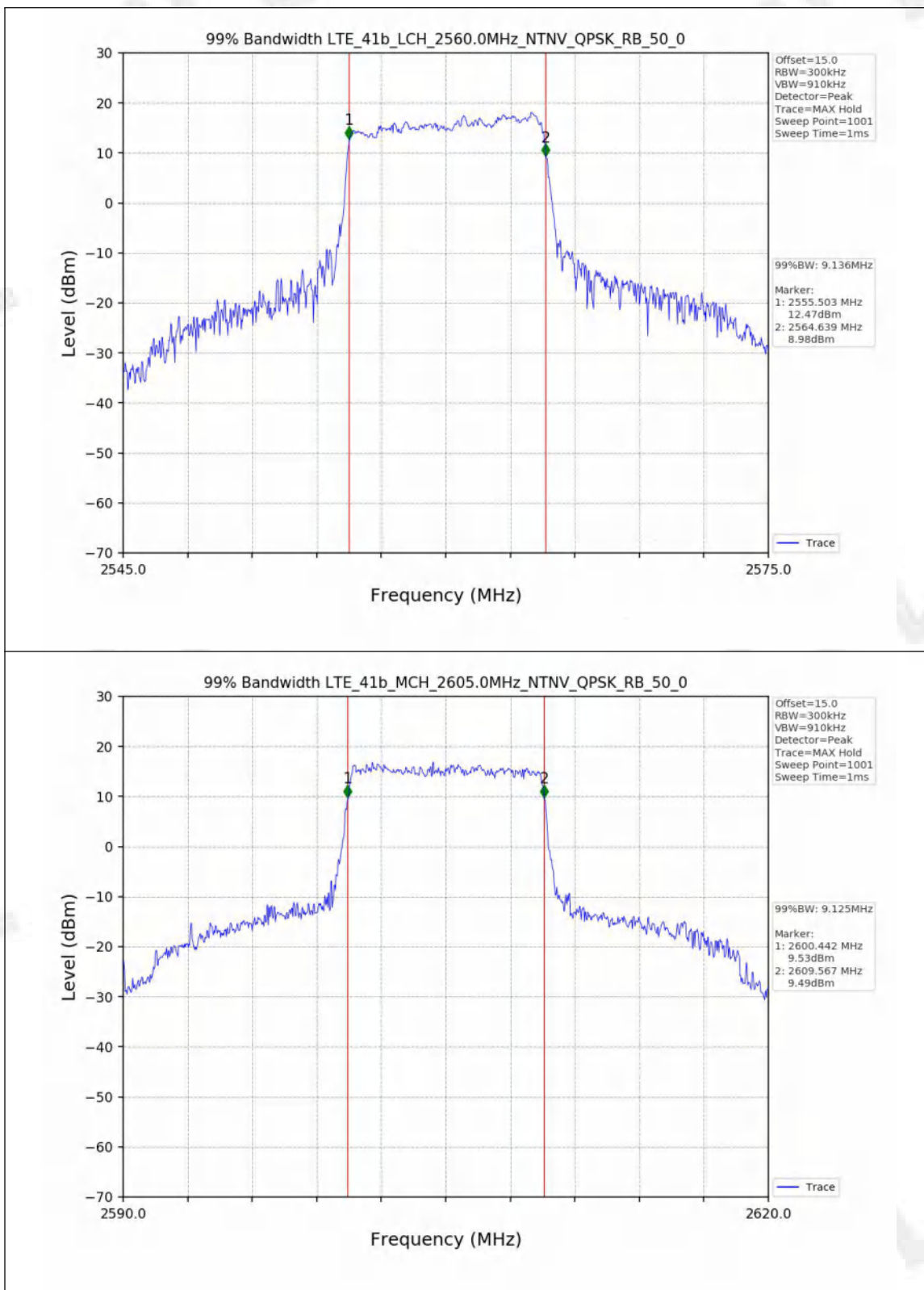
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict
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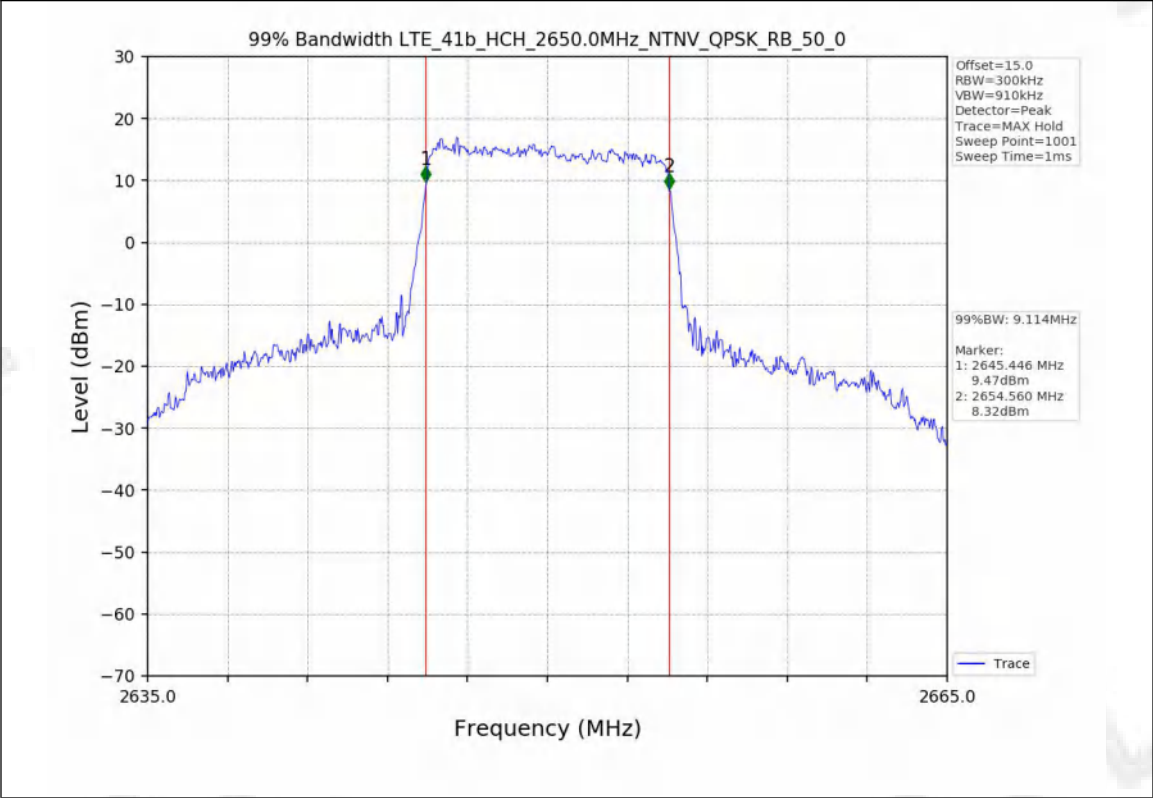
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.136	9.125	9.114	N/A	PASS
16QAM	50	0	9.113	9.074	9.114	N/A	PASS

4.2 Test Graph



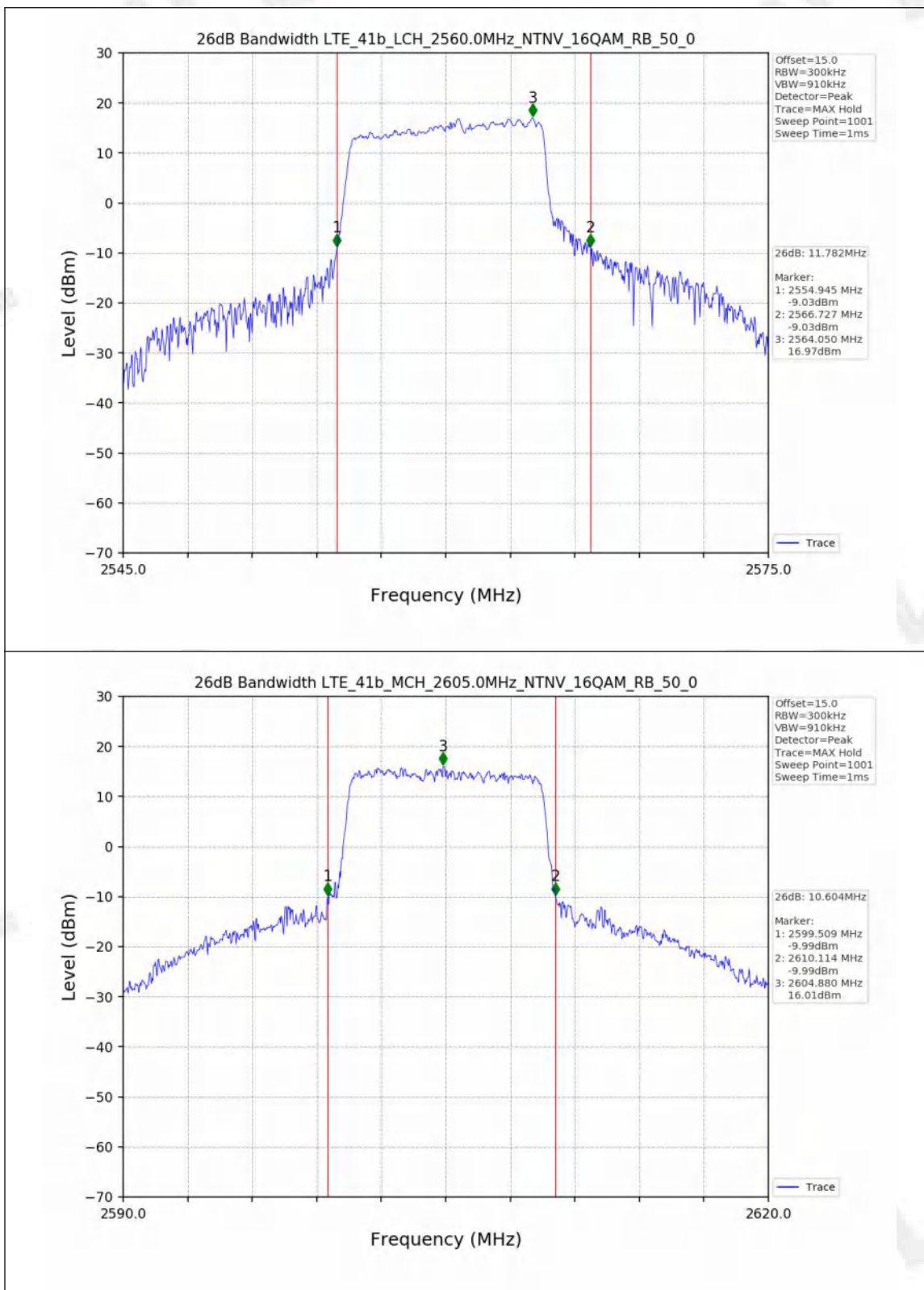


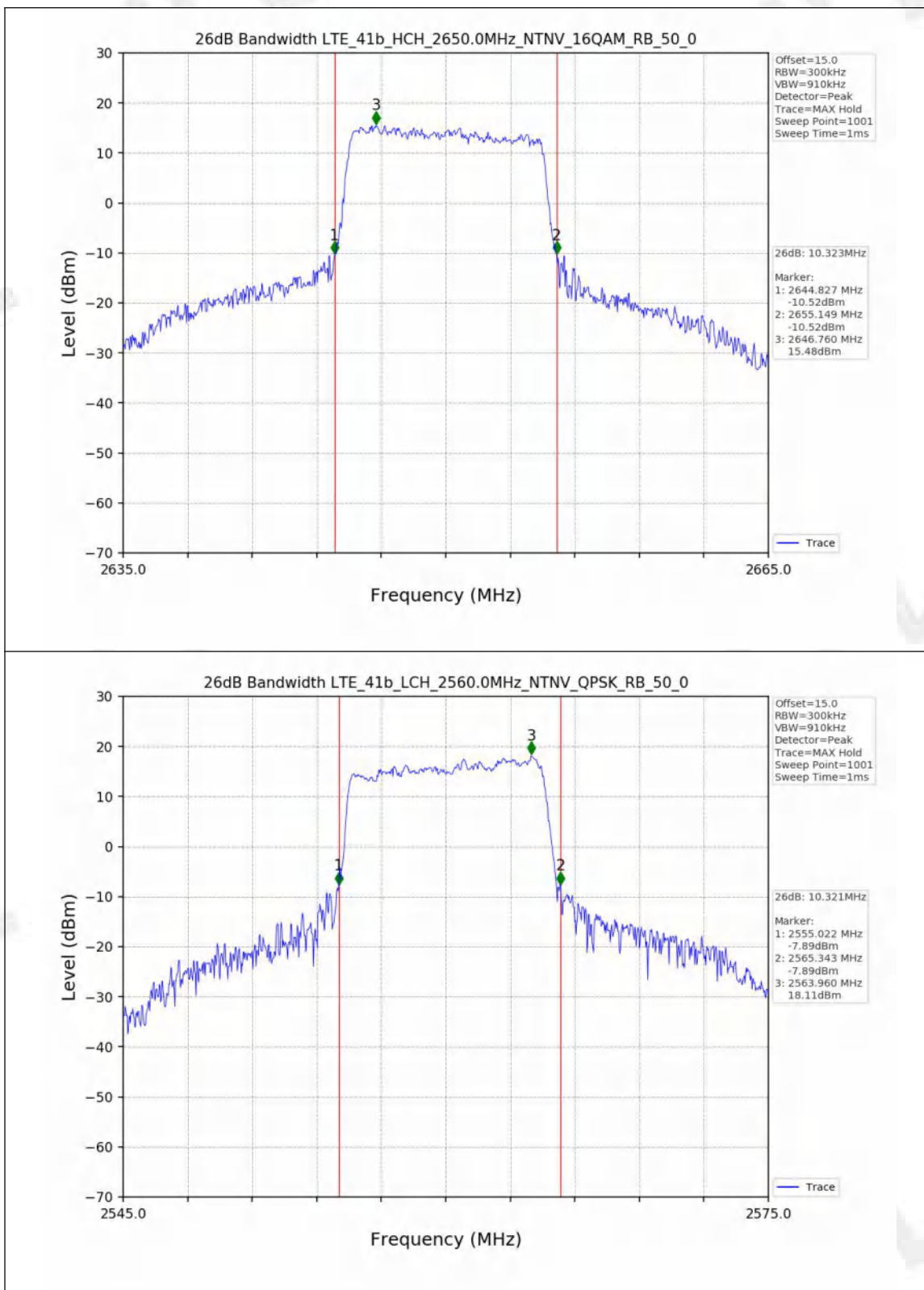


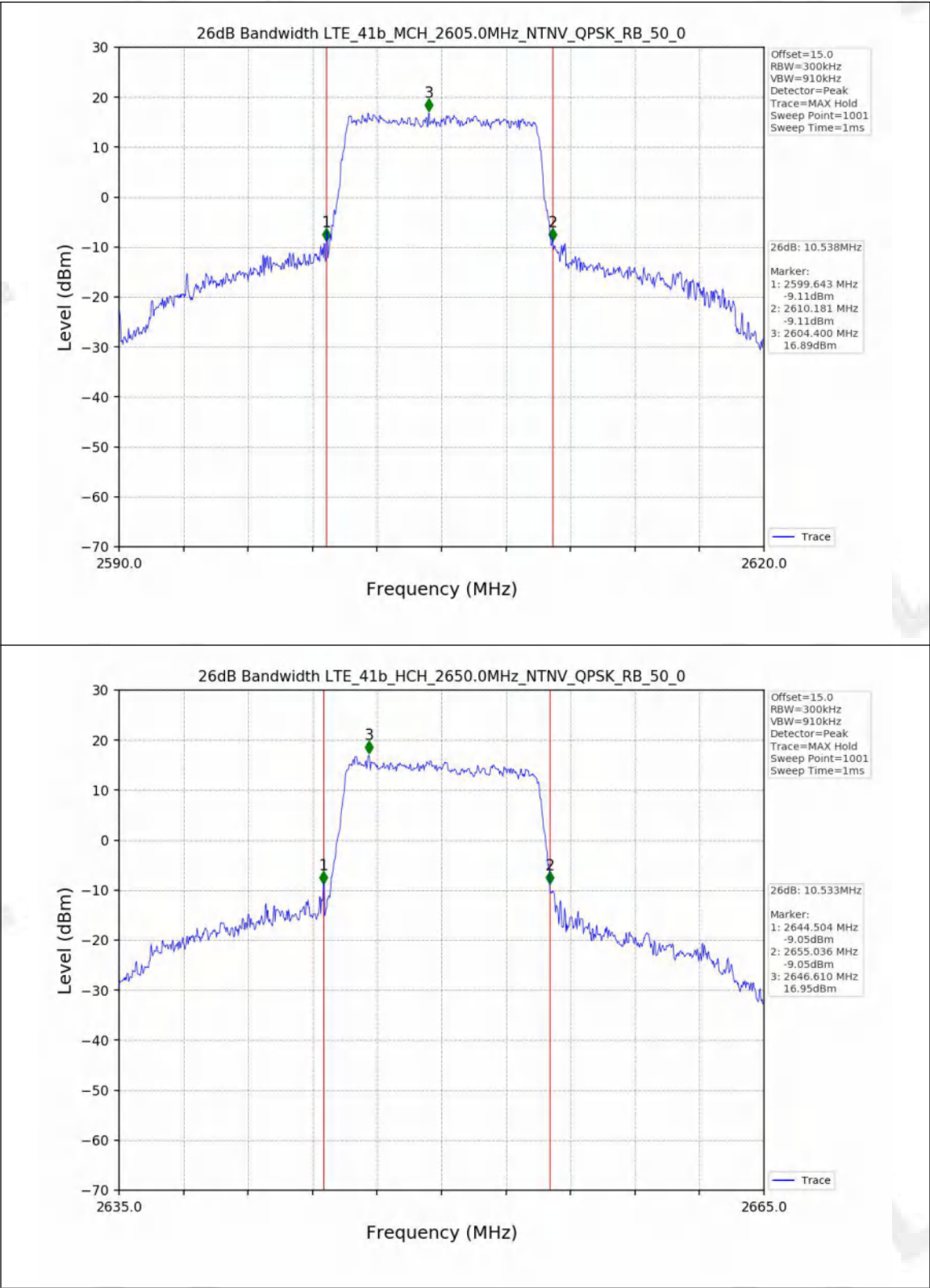


Test Band: 41b_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.321	10.538	10.533	N/A	PASS
16QAM	50	0	11.782	10.604	10.323	N/A	PASS

4.2 Test Graph



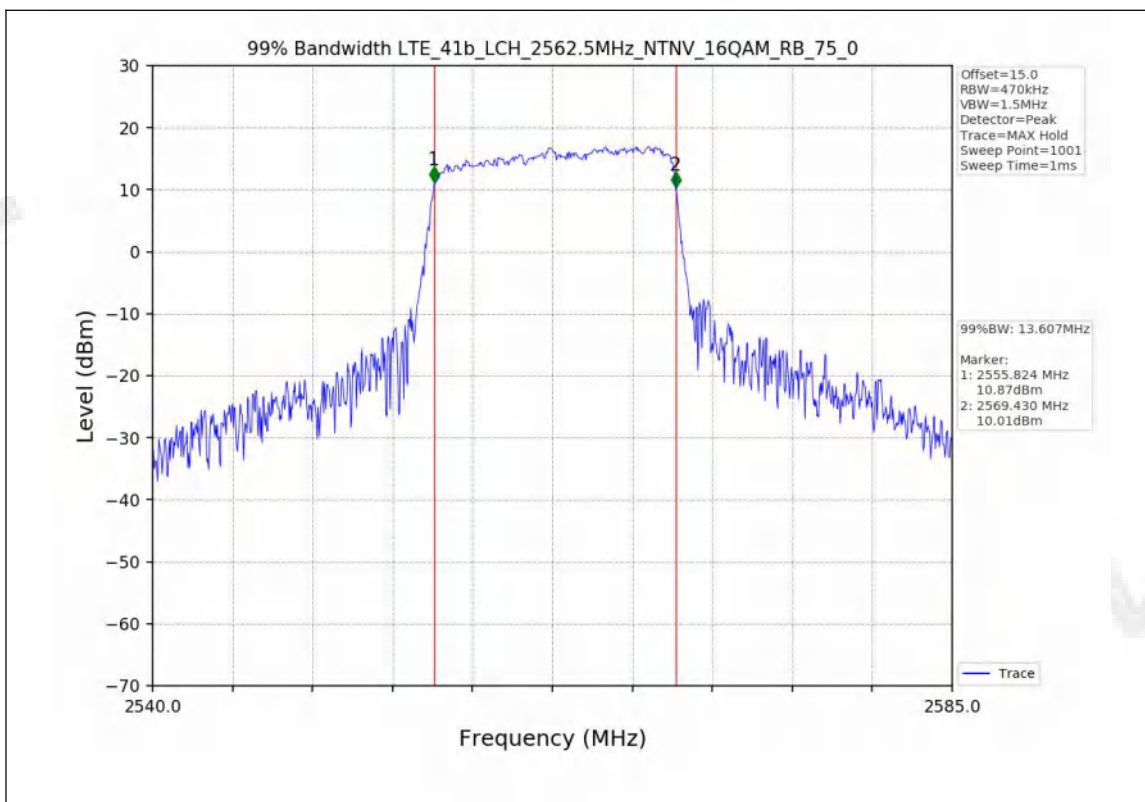


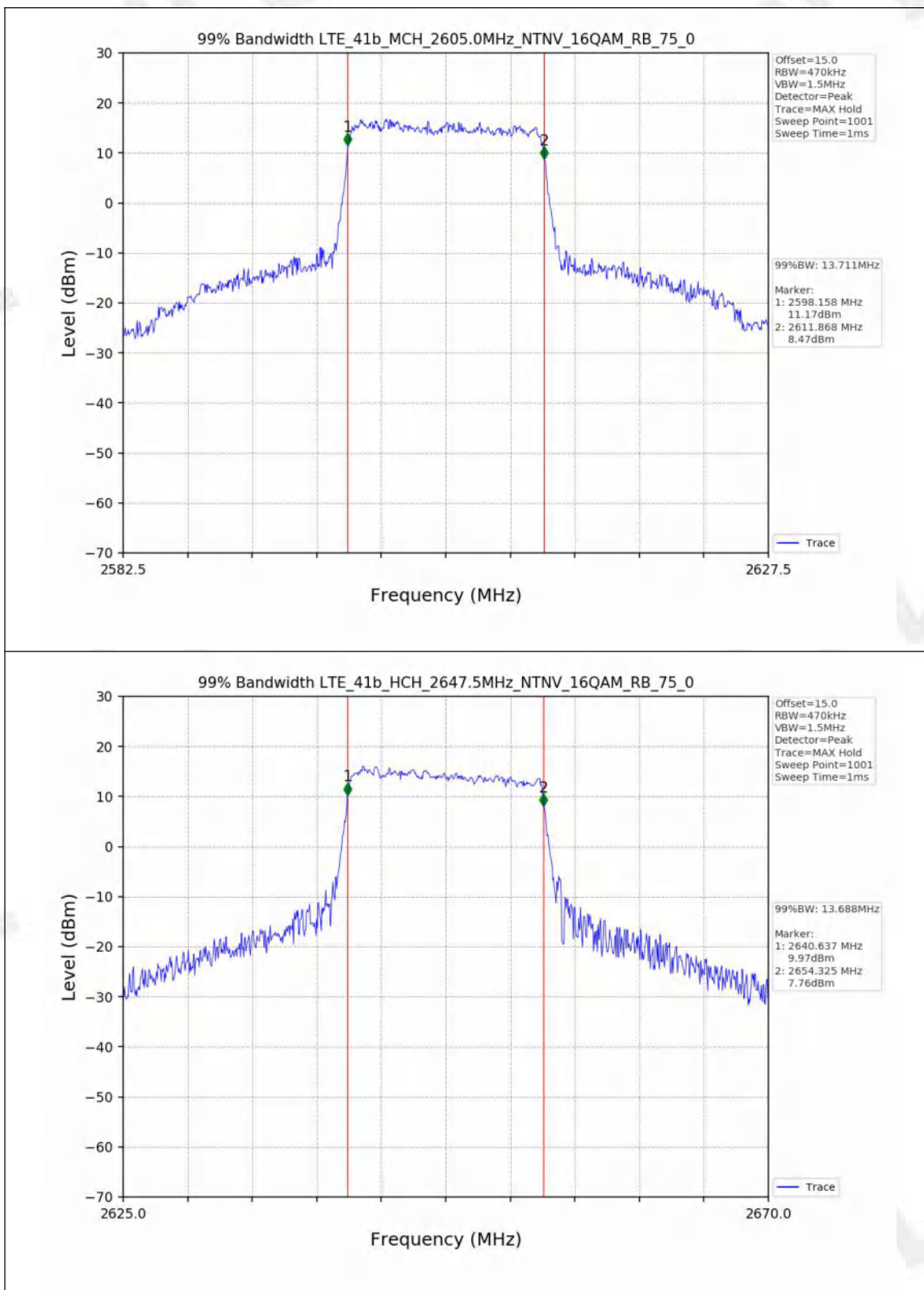


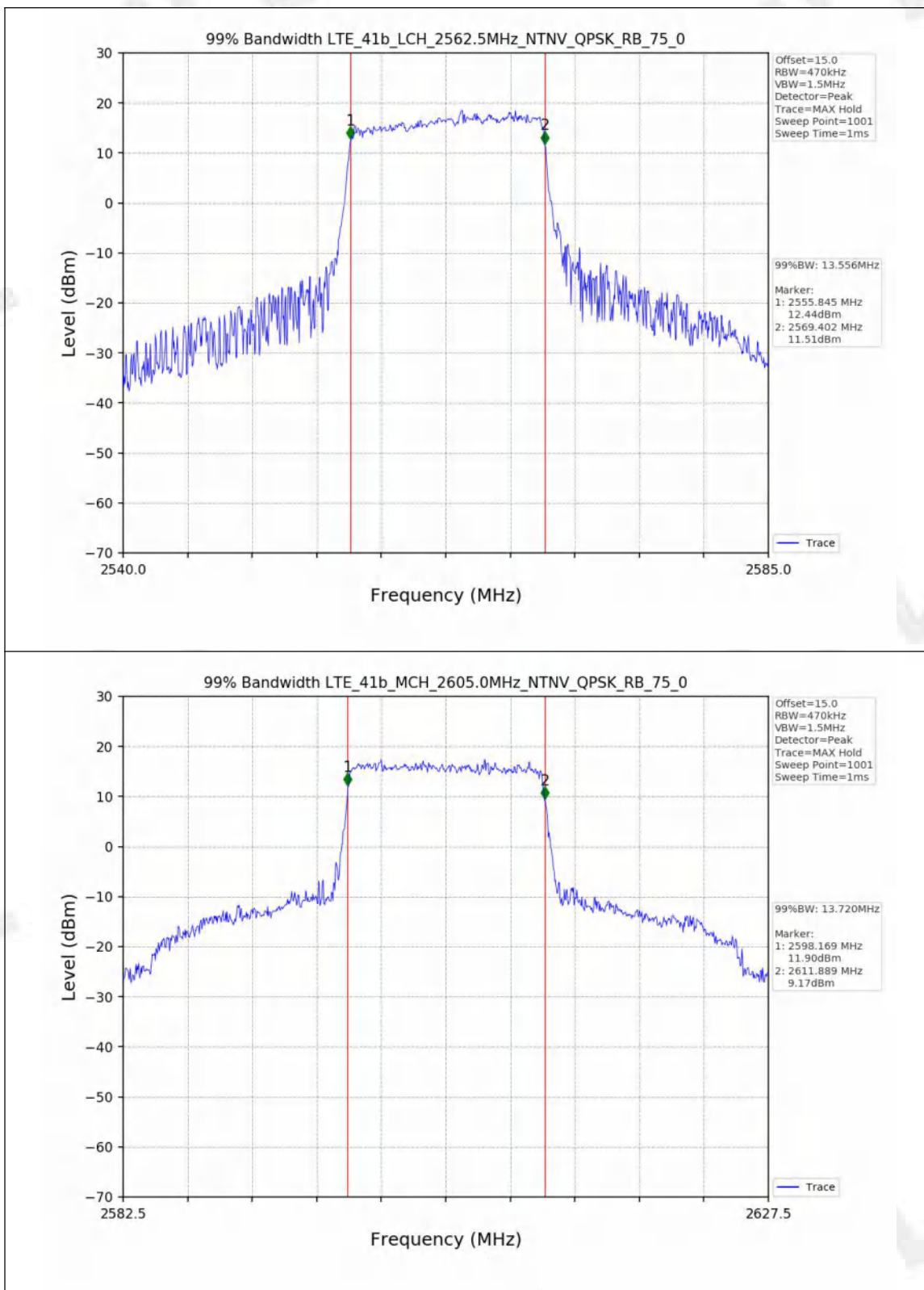
Test Band: 41b_15MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

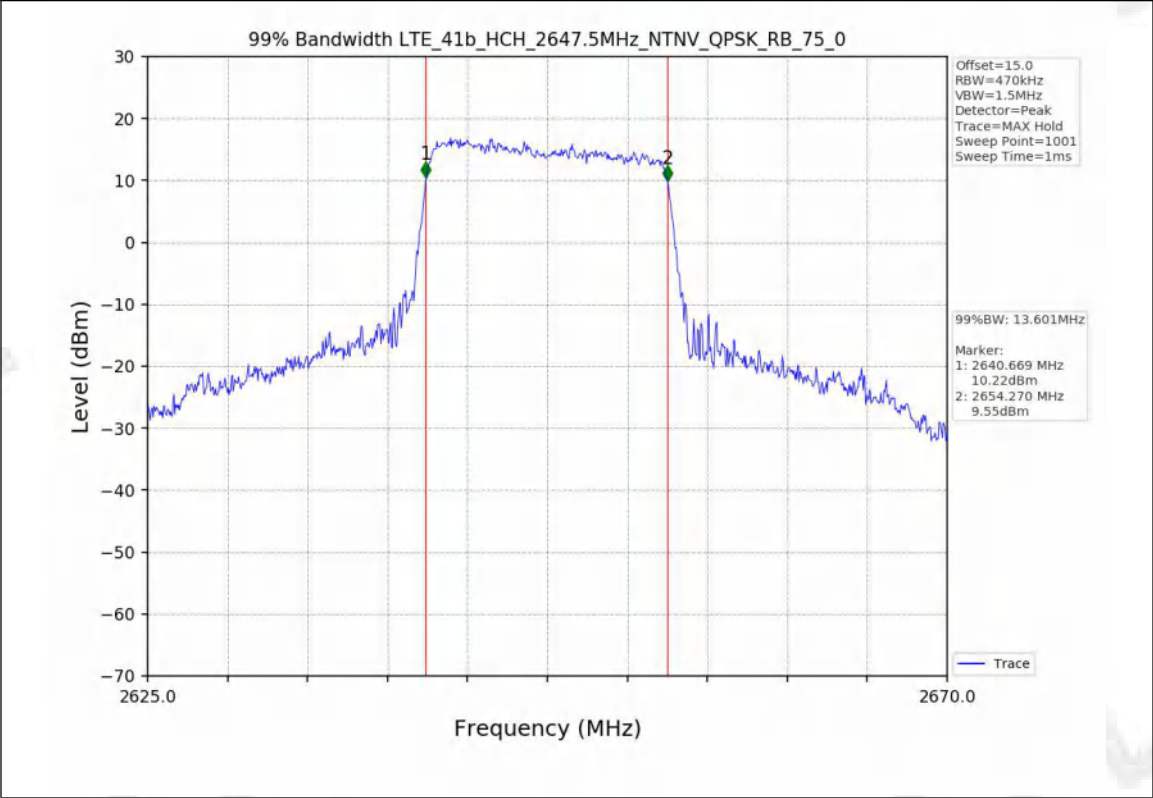
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.556	13.720	13.601	N/A	PASS
16QAM	75	0	13.607	13.711	13.688	N/A	PASS

4.2 Test Graph



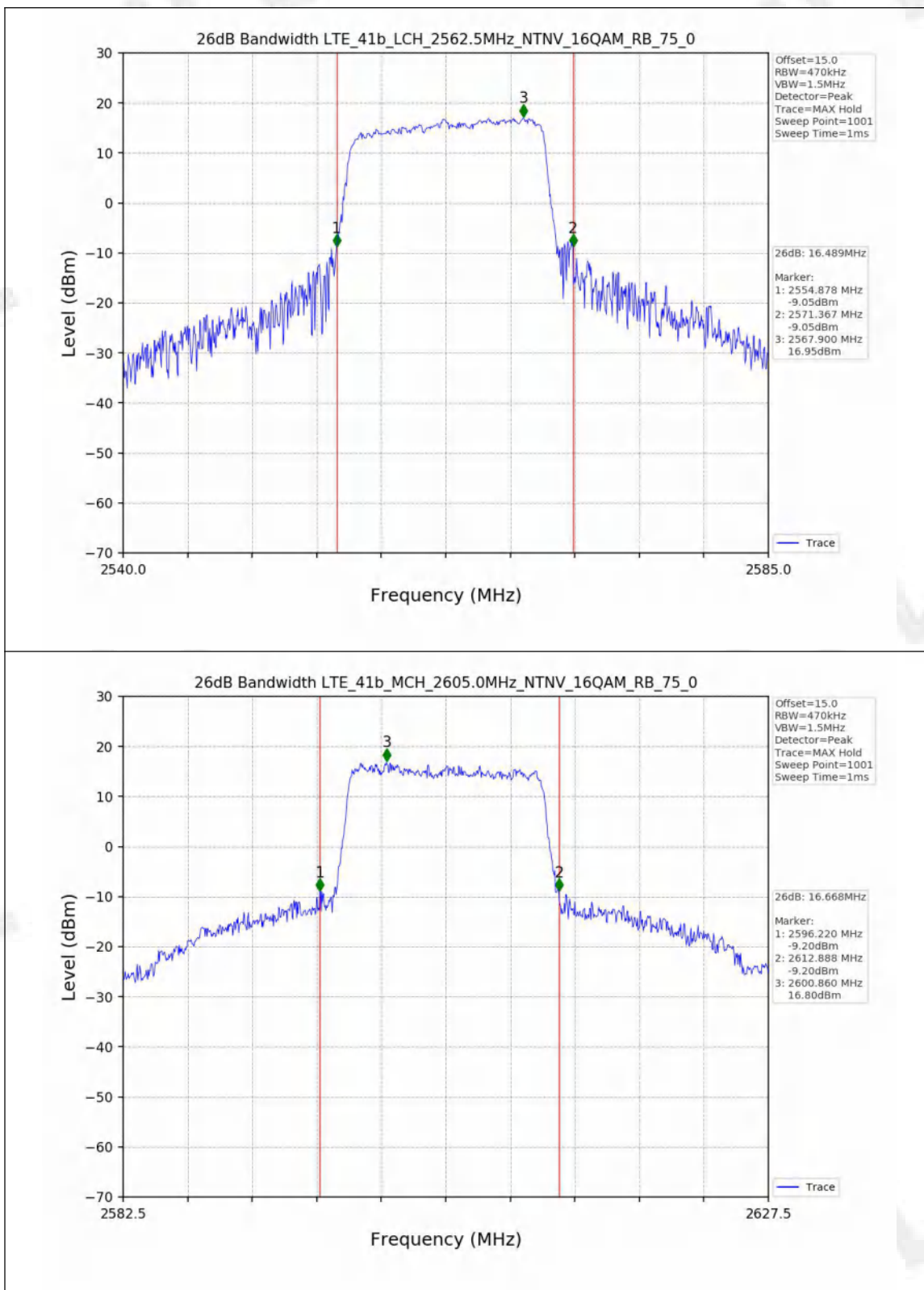


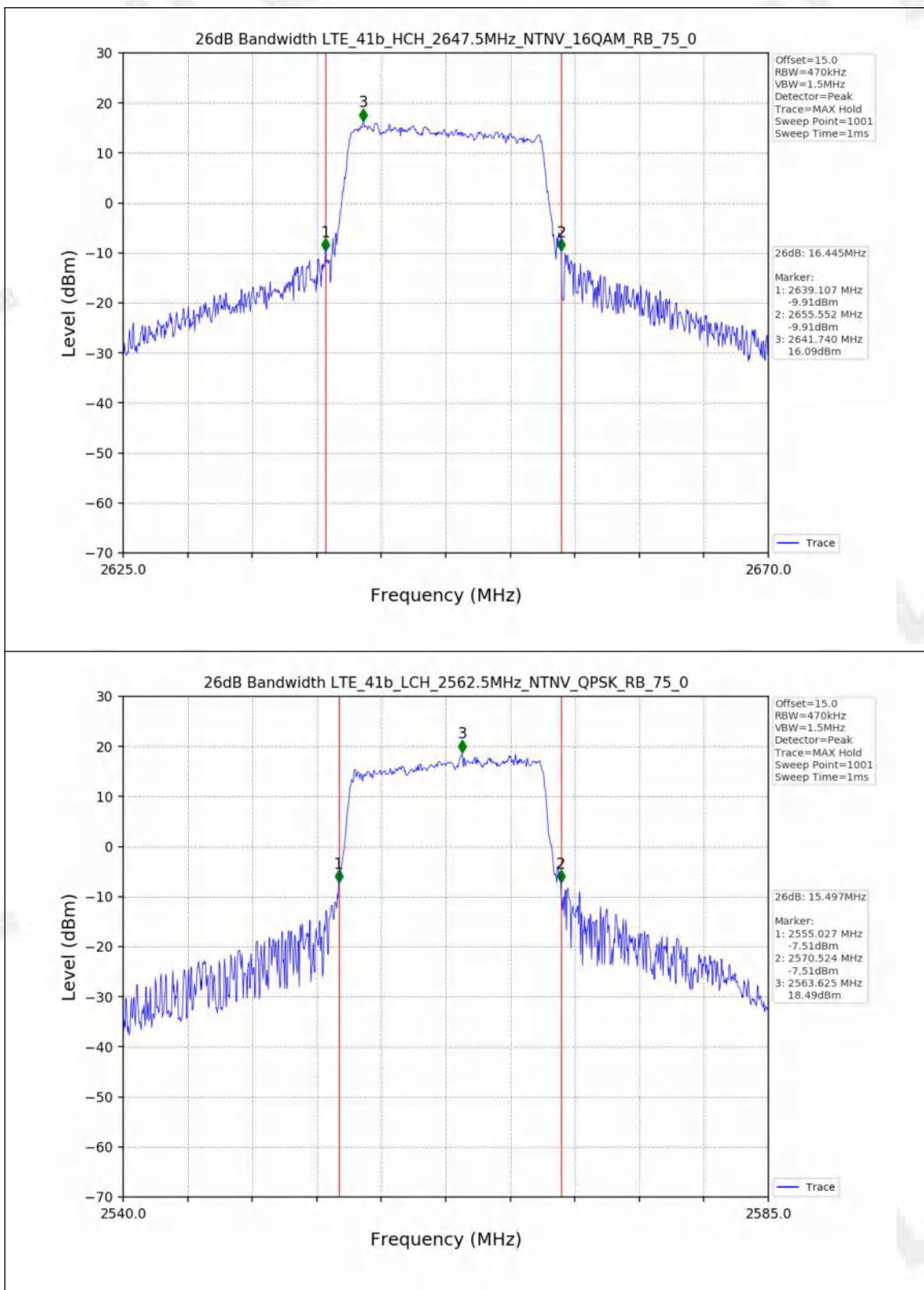


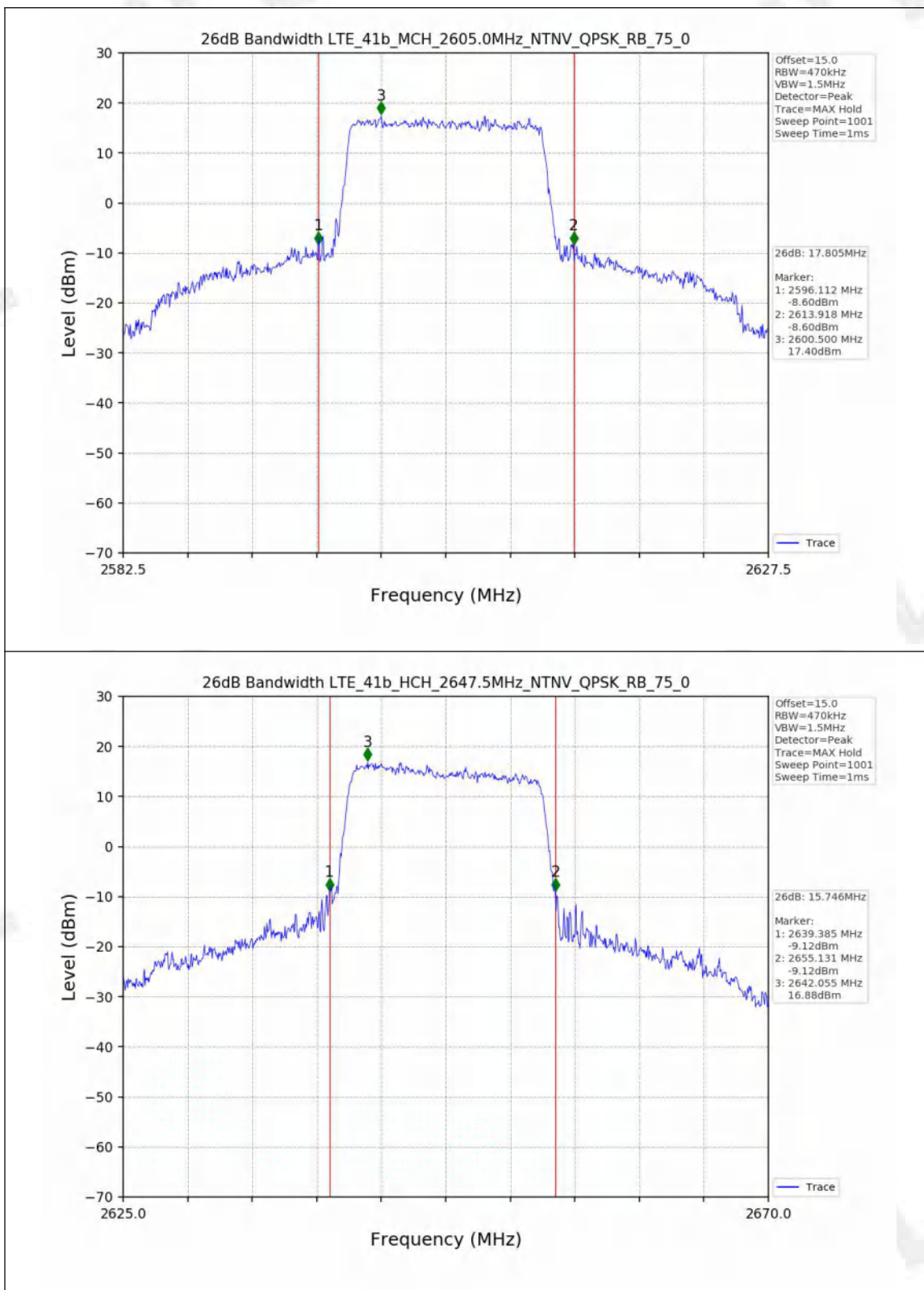


Test Band: 41b_15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	15.497	17.805	15.746	N/A	PASS
16QAM	75	0	16.489	16.668	16.445	N/A	PASS

4.2 Test Graph





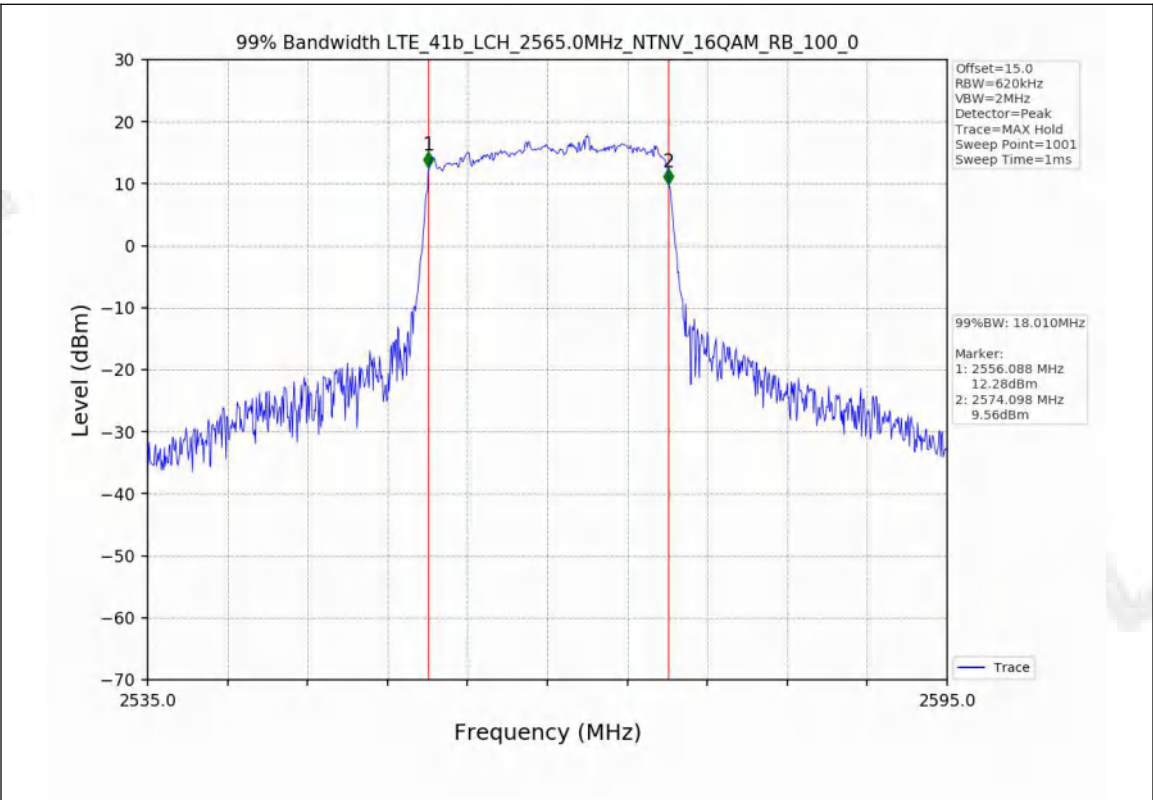


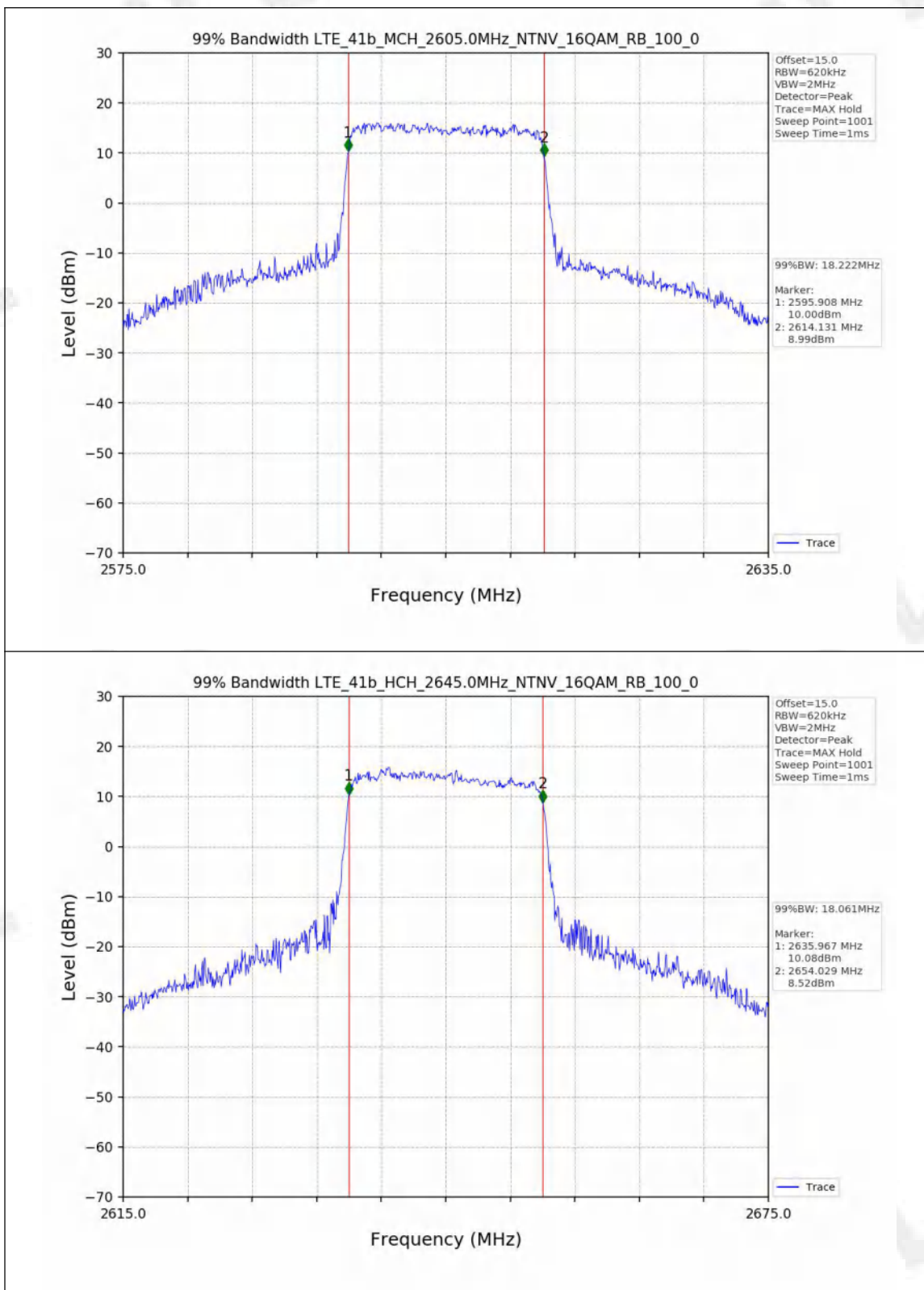
Test Band: 41b_20MHz Bandwidth

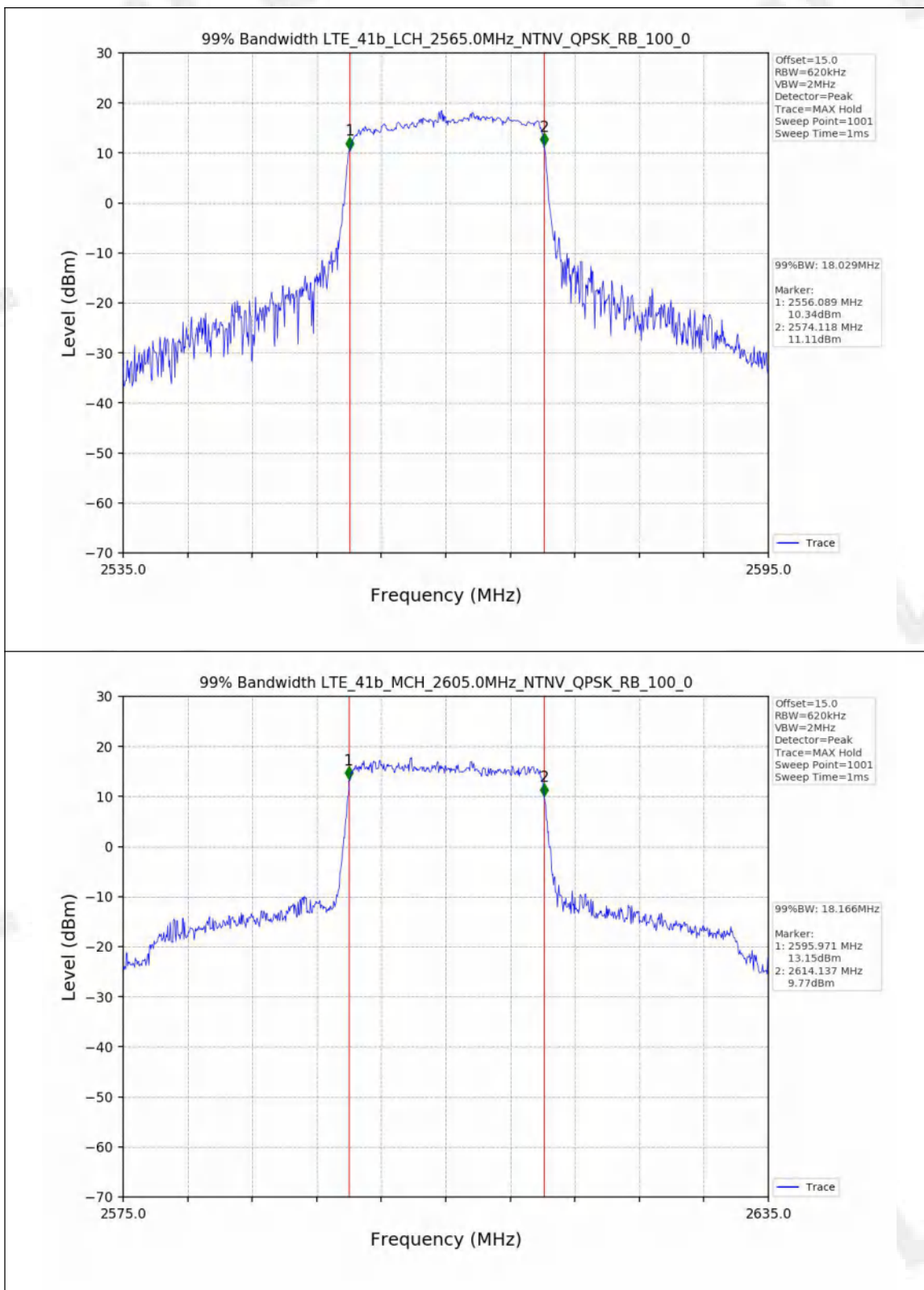
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict
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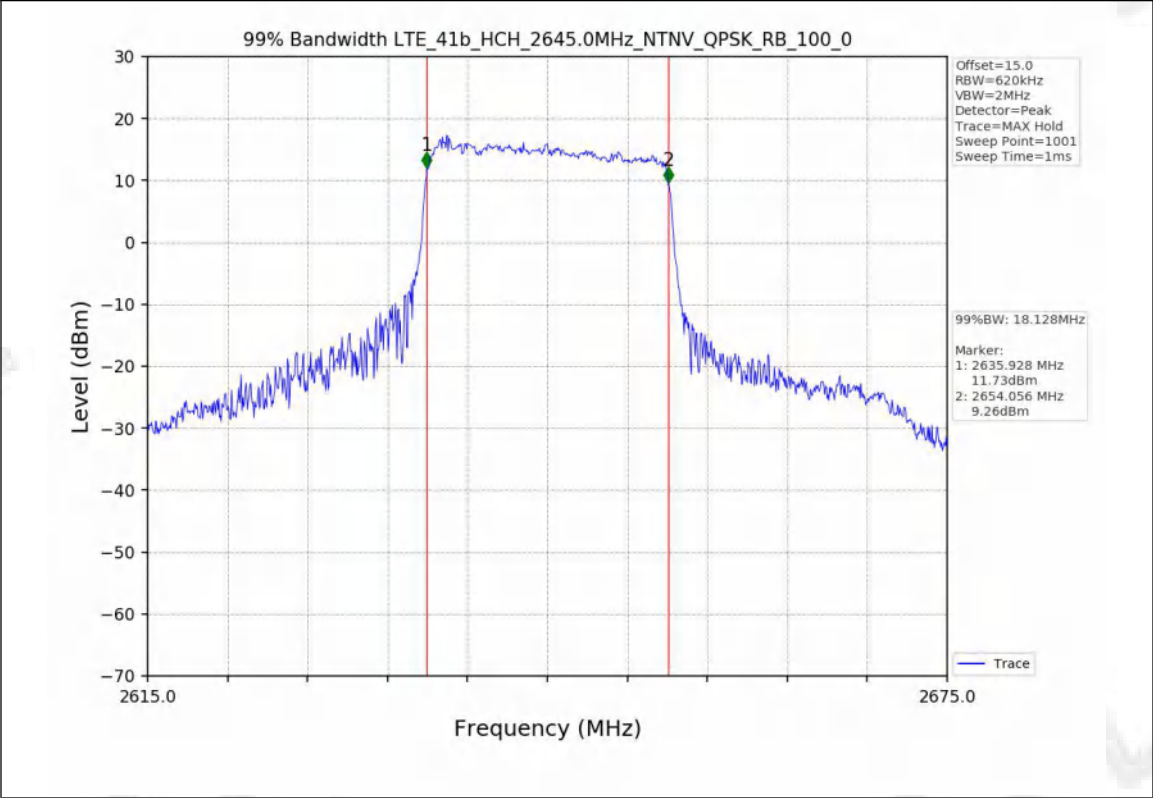
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.029	18.166	18.128	N/A	PASS
16QAM	100	0	18.010	18.222	18.061	N/A	PASS

4.2 Test Graph



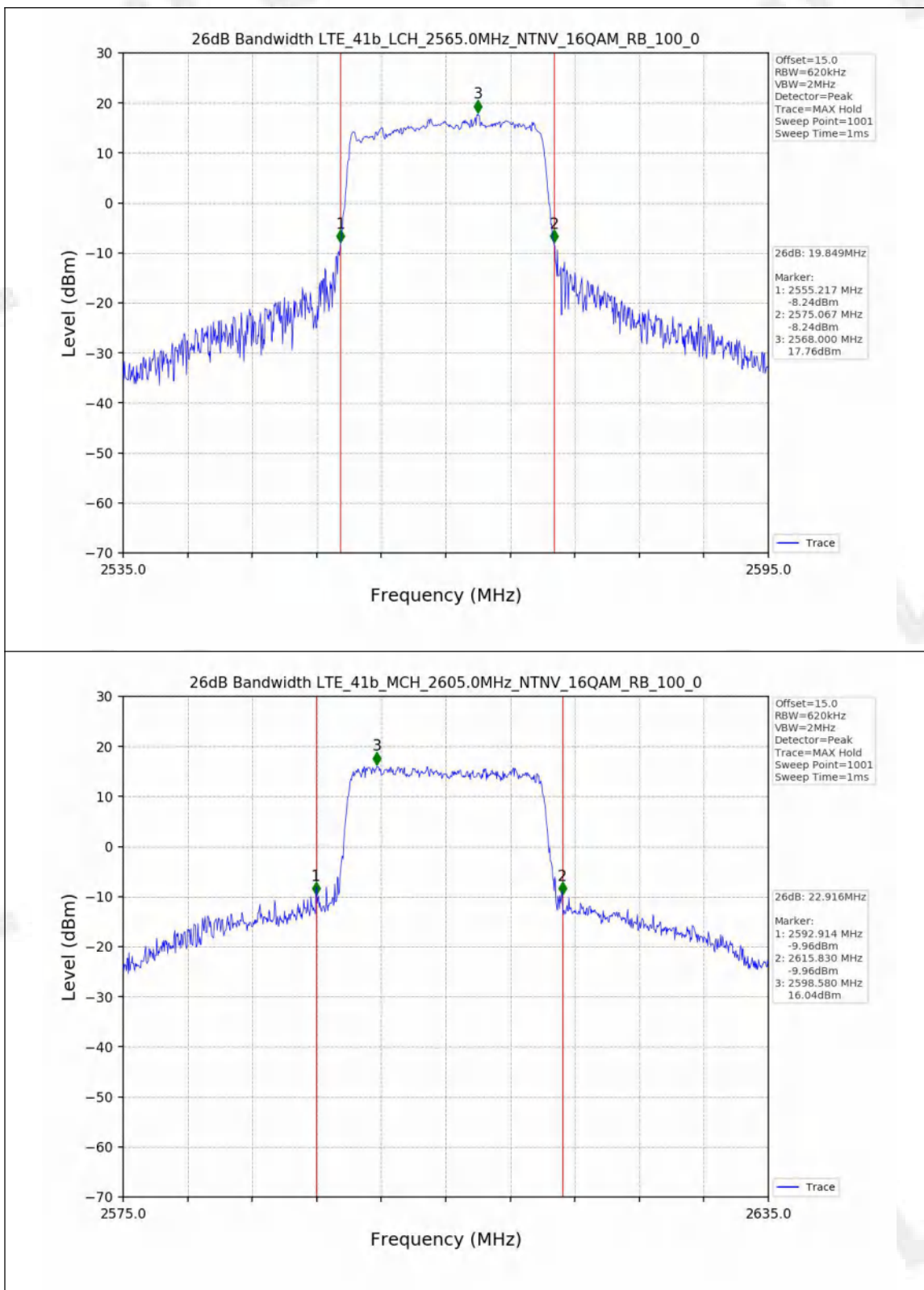


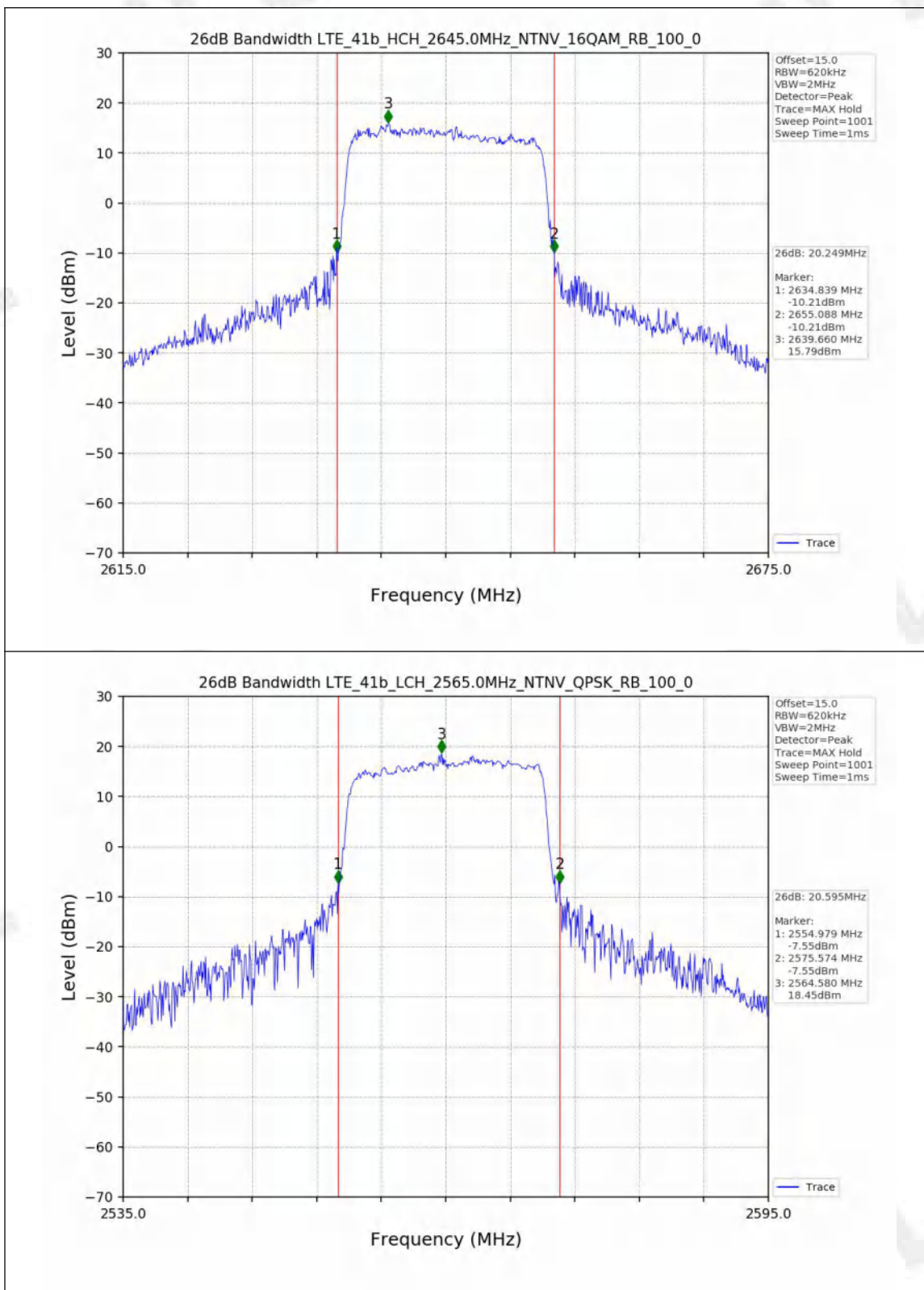


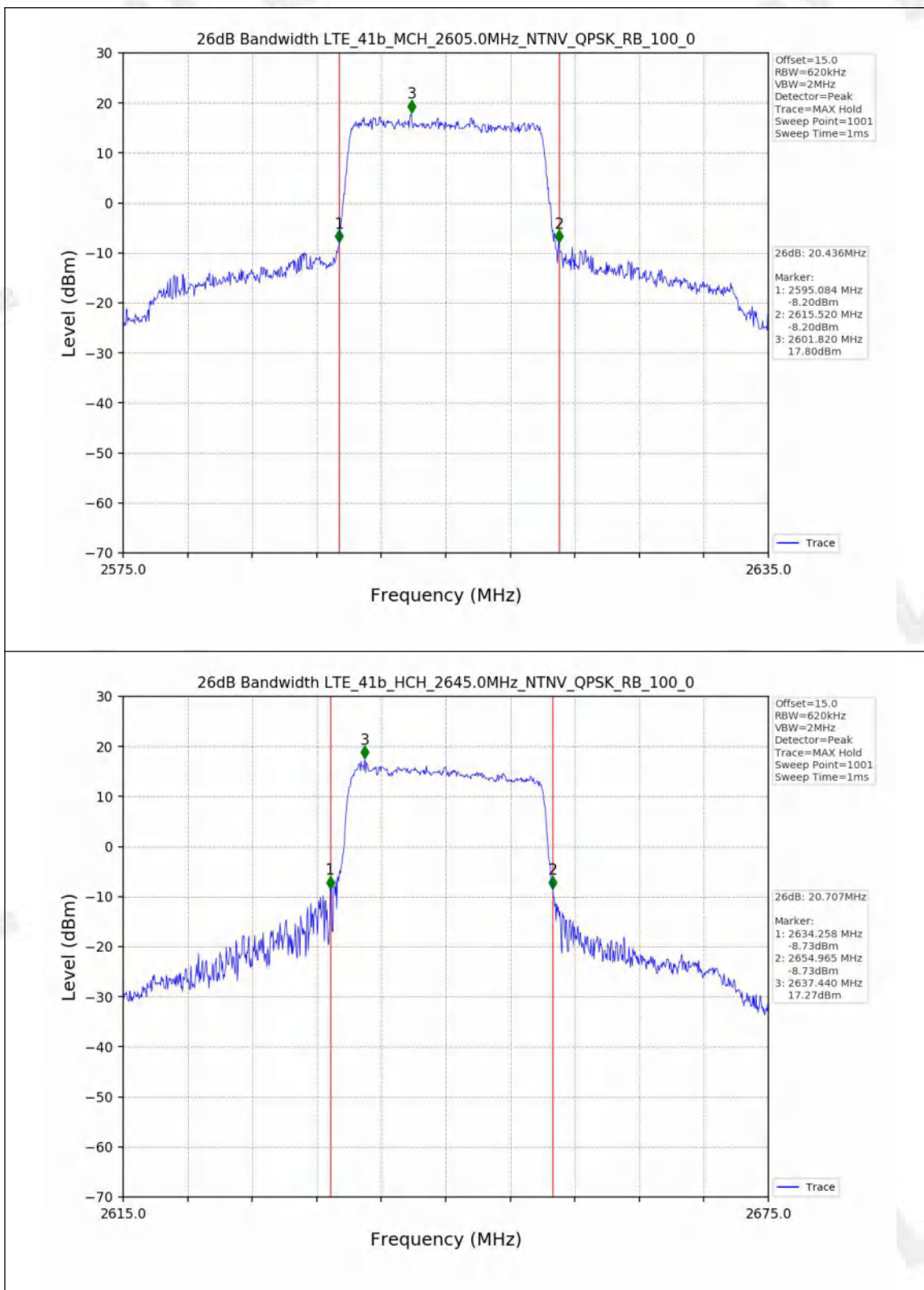


Test Band: 41b_20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	20.595	20.436	20.707	N/A	PASS
16QAM	100	0	19.849	22.916	20.249	N/A	PASS

4.2 Test Graph





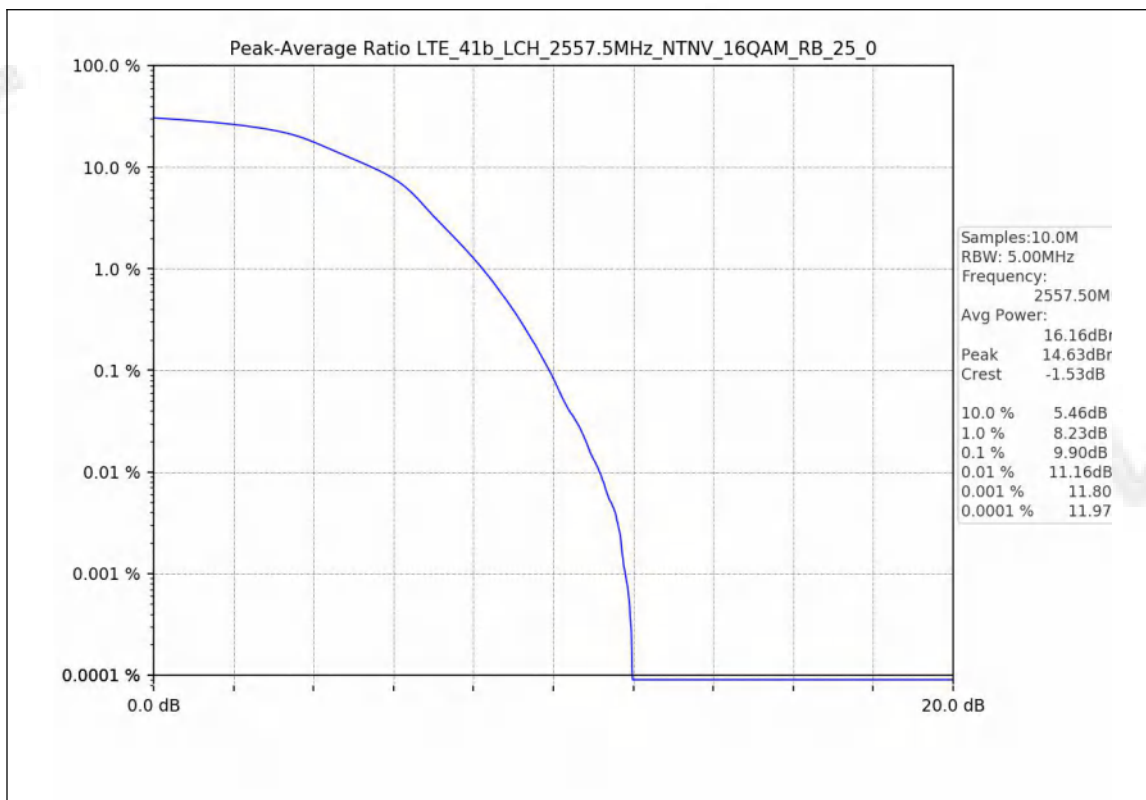


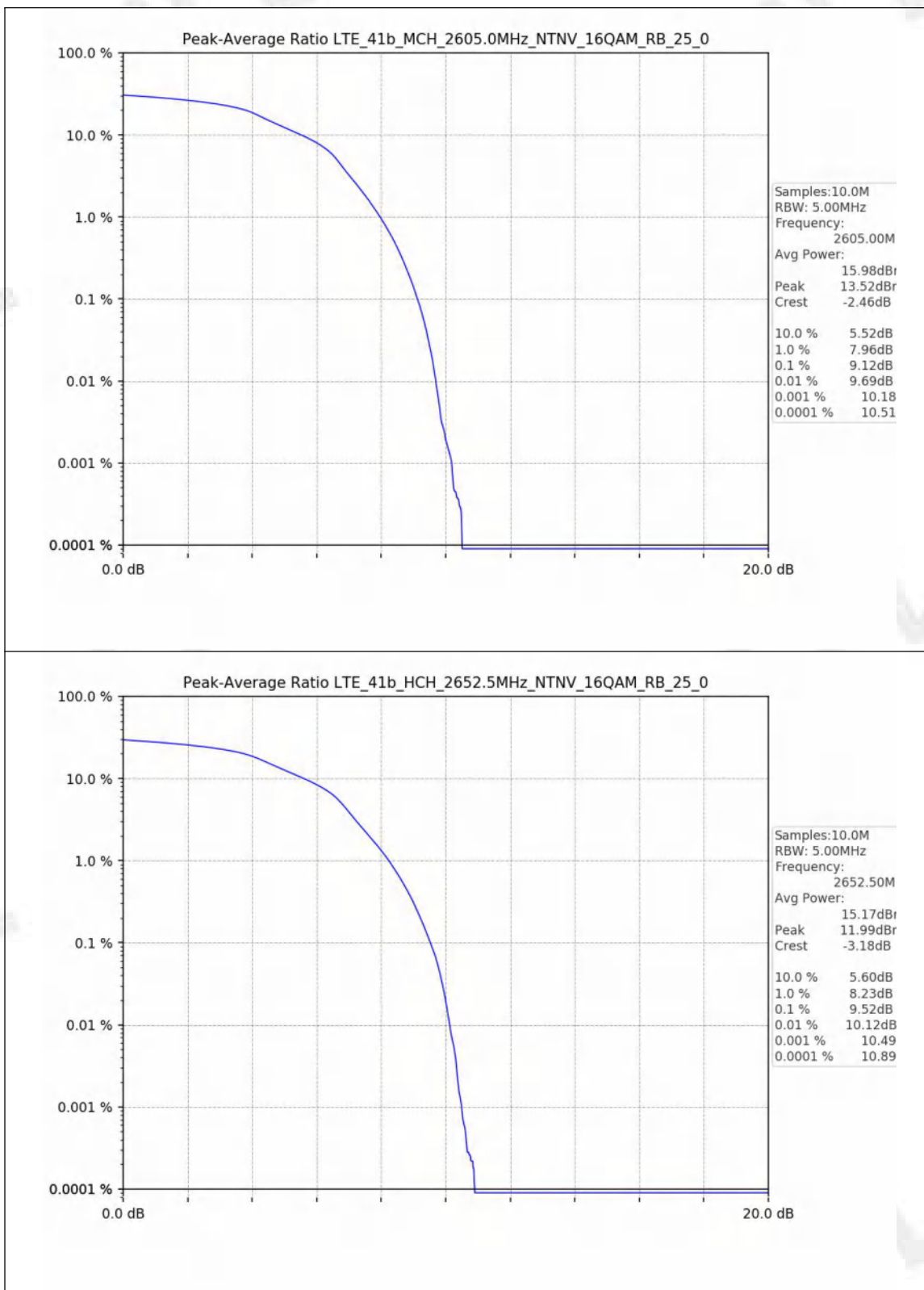
5. Peak-Average Ratio

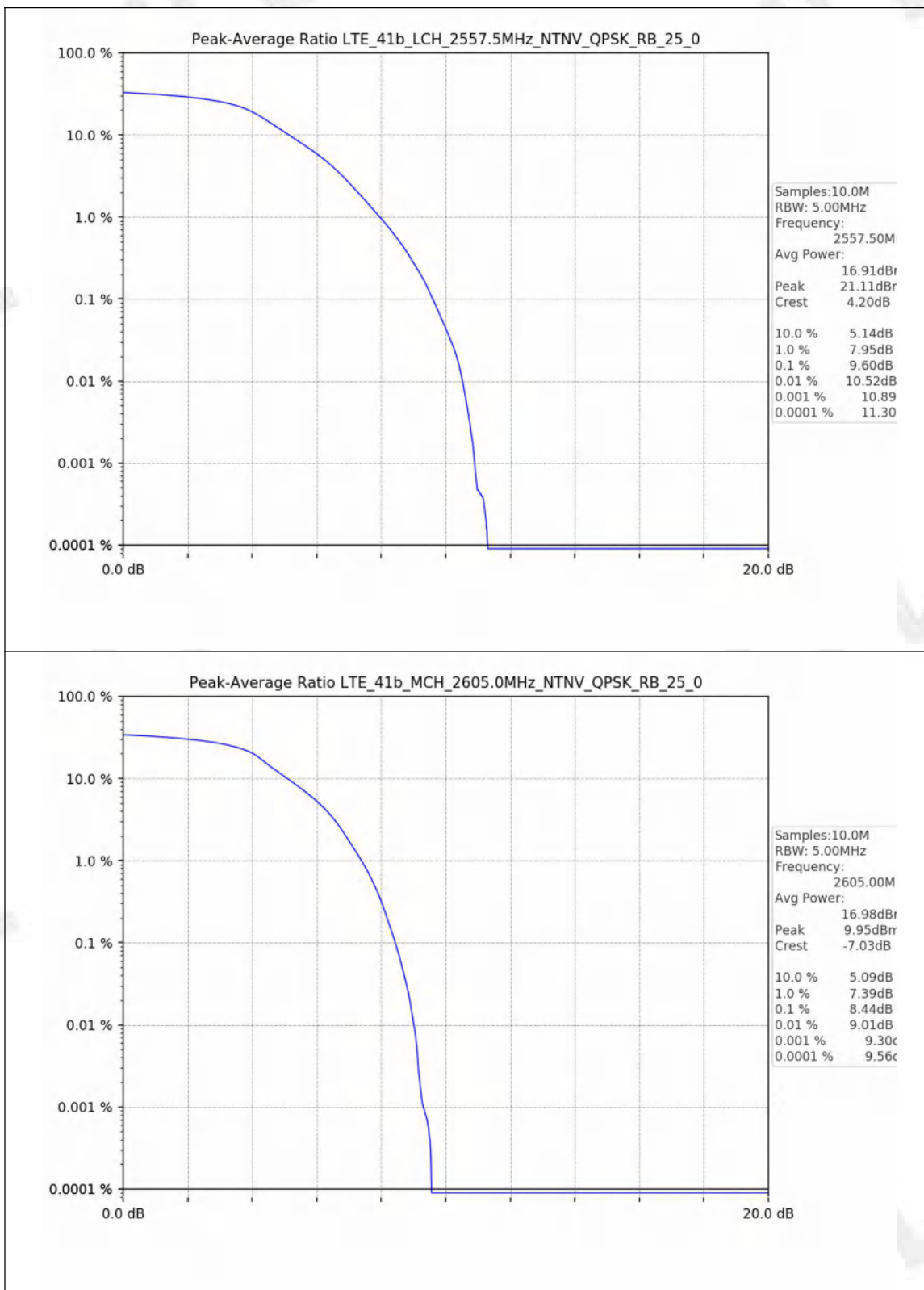
5.1 Test Result

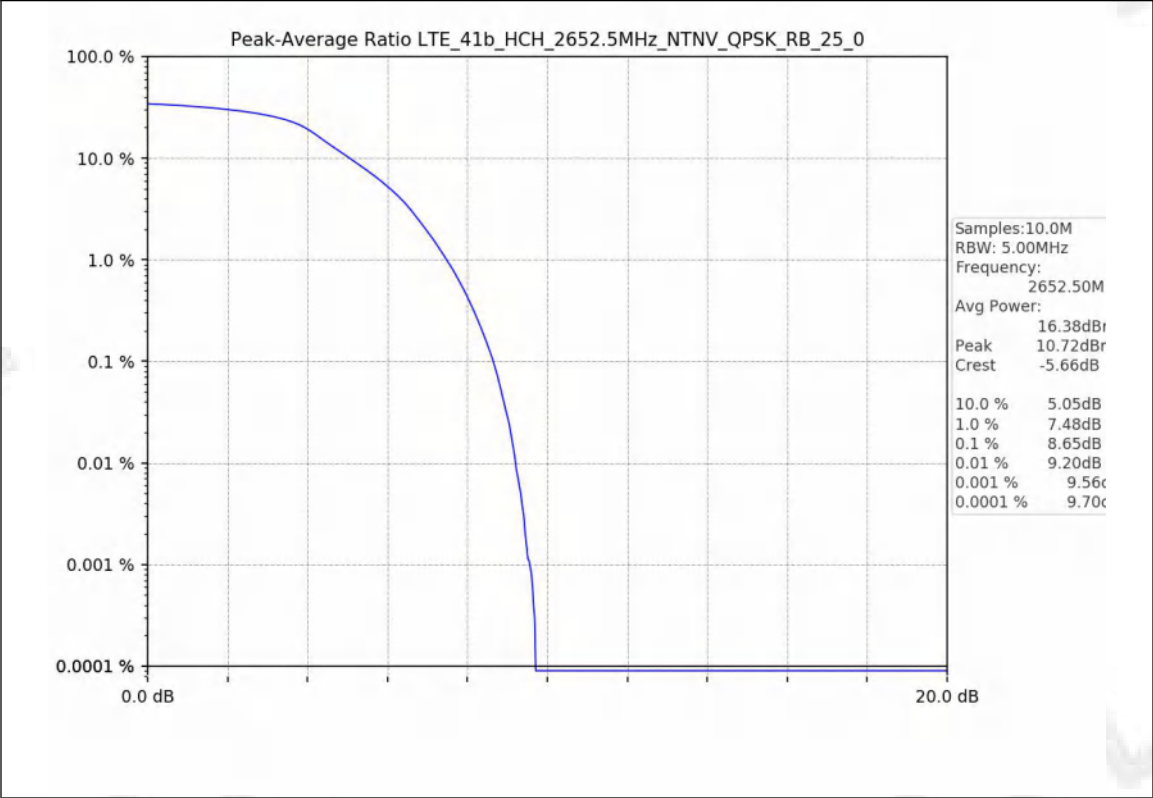
Test Band: 41b_5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	9.60	8.44	8.65	13	PASS
16QAM	25	0	9.90	9.12	9.52	13	PASS

5.2 Test Graph



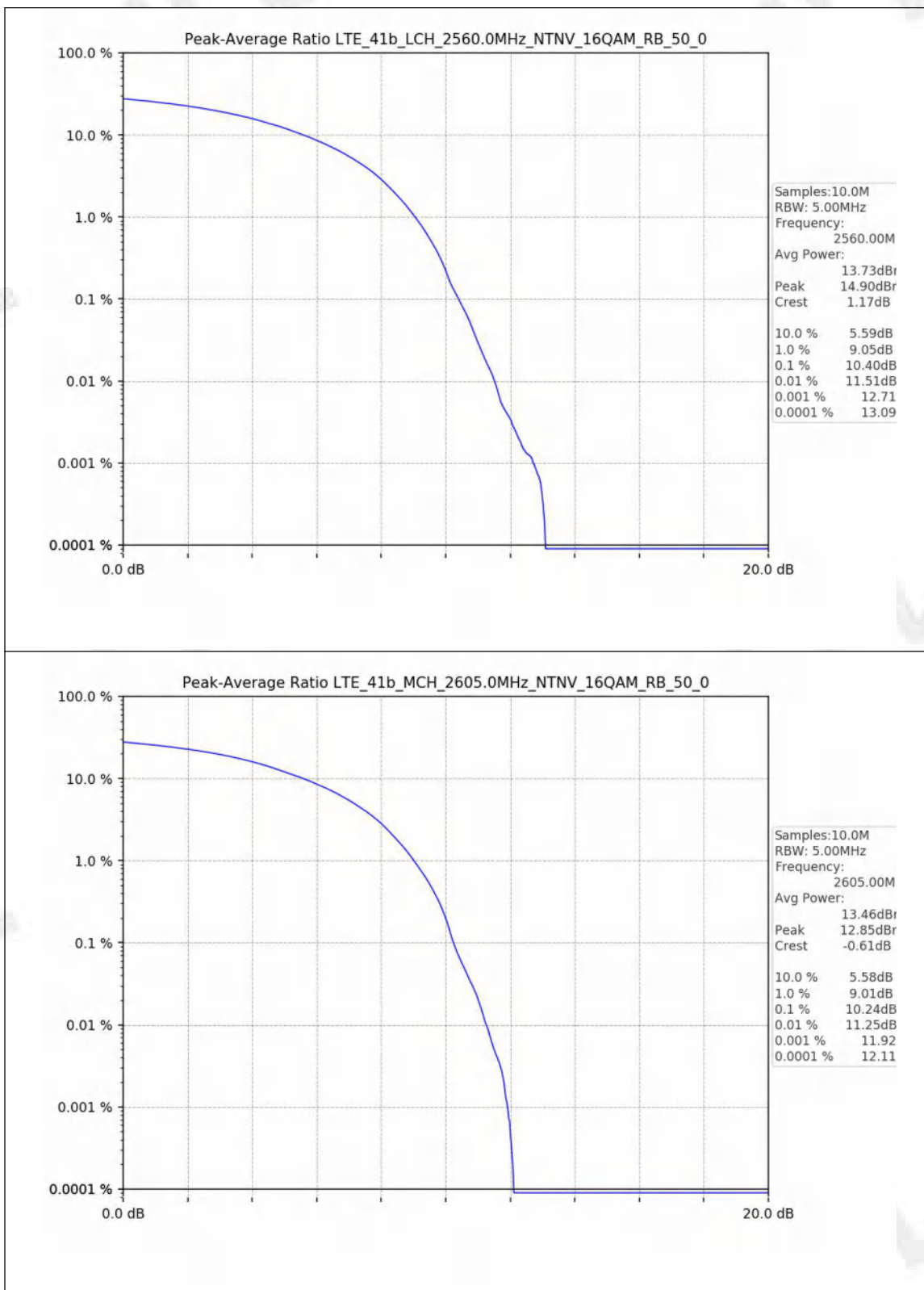


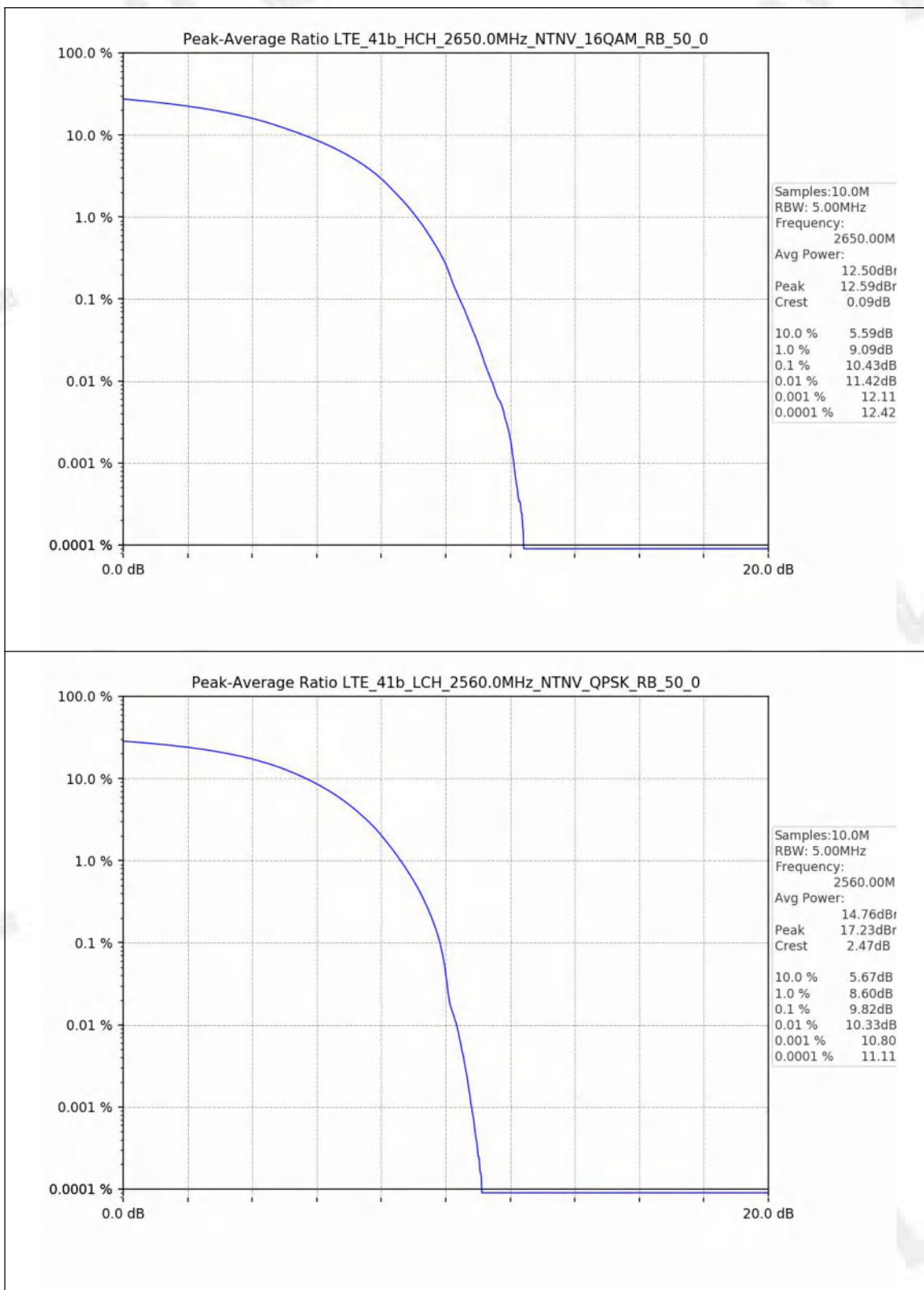


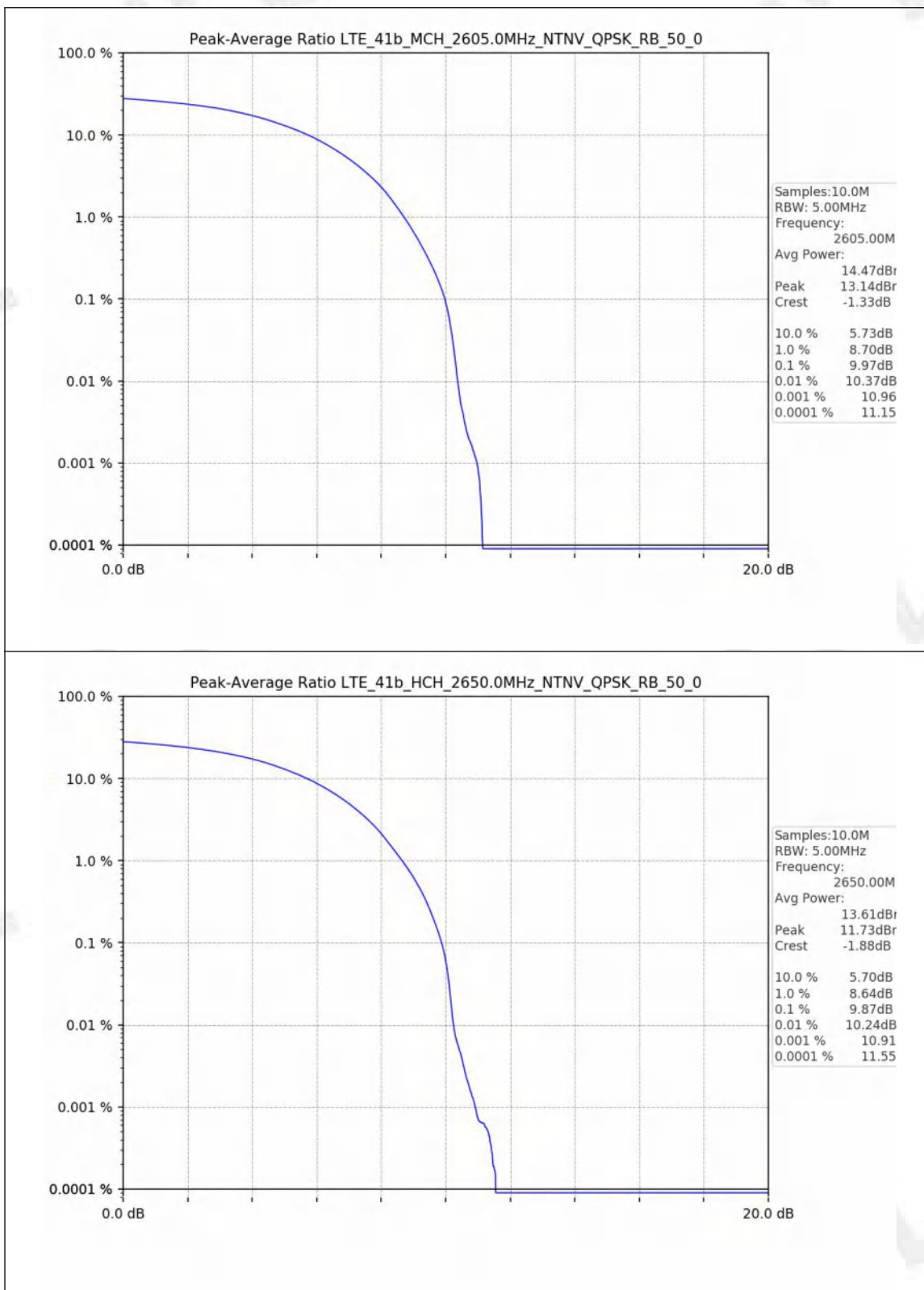


Test Band: 41b_10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.82	9.97	9.87	13	PASS
16QAM	50	0	10.40	10.24	10.43	13	PASS

5.2 Test Graph



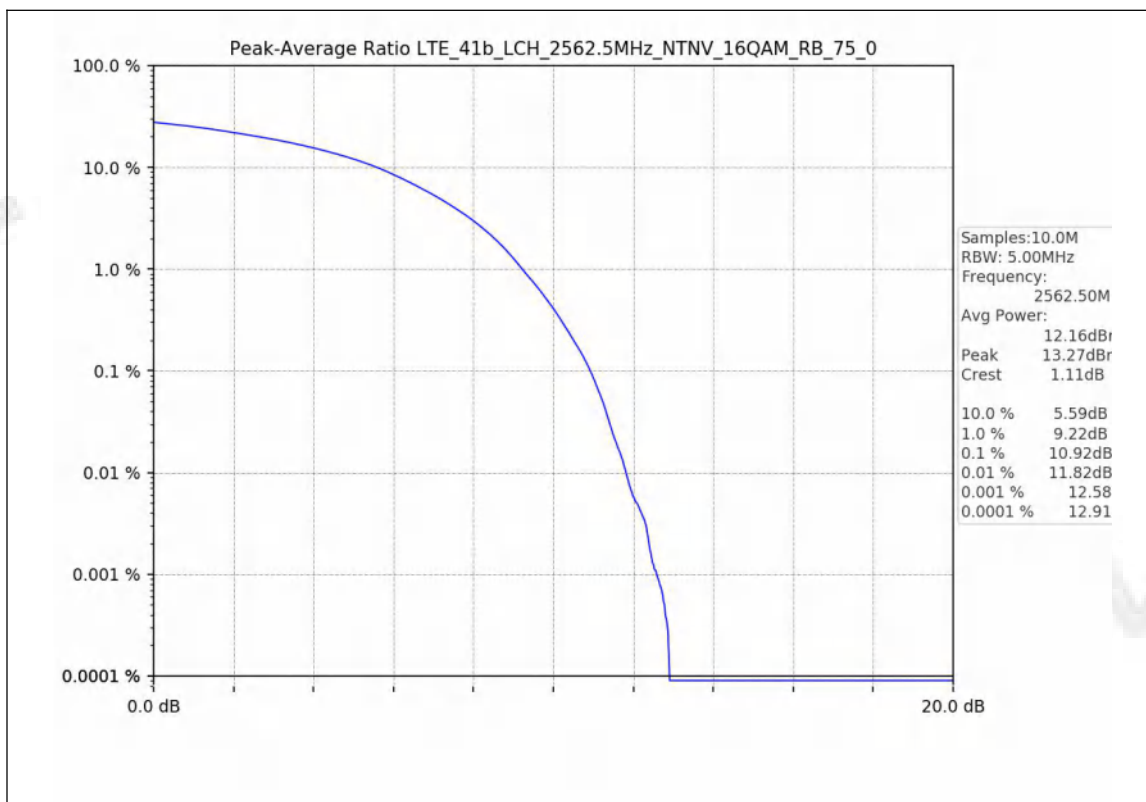


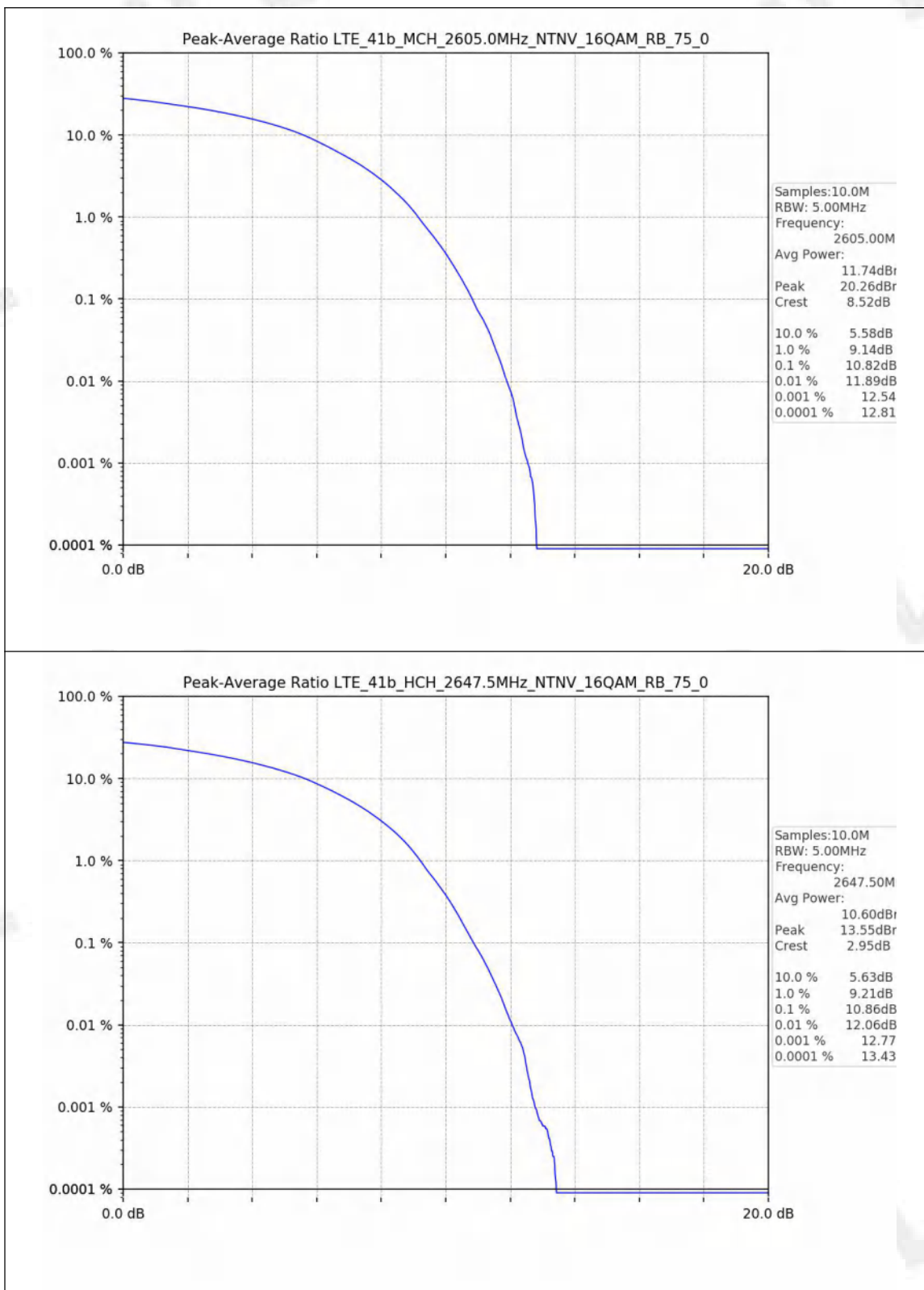


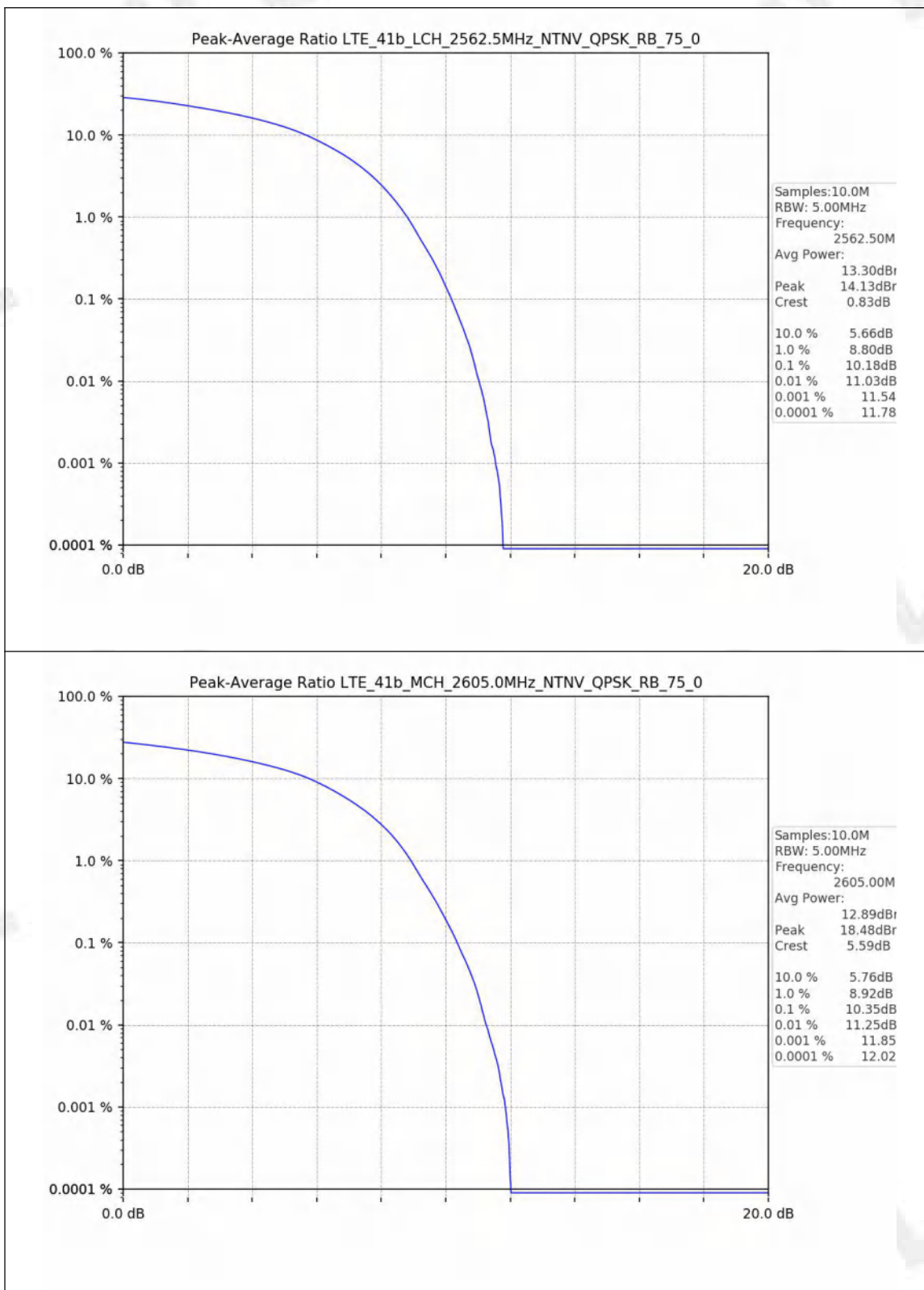
Test Band: 41b_15MHz Bandwidth				
Test Mode	RB Allocation	Test result (dB)	Limit (dB)	Verdict

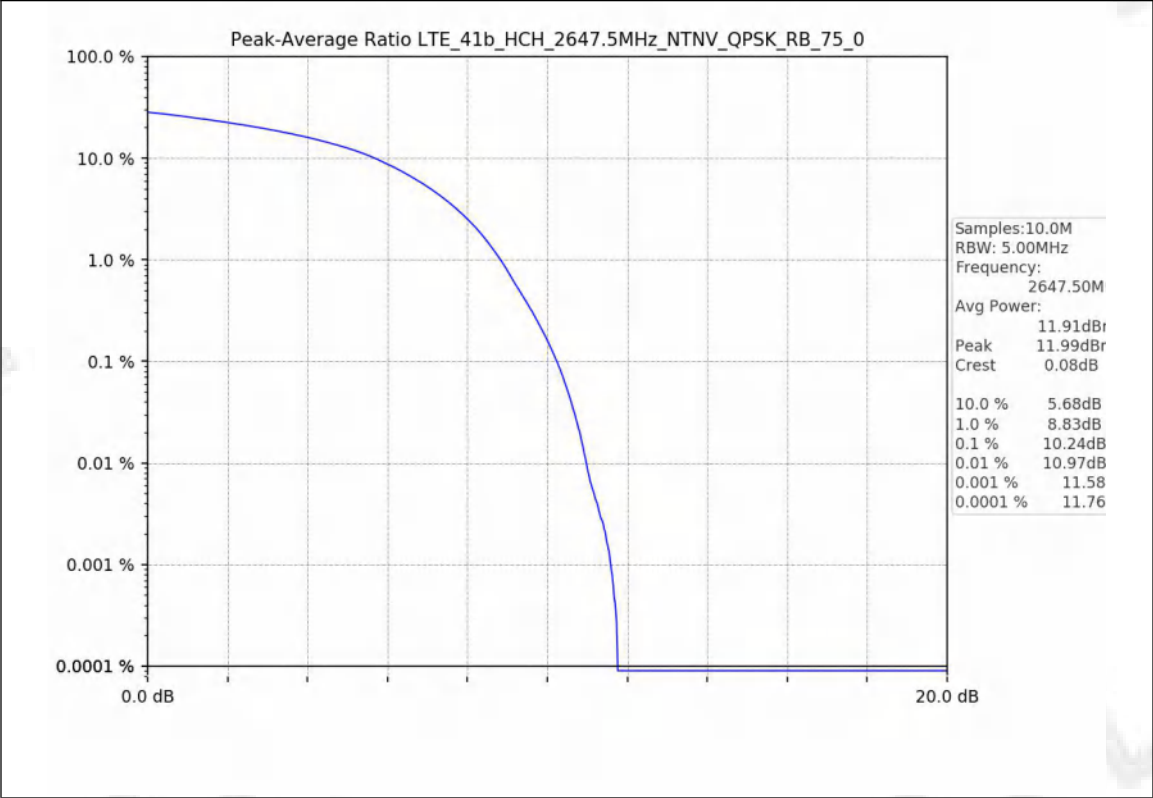
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	10.18	10.35	10.24	13	PASS
16QAM	75	0	10.92	10.82	10.86	13	PASS

5.2 Test Graph



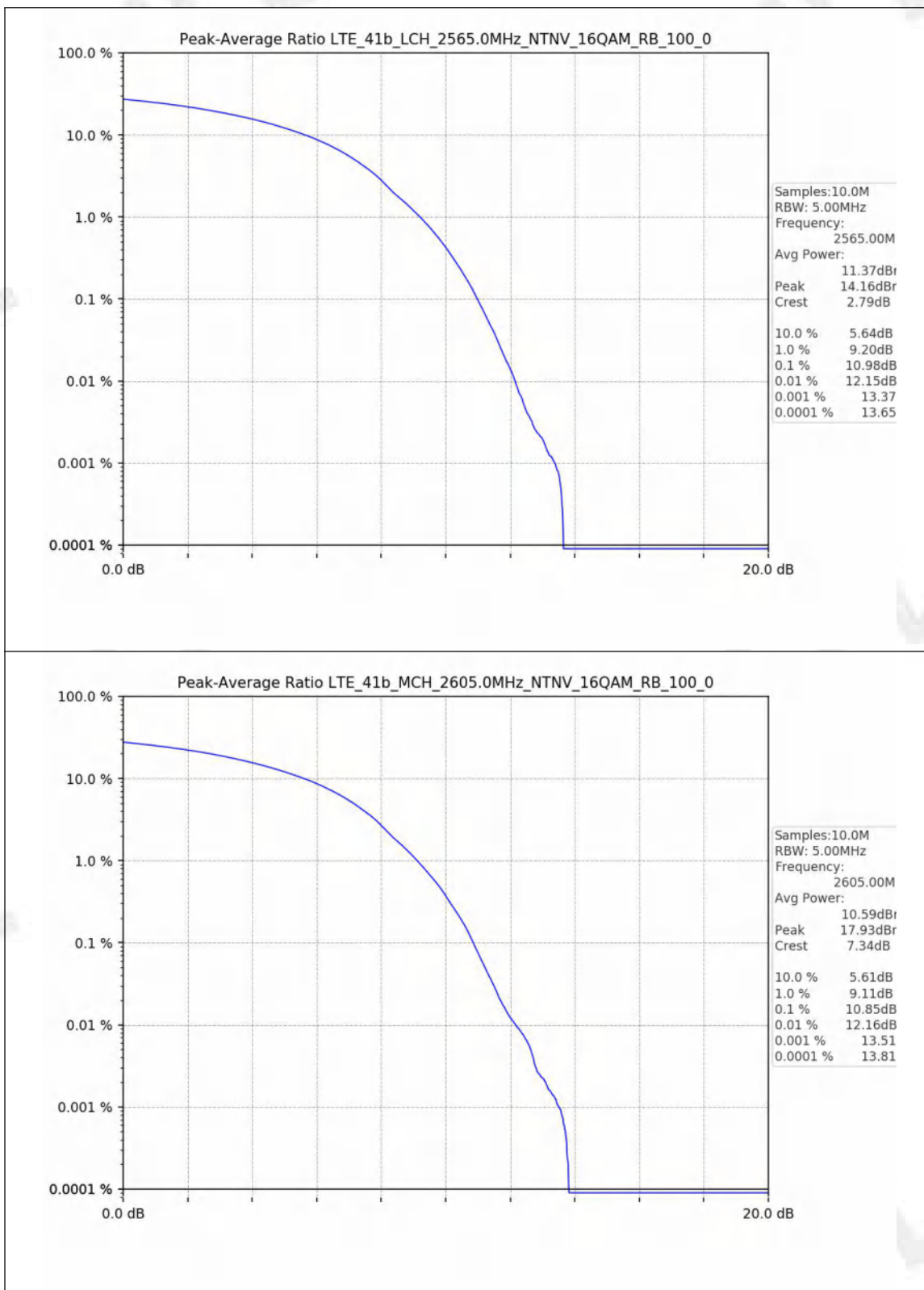


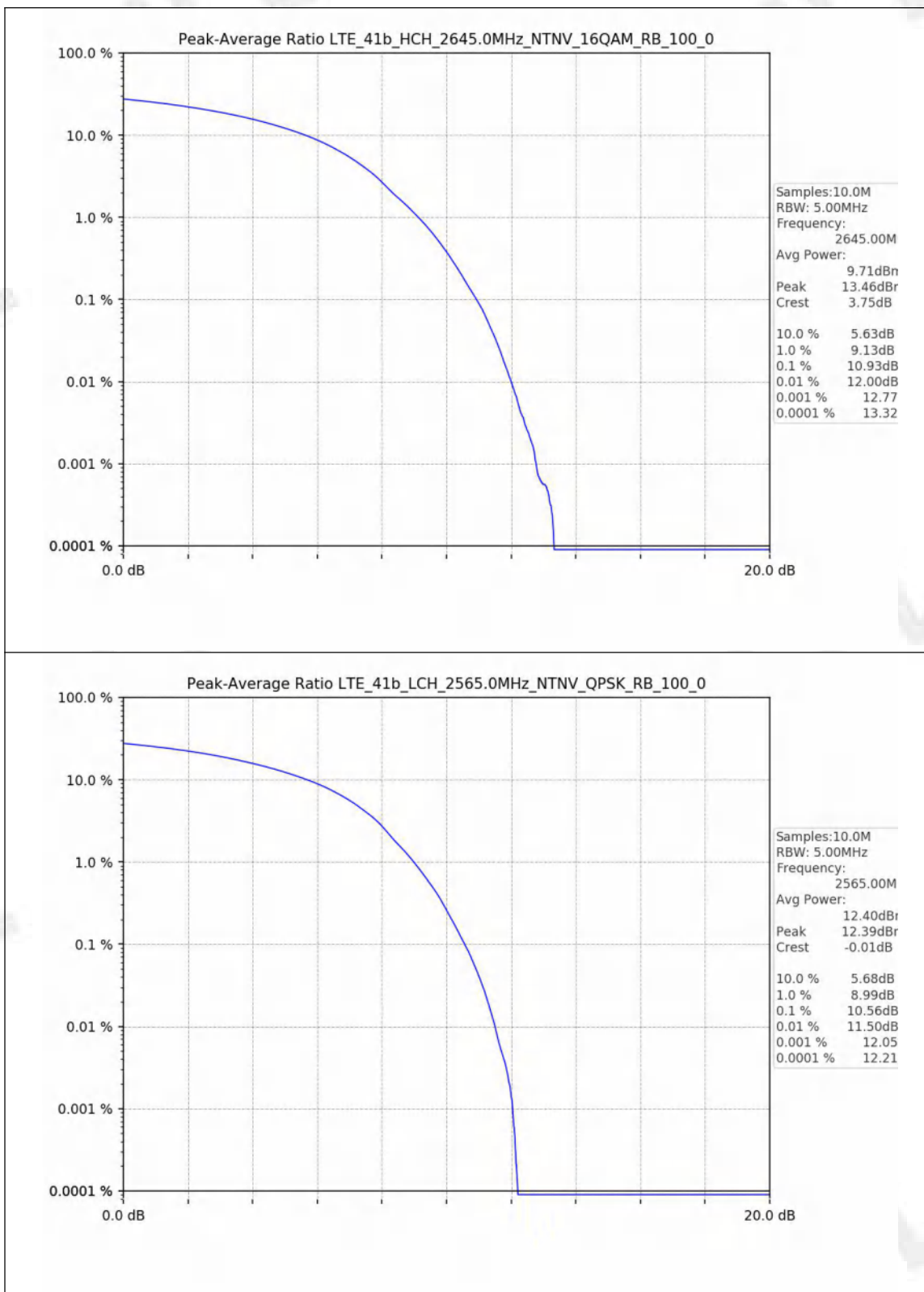


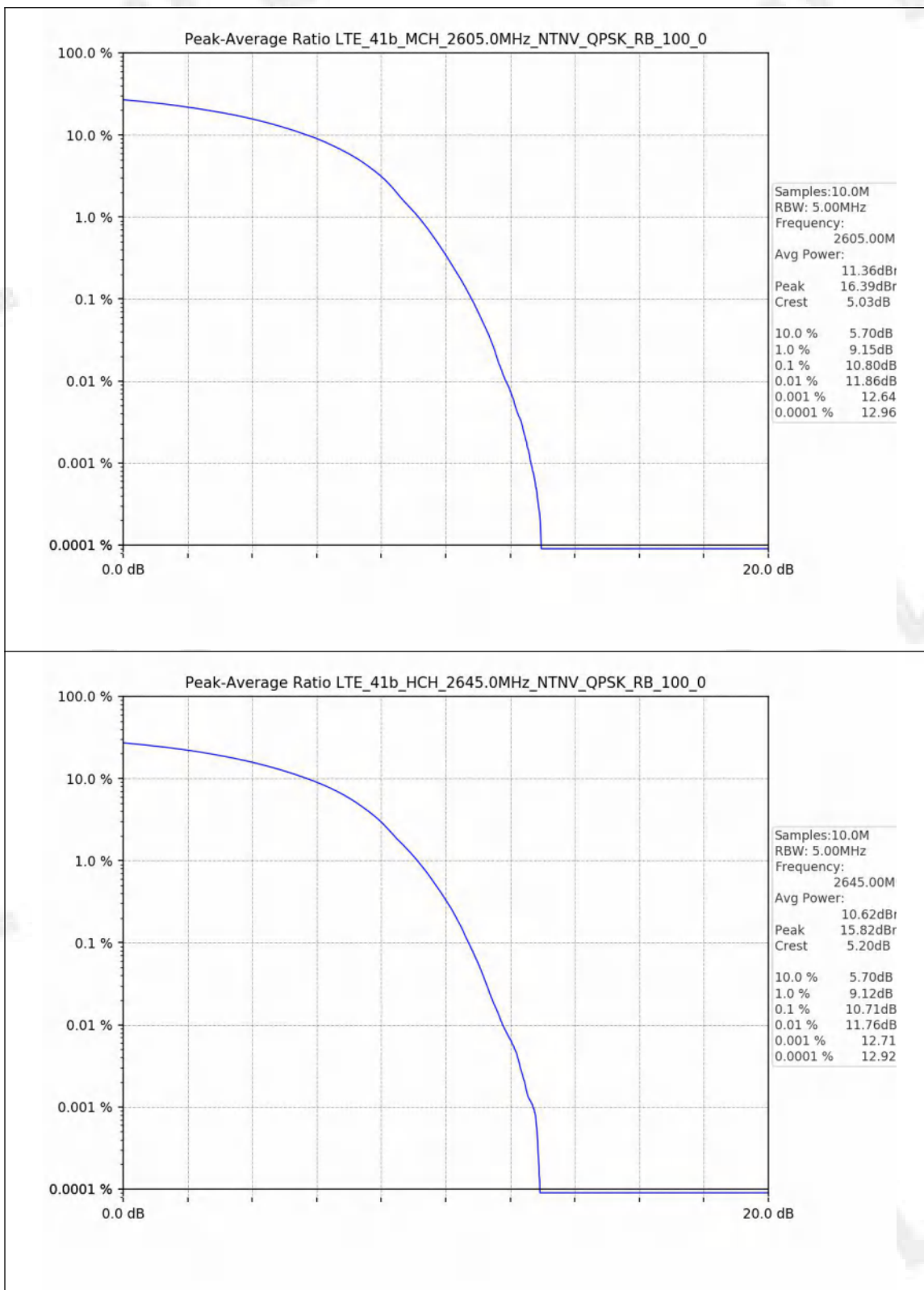


Test Band: 41b_20MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	10.56	10.80	10.71	13	PASS
16QAM	100	0	10.98	10.85	10.93	13	PASS

5.2 Test Graph







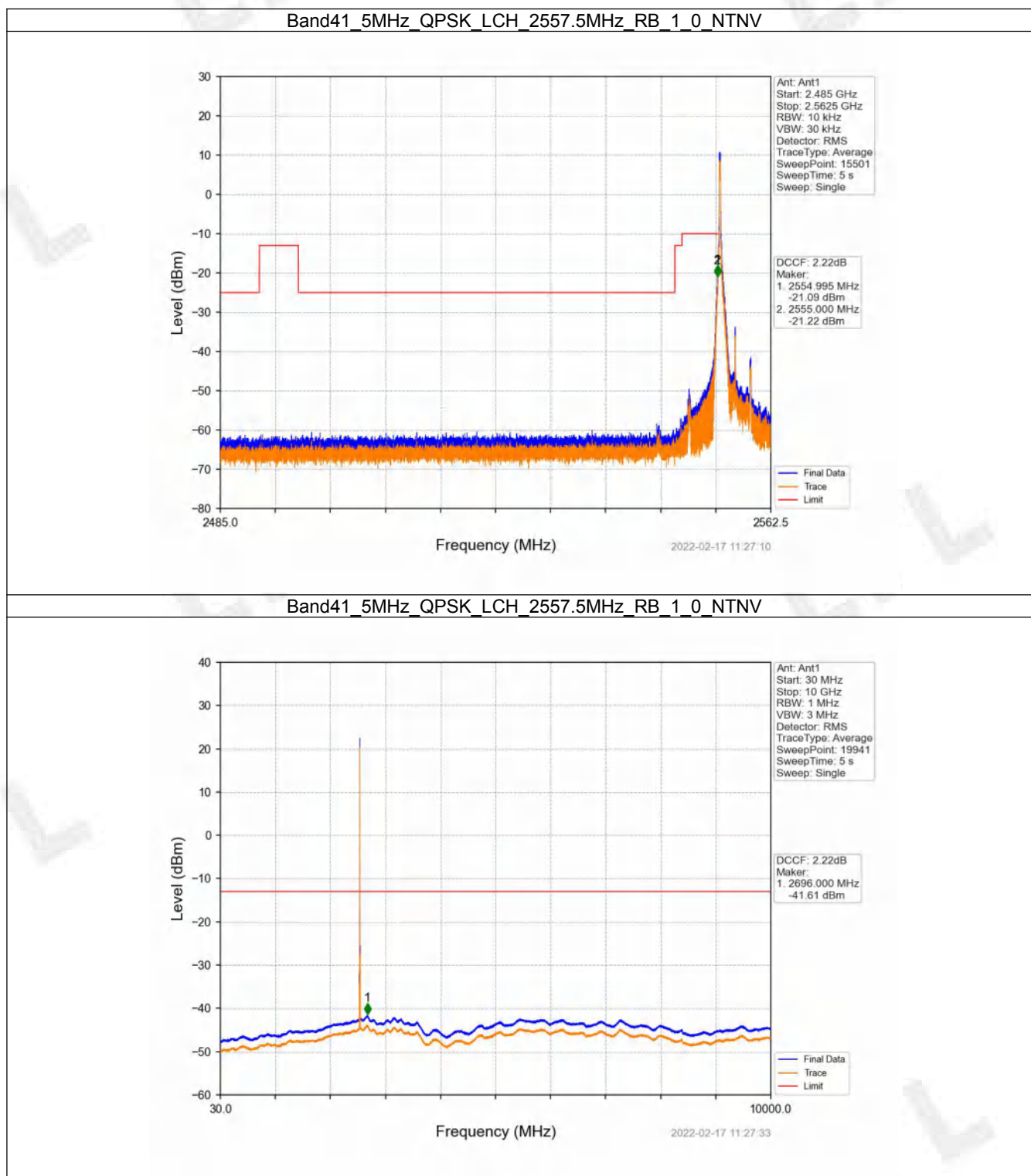
6. Spurious Emission

6.1 B41_5MHz

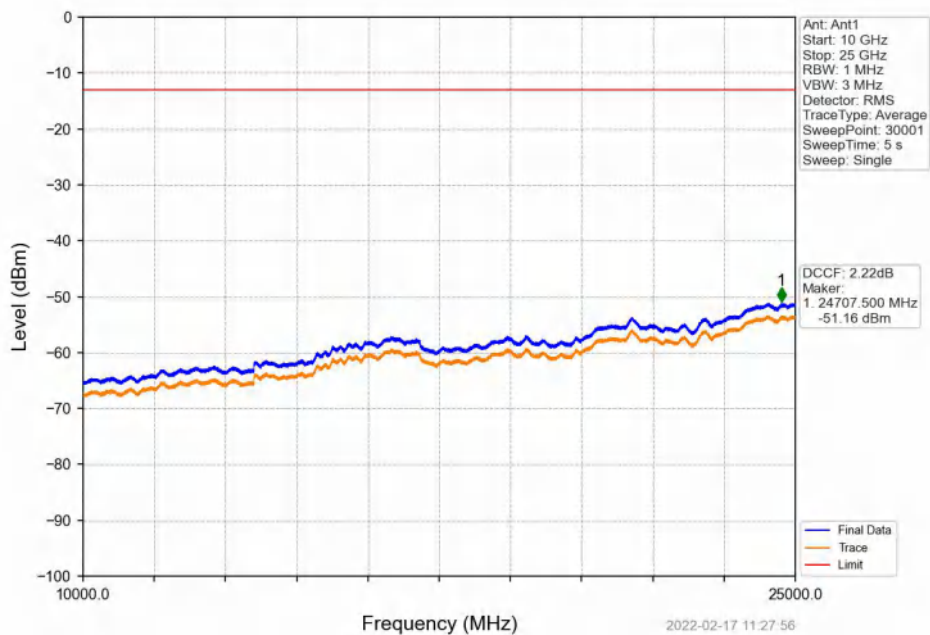
6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2557.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2605	1	0	Refer To Test Graph	Pass
	2652.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	2557.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2605	1	0	Refer To Test Graph	Pass
	2652.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

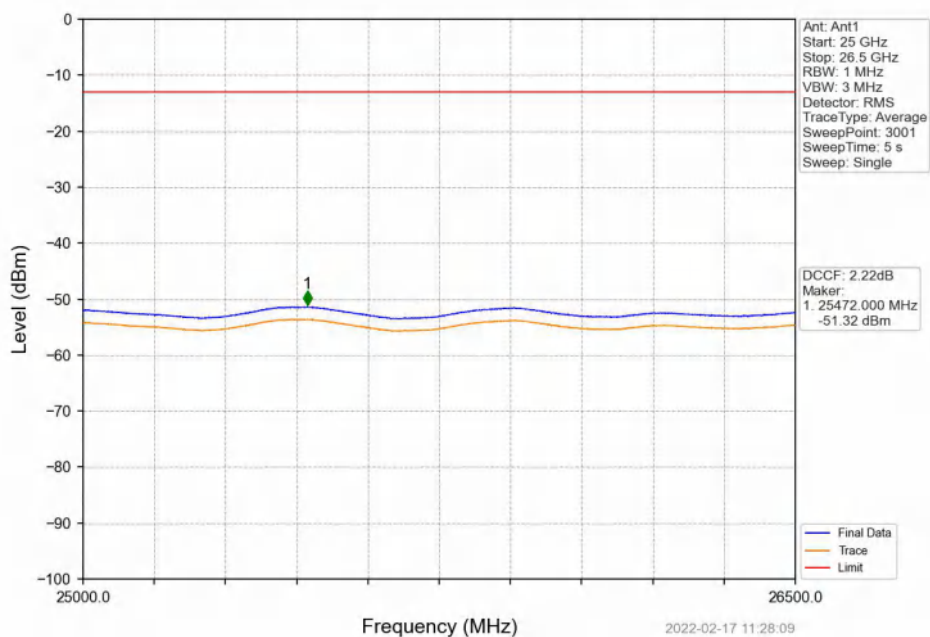
6.1.2 Test Graph



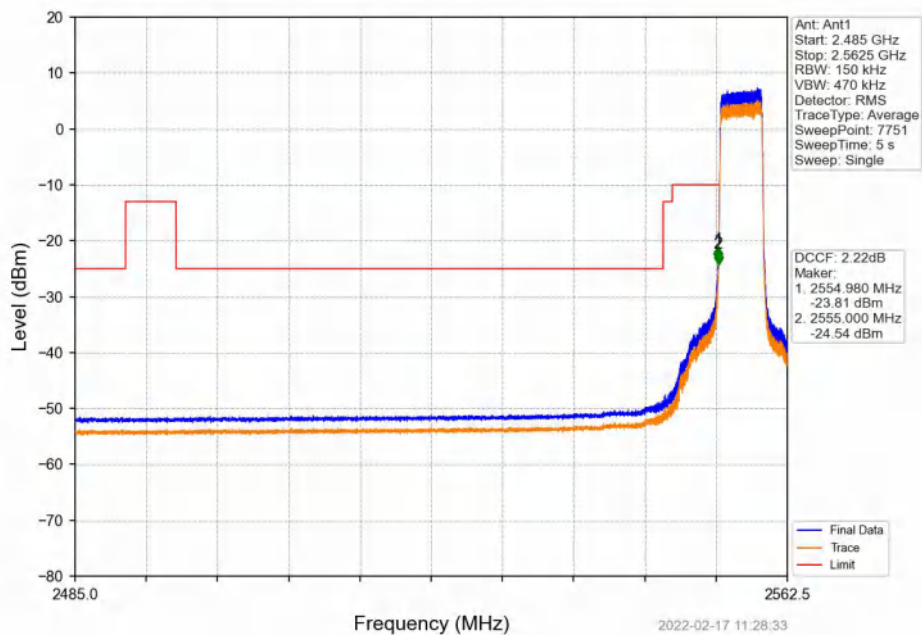
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



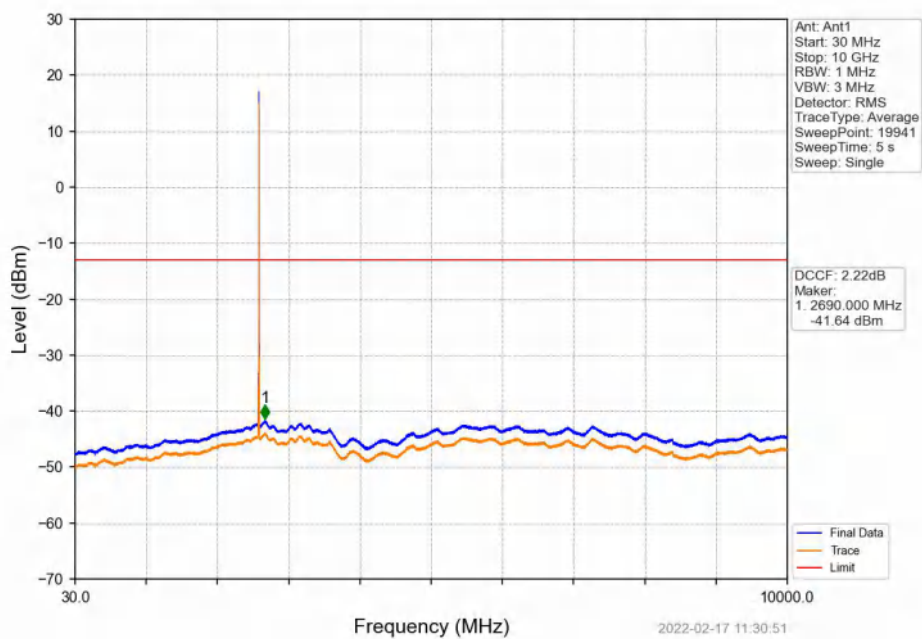
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



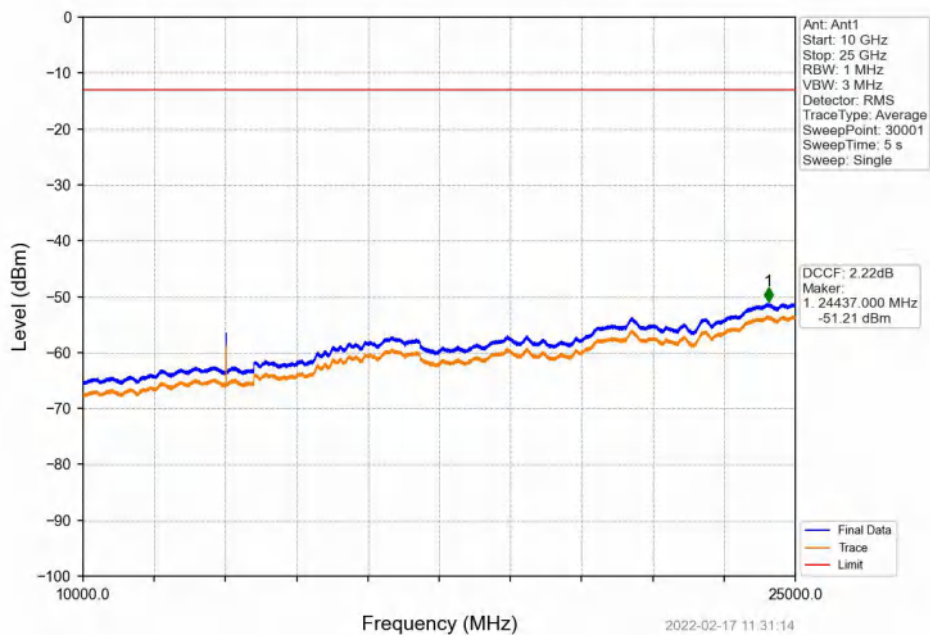
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



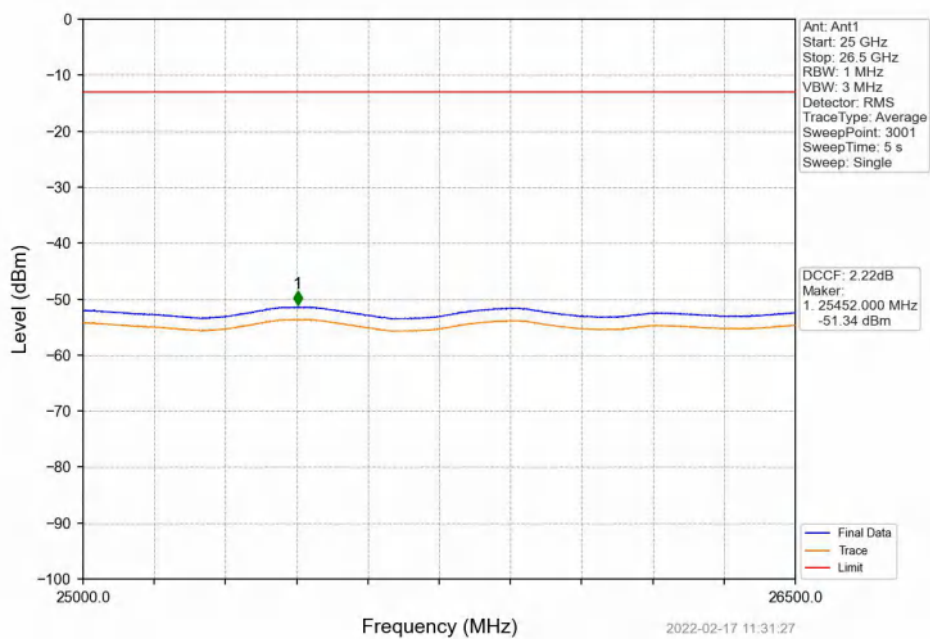
Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



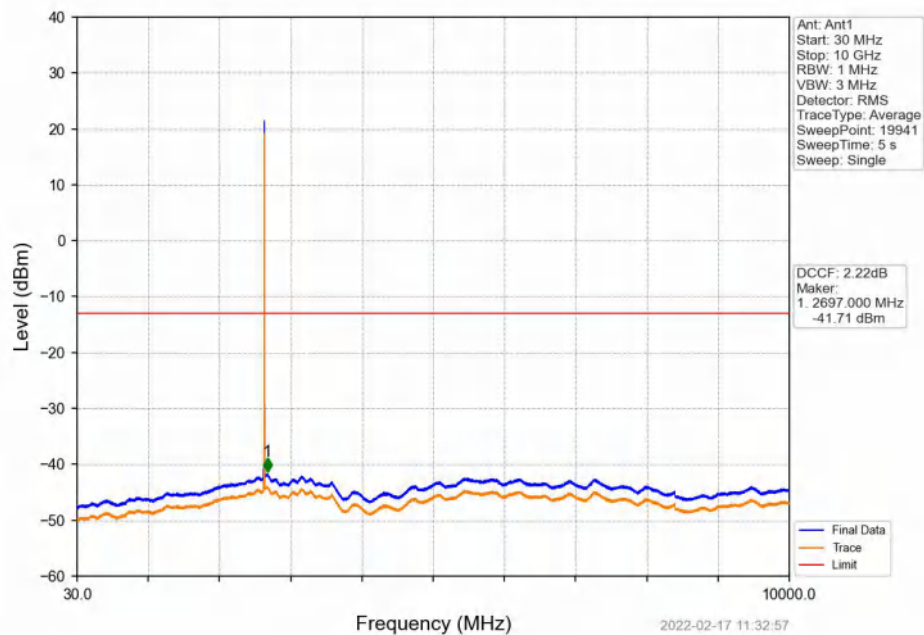
Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



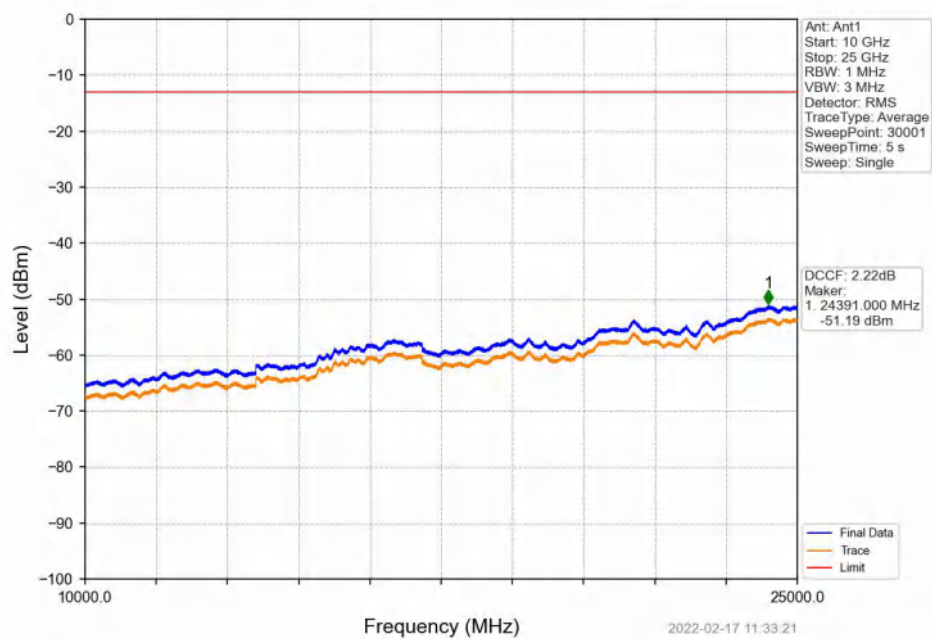
Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



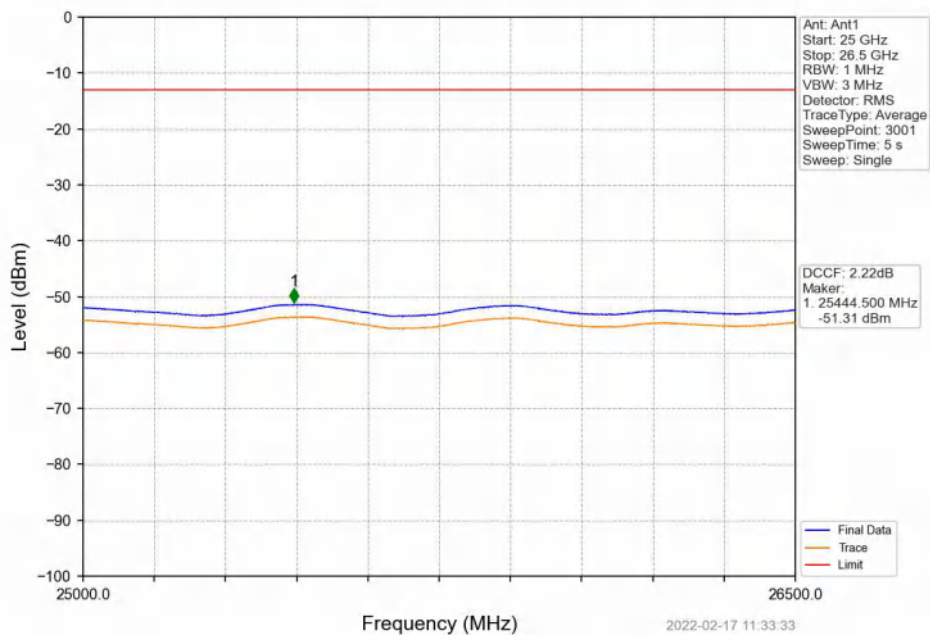
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



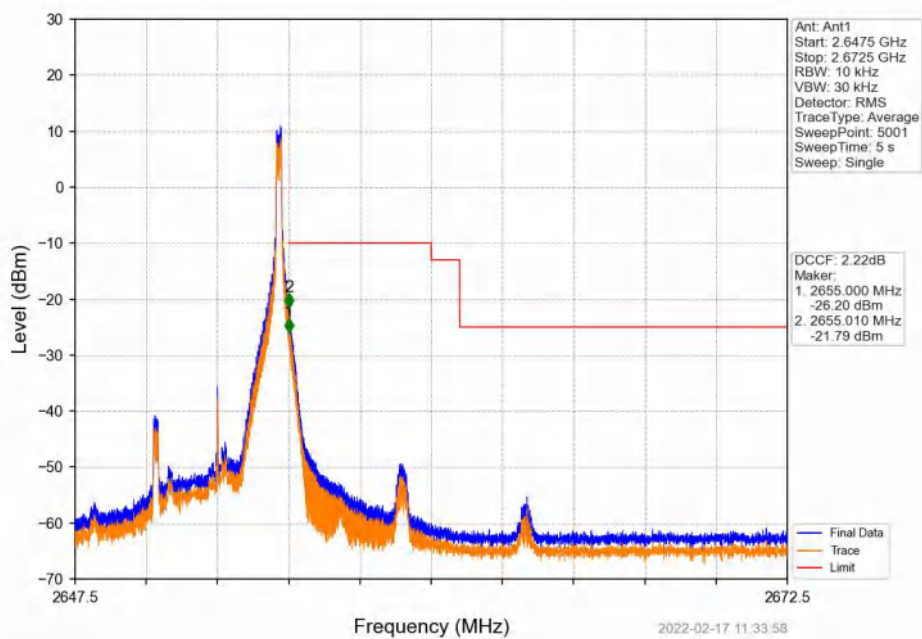
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



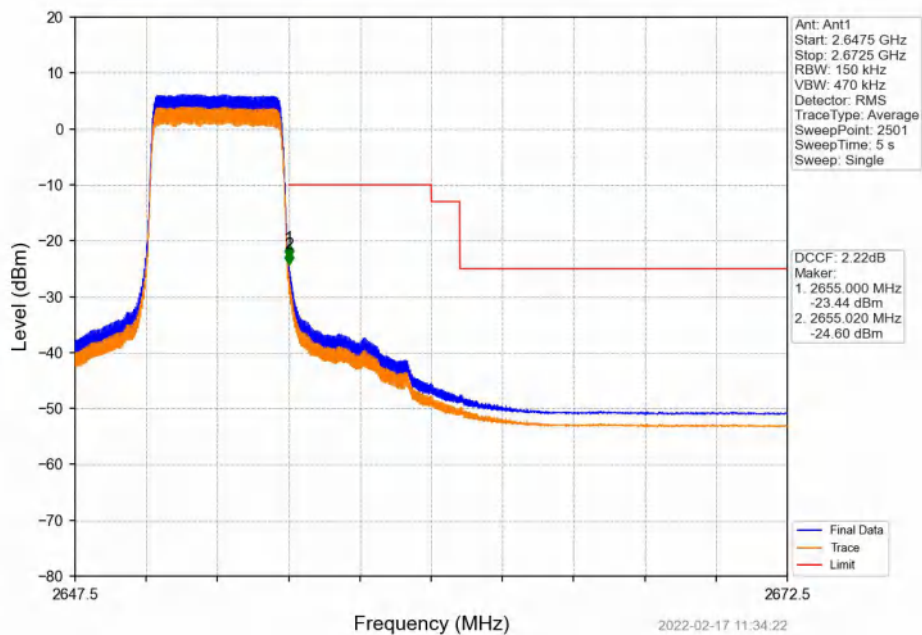
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



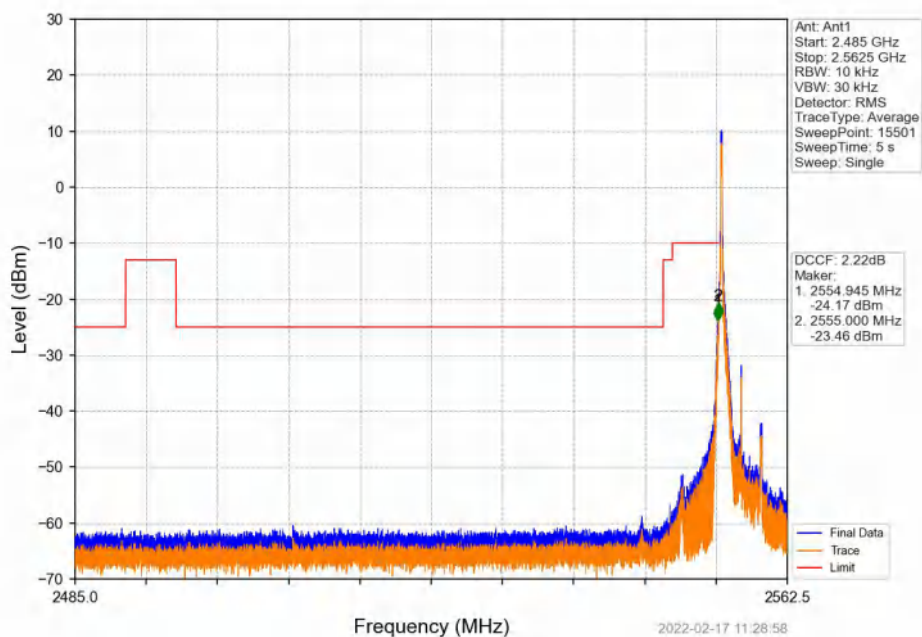
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_24_NTNV



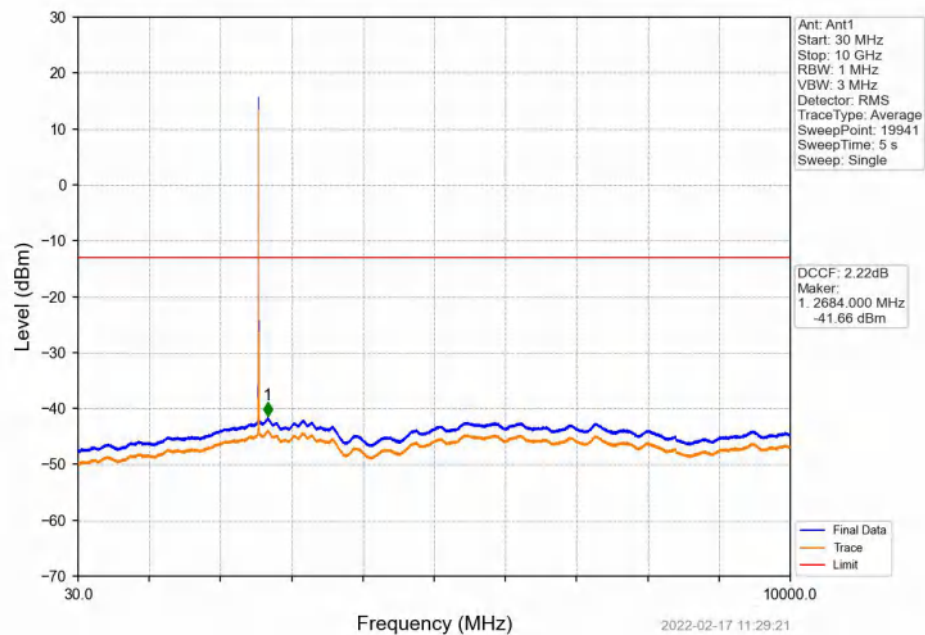
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



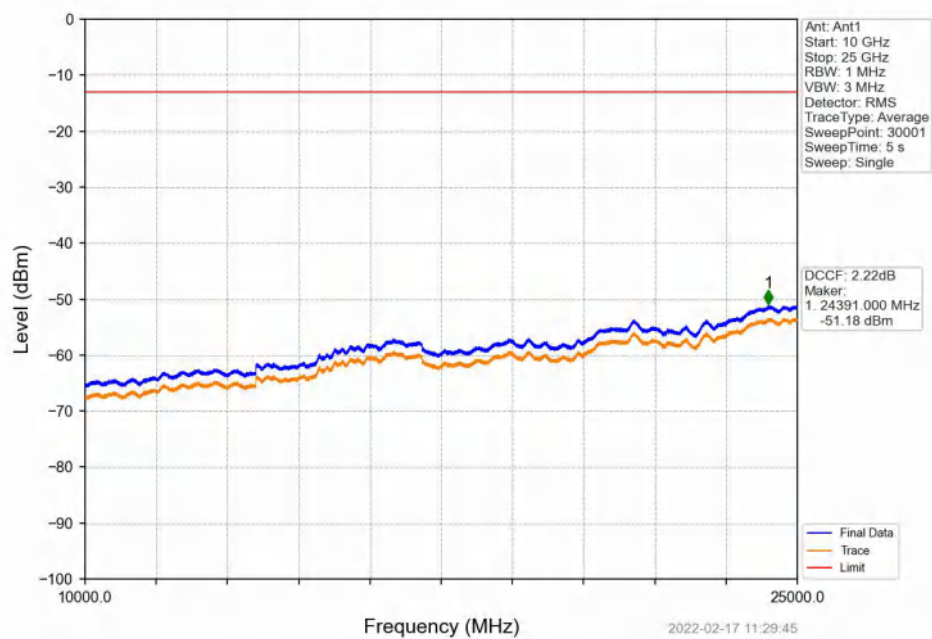
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



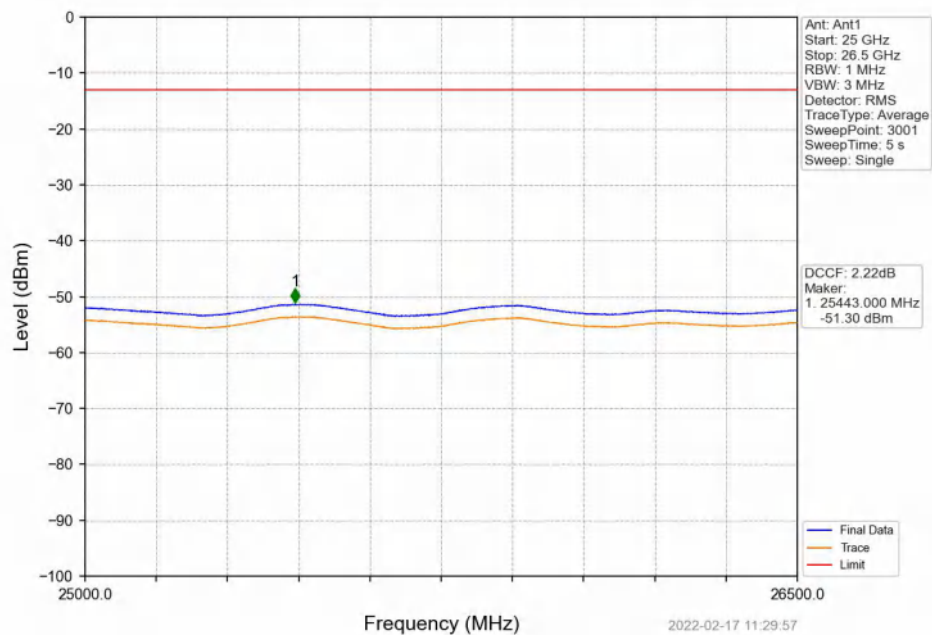
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



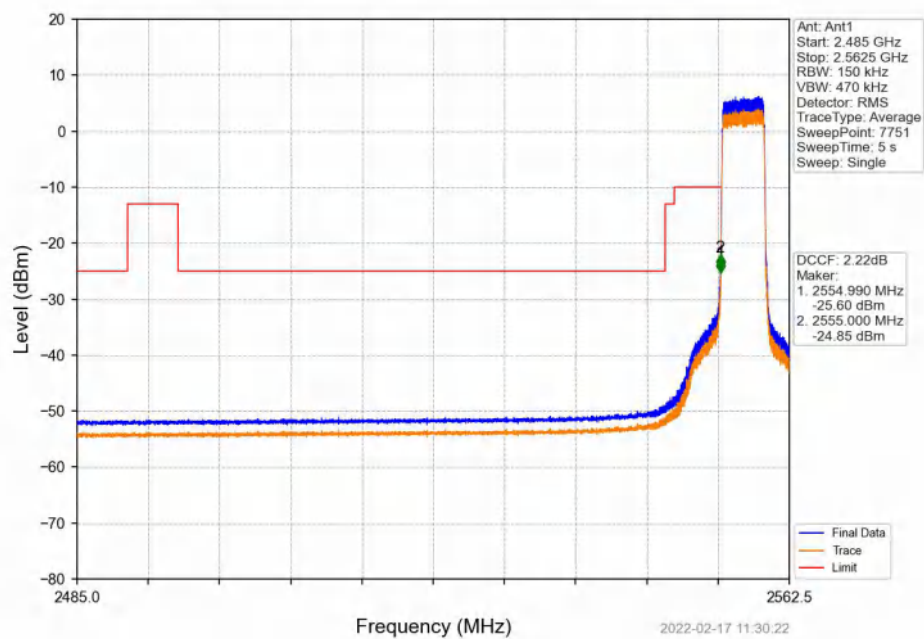
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



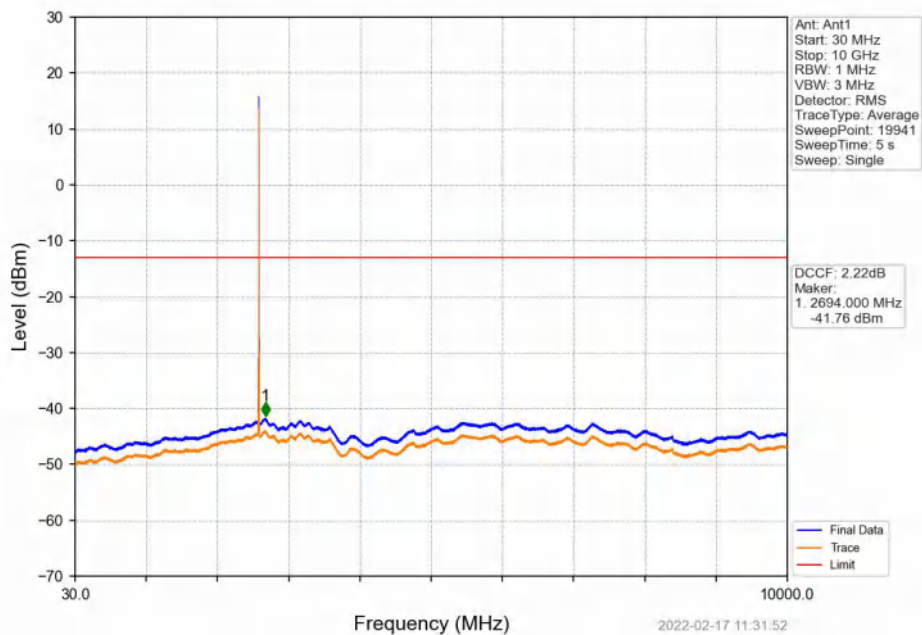
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



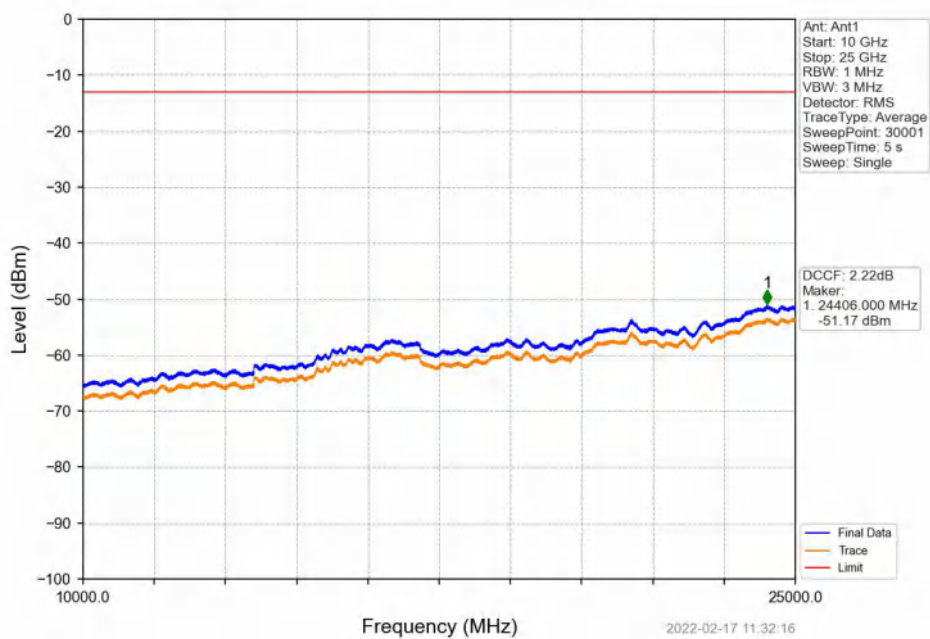
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



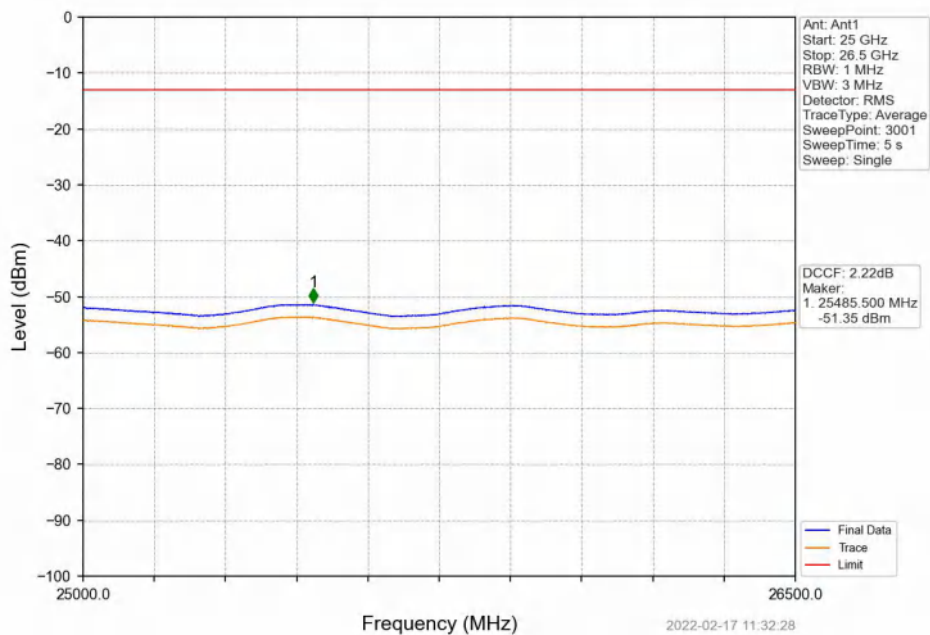
Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



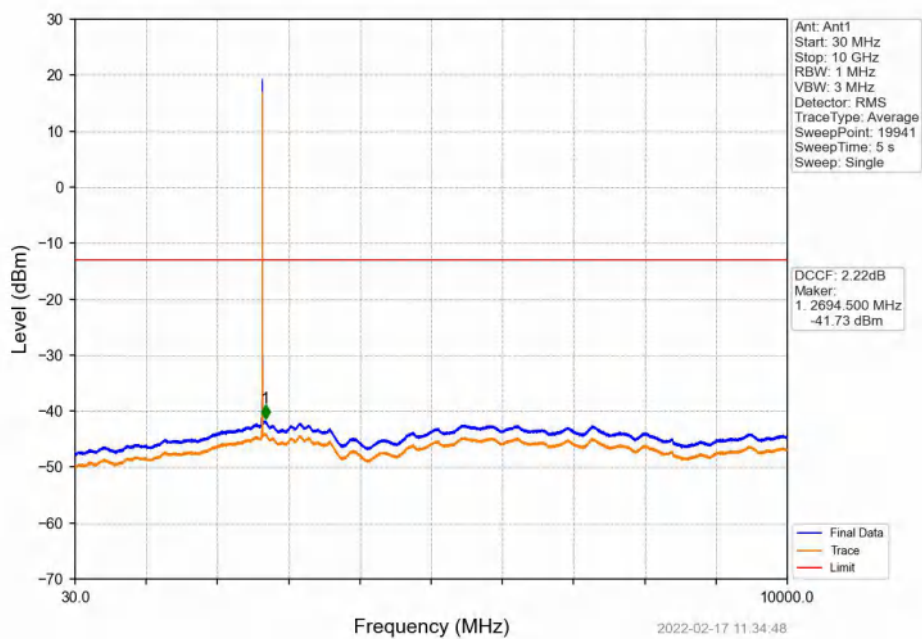
Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



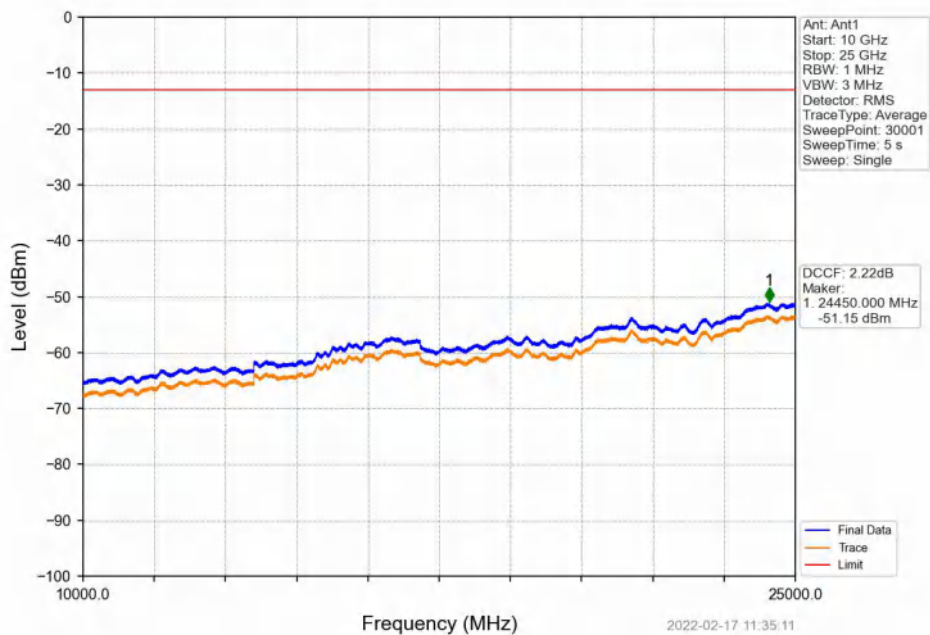
Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



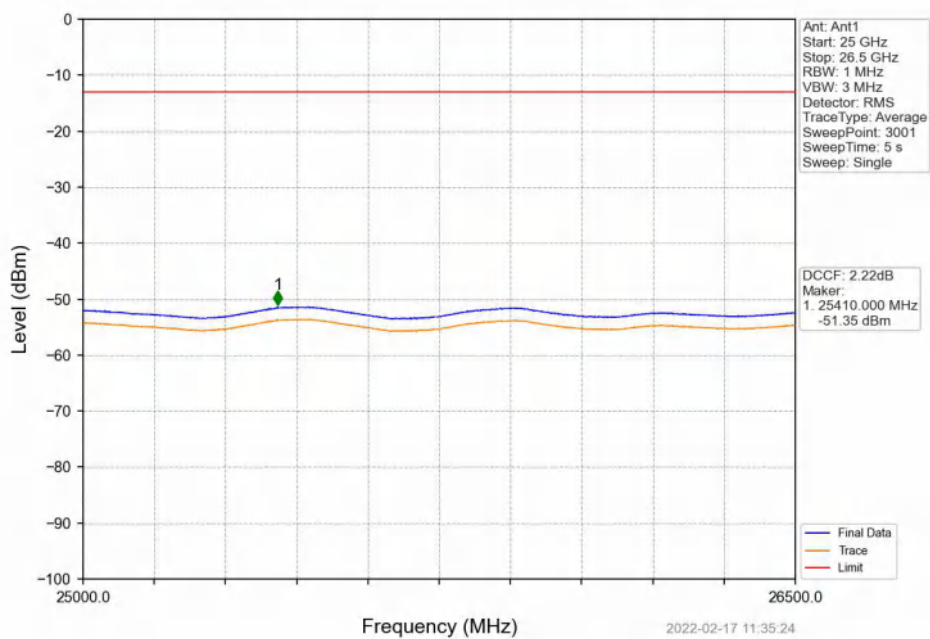
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



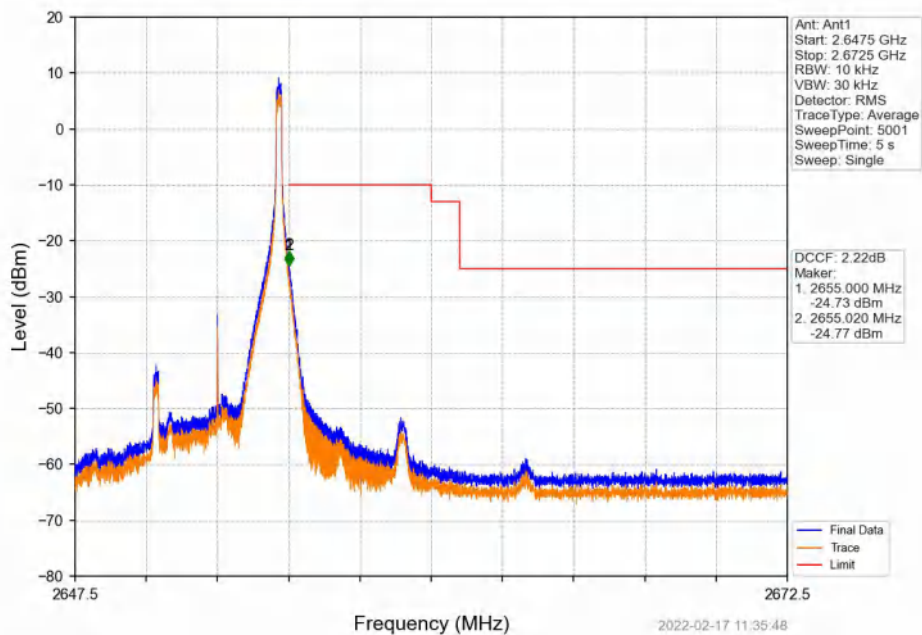
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



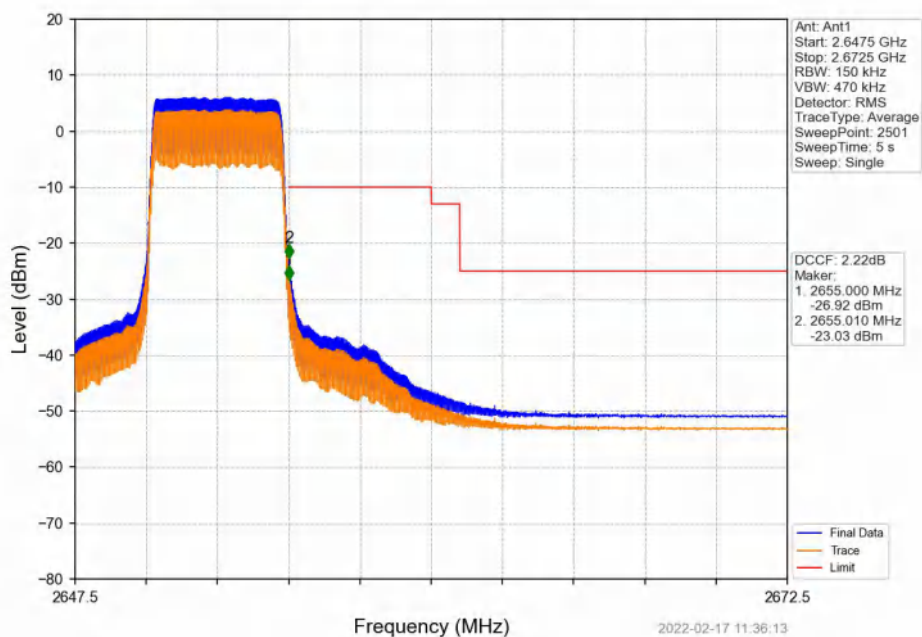
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_24_NTNV



Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV

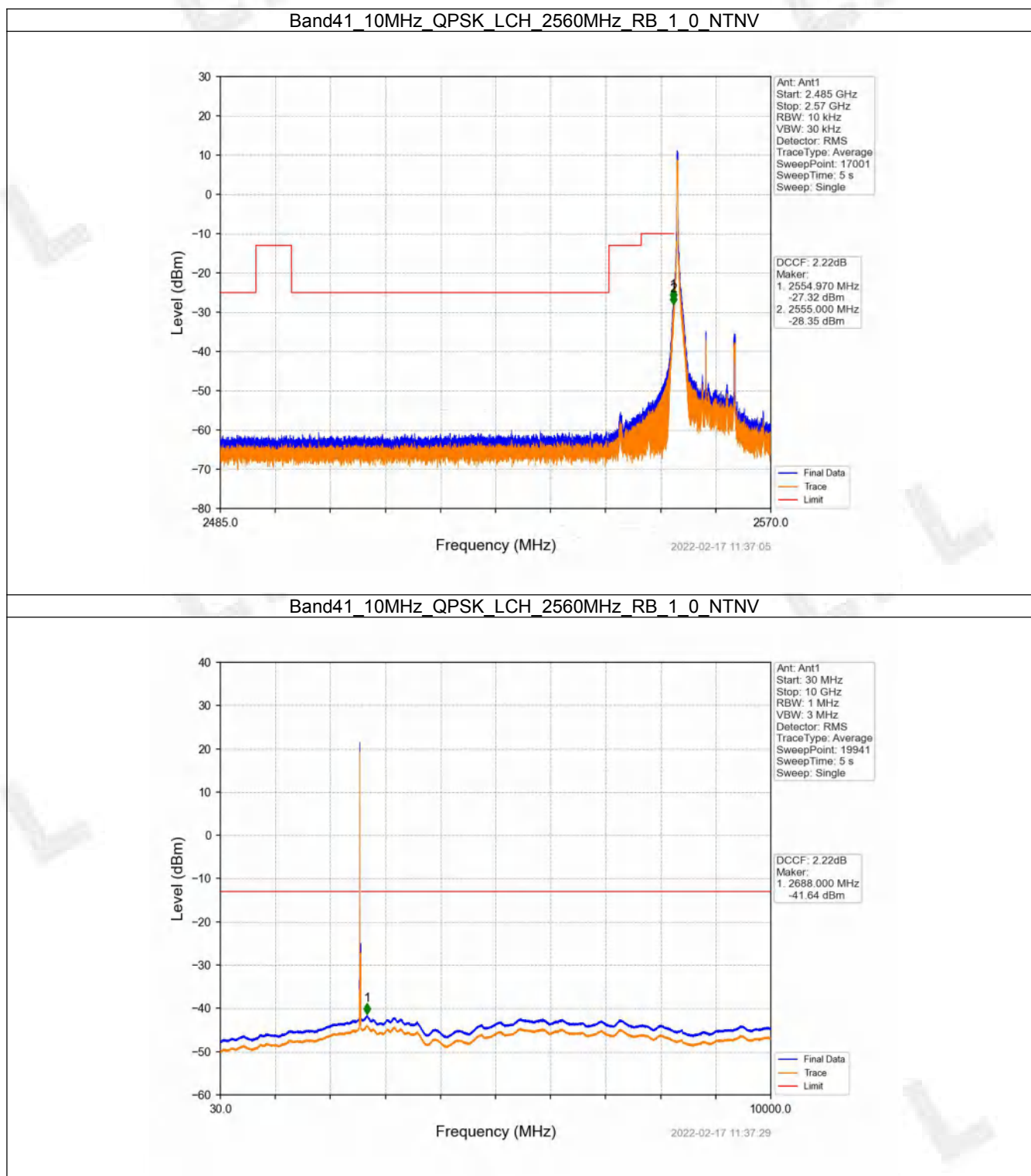


6.2 B41_10MHz

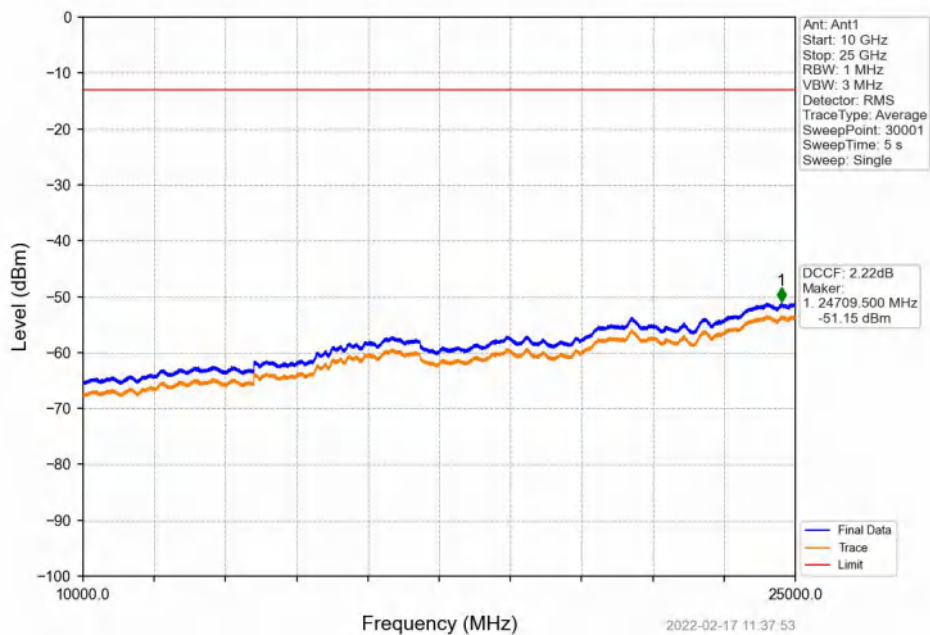
6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2560	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2605	1	0	Refer To Test Graph	Pass
	2650	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	2560	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2605	1	0	Refer To Test Graph	Pass
	2650	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

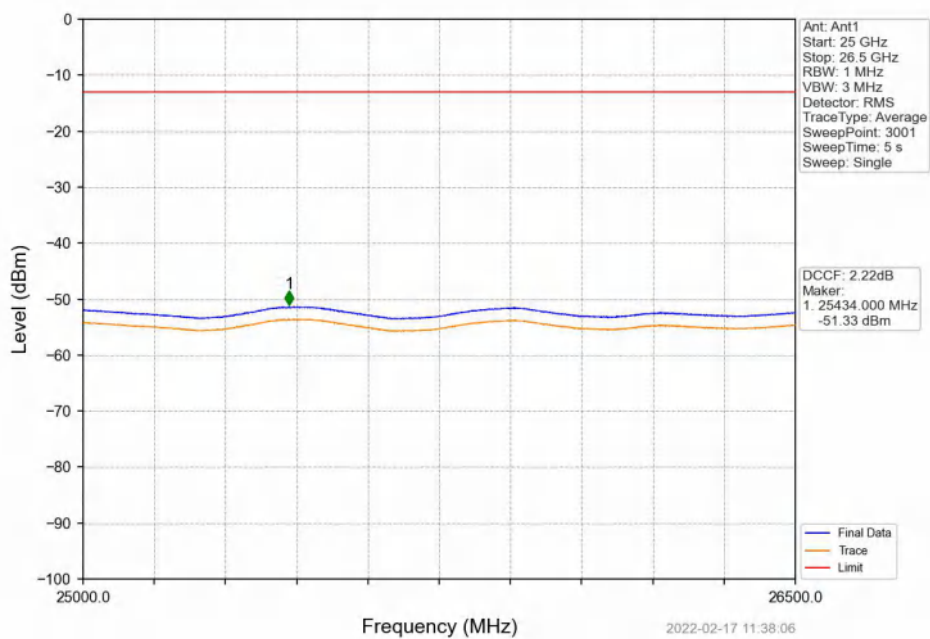
6.2.2 Test Graph



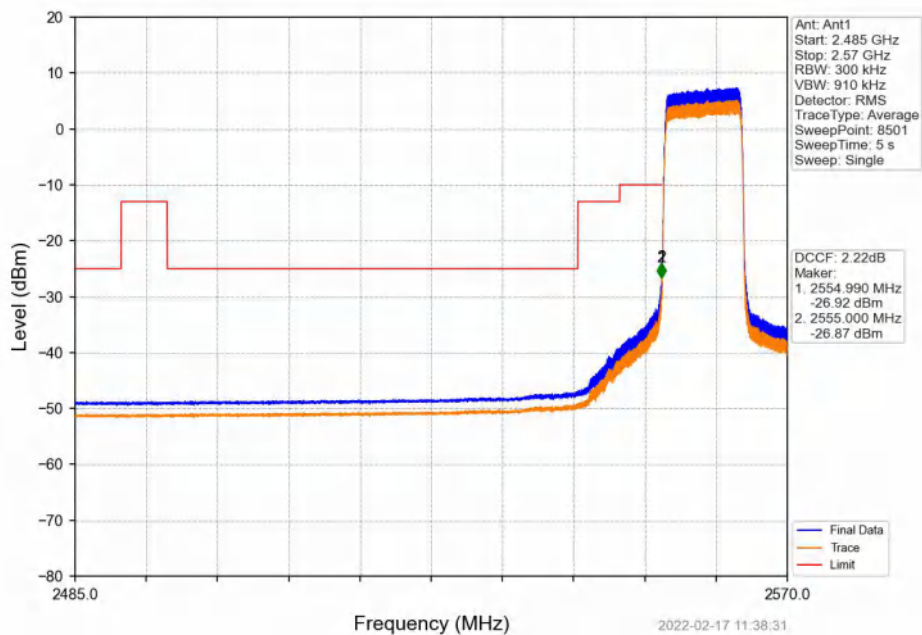
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



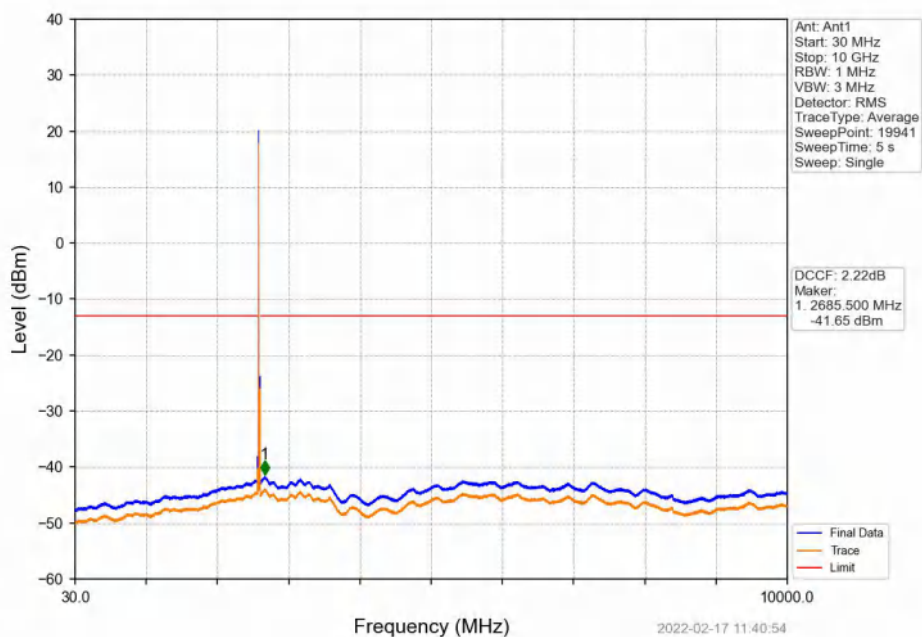
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



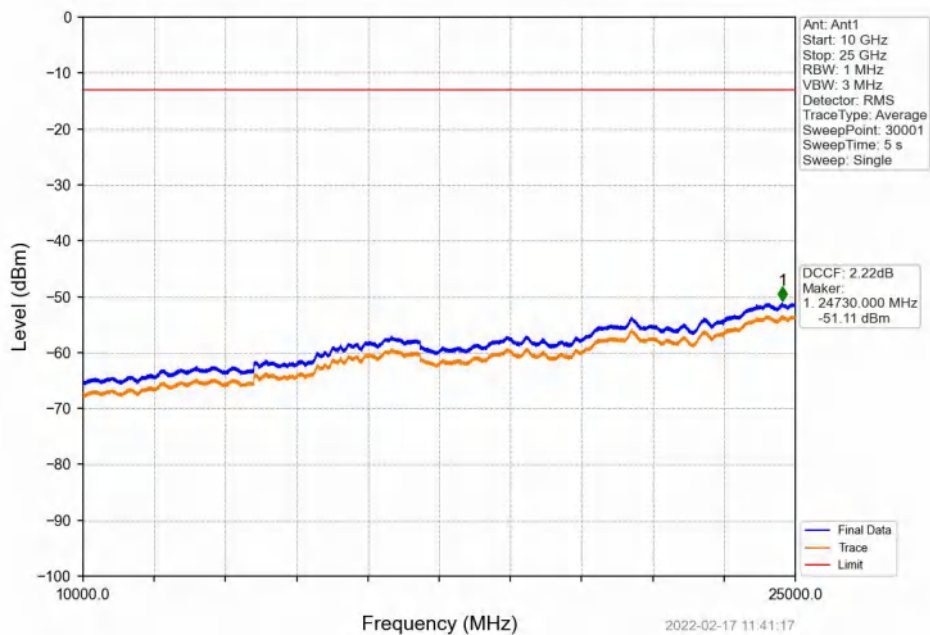
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



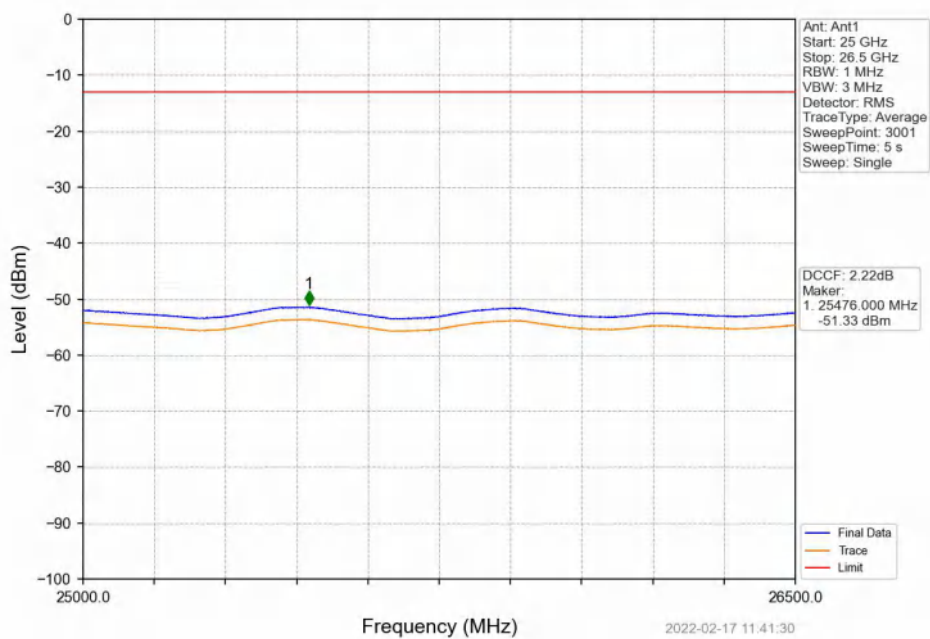
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



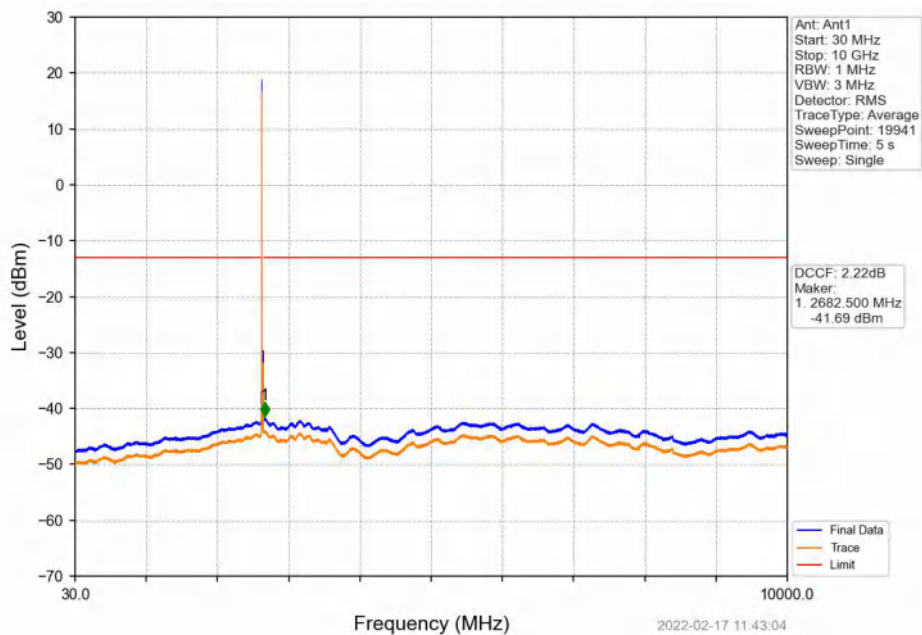
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



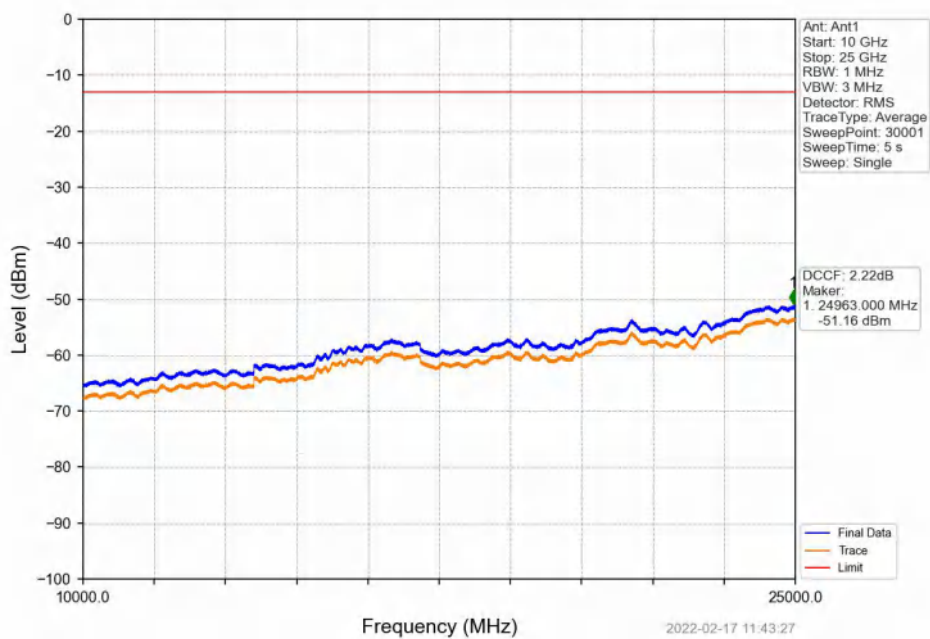
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



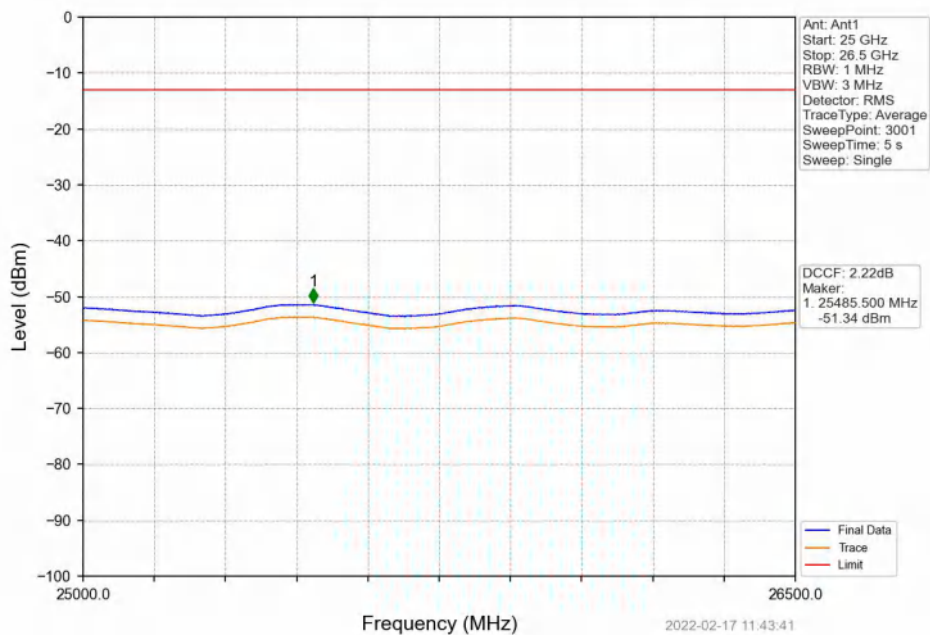
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



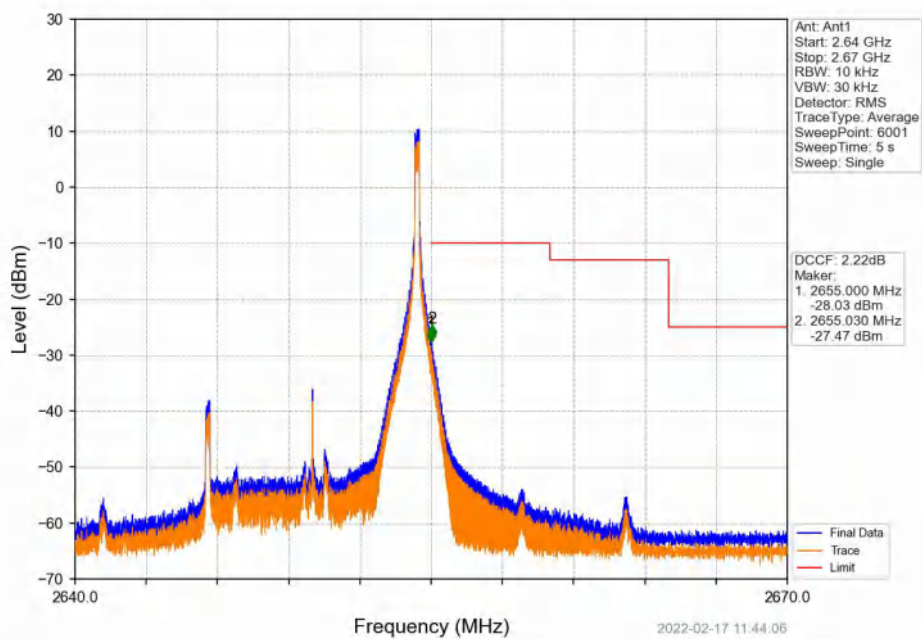
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



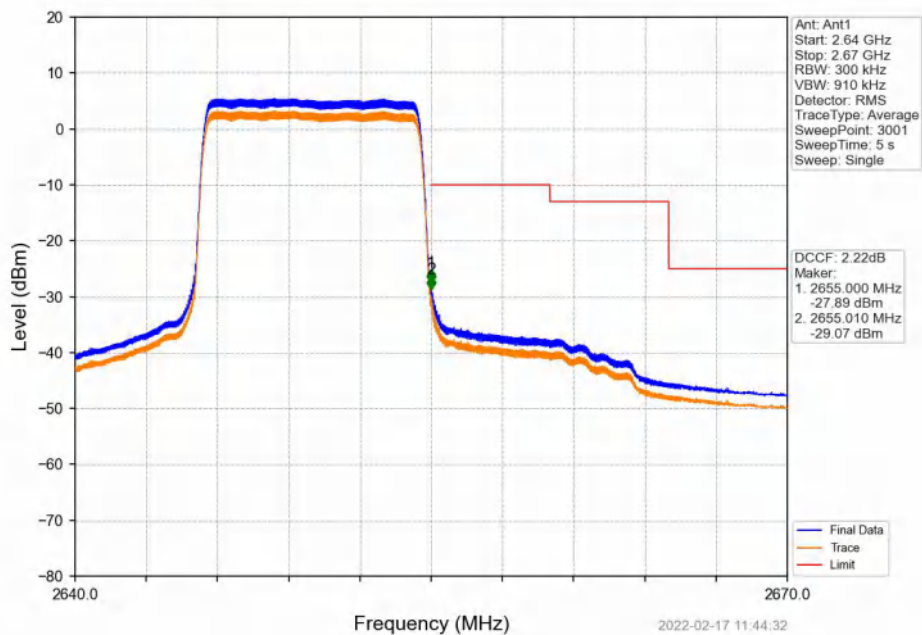
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



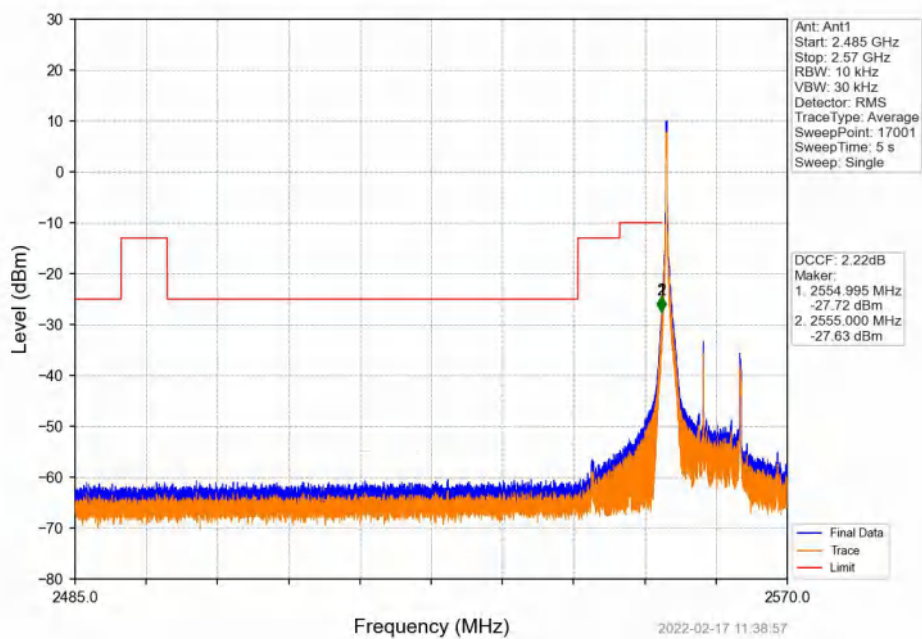
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_49_NTNV



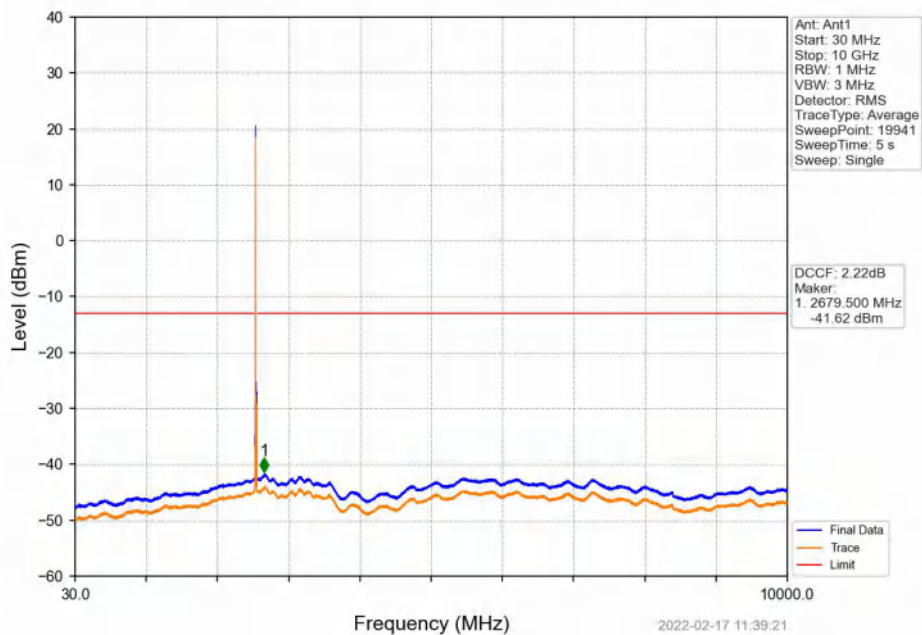
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



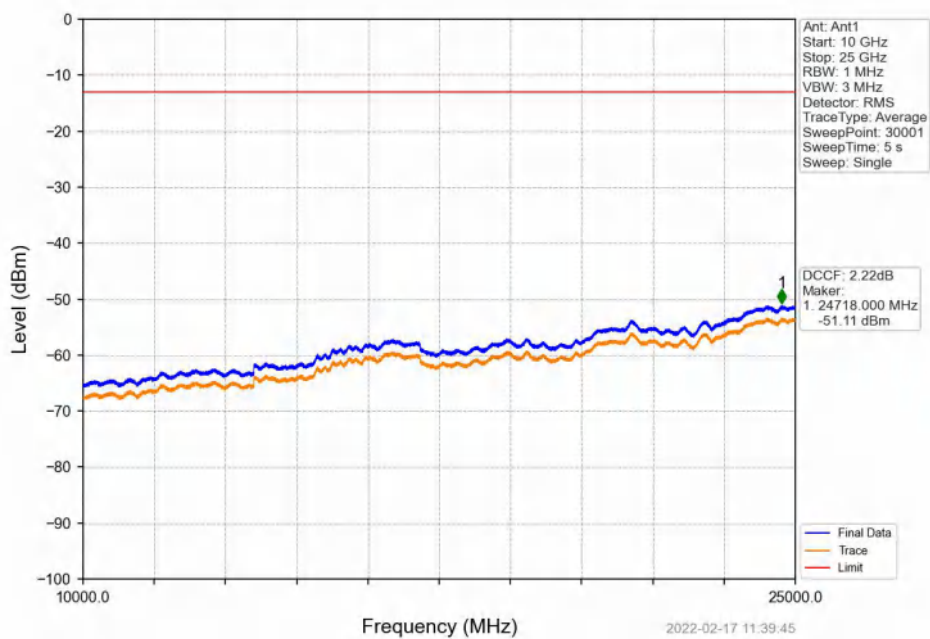
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



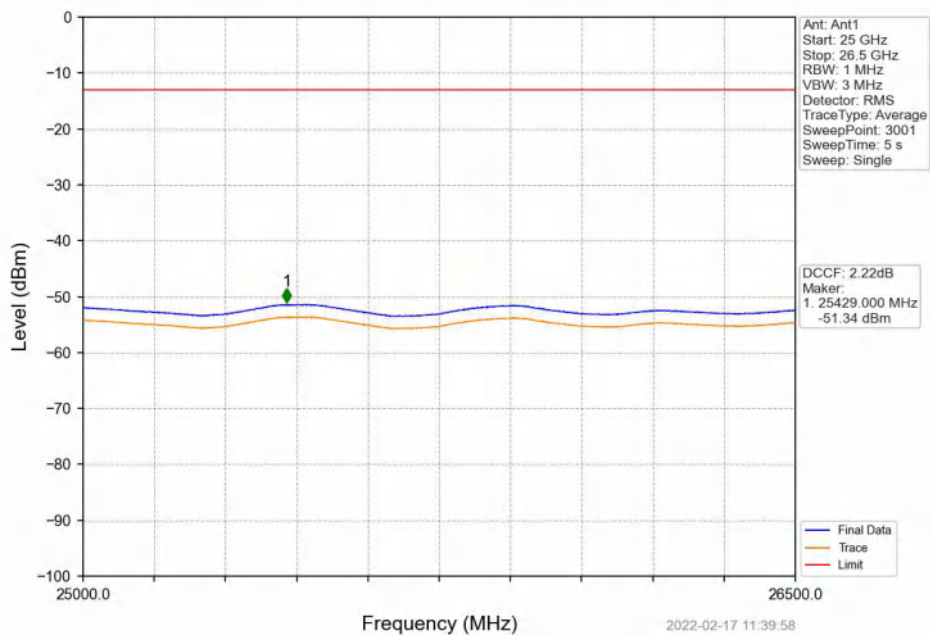
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



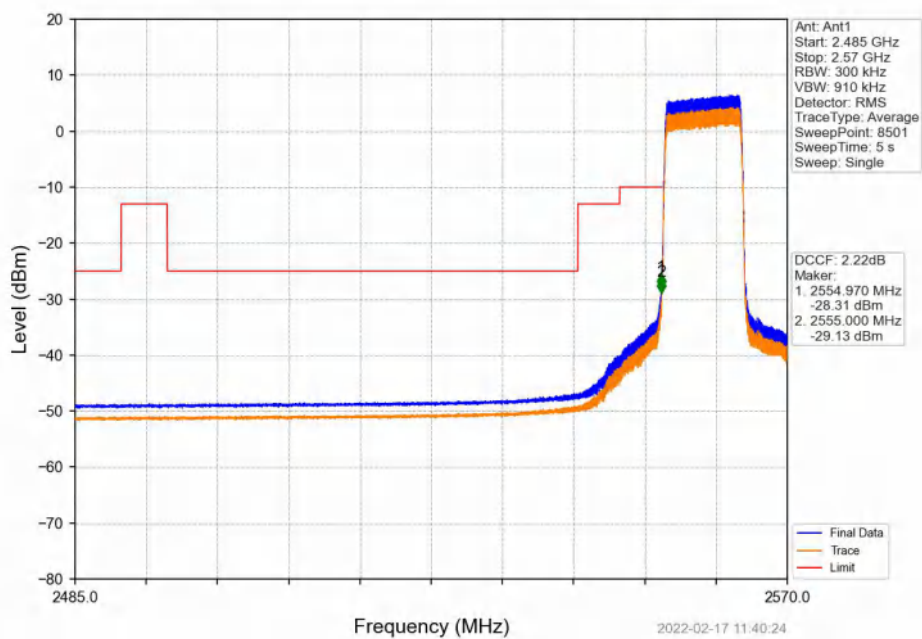
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



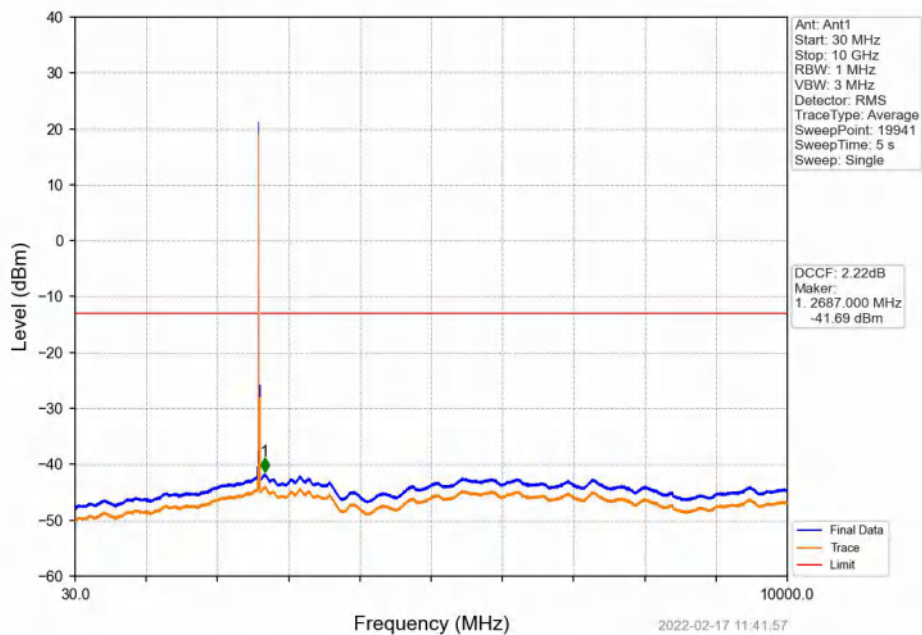
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



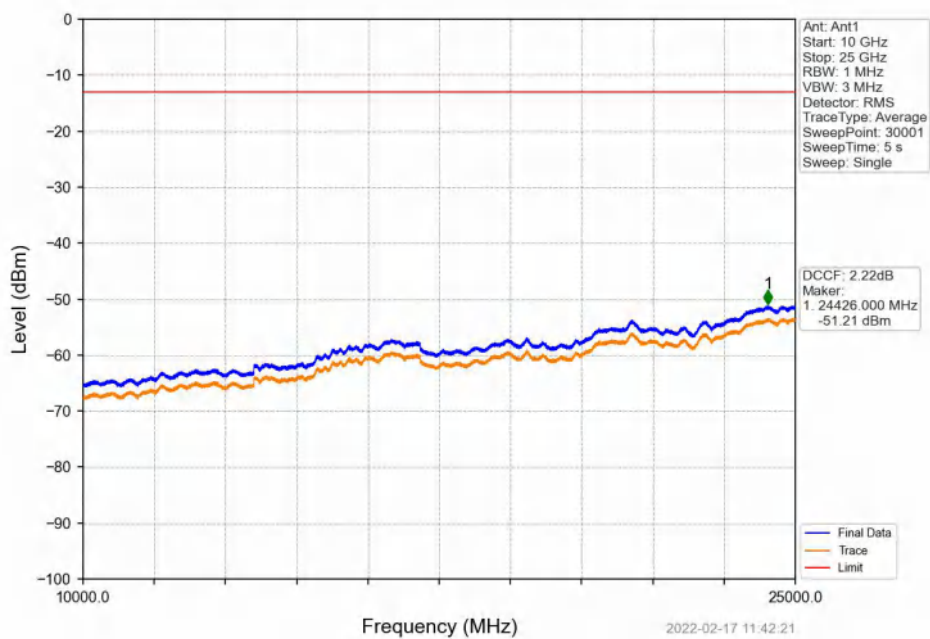
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



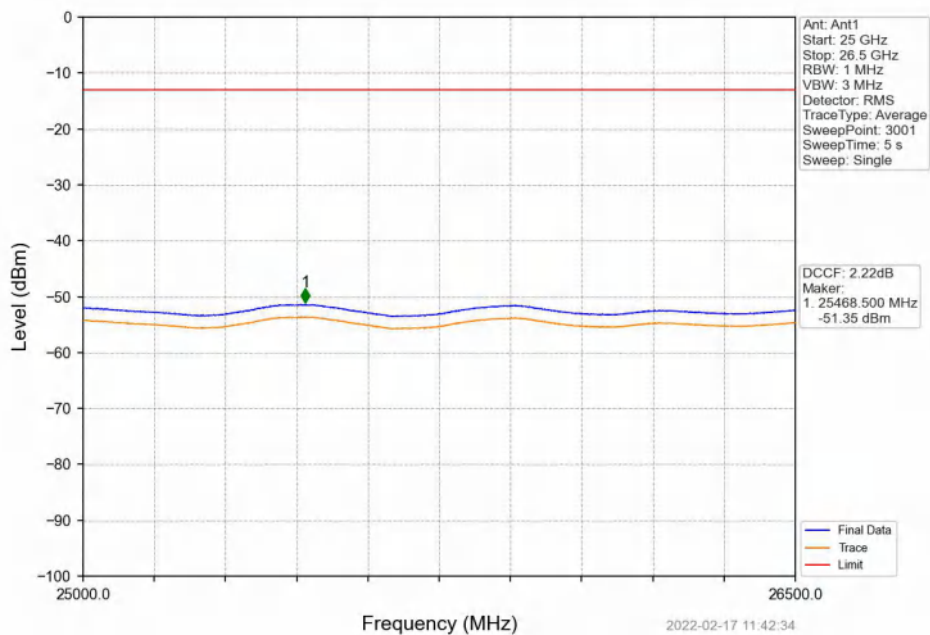
Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



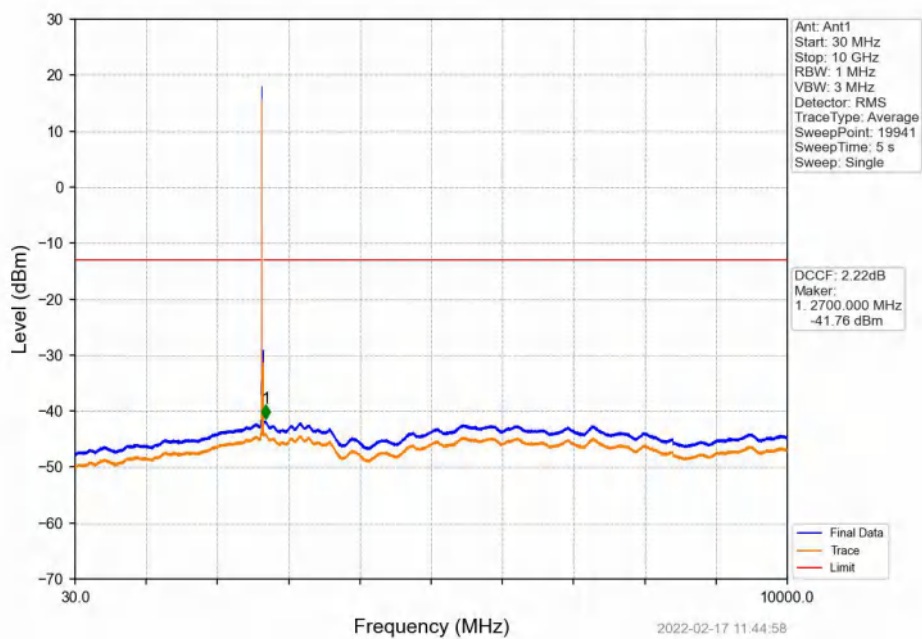
Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



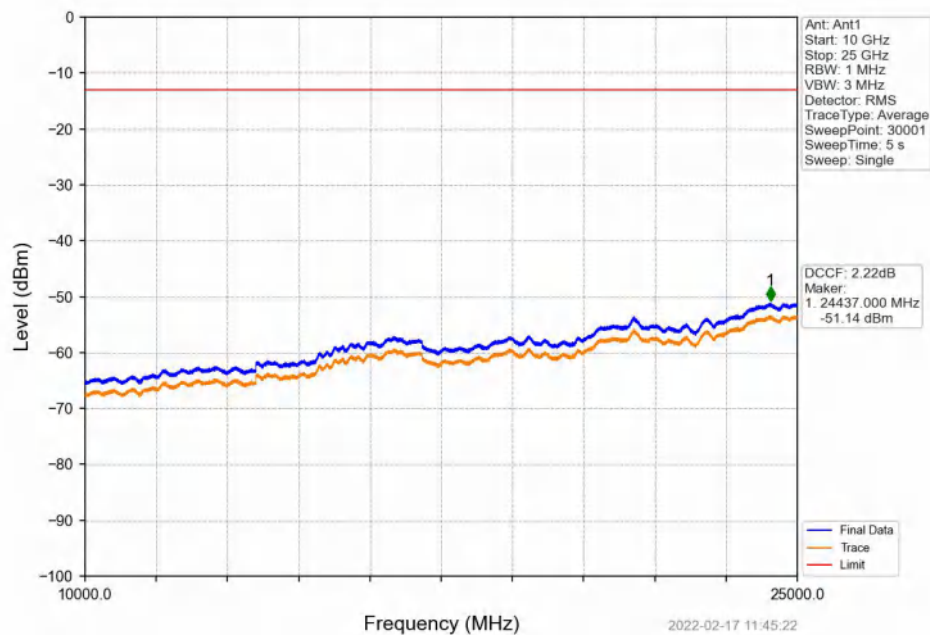
Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



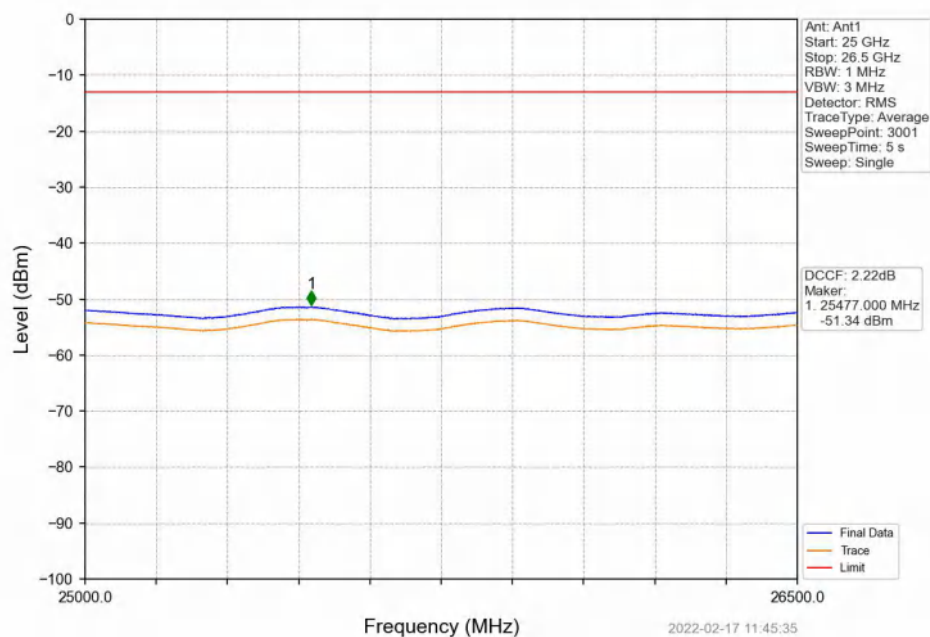
Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV



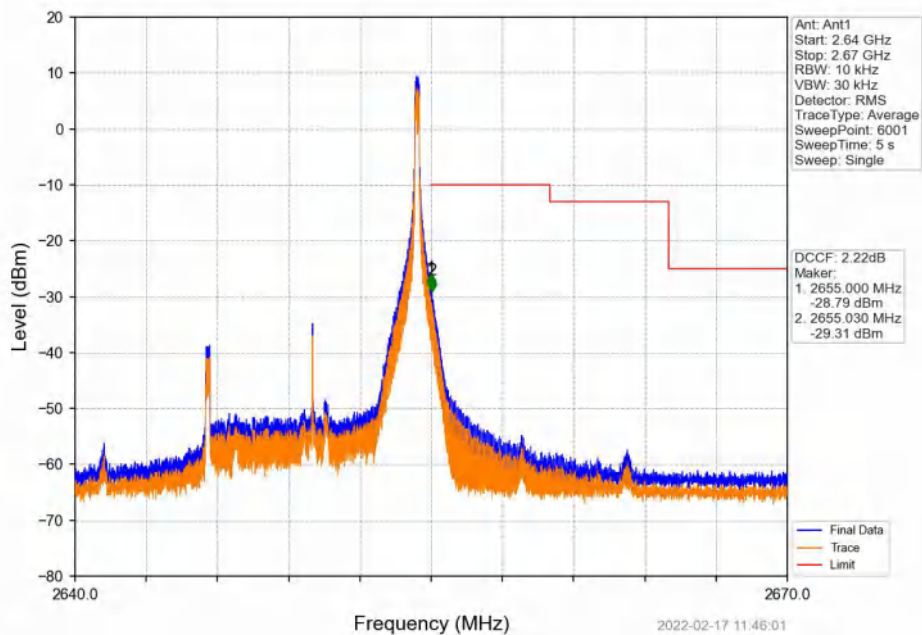
Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV



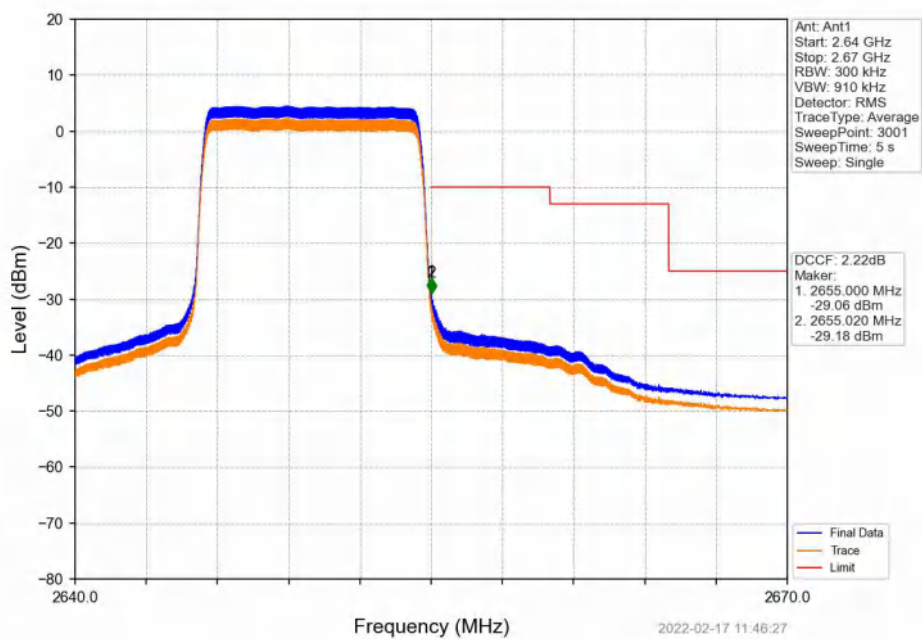
Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_HCH_2650MHz_RB_1_49_NTNV



Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV

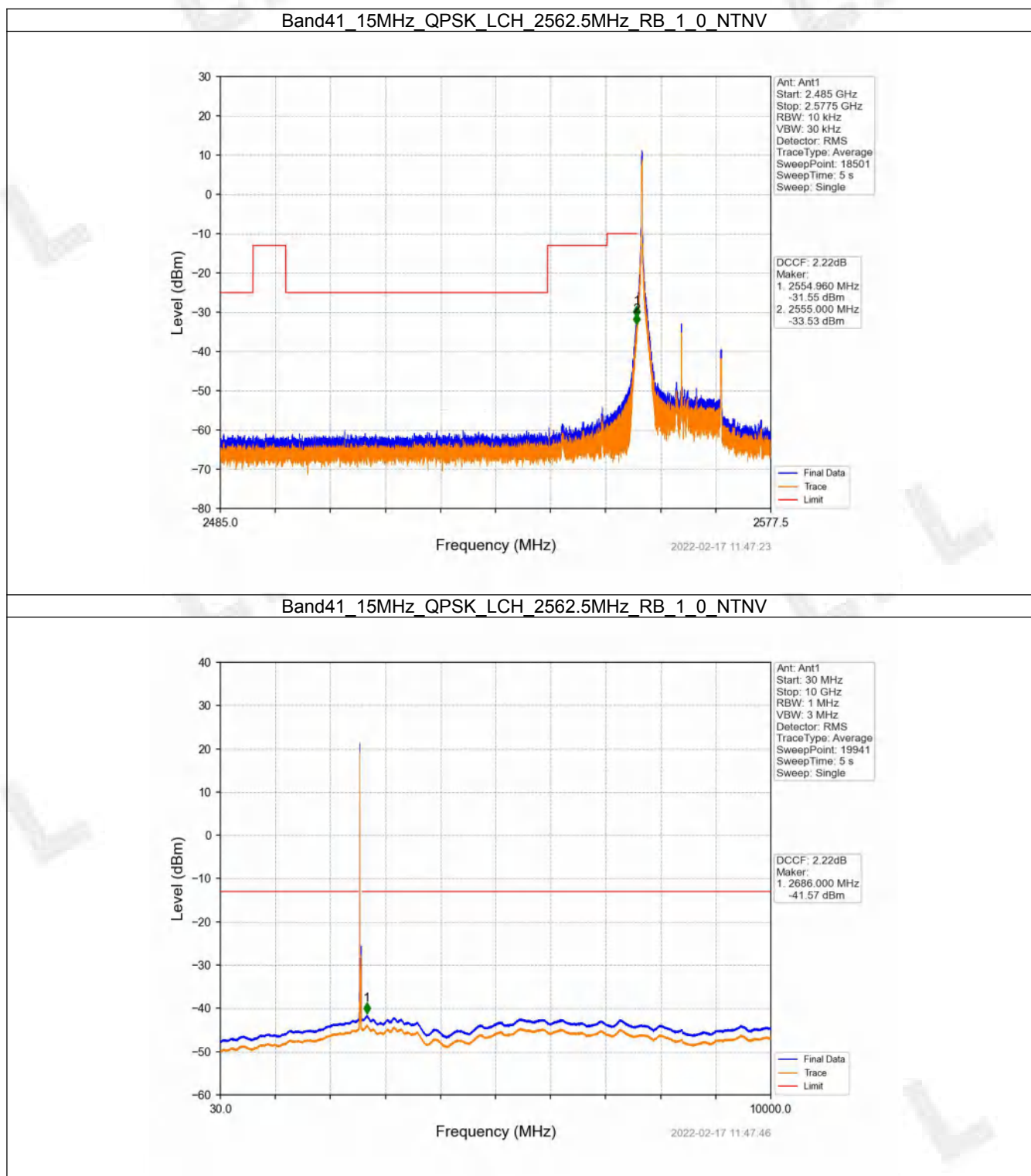


6.3 B41_15MHz

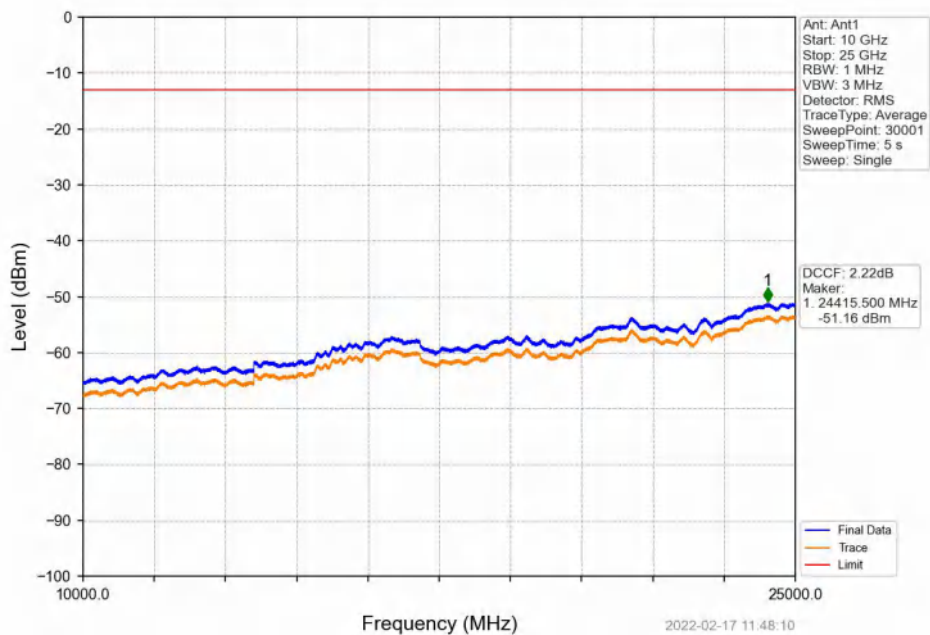
6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2647.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2562.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2647.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

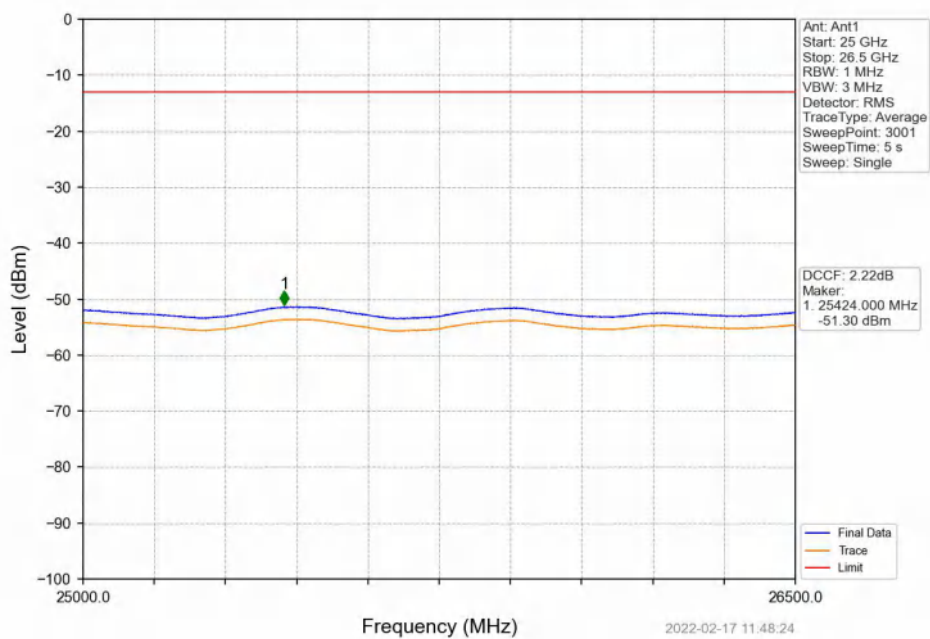
6.3.2 Test Graph



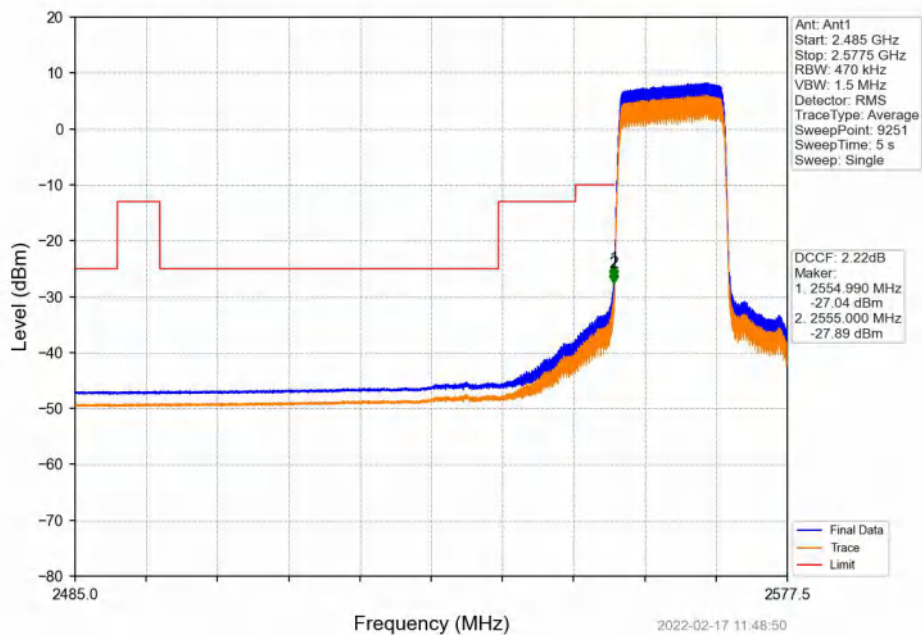
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_1_0_NTNV



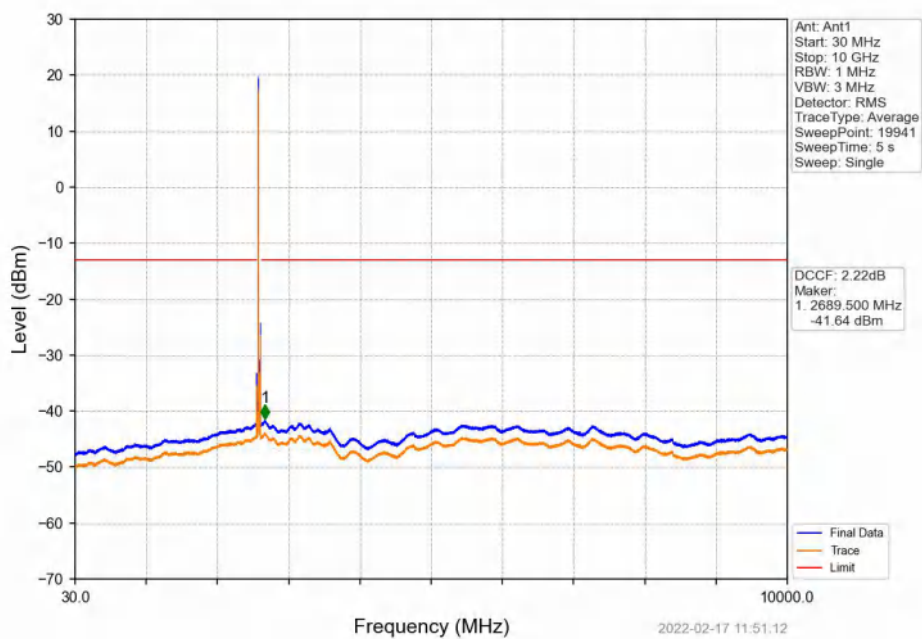
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_1_0_NTNV



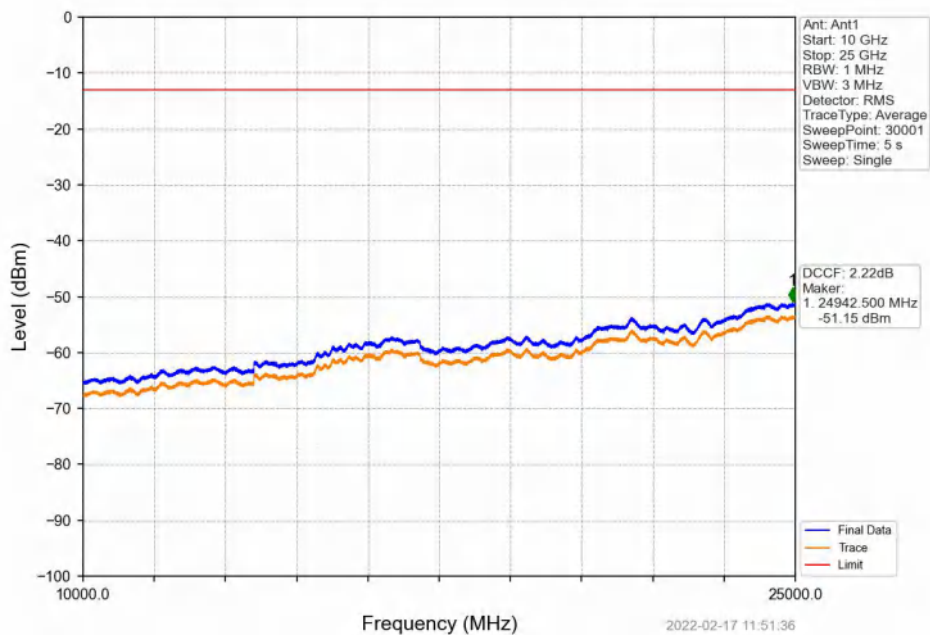
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



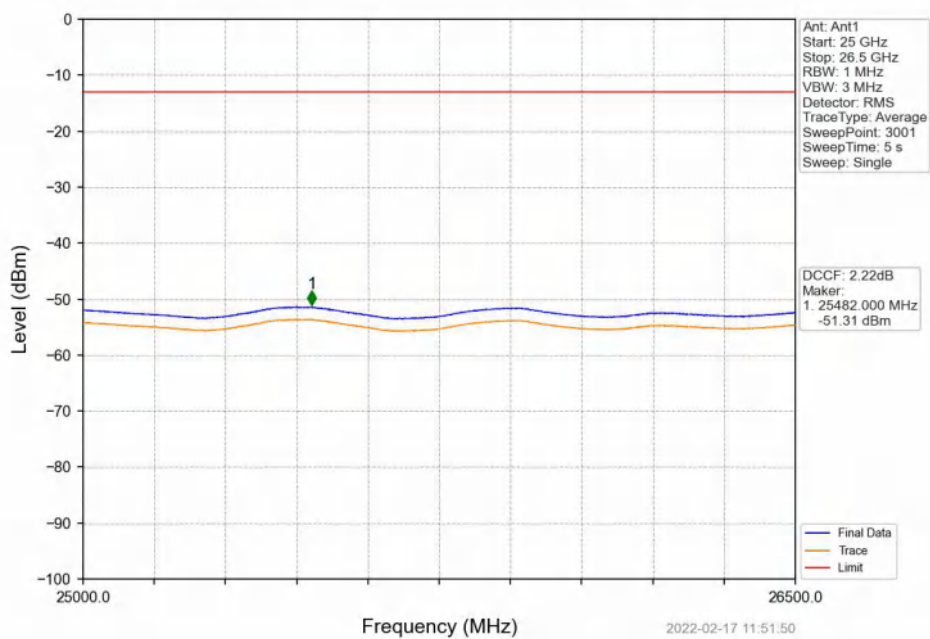
Band41_15MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



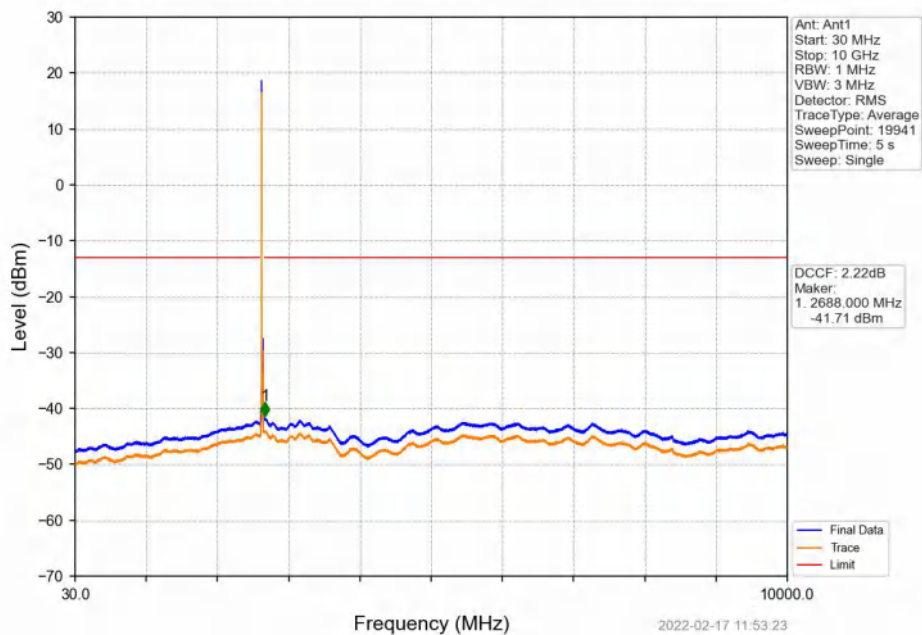
Band41_15MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



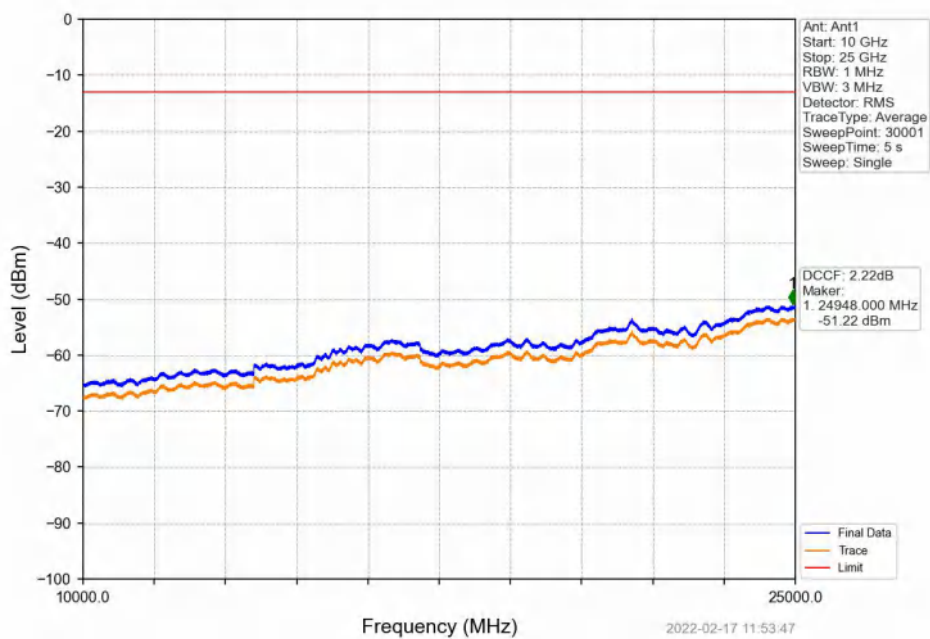
Band41_15MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

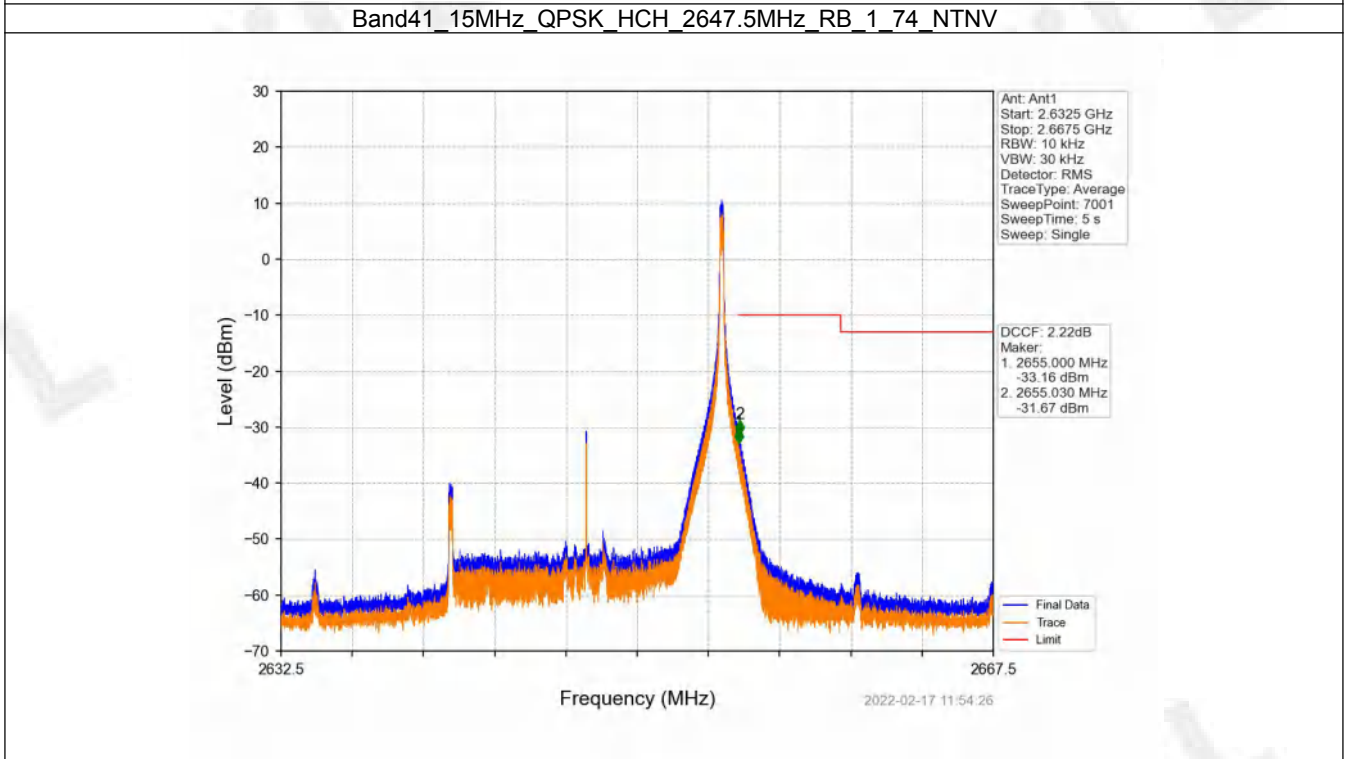
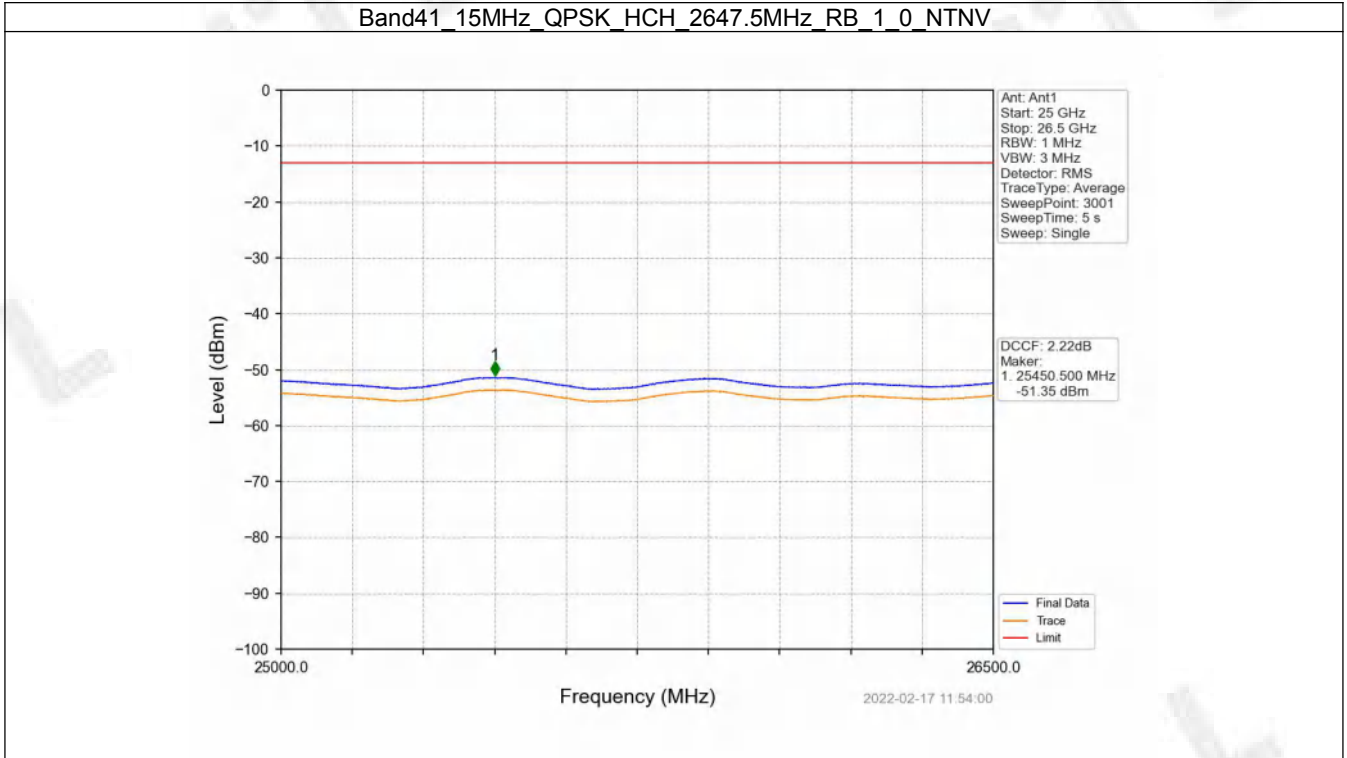


Band41_15MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV

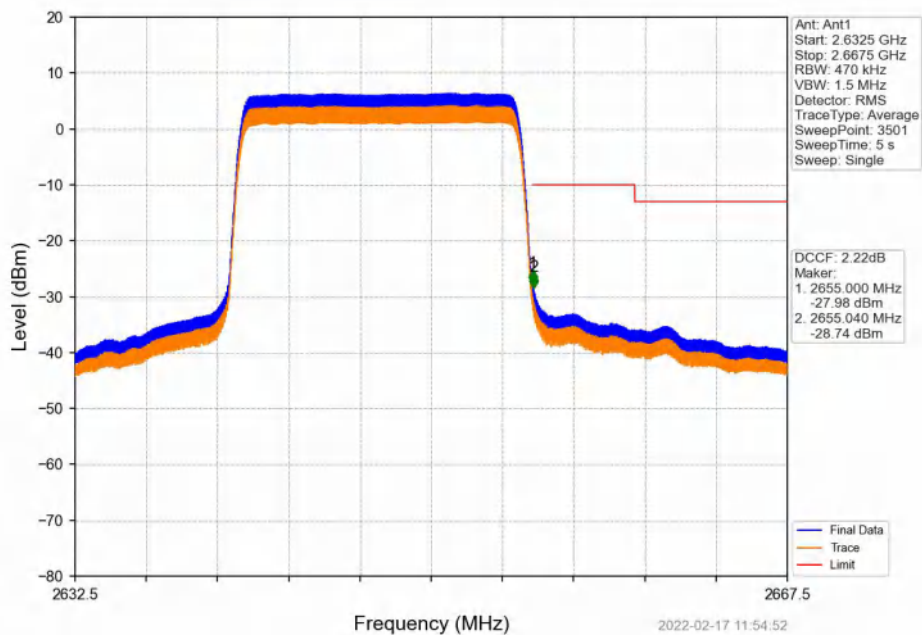


Band41_15MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV

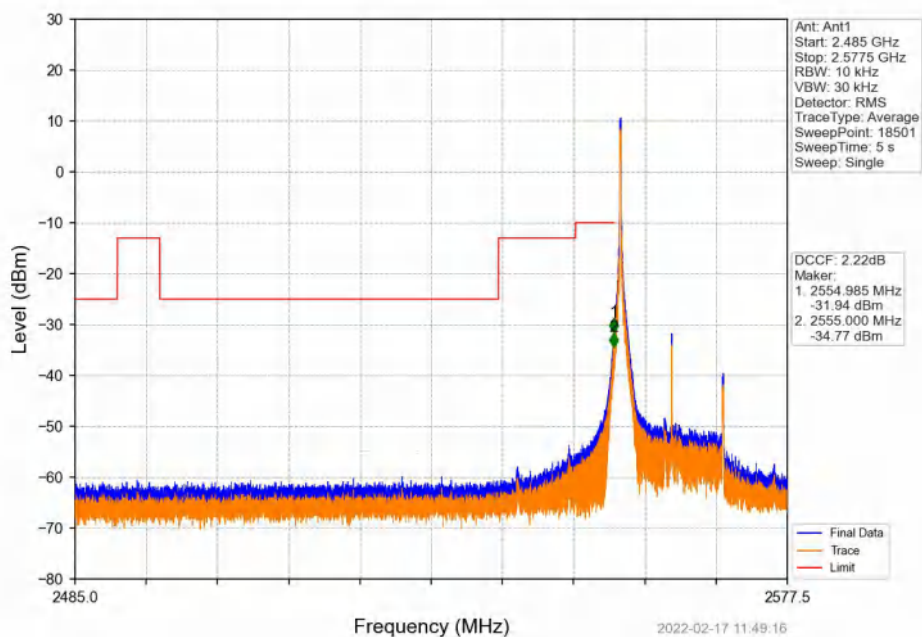




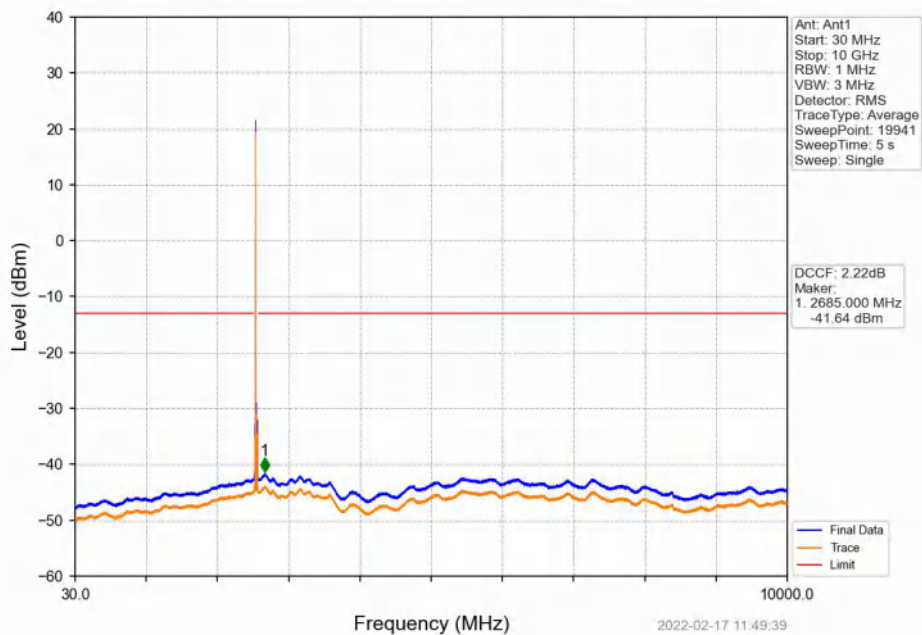
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



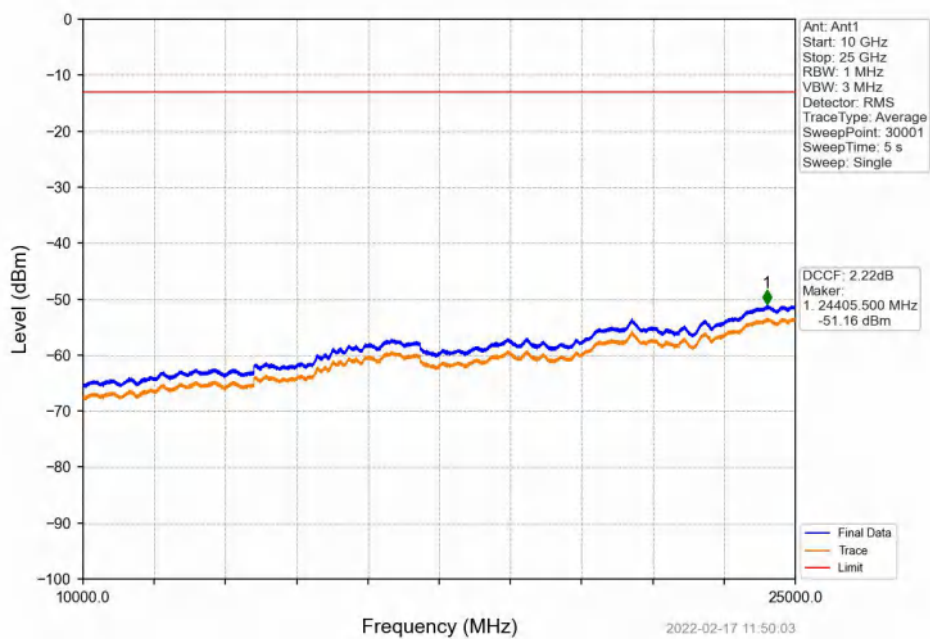
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_1_0_NTNV



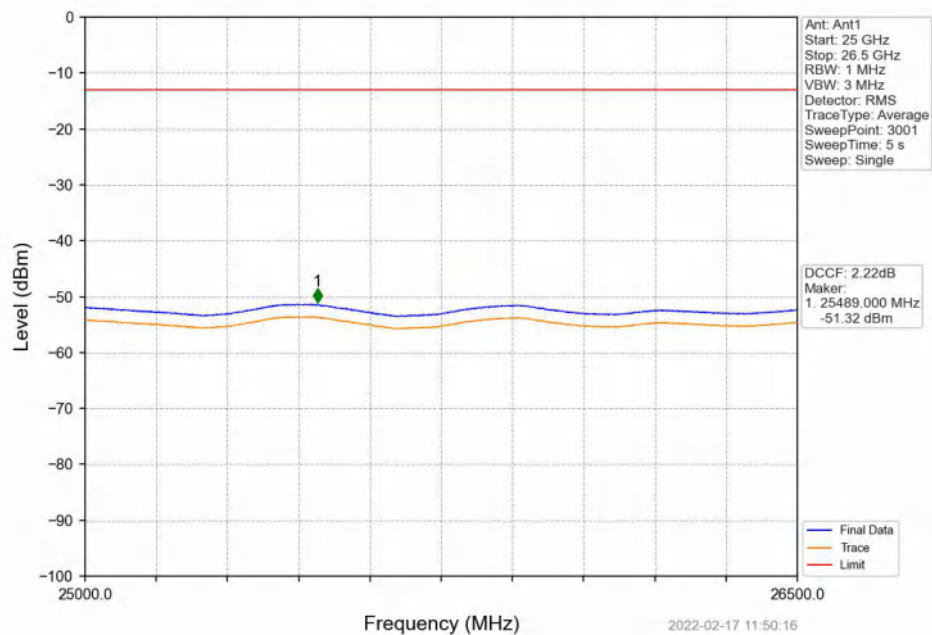
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_1_0_NTNV



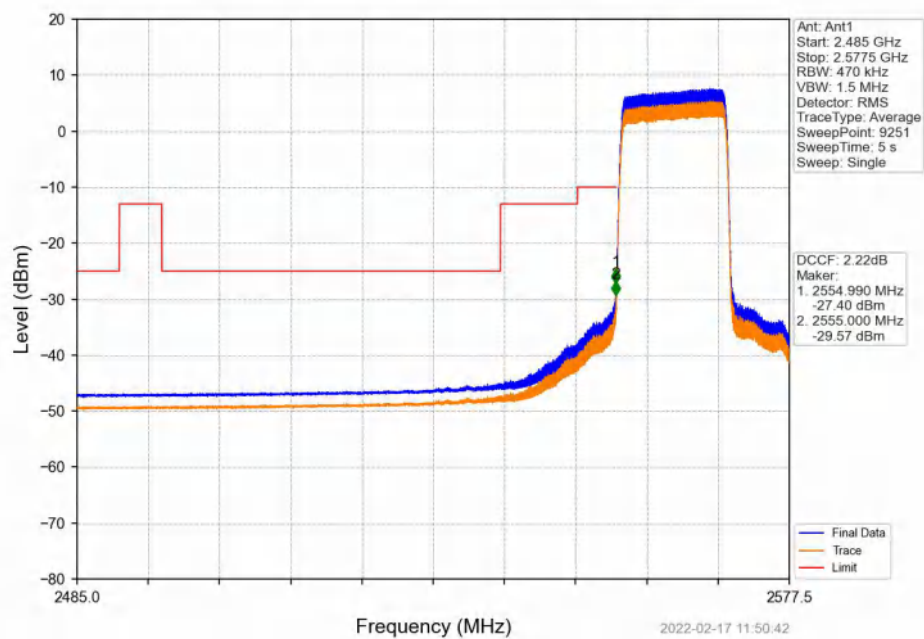
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_1_0_NTNV



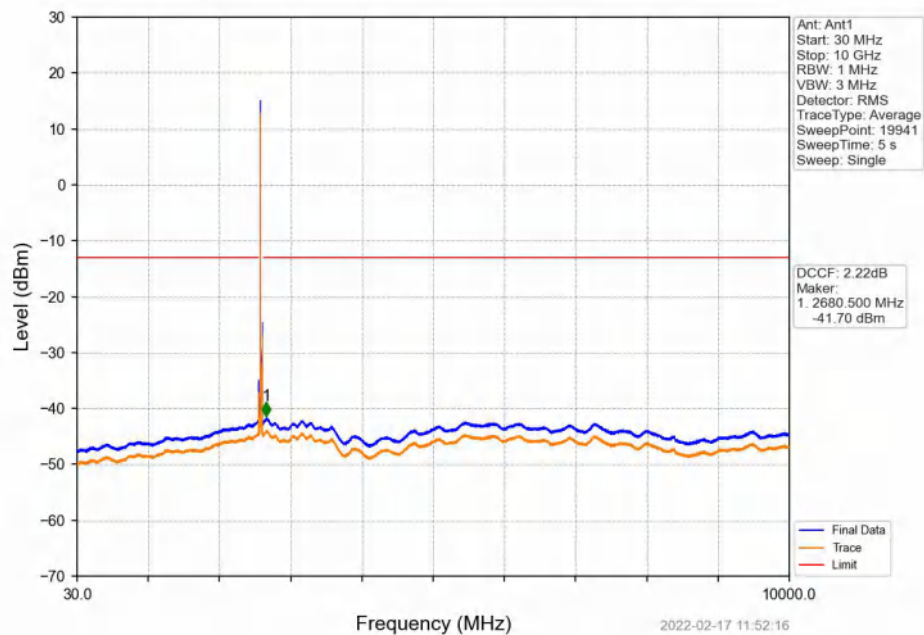
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_1_0_NTNV



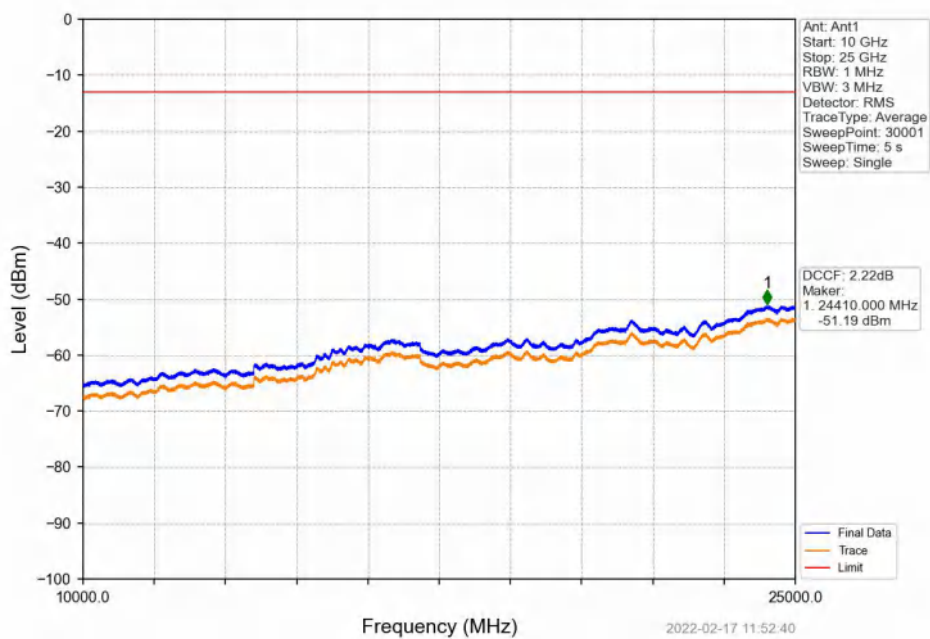
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



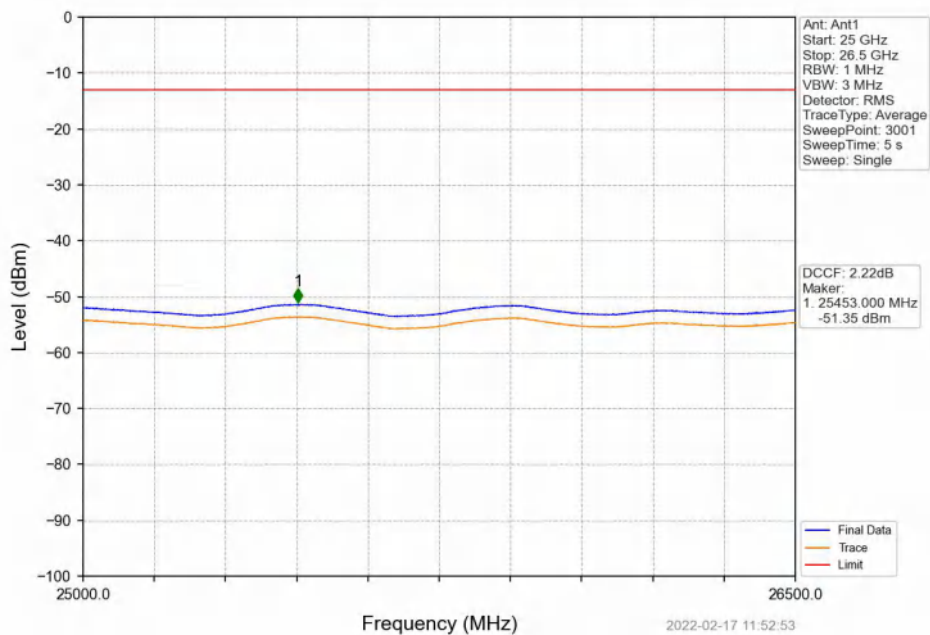
Band41_15MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



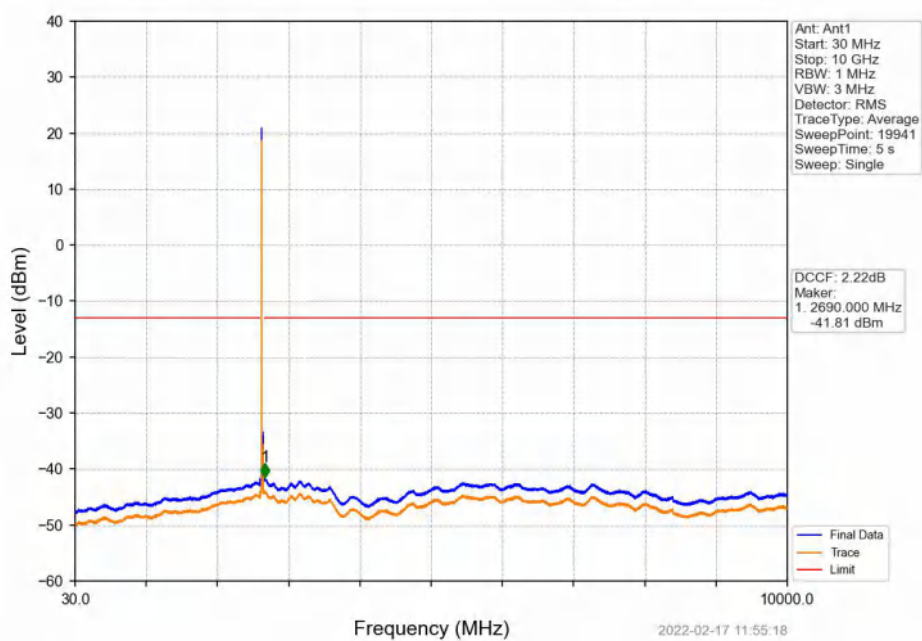
Band41_15MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



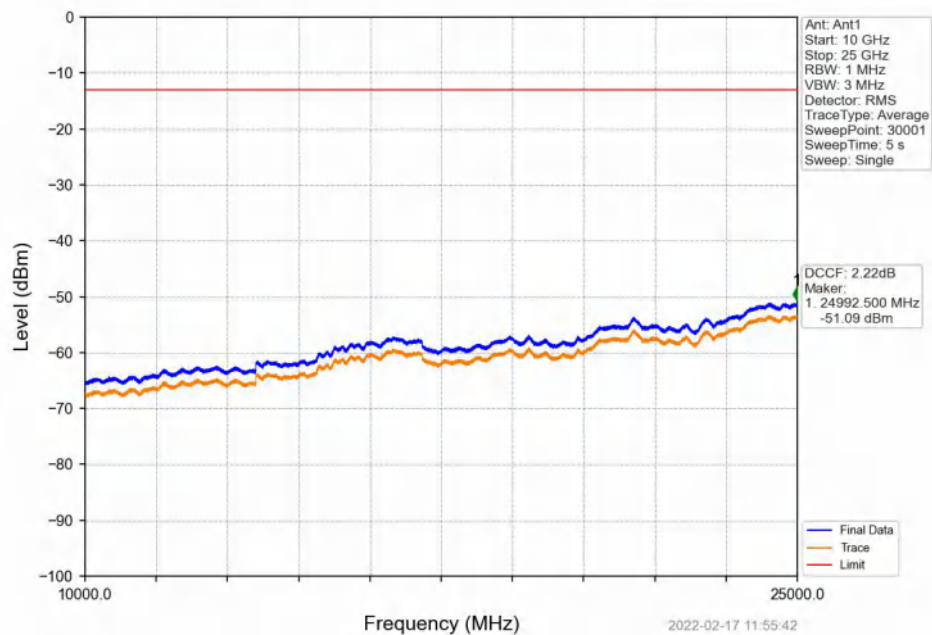
Band41_15MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



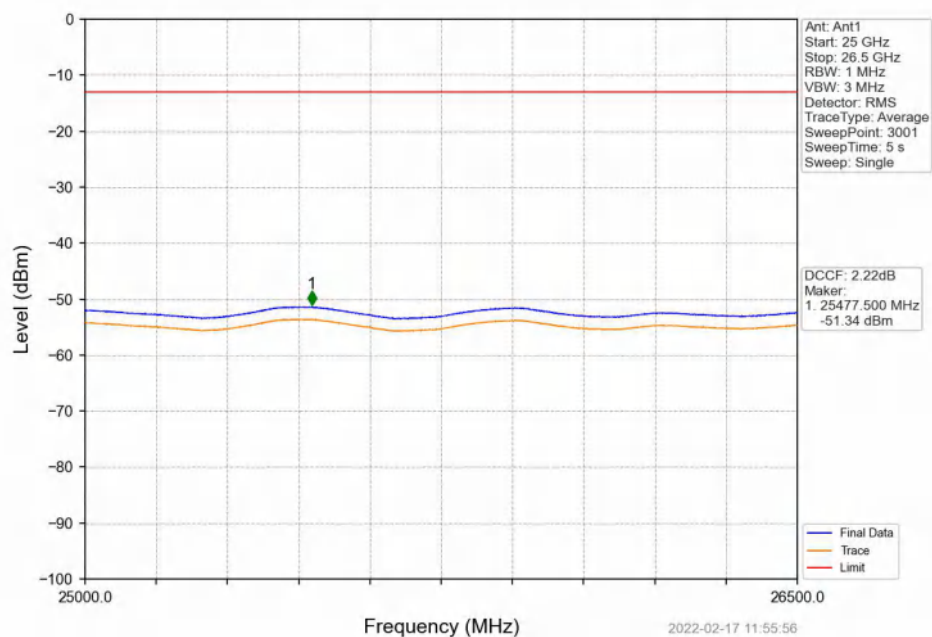
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV



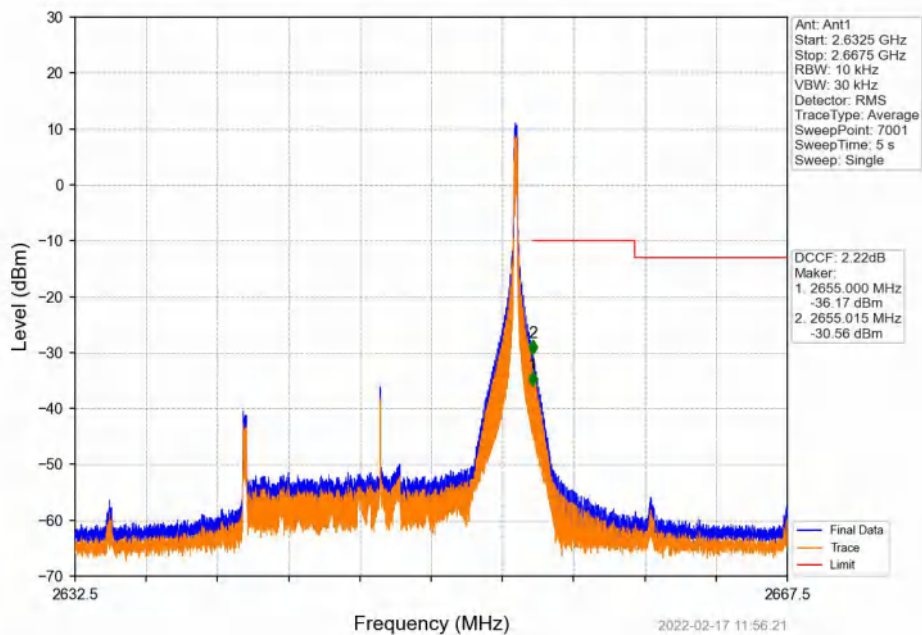
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV



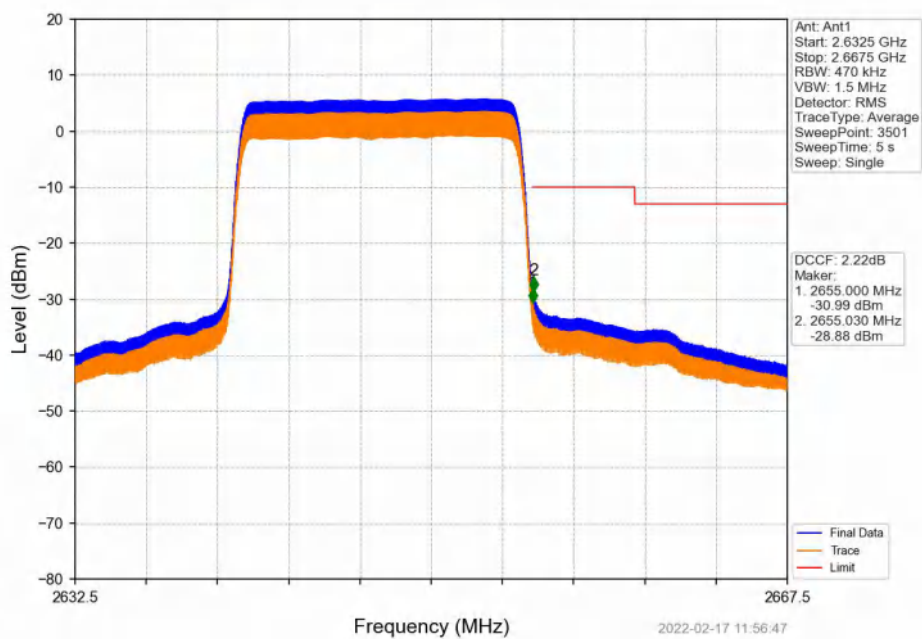
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV



Band41_15MHz_16QAM_HCH_2647.5MHz_RB_1_74_NTNV



Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV

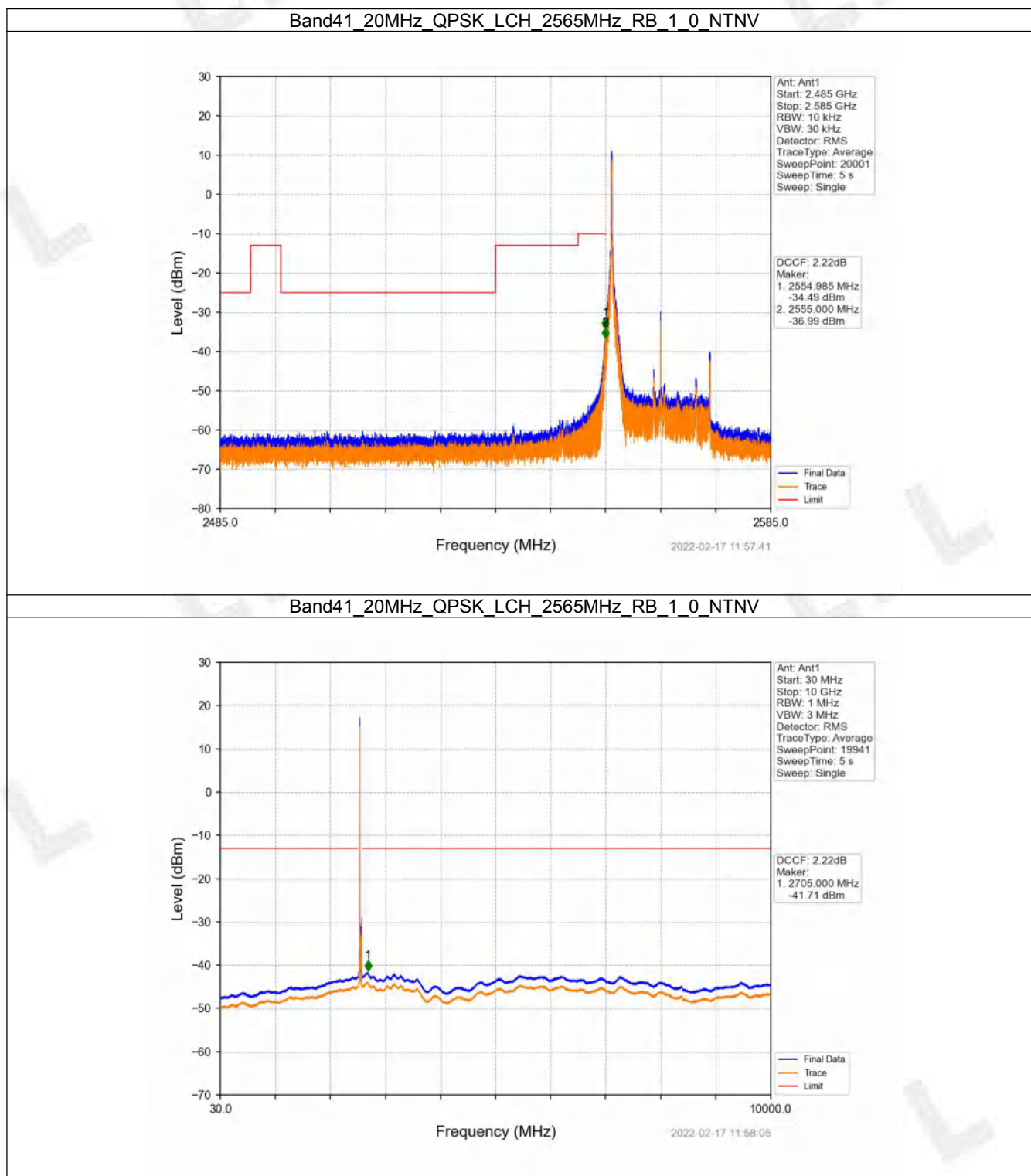


6.4 B41_20MHz

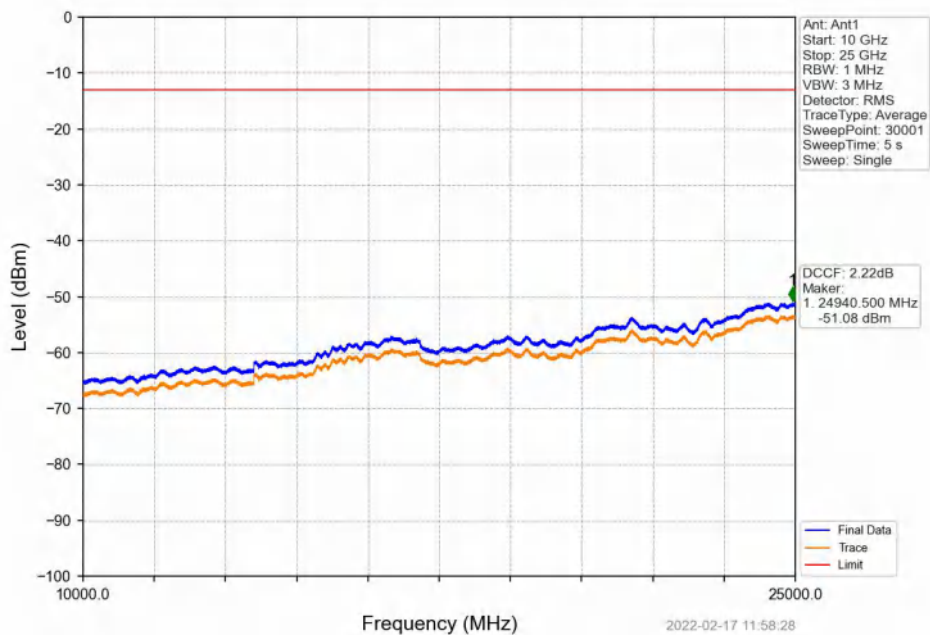
6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2565	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

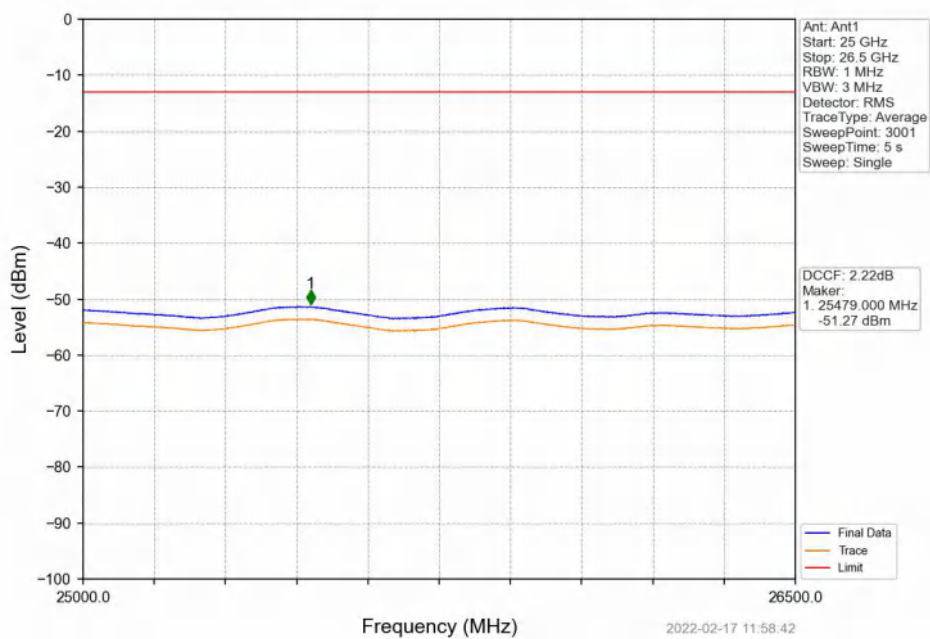
6.4.2 Test Graph



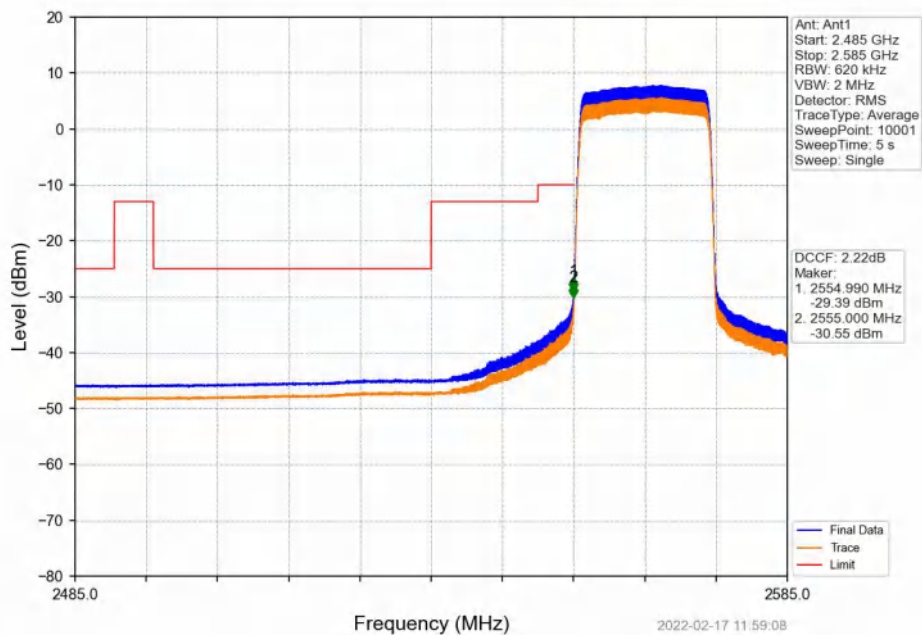
Band41_20MHz_QPSK_LCH_2565MHz_RB_1_0_NTNV



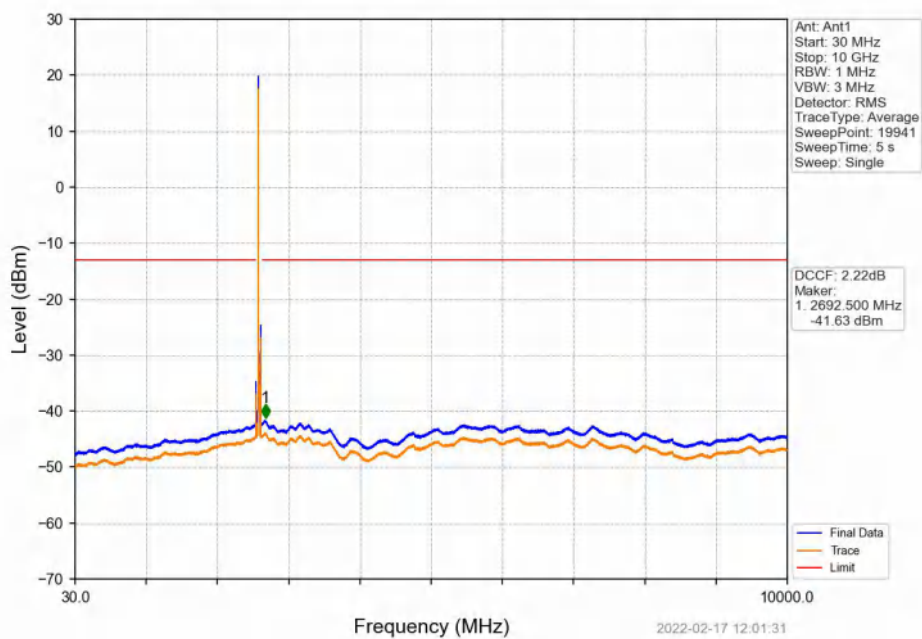
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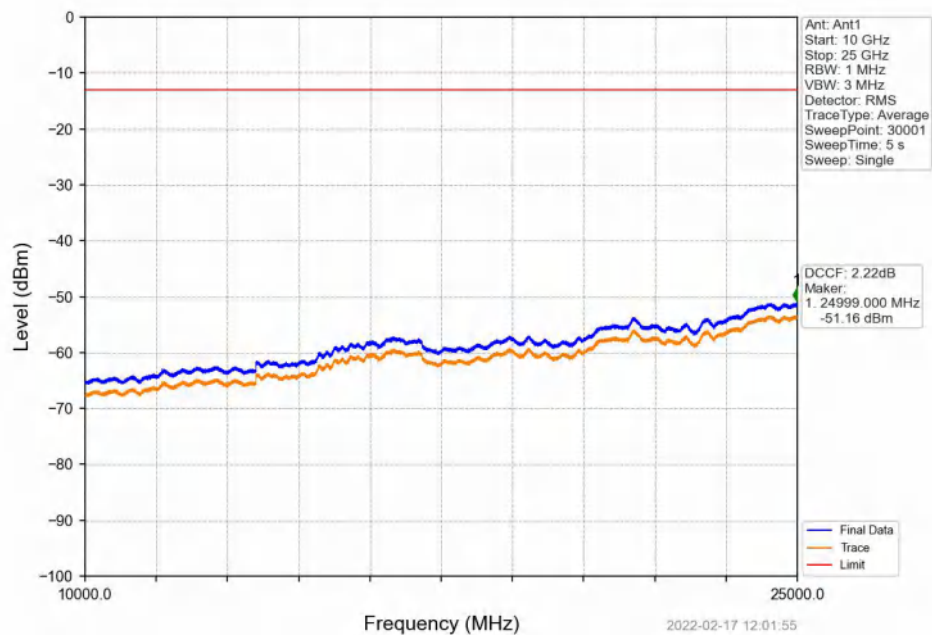
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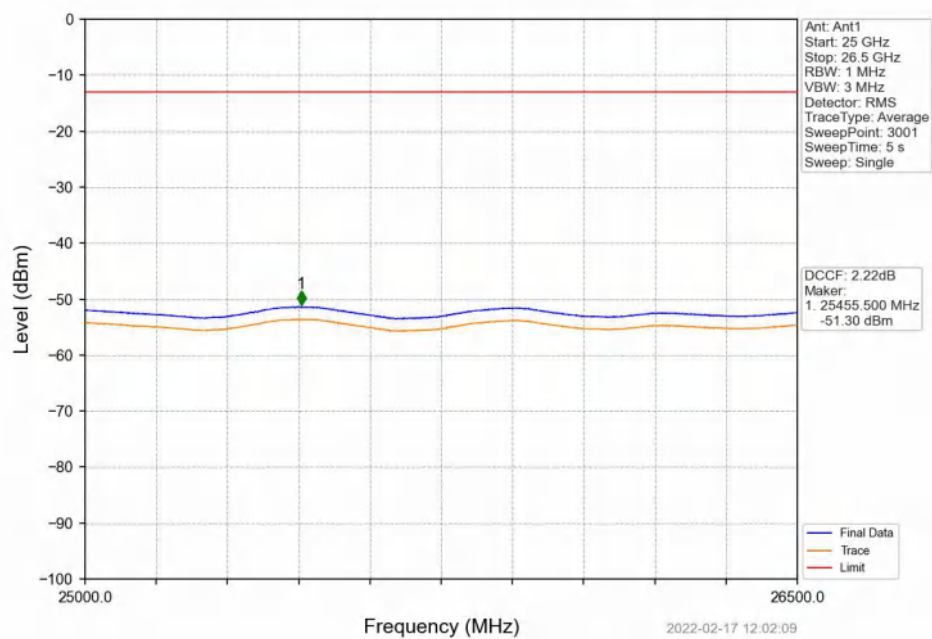
Band41_20MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



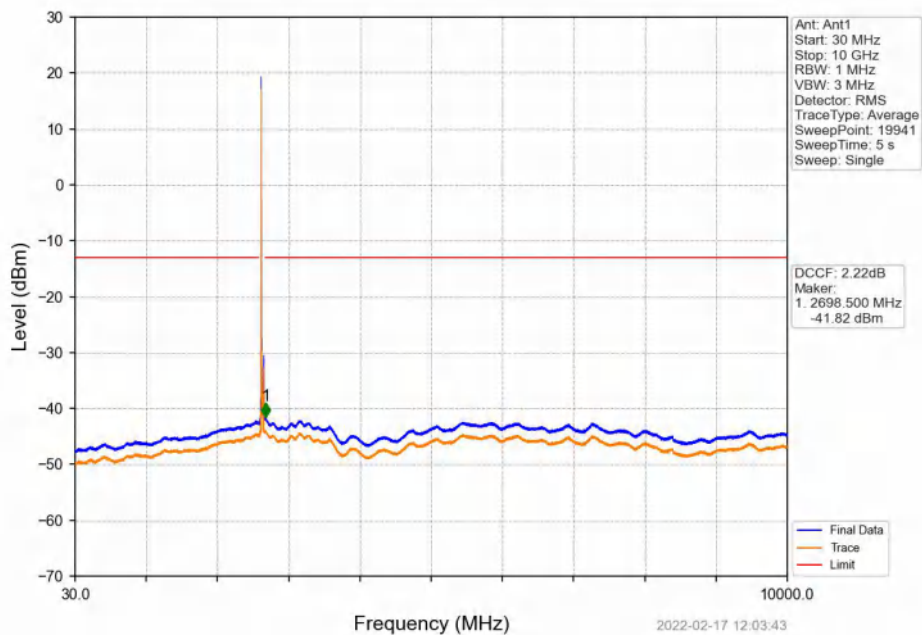
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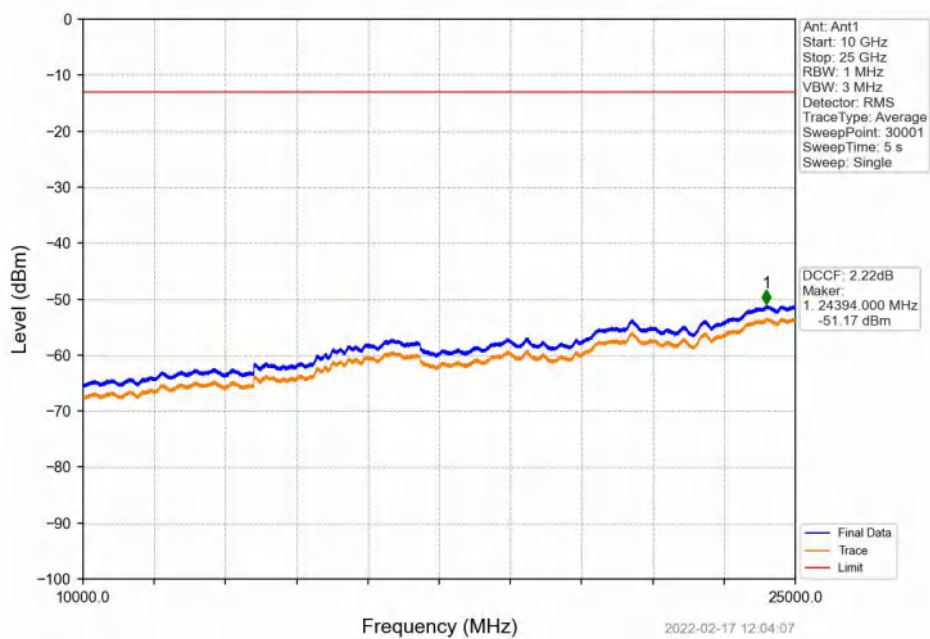
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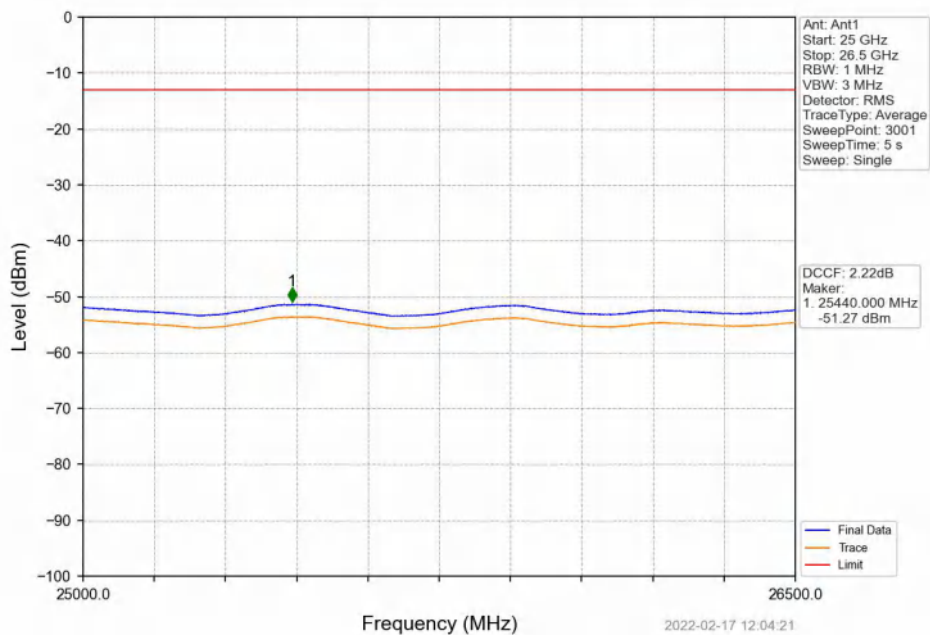
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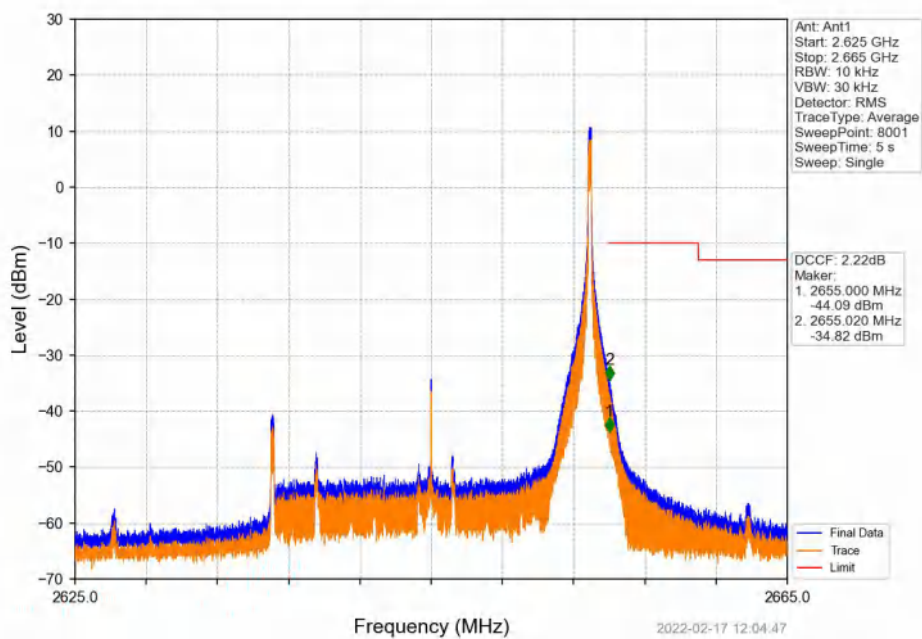
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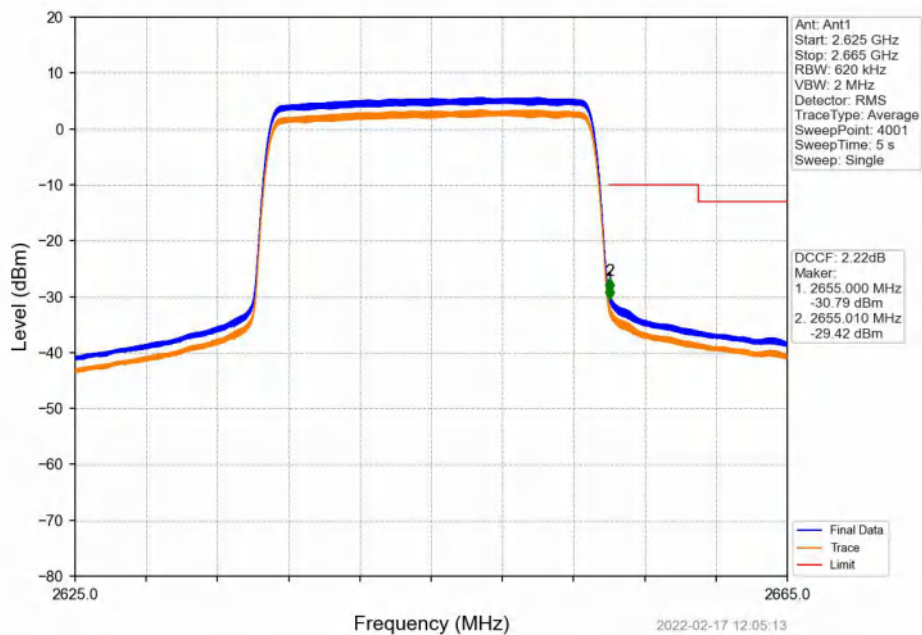
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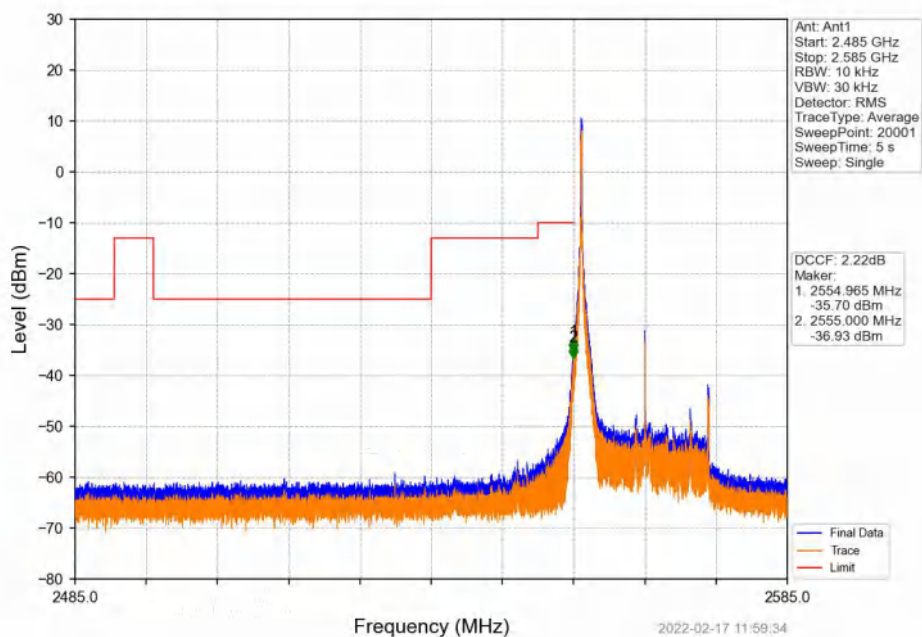
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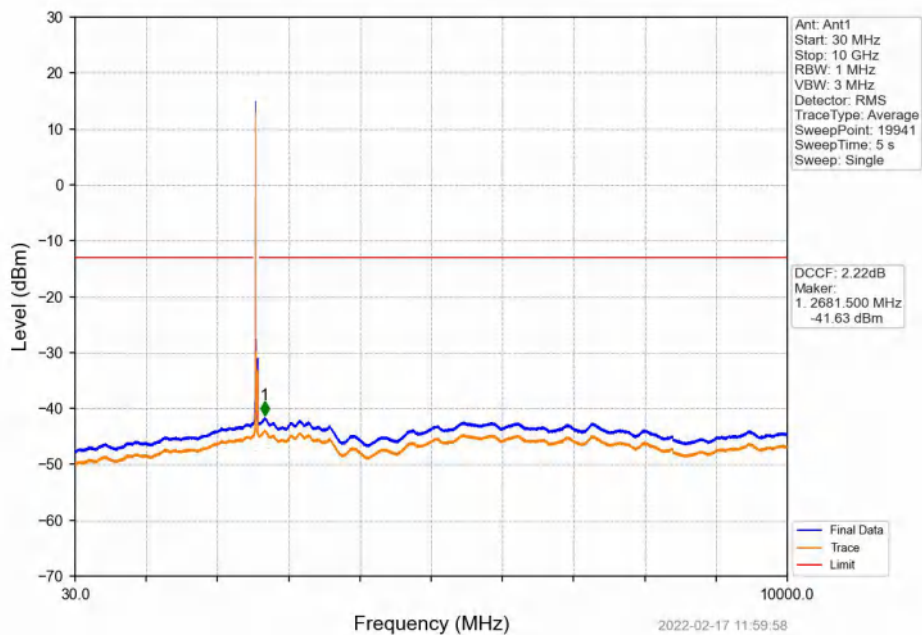
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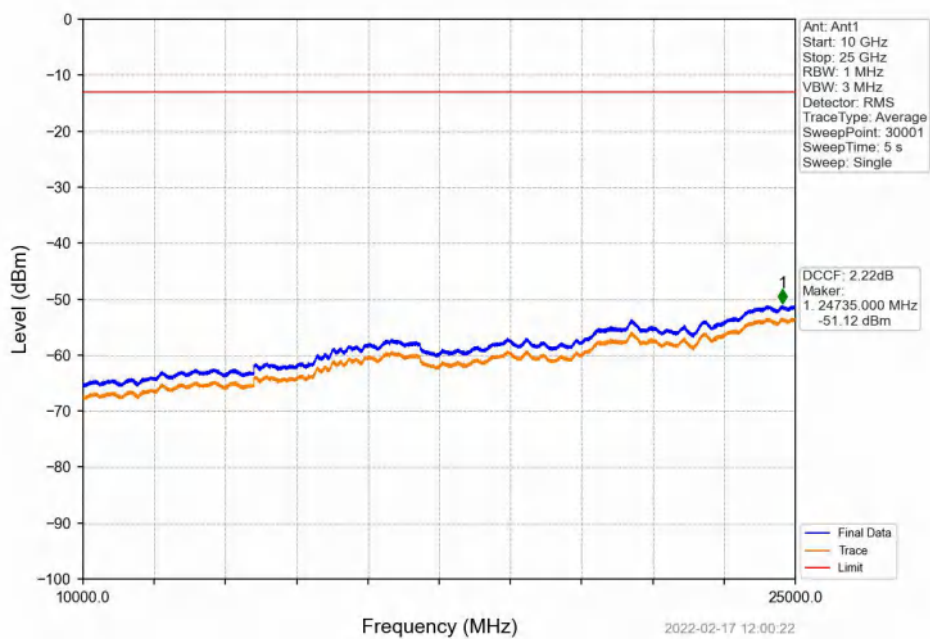
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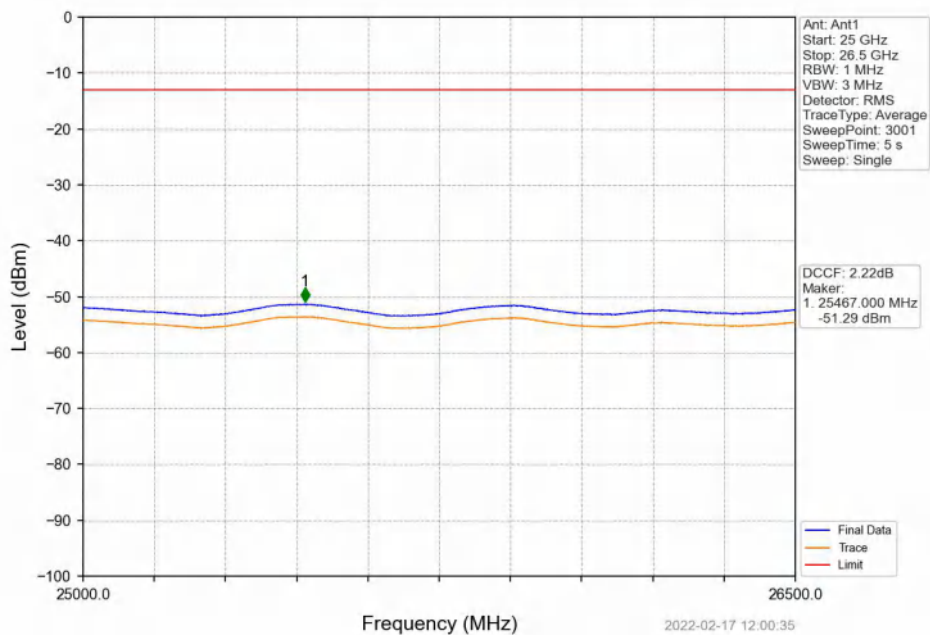
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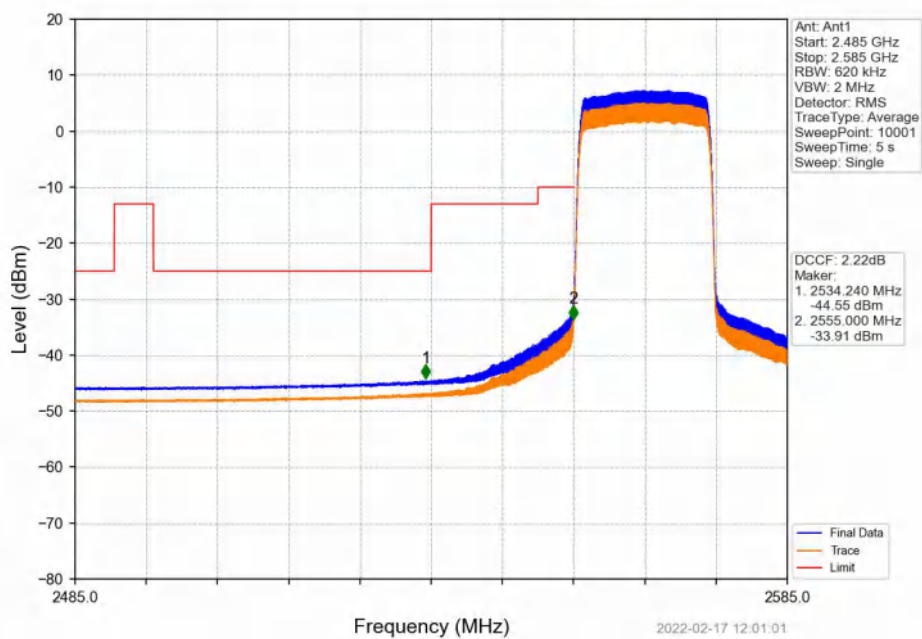
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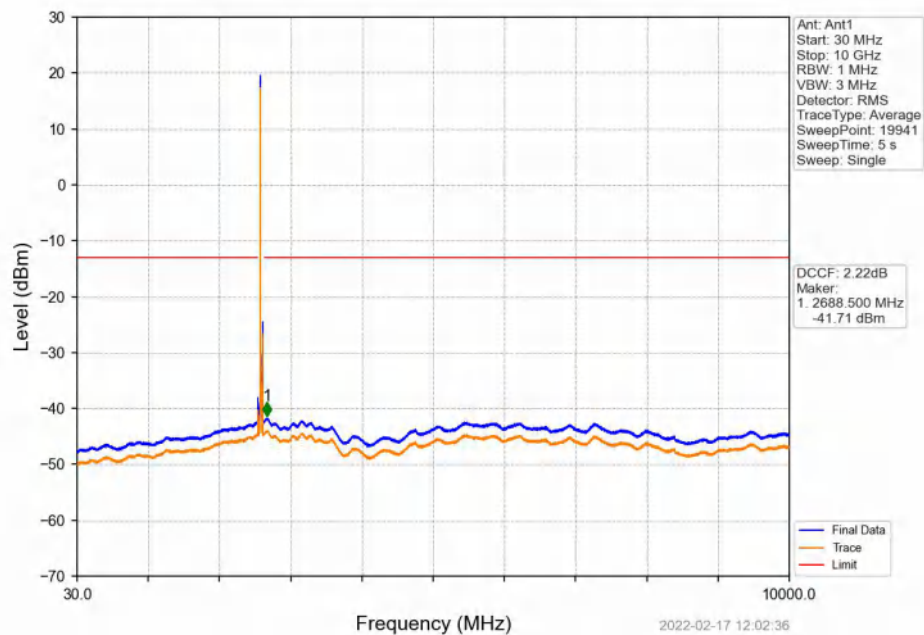
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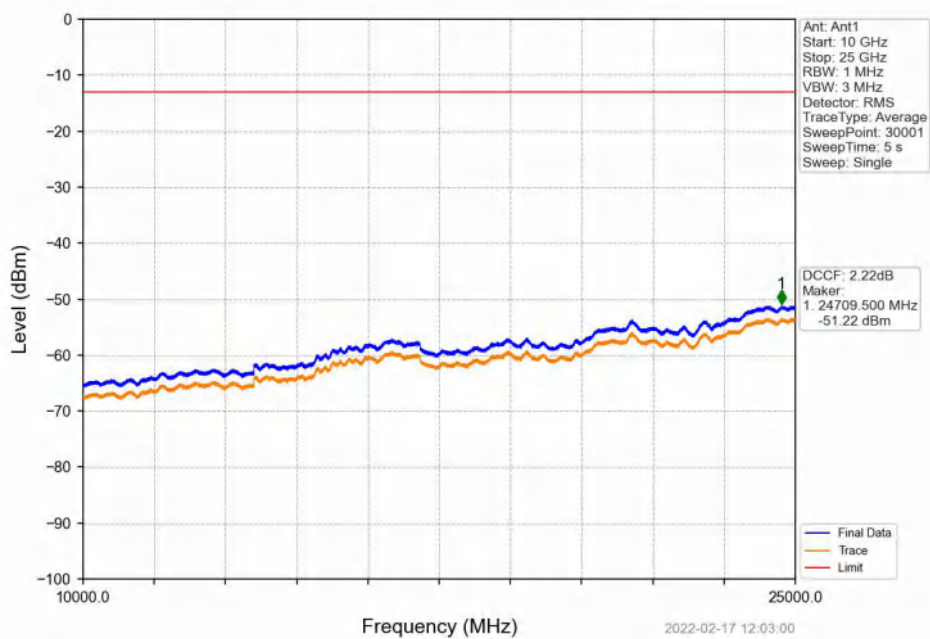
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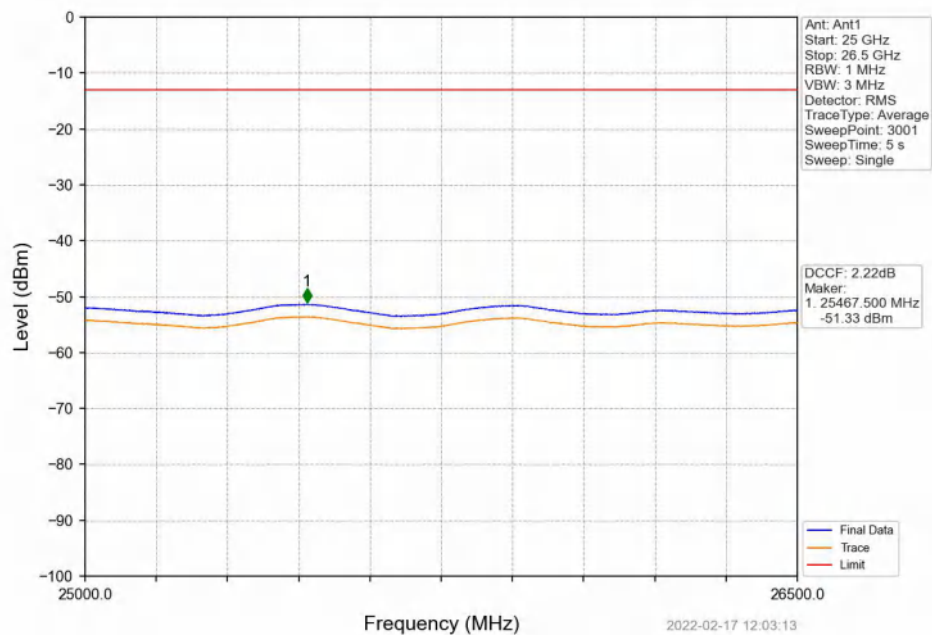
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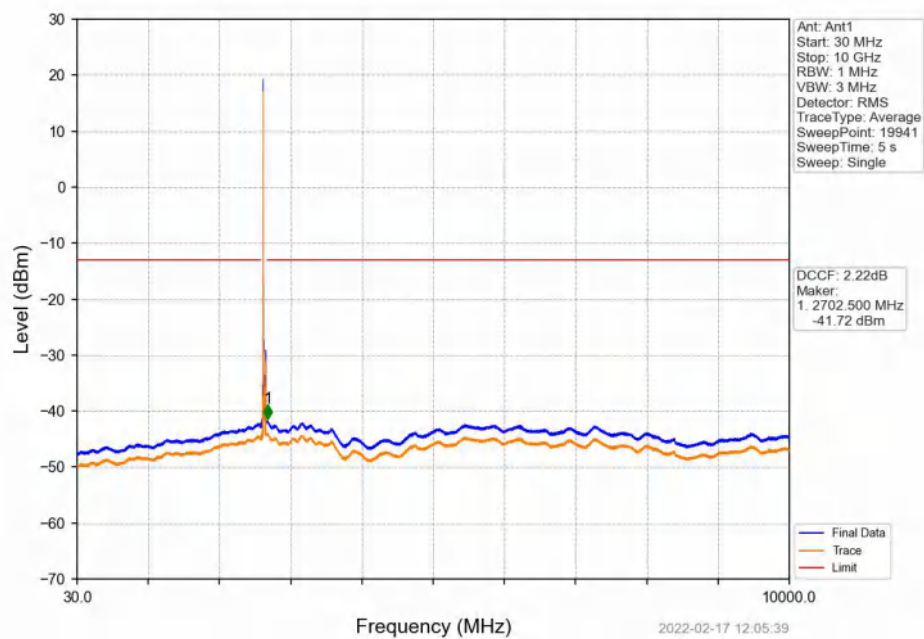
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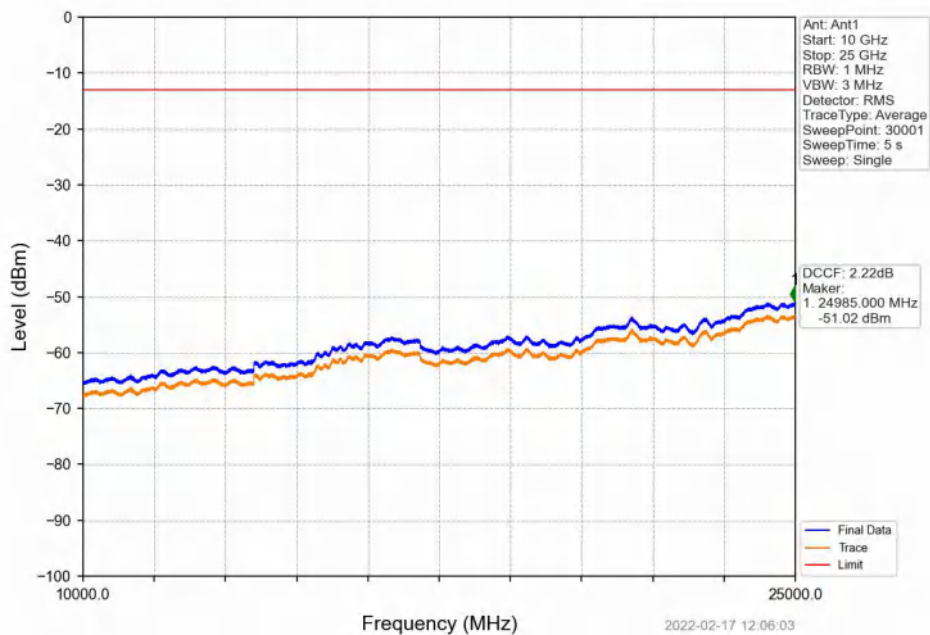
Band41_20MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



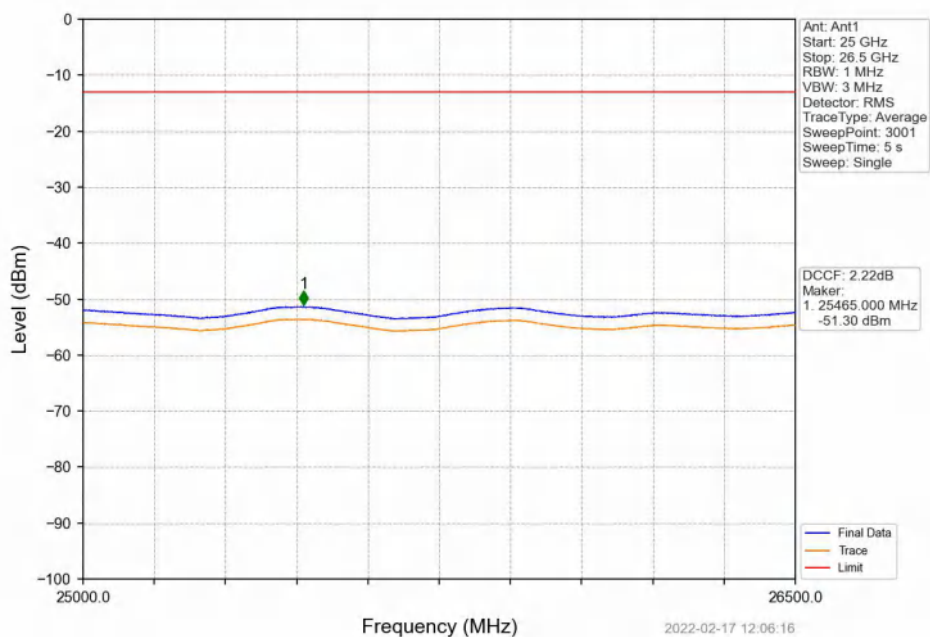
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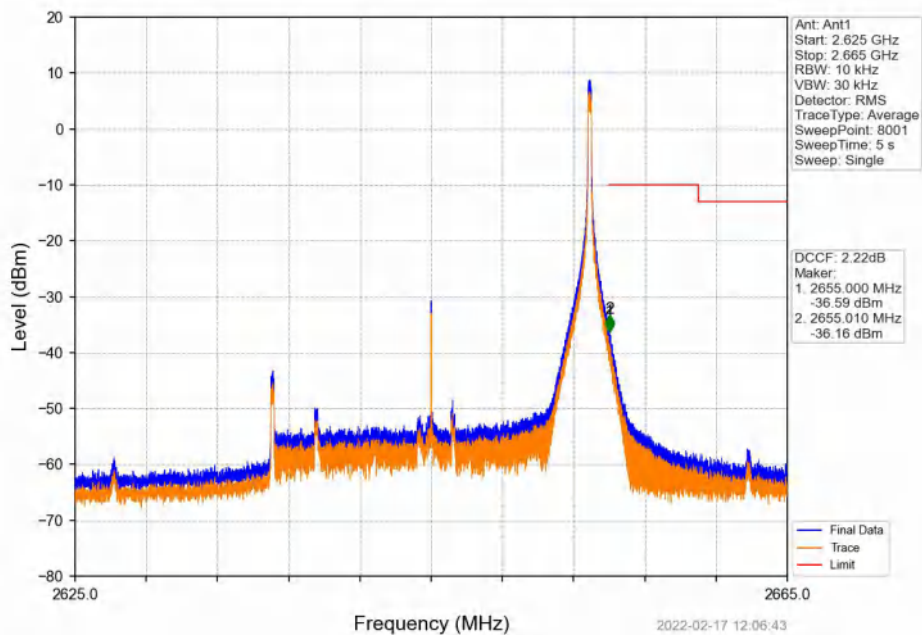
Band41_20MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_1_99_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

