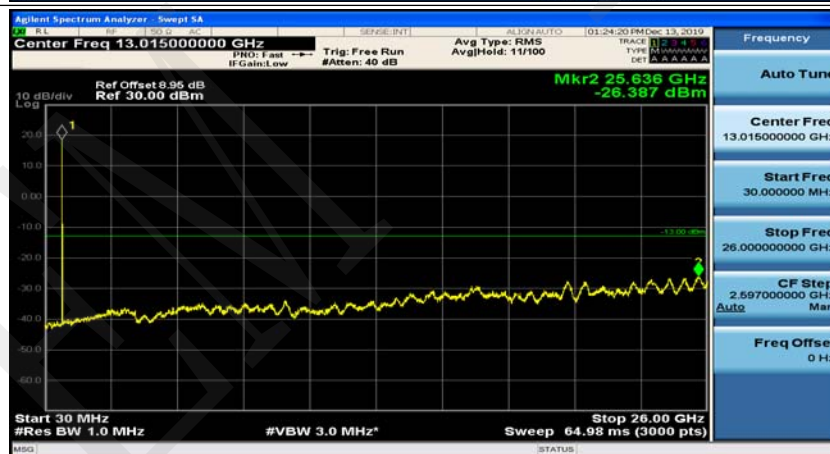
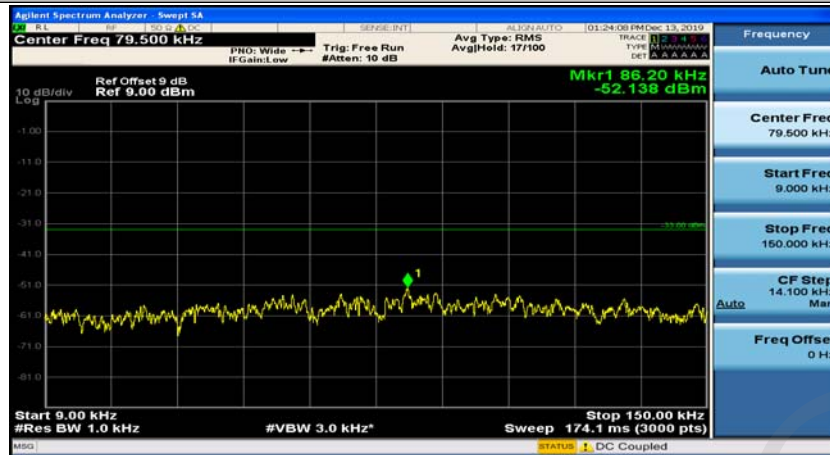
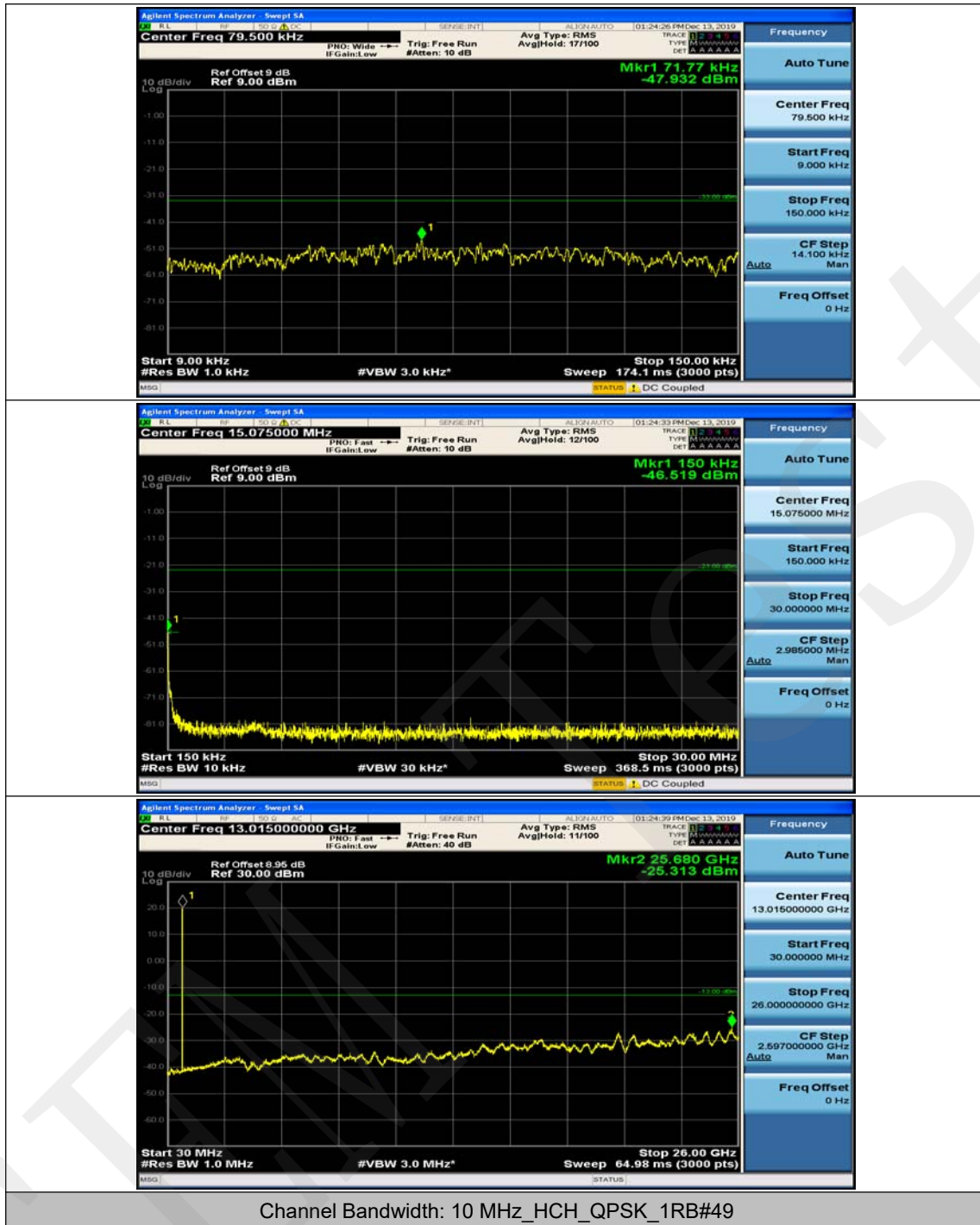
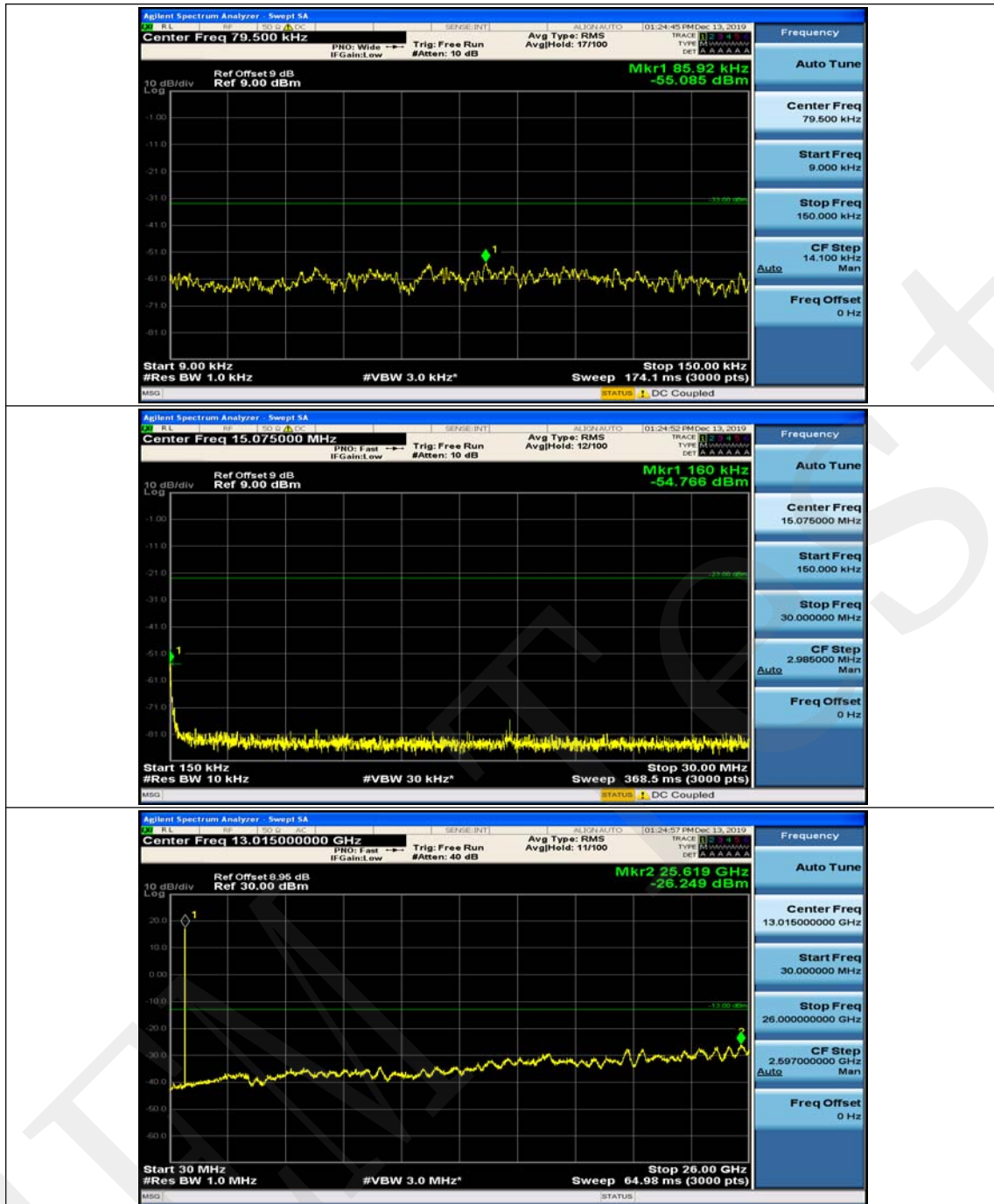


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

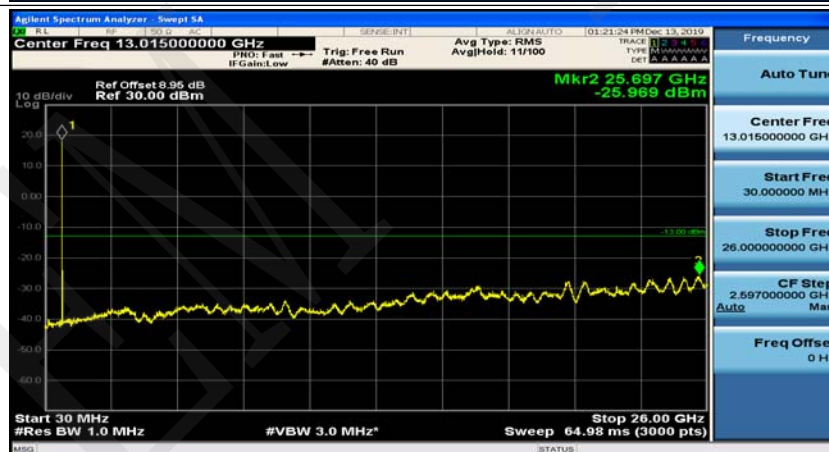
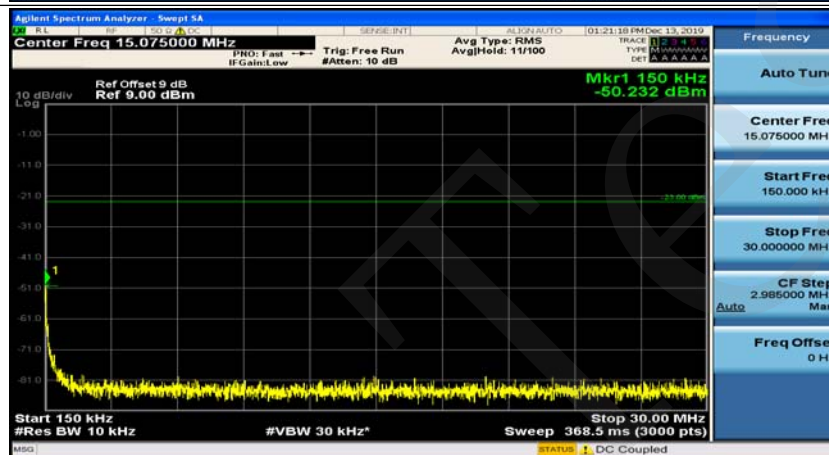
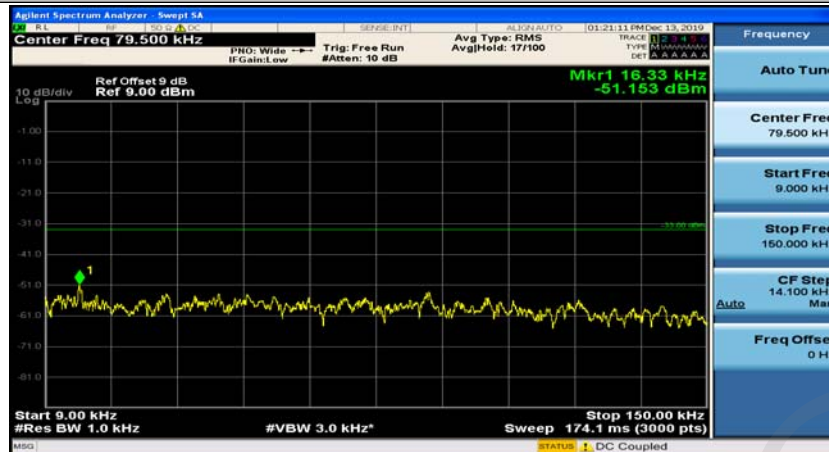


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

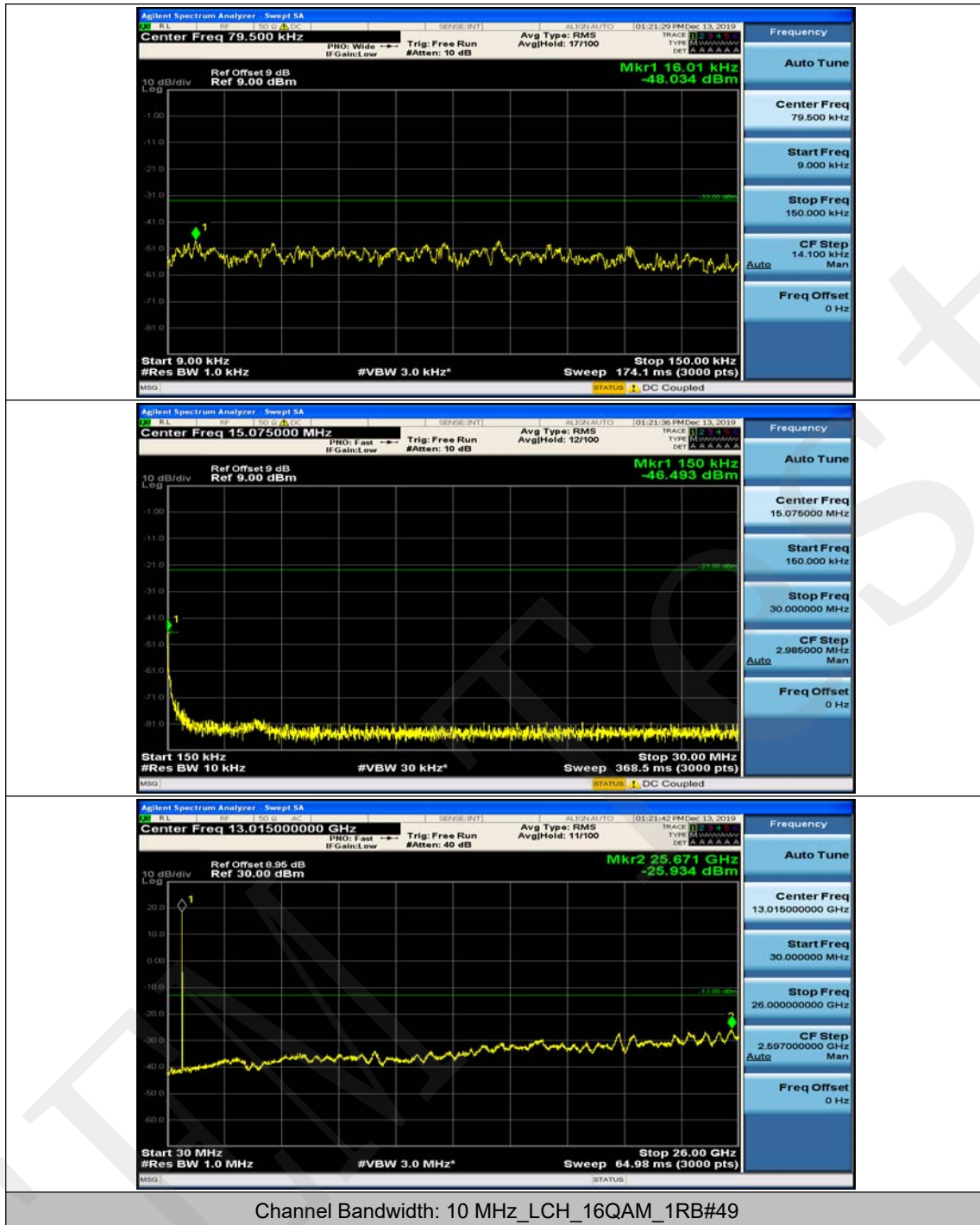


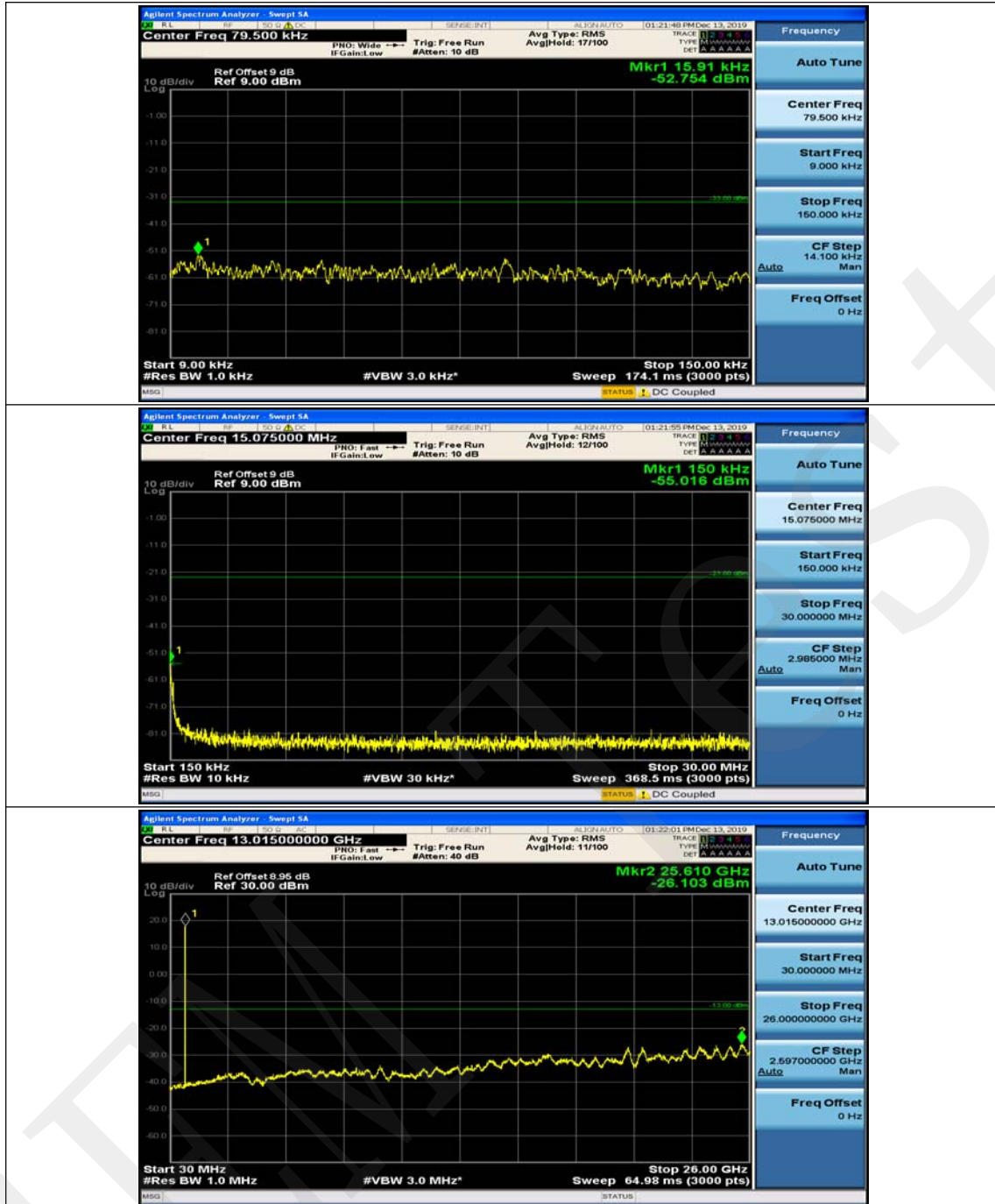


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

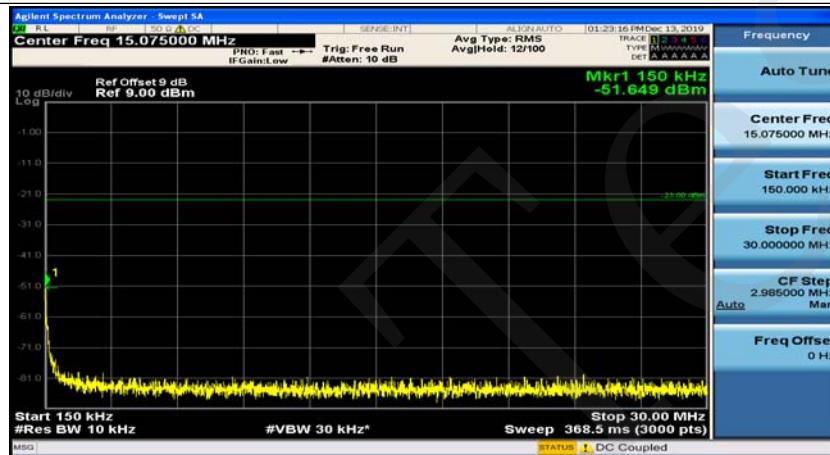
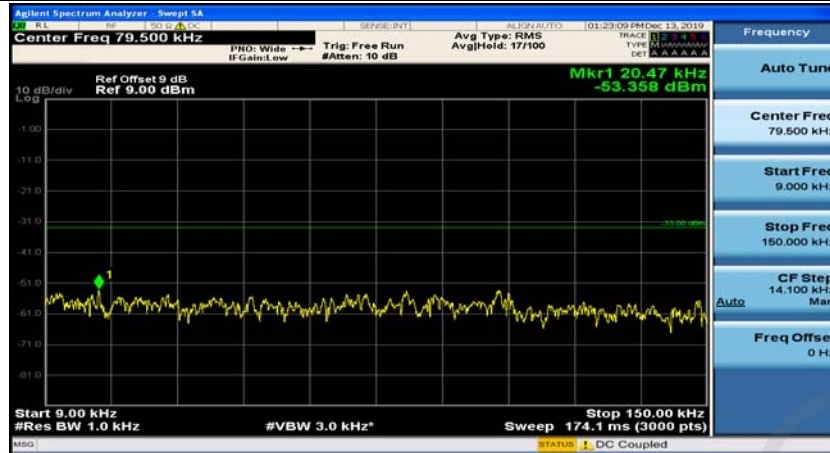


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

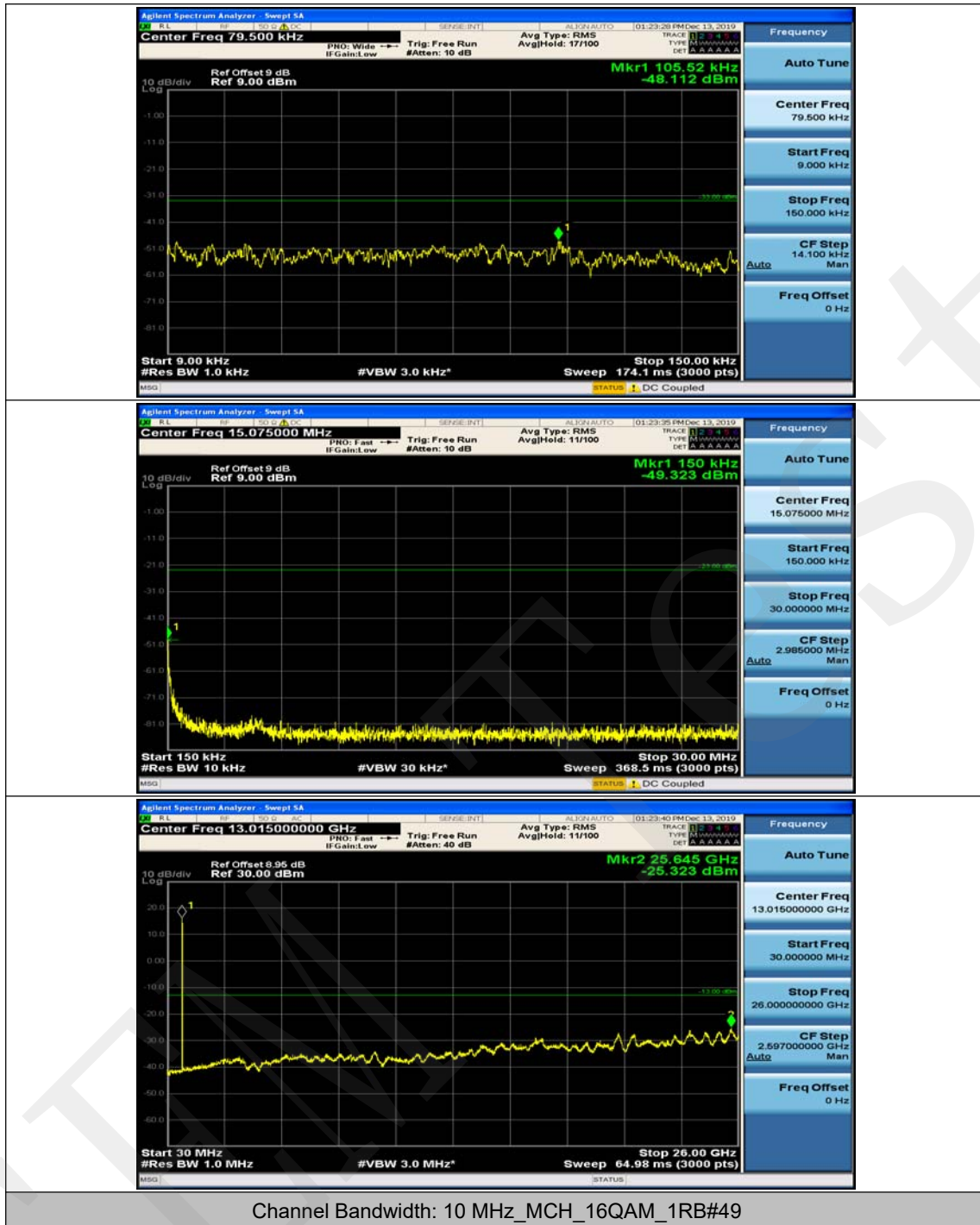


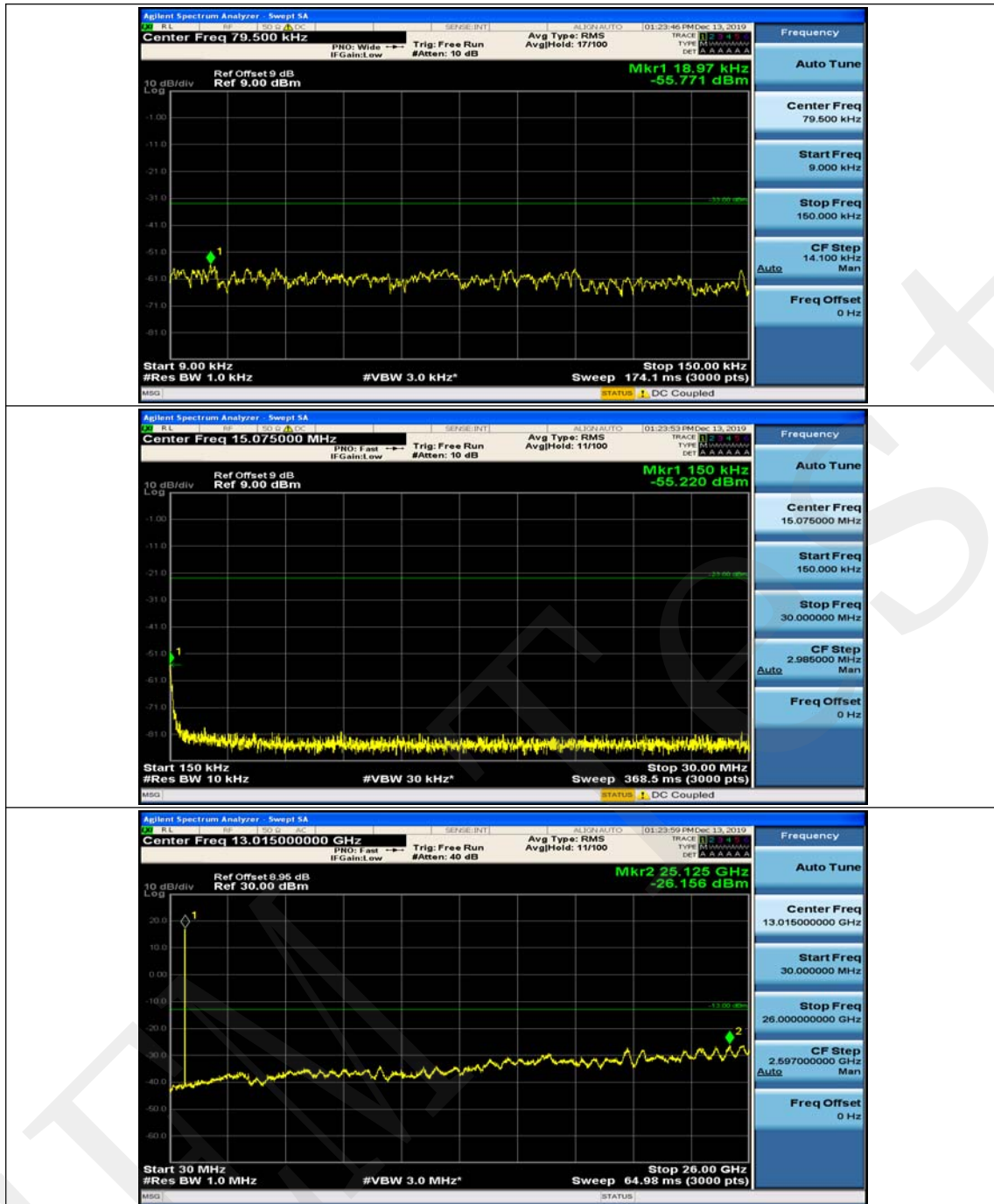


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

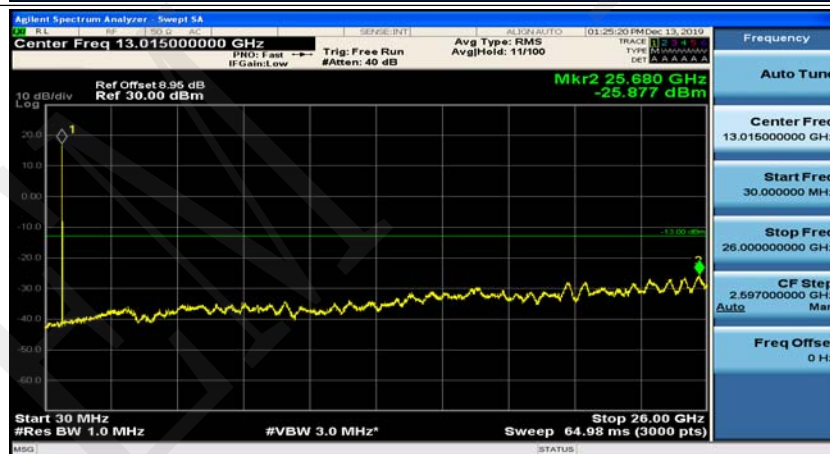
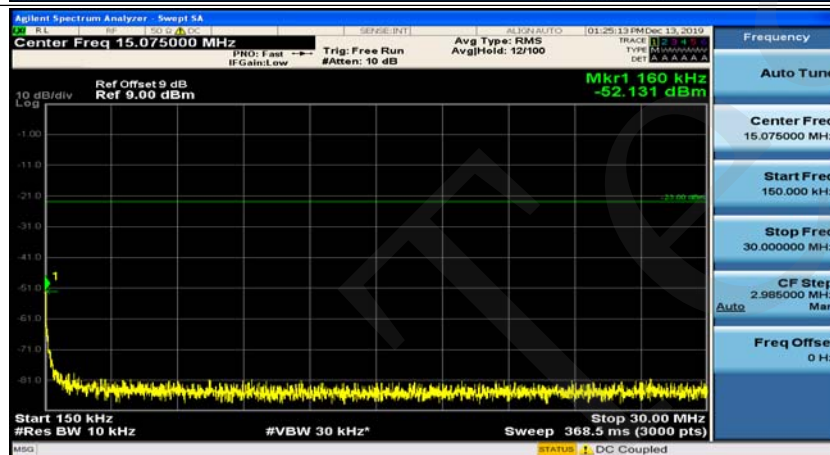
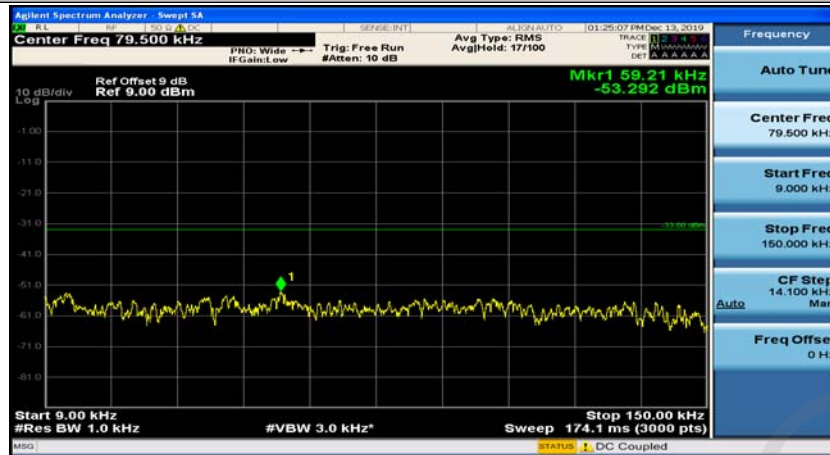


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

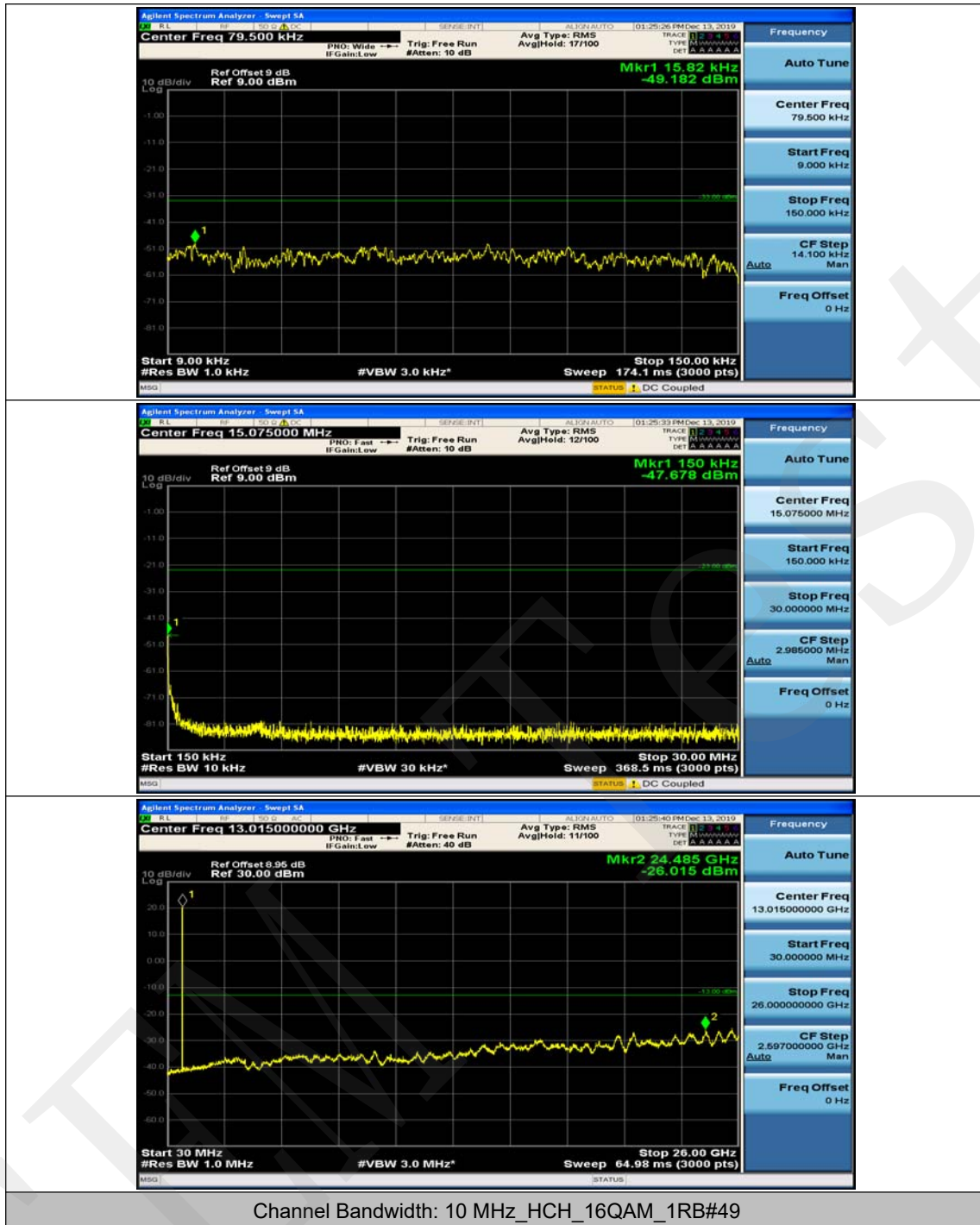


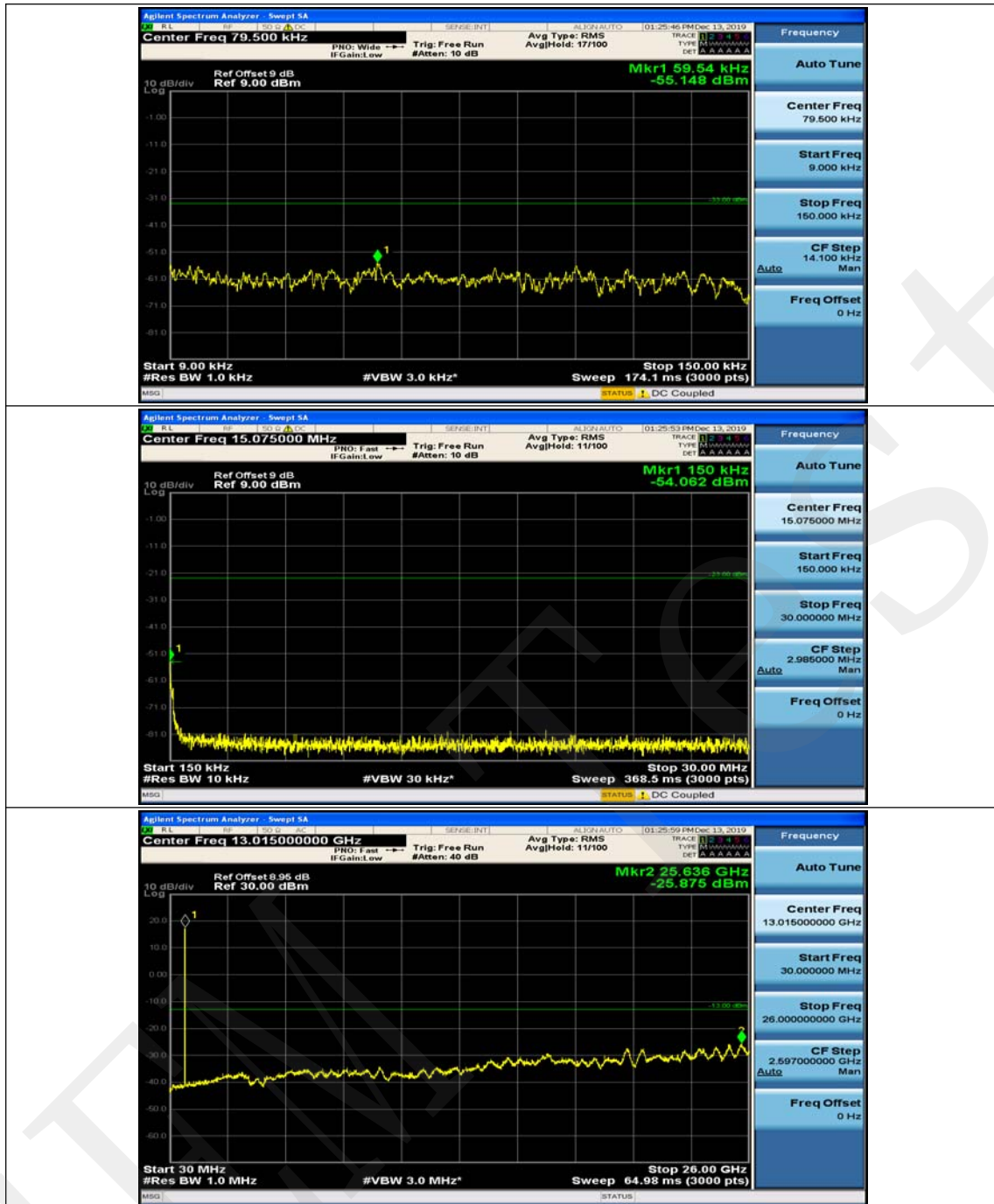


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1	-0.001415	± 2.5	PASS
		VN	TN	-0.88	-0.001246	± 2.5	PASS
		VH	TN	-0.68	-0.000962	± 2.5	PASS
	MCH	VL	TN	2.09	0.002944	± 2.5	PASS
		VN	TN	-0.42	-0.000592	± 2.5	PASS
		VH	TN	4.94	0.006958	± 2.5	PASS
	HCH	VL	TN	4.13	0.005788	± 2.5	PASS
		VN	TN	2.3	0.003224	± 2.5	PASS
		VH	TN	2.59	0.003630	± 2.5	PASS
16QAM	LCH	VL	TN	4.49	0.006355	± 2.5	PASS
		VN	TN	-1.74	-0.002463	± 2.5	PASS
		VH	TN	4.07	0.005761	± 2.5	PASS
	MCH	VL	TN	2.51	0.003535	± 2.5	PASS
		VN	TN	-0.57	-0.000803	± 2.5	PASS
		VH	TN	1.99	0.002803	± 2.5	PASS
	HCH	VL	TN	3.77	0.005284	± 2.5	PASS
		VN	TN	4.66	0.006531	± 2.5	PASS
		VH	TN	0.88	0.001233	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.52	0.003567	± 2.5	PASS
		VN	-20	3.15	0.004459	± 2.5	PASS
		VN	-10	-1.15	-0.001628	± 2.5	PASS
		VN	0	-0.73	-0.001033	± 2.5	PASS
		VN	10	0.3	0.000425	± 2.5	PASS
		VN	20	3.38	0.004784	± 2.5	PASS
		VN	30	4.3	0.006086	± 2.5	PASS
		VN	40	2.98	0.004218	± 2.5	PASS
		VN	50	1.25	0.001769	± 2.5	PASS
	MCH	VN	-30	-1.56	-0.002197	± 2.5	PASS
		VN	-20	-1.64	-0.002310	± 2.5	PASS

		VN	-10	2.98	0.004197	± 2.5	PASS
		VN	0	0.06	0.000085	± 2.5	PASS
		VN	10	1.25	0.001761	± 2.5	PASS
		VN	20	0.72	0.001014	± 2.5	PASS
		VN	30	3.81	0.005366	± 2.5	PASS
		VN	40	1.25	0.001761	± 2.5	PASS
		VN	50	4.12	0.005803	± 2.5	PASS
	HCH	VN	-30	3.62	0.005074	± 2.5	PASS
		VN	-20	3.33	0.004667	± 2.5	PASS
		VN	-10	-1.33	-0.001864	± 2.5	PASS
		VN	0	-0.22	-0.000308	± 2.5	PASS
		VN	10	-0.4	-0.000561	± 2.5	PASS
		VN	20	-1.6	-0.002242	± 2.5	PASS
		VN	30	4.56	0.006391	± 2.5	PASS
		VN	40	0.58	0.000813	± 2.5	PASS
		VN	50	1.36	0.001906	± 2.5	PASS
16QAM	LCH	VN	-30	3.47	0.004912	± 2.5	PASS
		VN	-20	2.72	0.003850	± 2.5	PASS
		VN	-10	1.06	0.001500	± 2.5	PASS
		VN	0	-1.43	-0.002024	± 2.5	PASS
		VN	10	3.9	0.005520	± 2.5	PASS
		VN	20	2.46	0.003482	± 2.5	PASS
		VN	30	4.54	0.006426	± 2.5	PASS
		VN	40	0.36	0.000510	± 2.5	PASS
		VN	50	1.49	0.002109	± 2.5	PASS
	MCH	VN	-30	0.89	0.001247	± 2.5	PASS
		VN	-20	3.04	0.004261	± 2.5	PASS
		VN	-10	2.96	0.004149	± 2.5	PASS
		VN	0	3.41	0.004779	± 2.5	PASS
		VN	10	3.31	0.004639	± 2.5	PASS
		VN	20	-1.72	-0.002411	± 2.5	PASS
		VN	30	2.31	0.003238	± 2.5	PASS
		VN	40	0.85	0.001191	± 2.5	PASS
		VN	50	3.98	0.005578	± 2.5	PASS
	HCH	VN	-30	0.45	0.000631	± 2.5	PASS
		VN	-20	-1.95	-0.002733	± 2.5	PASS
		VN	-10	0.78	0.001093	± 2.5	PASS
		VN	0	4.24	0.005943	± 2.5	PASS
		VN	10	-1.18	-0.001654	± 2.5	PASS
		VN	20	0.95	0.001331	± 2.5	PASS
		VN	30	0.15	0.000210	± 2.5	PASS

		VN	40	-0.2	-0.000280	± 2.5	PASS
		VN	50	0.65	0.000911	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.09	0.000127	± 2.5	PASS
		VN	TN	3.65	0.005148	± 2.5	PASS
		VH	TN	2.99	0.004217	± 2.5	PASS
	MCH	VL	TN	0.14	0.000197	± 2.5	PASS
		VN	TN	2.03	0.002859	± 2.5	PASS
		VH	TN	-1.93	-0.002718	± 2.5	PASS
	HCH	VL	TN	4.36	0.006132	± 2.5	PASS
		VN	TN	-0.92	-0.001294	± 2.5	PASS
		VH	TN	-1.18	-0.001660	± 2.5	PASS
16QAM	LCH	VL	TN	4.74	0.006685	± 2.5	PASS
		VN	TN	3.28	0.004626	± 2.5	PASS
		VH	TN	4.98	0.007024	± 2.5	PASS
	MCH	VL	TN	2.24	0.003155	± 2.5	PASS
		VN	TN	0.19	0.000268	± 2.5	PASS
		VH	TN	0.46	0.000648	± 2.5	PASS
	HCH	VL	TN	-1.52	-0.002138	± 2.5	PASS
		VN	TN	3.7	0.005204	± 2.5	PASS
		VH	TN	4.99	0.007018	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.55	-0.002186	± 2.5	PASS
		VN	-20	-1.57	-0.002214	± 2.5	PASS
		VN	-10	-0.87	-0.001227	± 2.5	PASS
		VN	0	4.95	0.006982	± 2.5	PASS
		VN	10	1.41	0.001989	± 2.5	PASS
		VN	20	4.72	0.006657	± 2.5	PASS
		VN	30	-0.24	-0.000339	± 2.5	PASS
		VN	40	4.67	0.006587	± 2.5	PASS
		VN	50	2.85	0.004020	± 2.5	PASS
	MCH	VN	-30	4.78	0.006732	± 2.5	PASS
		VN	-20	0.51	0.000718	± 2.5	PASS
		VN	-10	1.67	0.002352	± 2.5	PASS

		VN	0	-1.37	-0.001930	± 2.5	PASS
		VN	10	4.53	0.006380	± 2.5	PASS
		VN	20	4.32	0.006085	± 2.5	PASS
		VN	30	2.74	0.003859	± 2.5	PASS
		VN	40	4.14	0.005831	± 2.5	PASS
		VN	50	3.19	0.004493	± 2.5	PASS
	HCH	VN	-30	-1.11	-0.001561	± 2.5	PASS
		VN	-20	4.81	0.006765	± 2.5	PASS
		VN	-10	0.73	0.001027	± 2.5	PASS
		VN	0	4.31	0.006062	± 2.5	PASS
		VN	10	3.71	0.005218	± 2.5	PASS
		VN	20	1.5	0.002110	± 2.5	PASS
		VN	30	3.79	0.005331	± 2.5	PASS
		VN	40	3.69	0.005190	± 2.5	PASS
		VN	50	3.01	0.004233	± 2.5	PASS
QPSK	LCH	VN	-30	2.93	0.004127	± 2.5	PASS
		VN	-20	0.75	0.001056	± 2.5	PASS
		VN	-10	1.75	0.002465	± 2.5	PASS
		VN	0	4.78	0.006732	± 2.5	PASS
		VN	10	1.85	0.002606	± 2.5	PASS
		VN	20	3.84	0.005408	± 2.5	PASS
		VN	30	3.85	0.005423	± 2.5	PASS
		VN	40	-1.21	-0.001704	± 2.5	PASS
		VN	50	-1.5	-0.002113	± 2.5	PASS
	MCH	VN	-30	4.27	0.006006	± 2.5	PASS
		VN	-20	0.94	0.001322	± 2.5	PASS
		VN	-10	4.42	0.006217	± 2.5	PASS
		VN	0	1.26	0.001772	± 2.5	PASS
		VN	10	-1.65	-0.002321	± 2.5	PASS
		VN	20	4.2	0.005907	± 2.5	PASS
		VN	30	2.09	0.002940	± 2.5	PASS
		VN	40	3.68	0.005176	± 2.5	PASS
		VN	50	3.07	0.004318	± 2.5	PASS
	HCH	VN	-30	4	0.005626	± 2.5	PASS
		VN	-20	4.09	0.005752	± 2.5	PASS
		VN	-10	4.27	0.006006	± 2.5	PASS
		VN	0	-0.05	-0.000070	± 2.5	PASS
		VN	10	3.47	0.004880	± 2.5	PASS
		VN	20	1.65	0.002321	± 2.5	PASS
		VN	30	-1.09	-0.001533	± 2.5	PASS
		VN	40	2.39	0.003361	± 2.5	PASS

		VN	50	-0.2	-0.000281	± 2.5	PASS
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