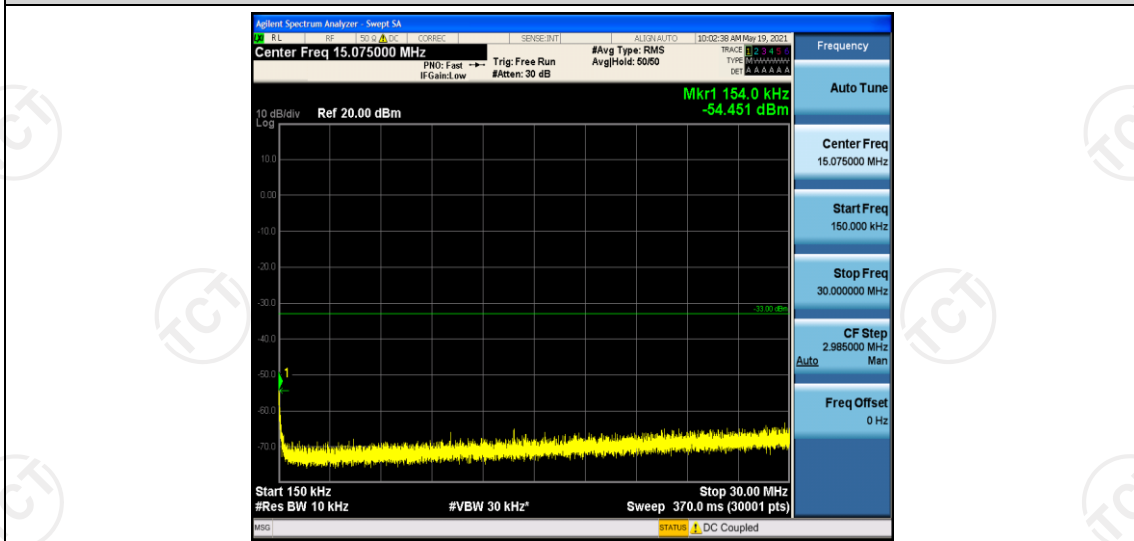




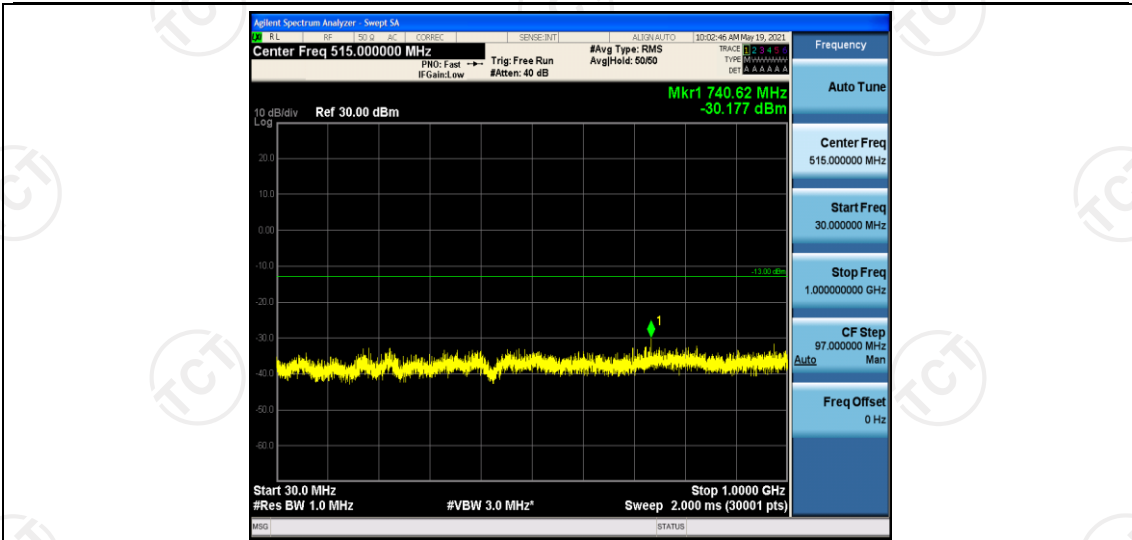
Band66-15MHz-16QAM-132047-1RB#0-Range1:0.009~0.15MHz



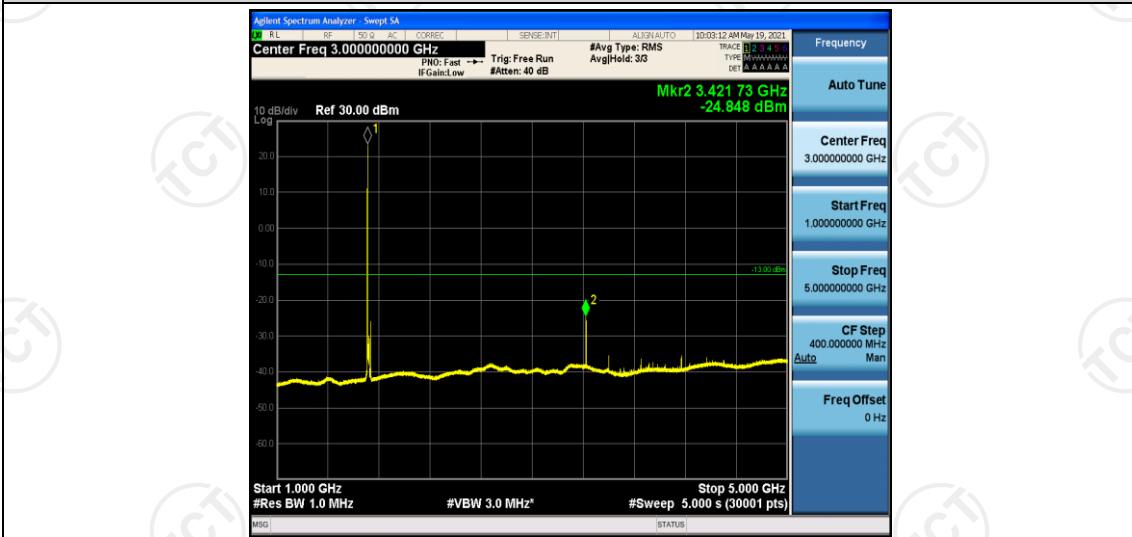
Band66-15MHz-16QAM-132047-1RB#0-Range2:0.15~30MHz



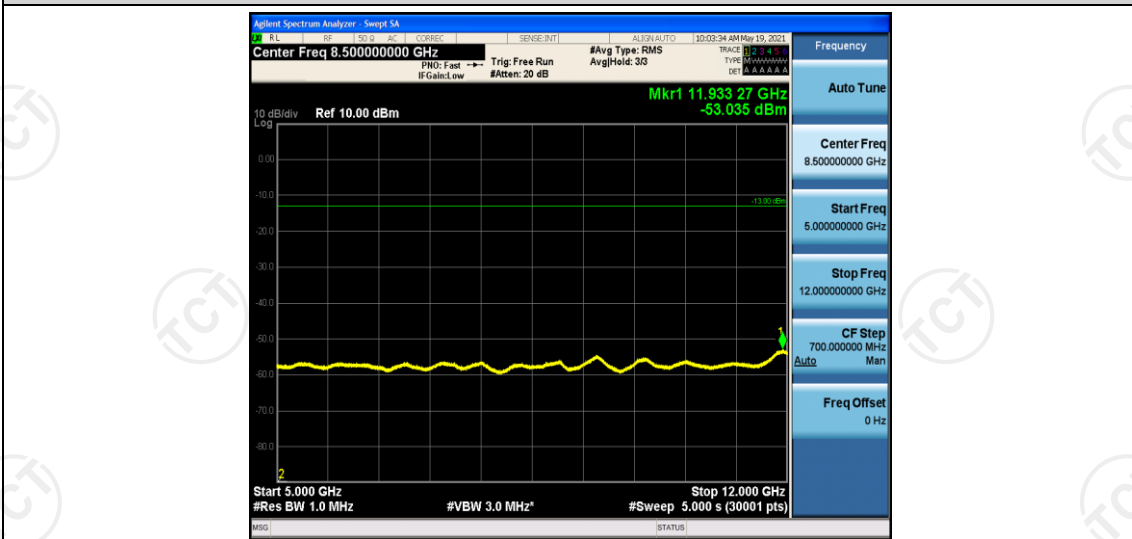
Band66-15MHz-16QAM-132047-1RB#0-Range3:30~1000MHz



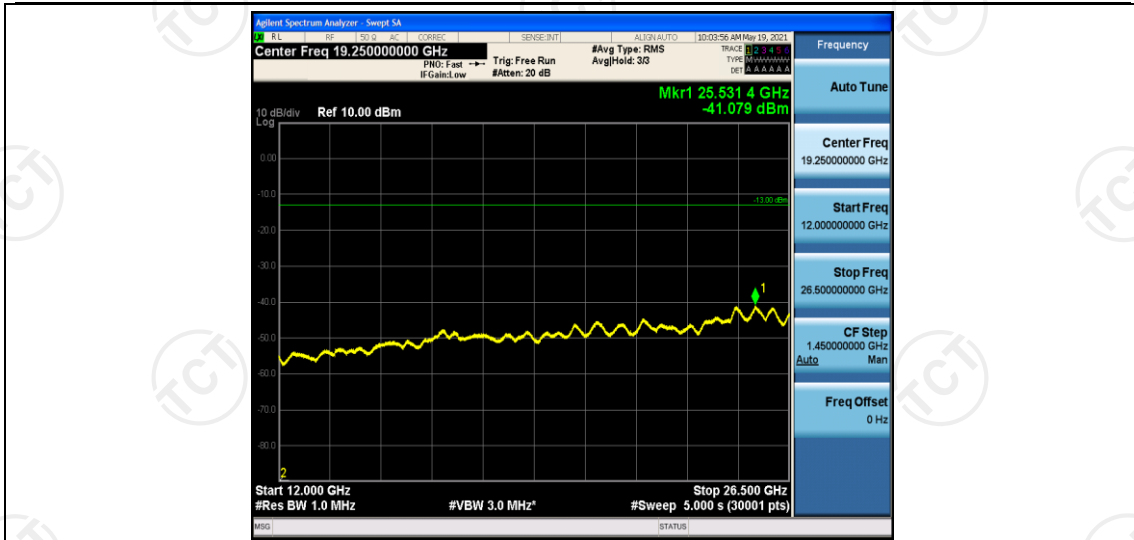
Band66-15MHz-16QAM-132047-1RB#0-Range4:1000~5000MHz



Band66-15MHz-16QAM-132047-1RB#0-Range5:5000~12000MHz



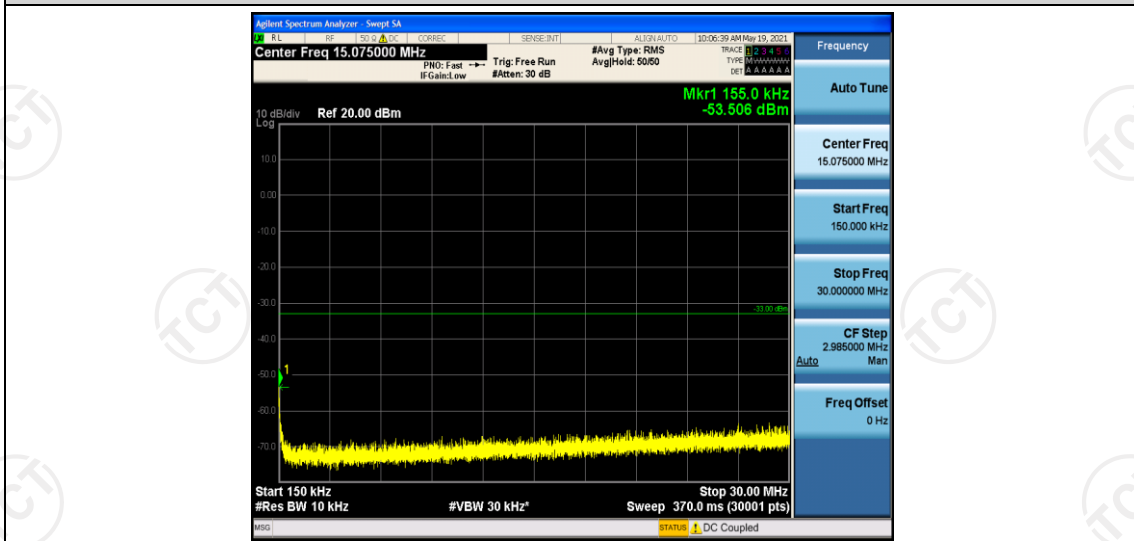
Band66-15MHz-16QAM-132047-1RB#0-Range6:12000~26500MHz



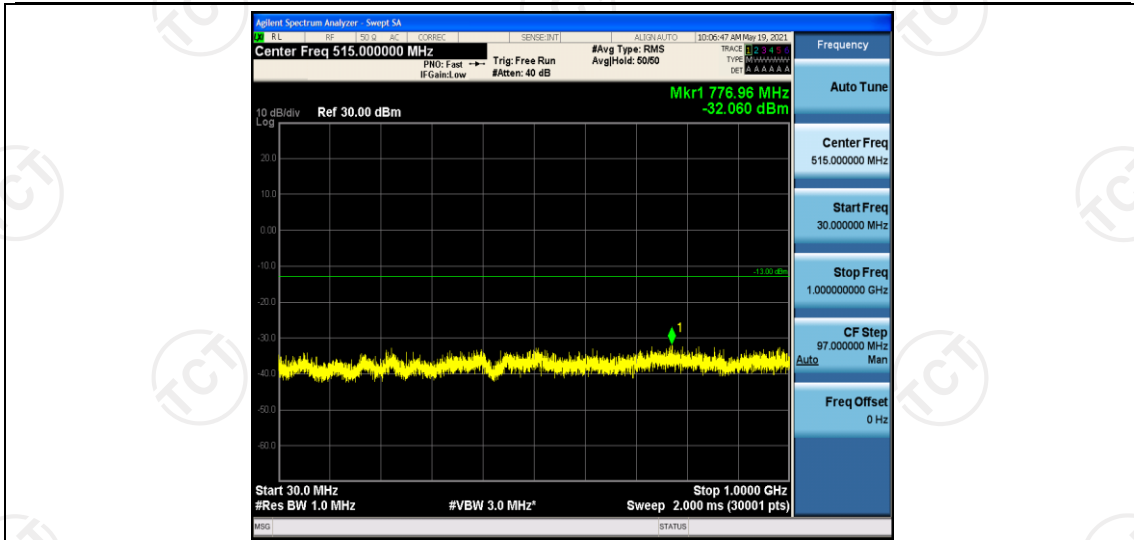
Band66-15MHz-16QAM-132322-1RB#0-Range1:0.009~0.15MHz



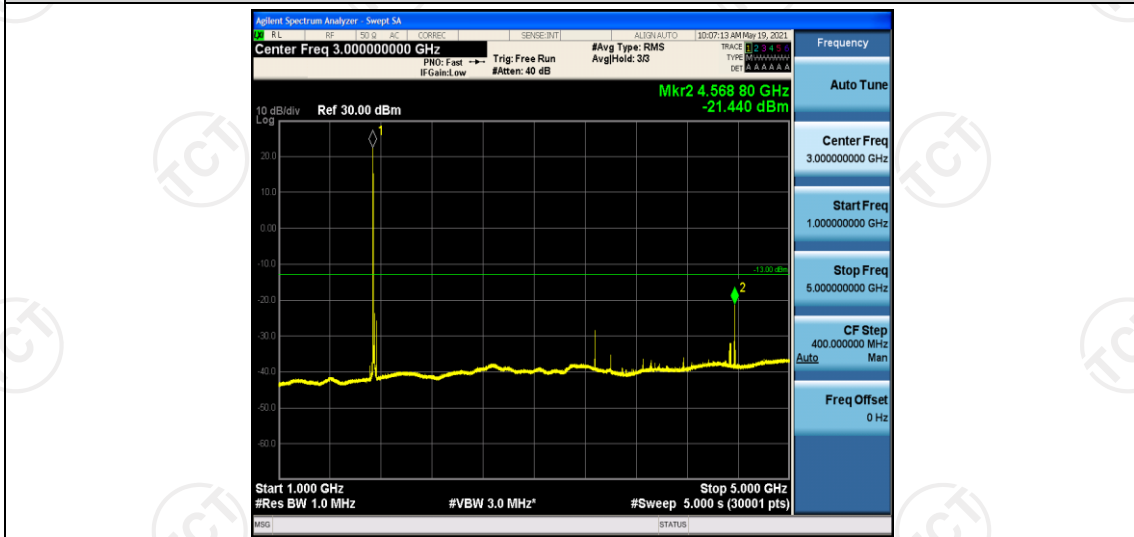
Band66-15MHz-16QAM-132322-1RB#0-Range2:0.15~30MHz



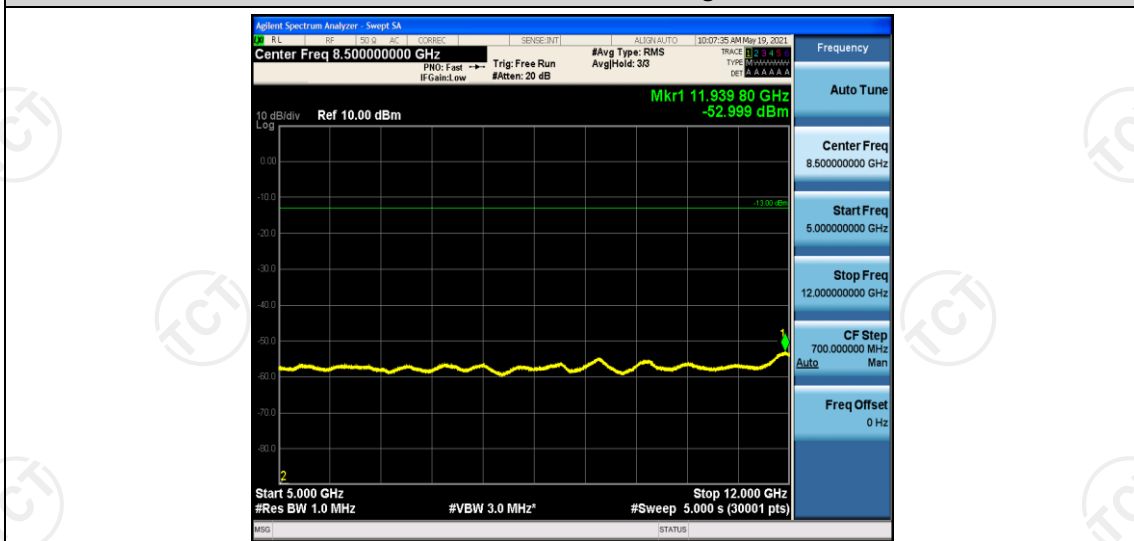
Band66-15MHz-16QAM-132322-1RB#0-Range3:30~1000MHz



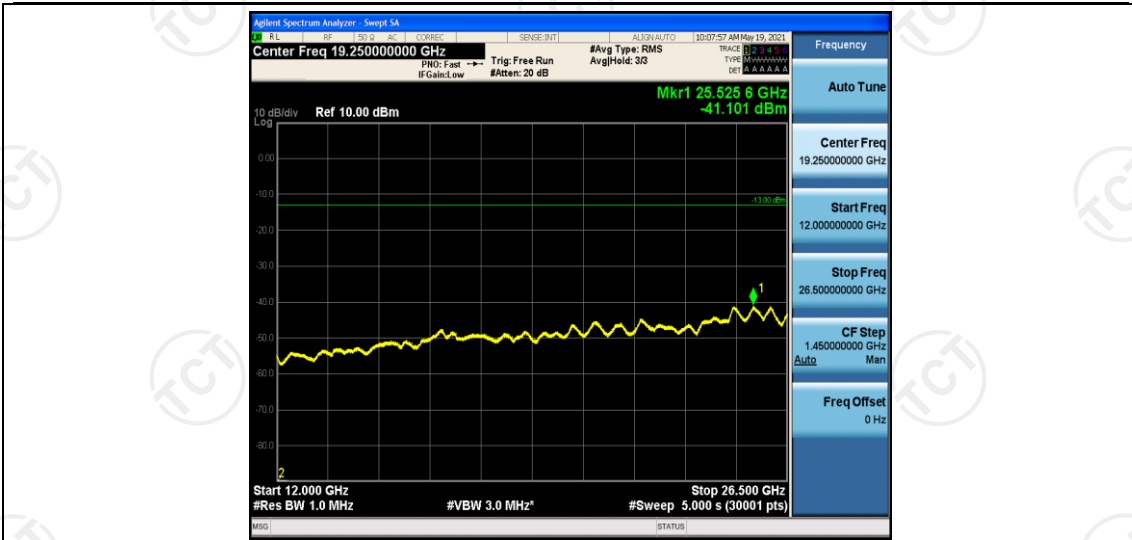
Band66-15MHz-16QAM-132322-1RB#0-Range4:1000~5000MHz



Band66-15MHz-16QAM-132322-1RB#0-Range5:5000~12000MHz



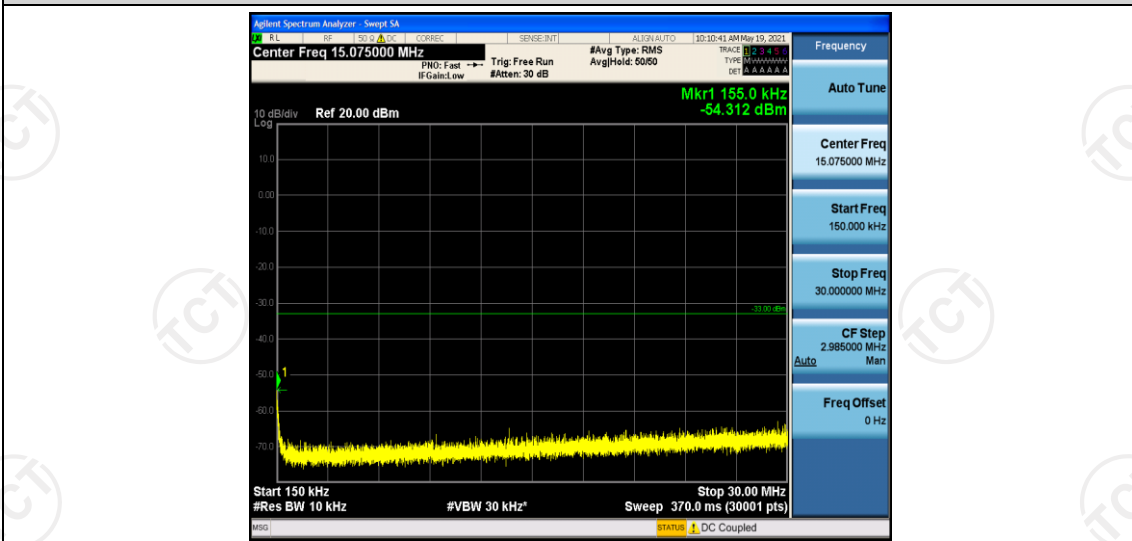
Band66-15MHz-16QAM-132322-1RB#0-Range6:12000~26500MHz



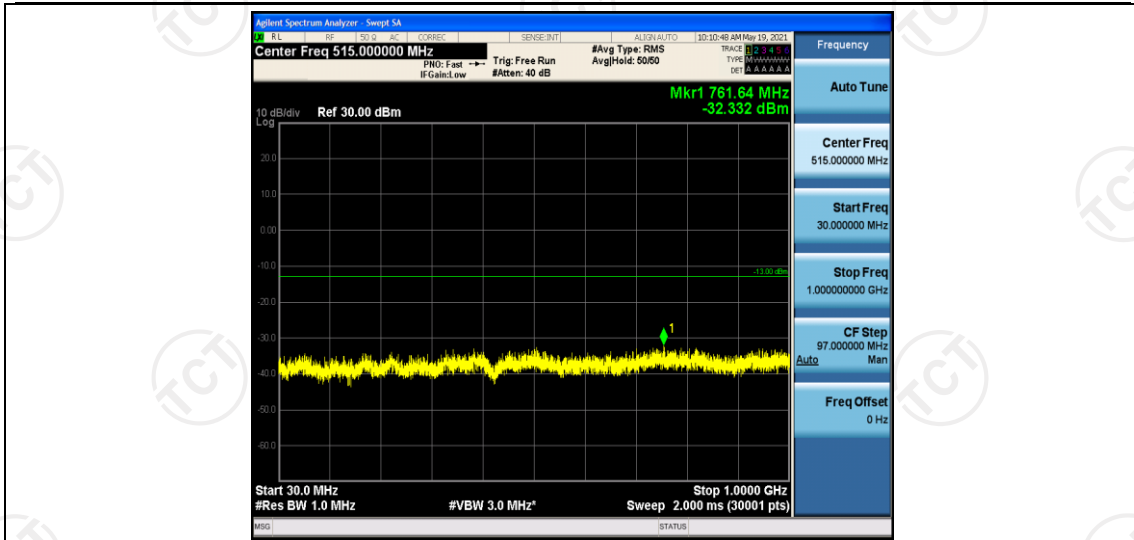
Band66-15MHz-16QAM-132597-1RB#0-Range1:0.009~0.15MHz



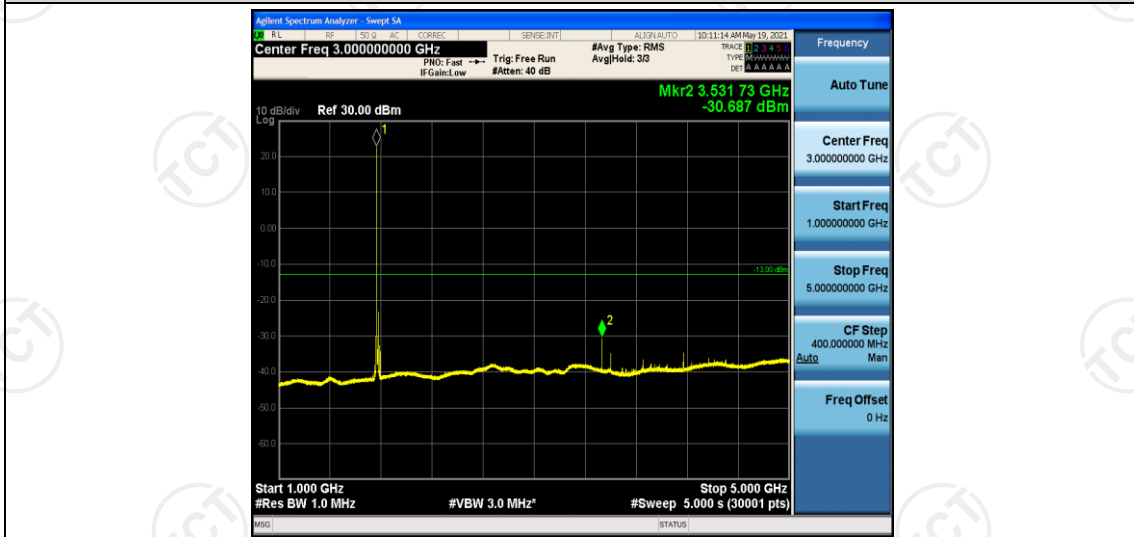
Band66-15MHz-16QAM-132597-1RB#0-Range2:0.15~30MHz



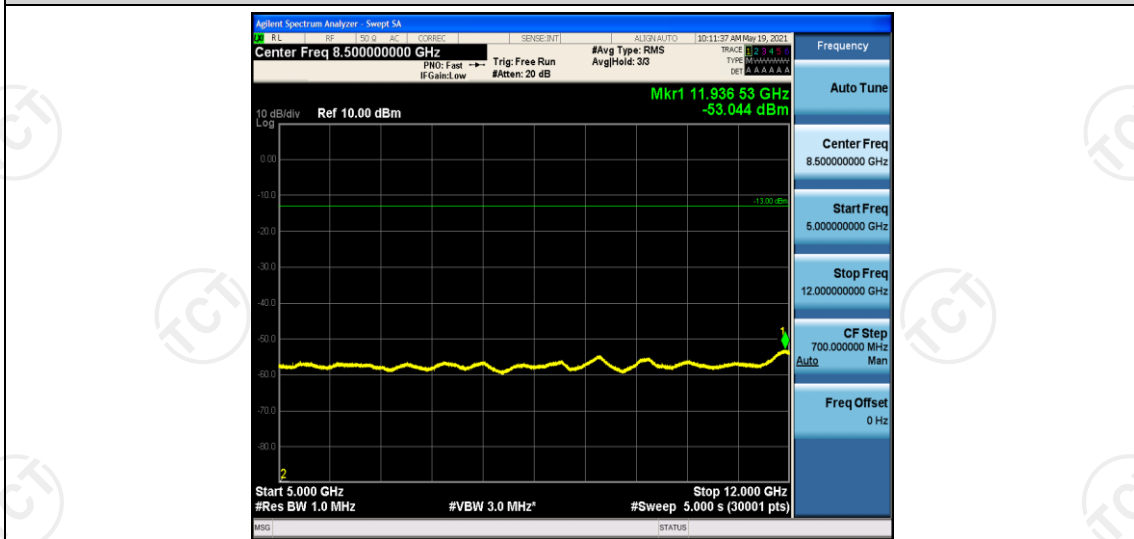
Band66-15MHz-16QAM-132597-1RB#0-Range3:30~1000MHz



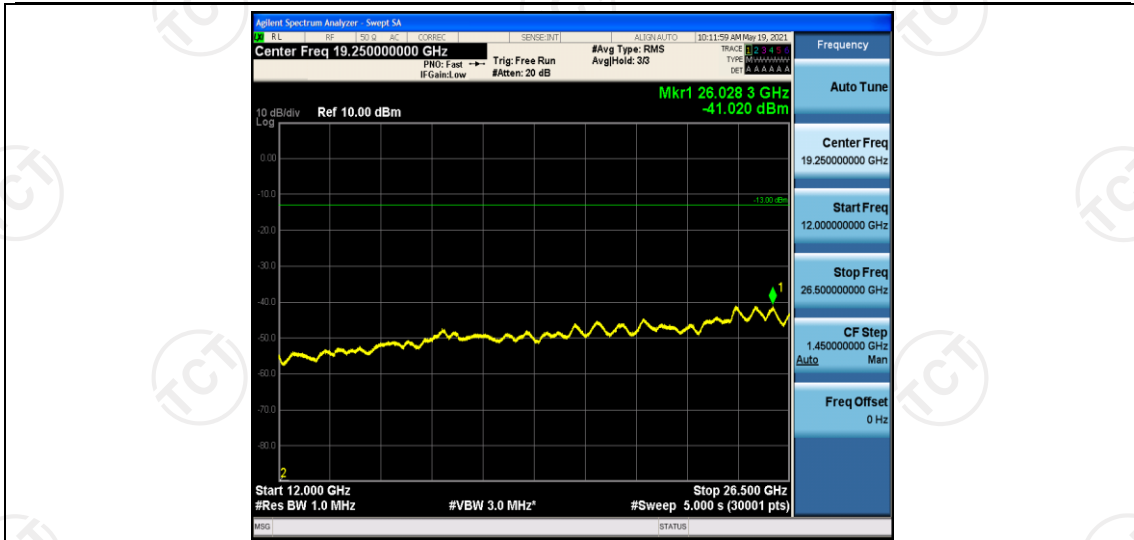
Band66-15MHz-16QAM-132597-1RB#0-Range4:1000~5000MHz



Band66-15MHz-16QAM-132597-1RB#0-Range5:5000~12000MHz



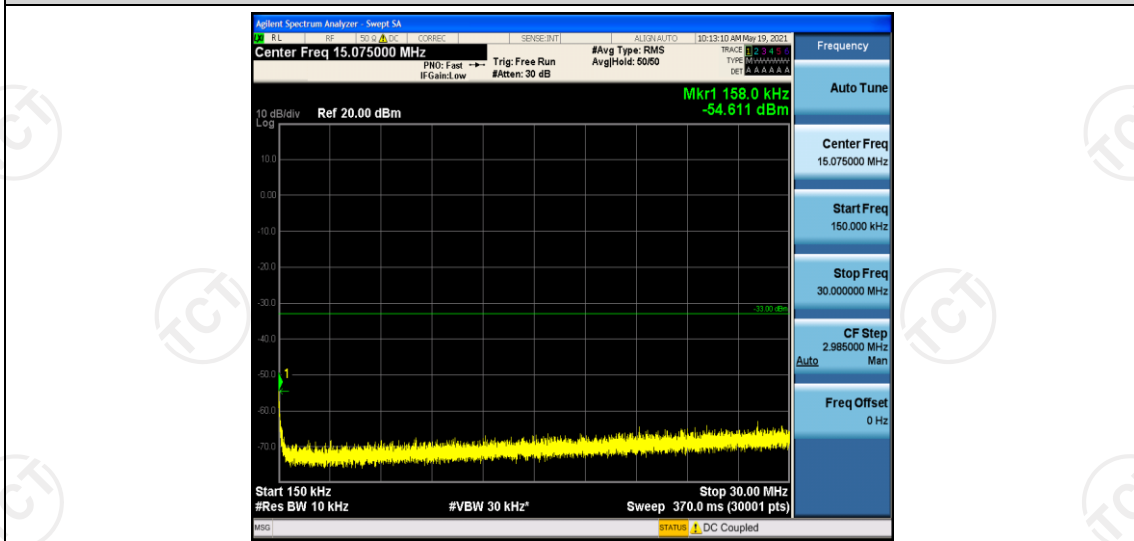
Band66-15MHz-16QAM-132597-1RB#0-Range6:12000~26500MHz



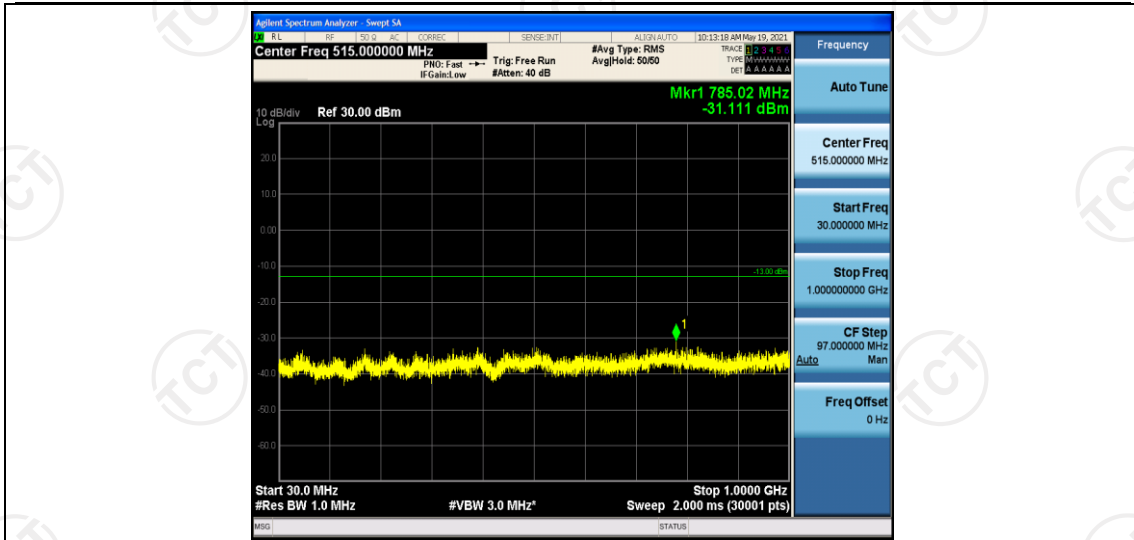
Band66-20MHz-QPSK-132072-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132072-1RB#0-Range2:0.15~30MHz



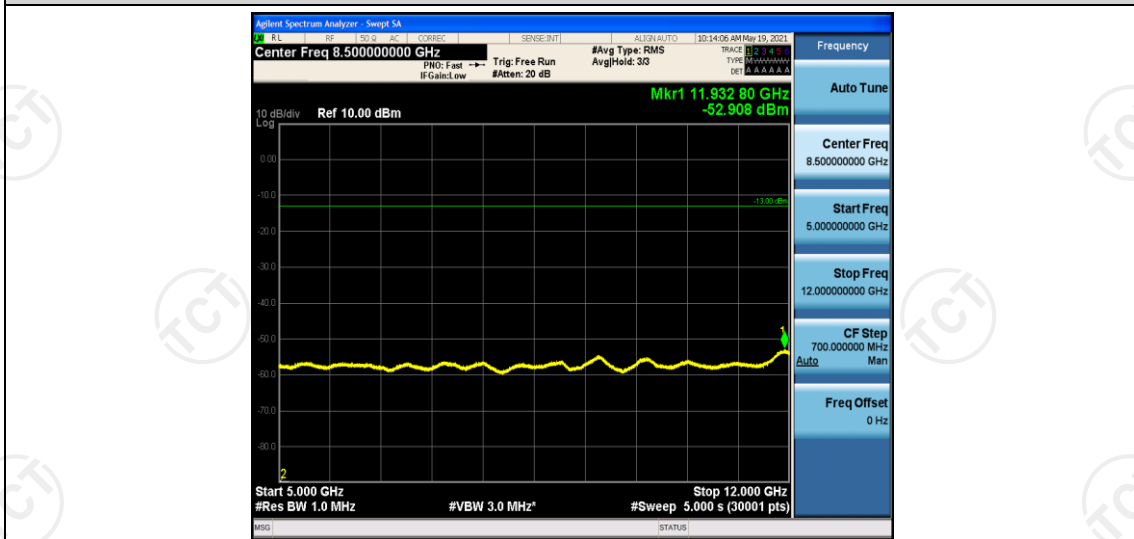
Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



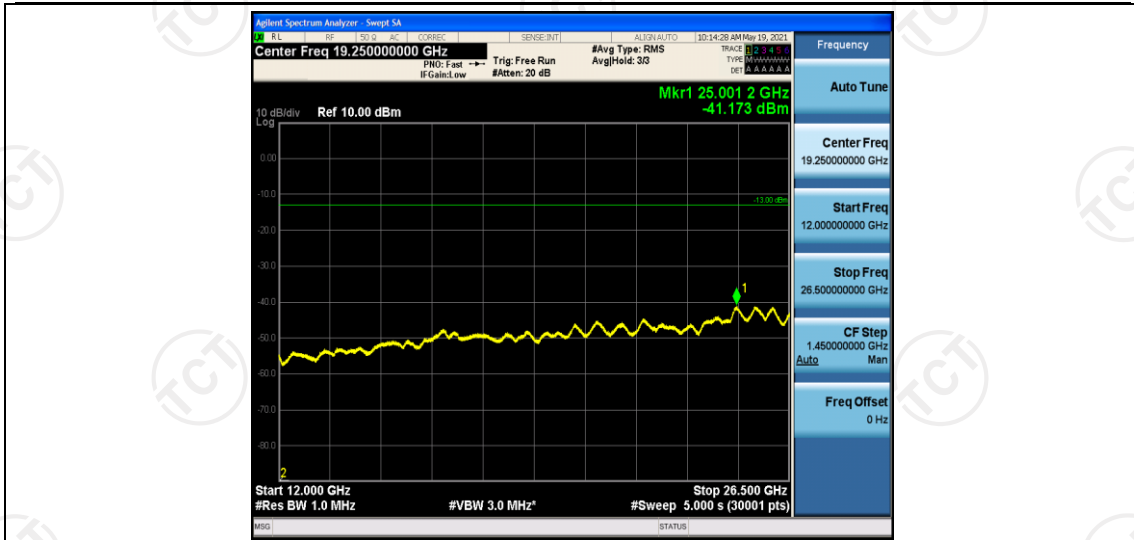
Band66-20MHz-QPSK-132072-1RB#0-Range4:1000~5000MHz



Band66-20MHz-QPSK-132072-1RB#0-Range5:5000~12000MHz



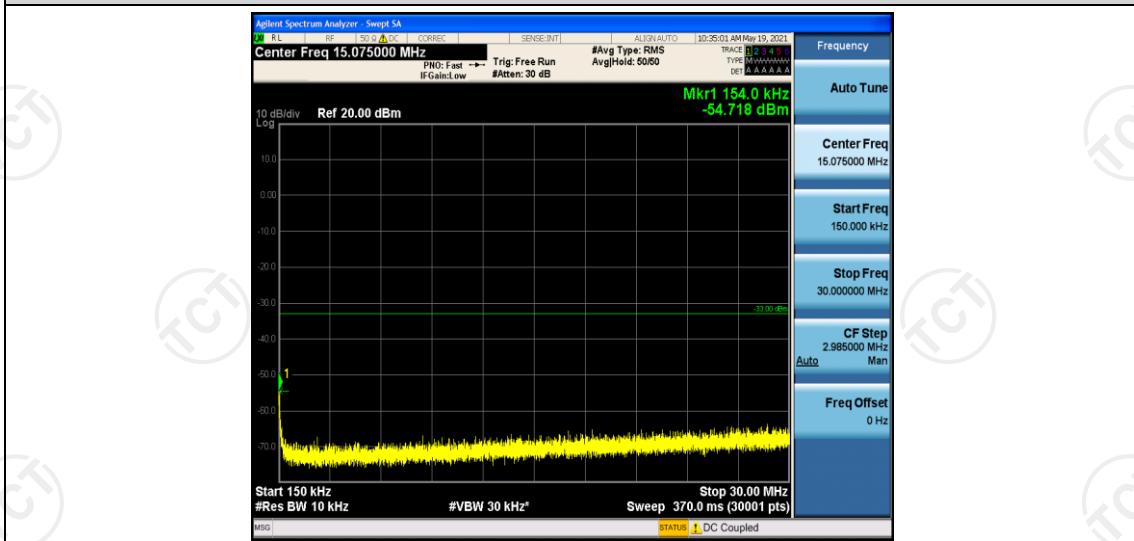
Band66-20MHz-QPSK-132072-1RB#0-Range6:12000~26500MHz



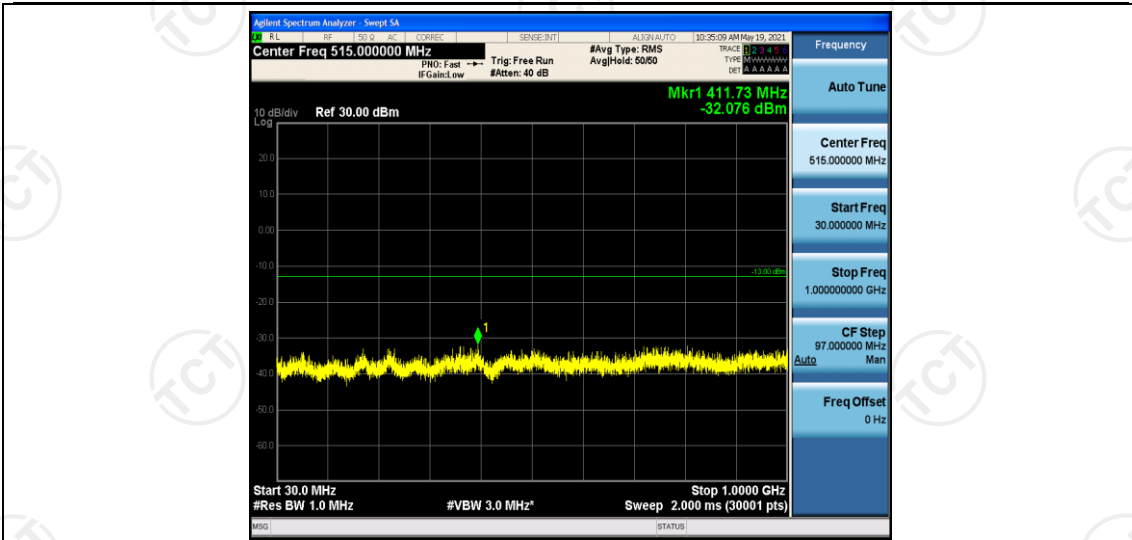
Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



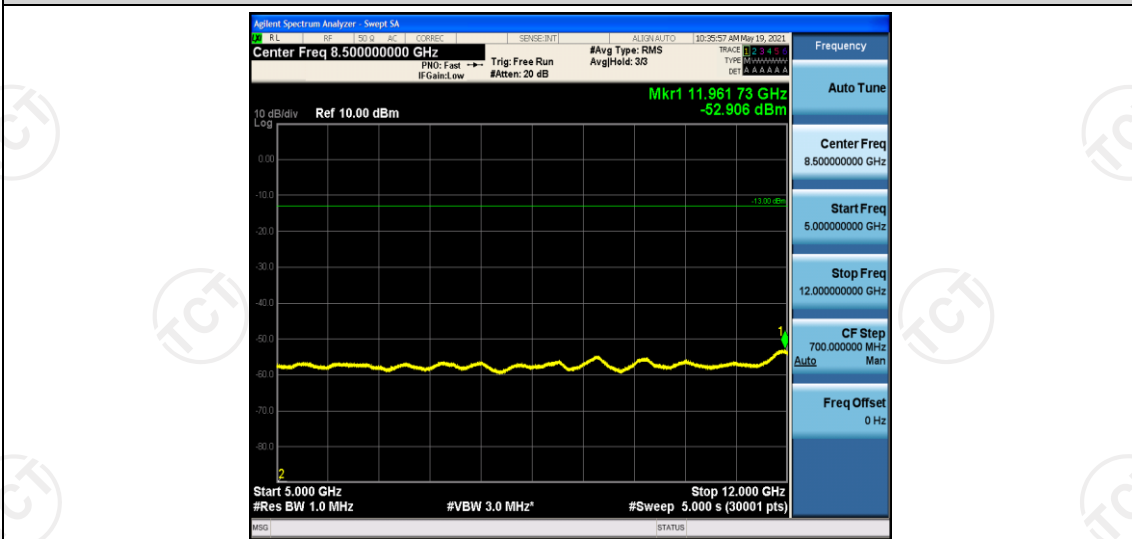
Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



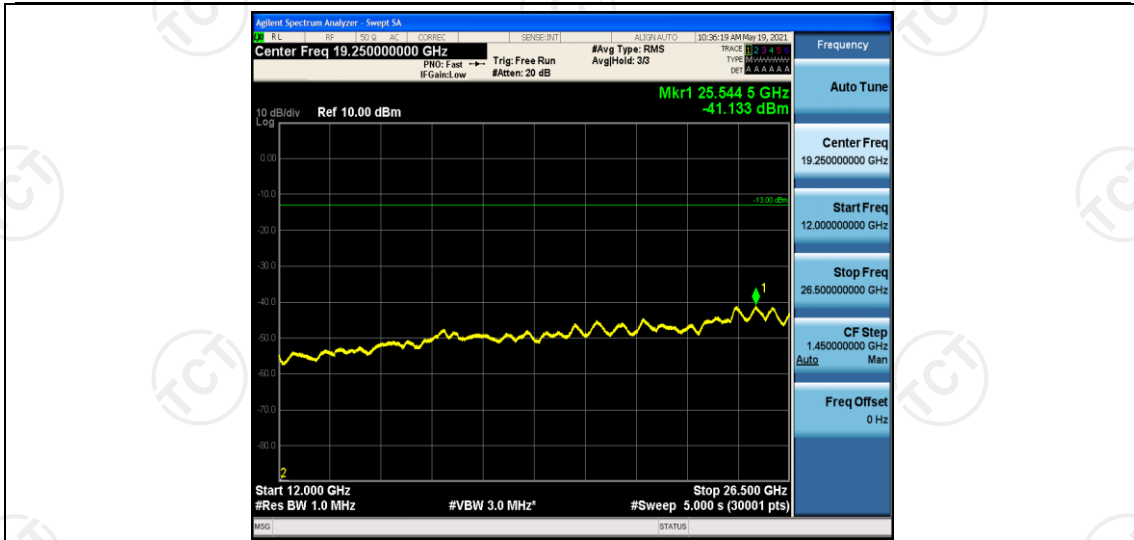
Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~5000MHz



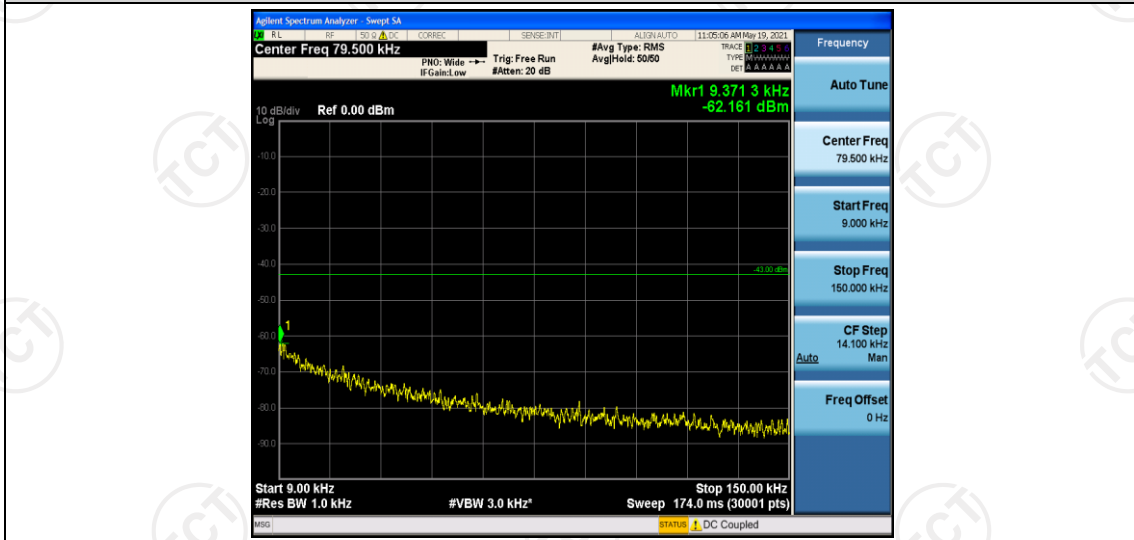
Band66-20MHz-QPSK-132322-1RB#0-Range5:5000~12000MHz



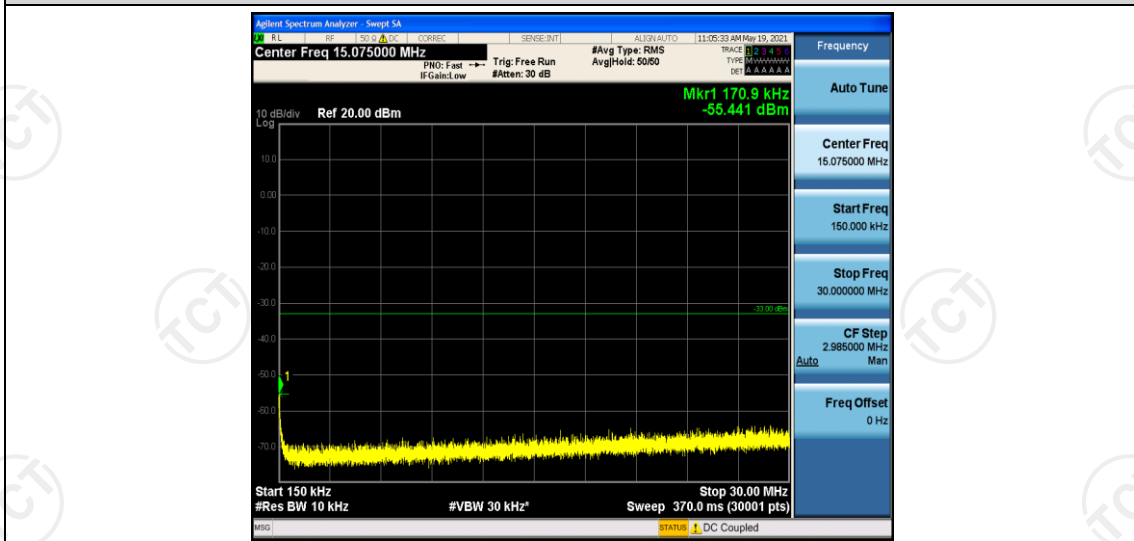
Band66-20MHz-QPSK-132322-1RB#0-Range6:12000~26500MHz



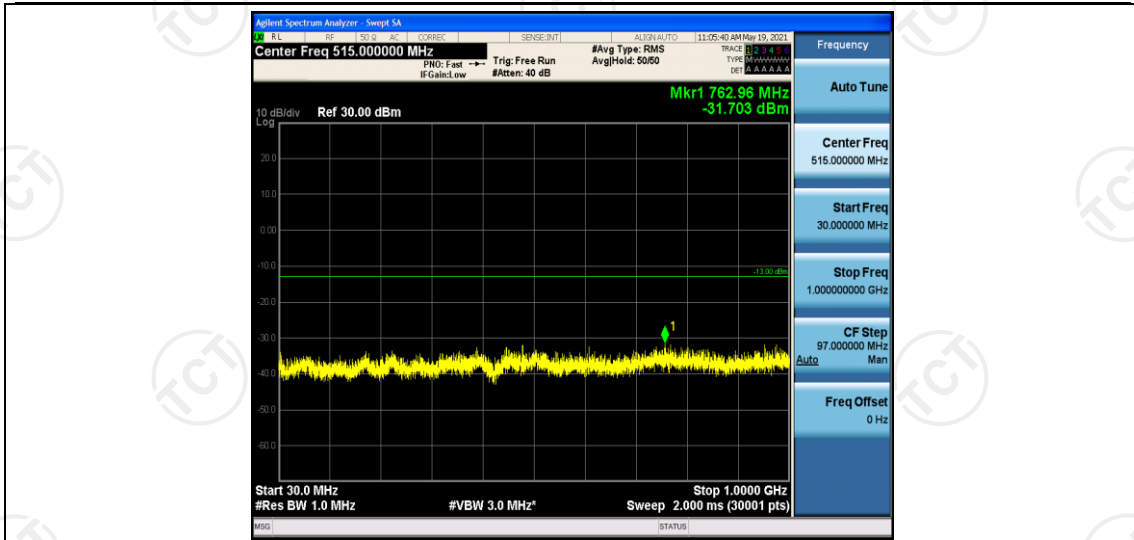
Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:0.15~30MHz



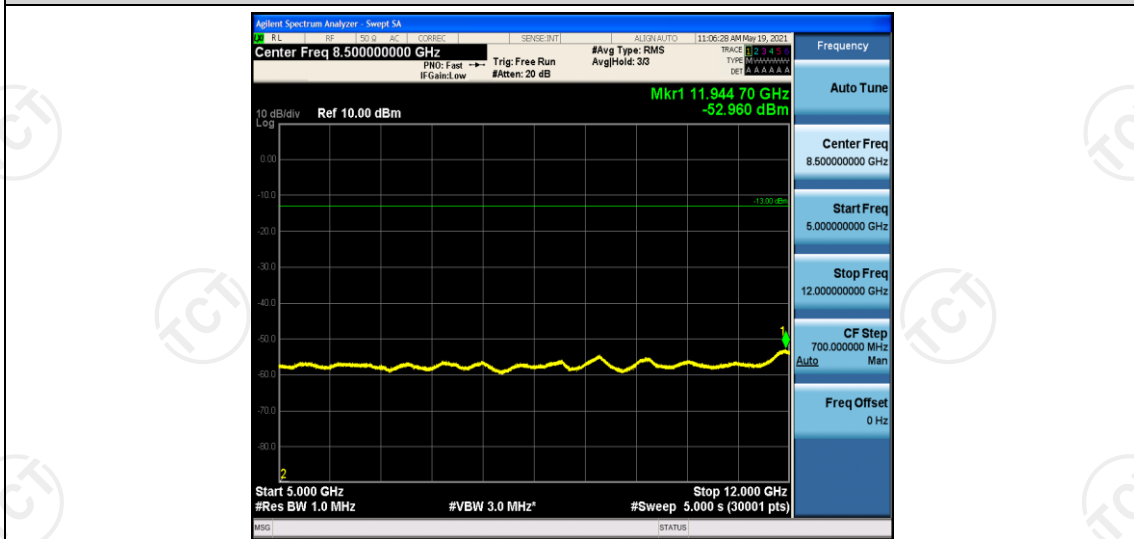
Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



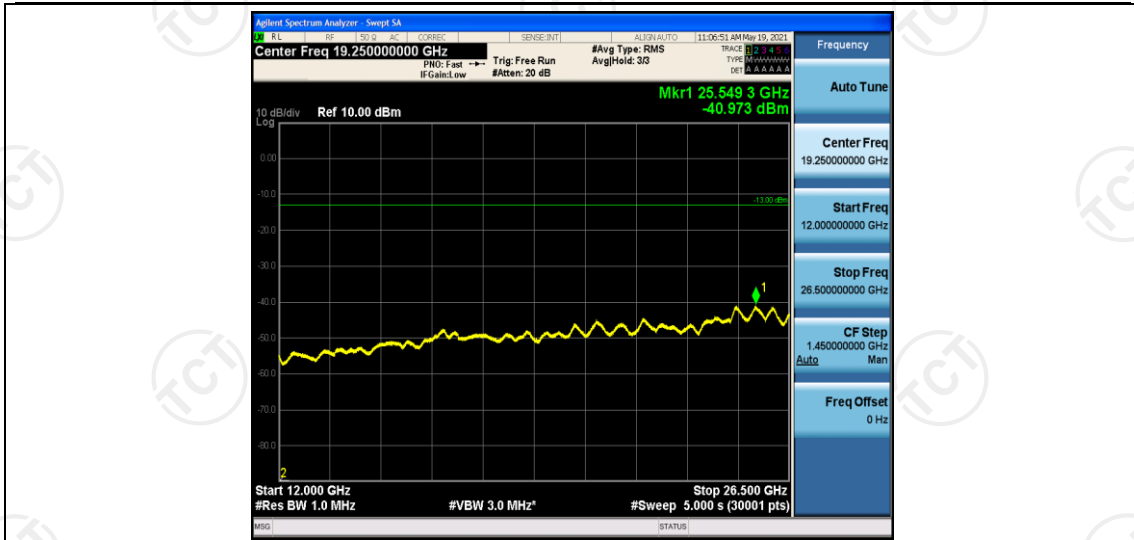
Band66-20MHz-QPSK-132572-1RB#0-Range4:1000~5000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range5:5000~12000MHz



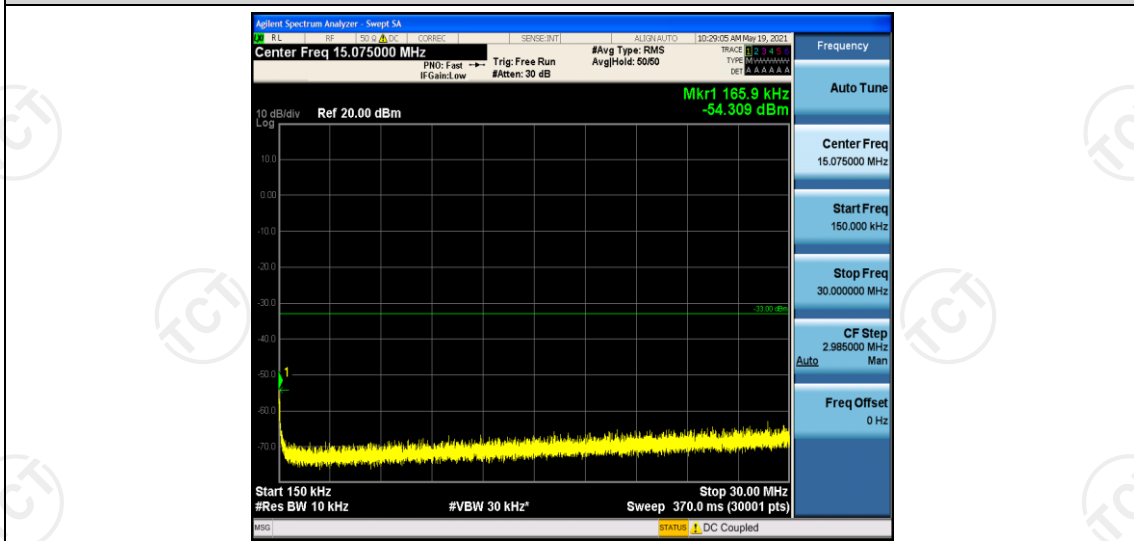
Band66-20MHz-QPSK-132572-1RB#0-Range6:12000~26500MHz



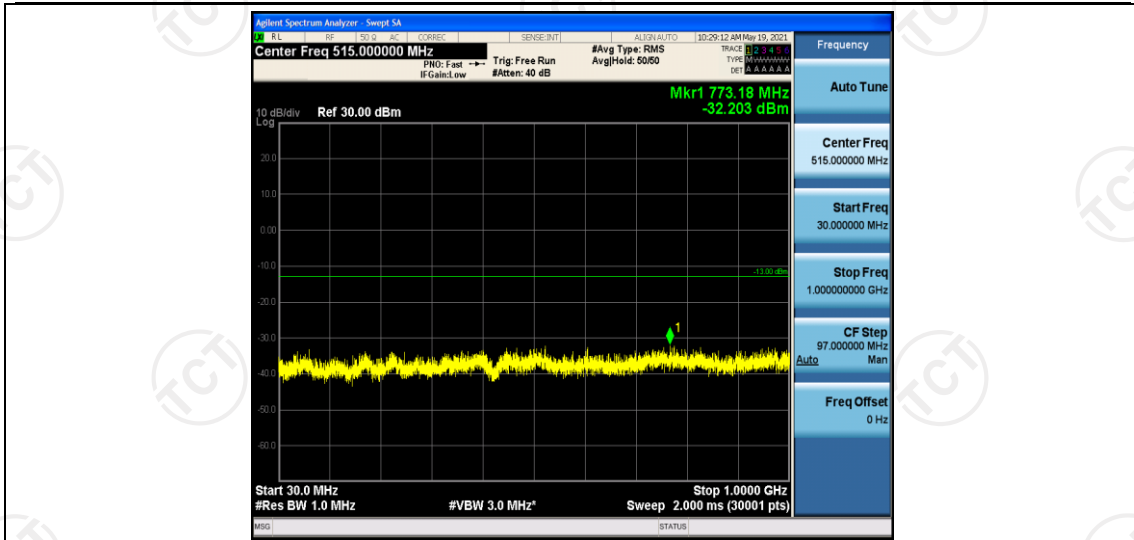
Band66-20MHz-16QAM-132072-1RB#0-Range1:0.009~0.15MHz



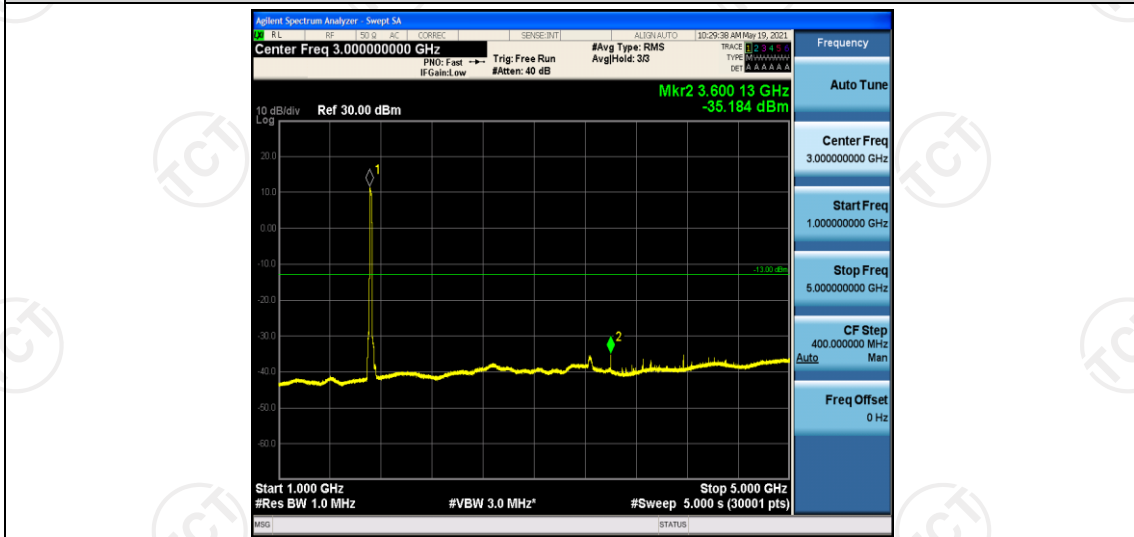
Band66-20MHz-16QAM-132072-1RB#0-Range2:0.15~30MHz



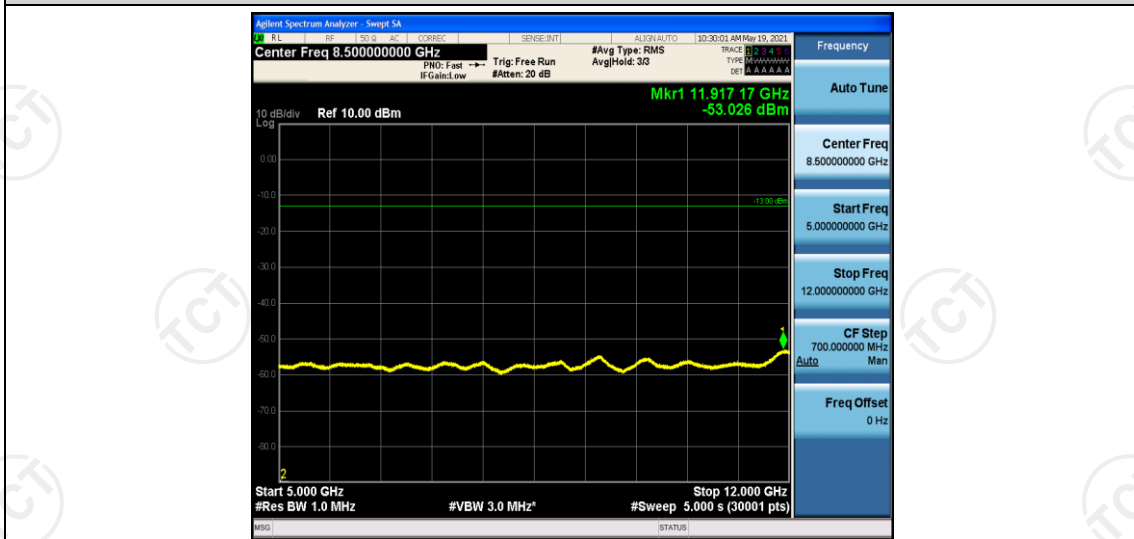
Band66-20MHz-16QAM-132072-1RB#0-Range3:30~1000MHz



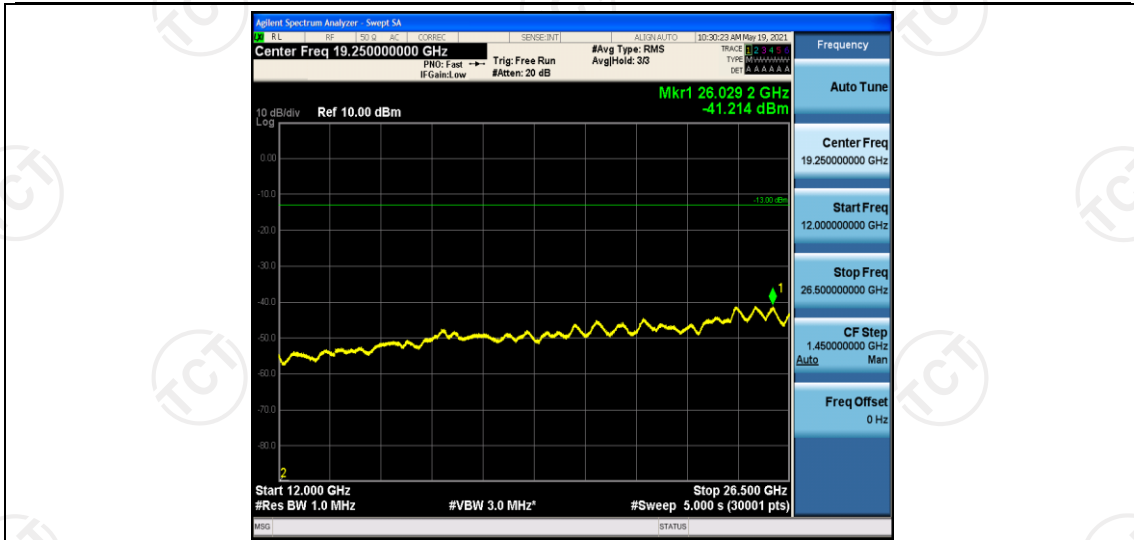
Band66-20MHz-16QAM-132072-1RB#0-Range4:1000~5000MHz



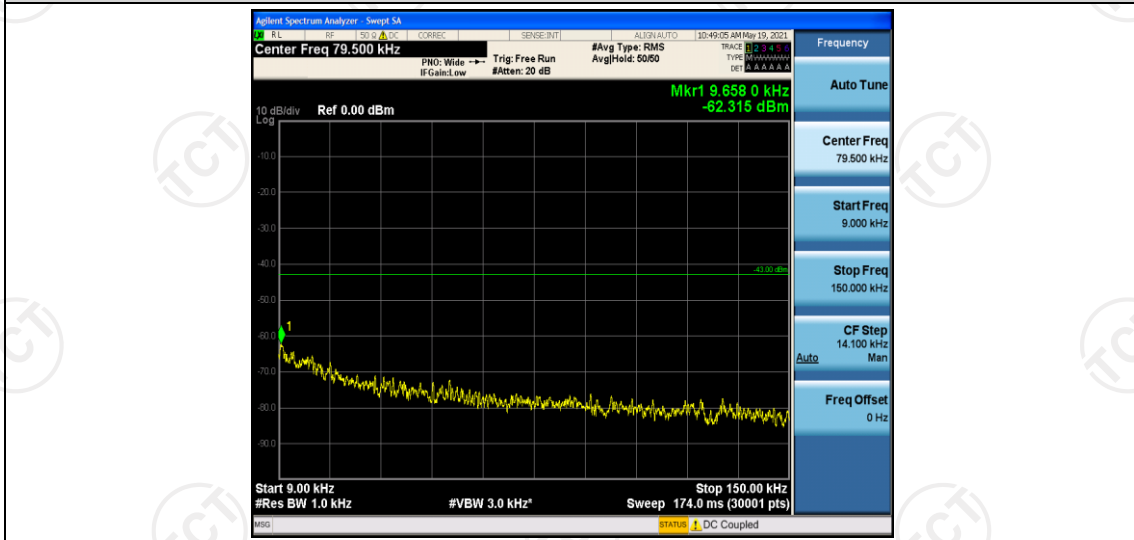
Band66-20MHz-16QAM-132072-1RB#0-Range5:5000~12000MHz



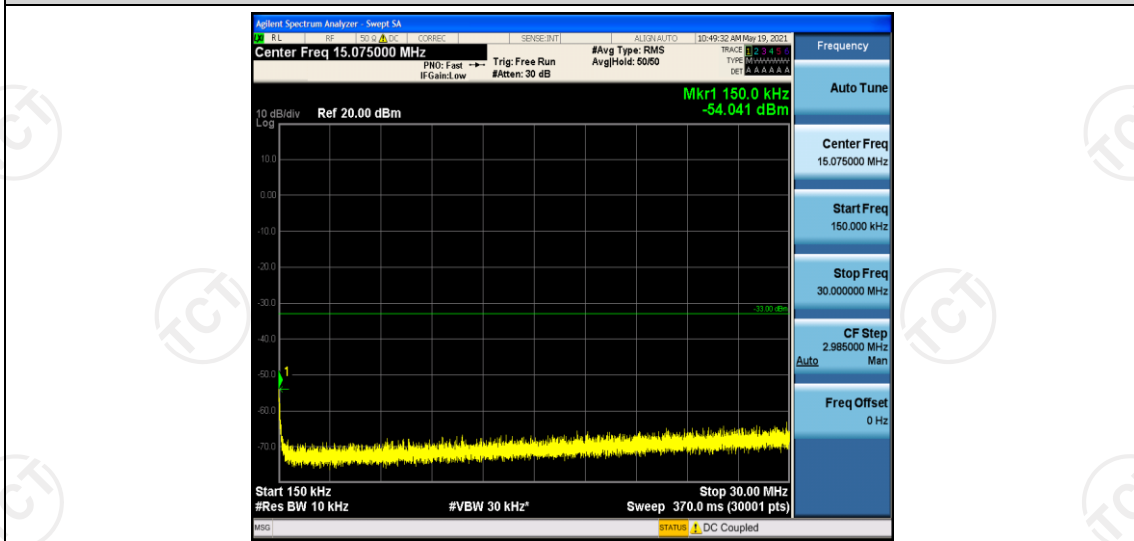
Band66-20MHz-16QAM-132072-1RB#0-Range6:12000~26500MHz



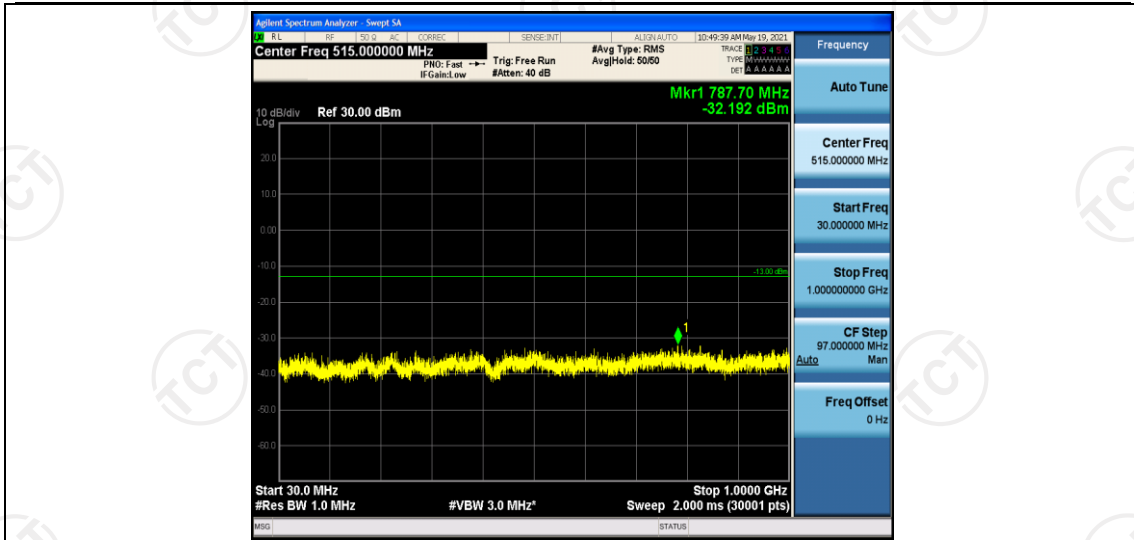
Band66-20MHz-16QAM-132322-1RB#0-Range1:0.009~0.15MHz



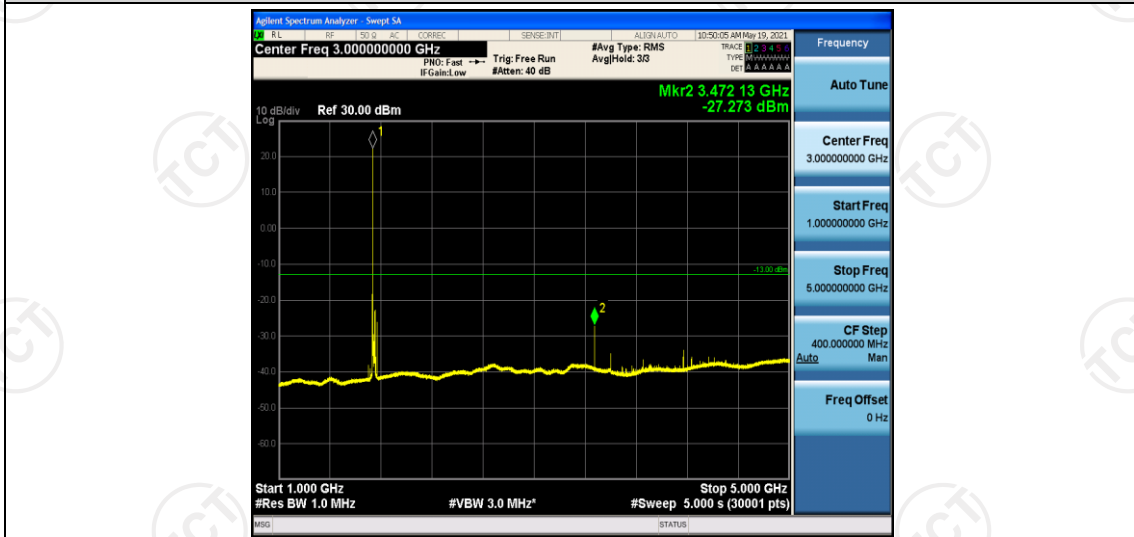
Band66-20MHz-16QAM-132322-1RB#0-Range2:0.15~30MHz



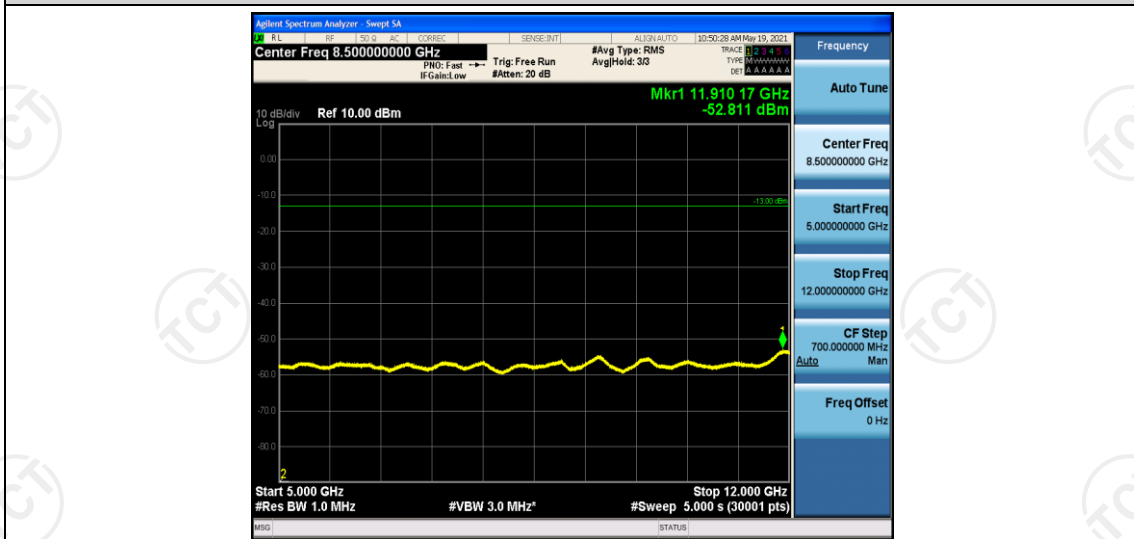
Band66-20MHz-16QAM-132322-1RB#0-Range3:30~1000MHz



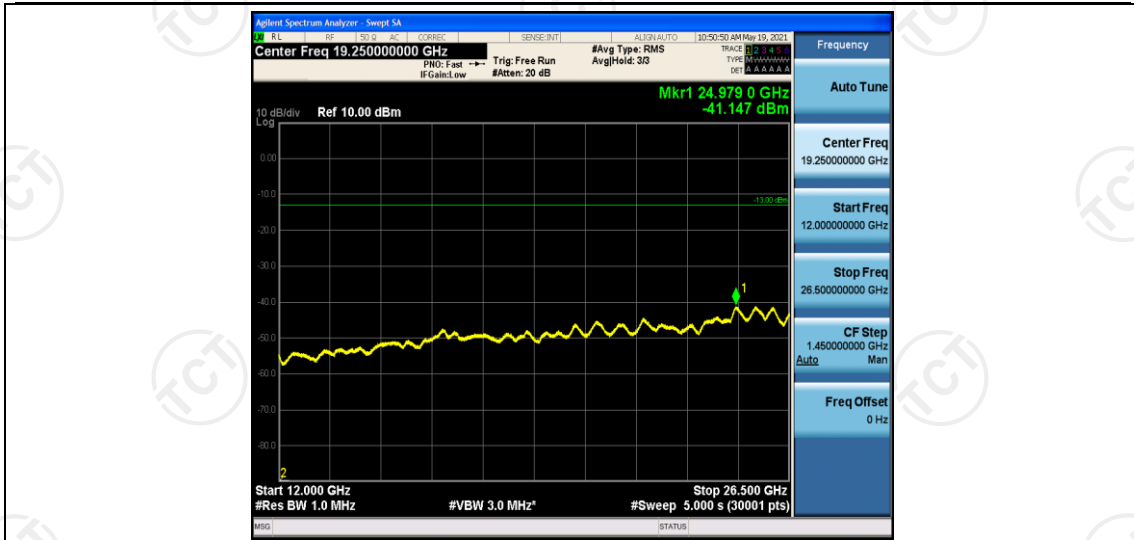
Band66-20MHz-16QAM-132322-1RB#0-Range4:1000~5000MHz



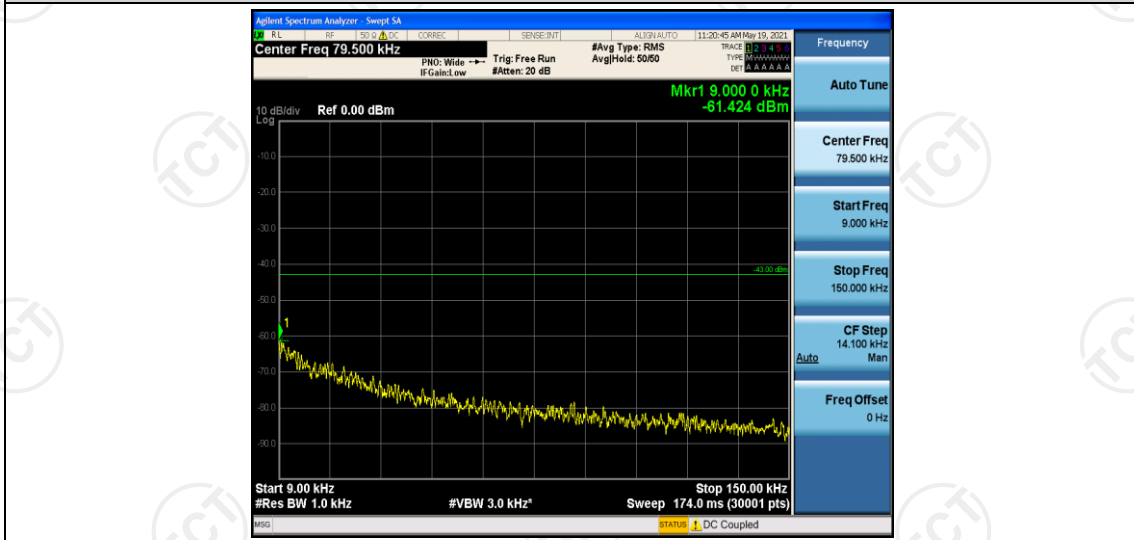
Band66-20MHz-16QAM-132322-1RB#0-Range5:5000~12000MHz



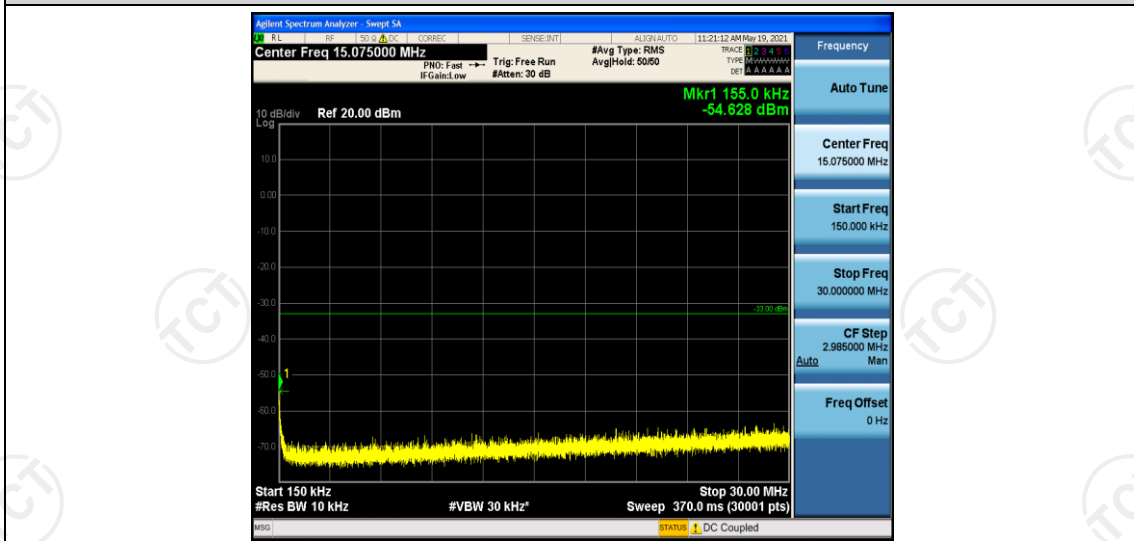
Band66-20MHz-16QAM-132322-1RB#0-Range6:12000~26500MHz



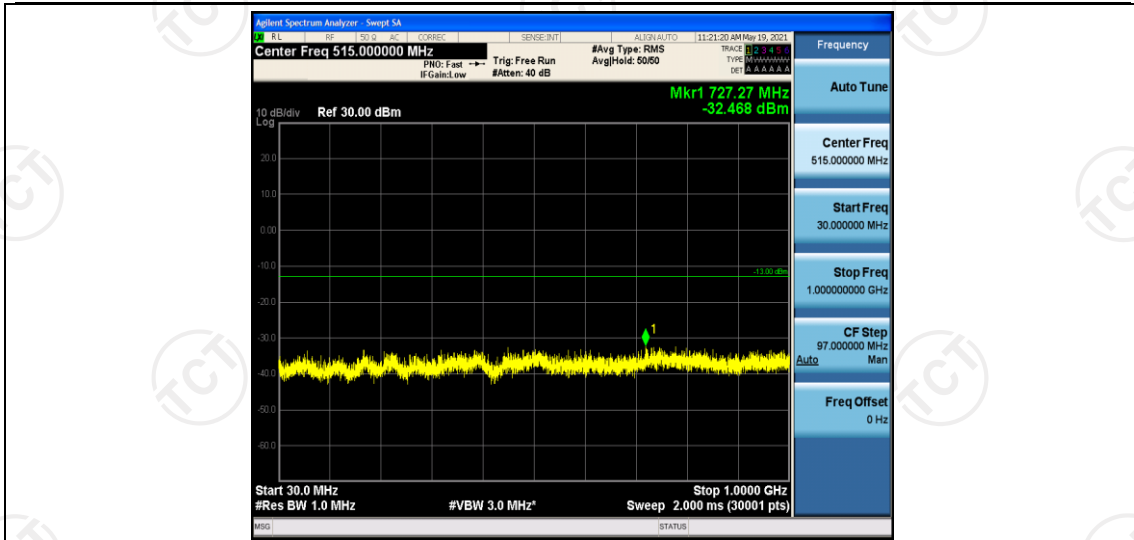
Band66-20MHz-16QAM-132572-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-16QAM-132572-1RB#0-Range2:0.15~30MHz



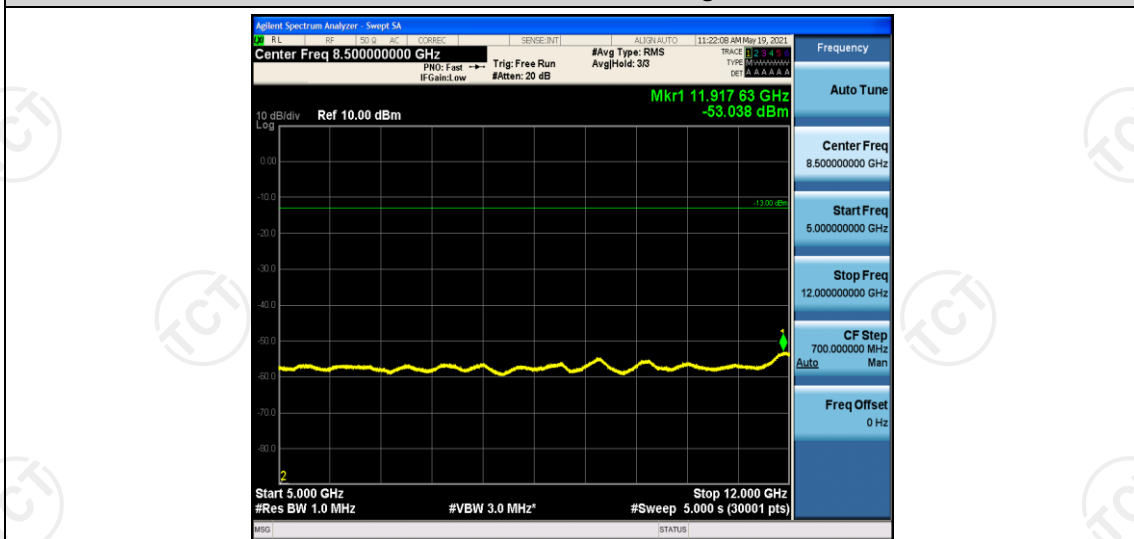
Band66-20MHz-16QAM-132572-1RB#0-Range3:30~1000MHz



Band66-20MHz-16QAM-132572-1RB#0-Range4:1000~5000MHz



Band66-20MHz-16QAM-132572-1RB#0-Range5:5000~12000MHz



Band66-20MHz-16QAM-132572-1RB#0-Range6:12000~26500MHz



Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-5.34	-0.003118	± 2.5	PASS
		VN	TN	1.32	0.000769	± 2.5	PASS
		VH	TN	-12.07	-0.006919	± 2.5	PASS
	MCH	VL	TN	-6.71	-0.003772	± 2.5	PASS
		VN	TN	-3.83	-0.002197	± 2.5	PASS
		VH	TN	3.52	0.002056	± 2.5	PASS
	HCH	VL	TN	2.30	0.001320	± 2.5	PASS
		VN	TN	-10.99	-0.006175	± 2.5	PASS
		VH	TN	-3.89	-0.002273	± 2.5	PASS
16QAM	LCH	VL	TN	-3.33	-0.001947	± 2.5	PASS
		VN	TN	0.17	0.000100	± 2.5	PASS
		VH	TN	-4.76	-0.002783	± 2.5	PASS
	MCH	VL	TN	-2.15	-0.001254	± 2.5	PASS
		VN	TN	-1.72	-0.000984	± 2.5	PASS
		VH	TN	-0.17	-0.000098	± 2.5	PASS
	HCH	VL	TN	-3.25	-0.001861	± 2.5	PASS
		VN	TN	0.16	0.000088	± 2.5	PASS
		VH	TN	-5.29	-0.002976	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.93	-0.000533	± 2.5	PASS
		VN	-20	-2.95	-0.001689	± 2.5	PASS
		VN	-10	-2.09	-0.001174	± 2.5	PASS
		VN	0	-6.98	-0.003925	± 2.5	PASS
		VN	10	1.47	0.000828	± 2.5	PASS
		VN	20	-2.65	-0.001547	± 2.5	PASS
		VN	30	-1.40	-0.000819	± 2.5	PASS
		VN	40	-2.42	-0.001413	± 2.5	PASS
		VN	50	-2.99	-0.001748	± 2.5	PASS
	MCH	VN	-30	0.60	0.000351	± 2.5	PASS
		VN	-20	-4.92	-0.002875	± 2.5	PASS
		VN	-10	-2.00	-0.001170	± 2.5	PASS
		VN	0	-1.10	-0.000644	± 2.5	PASS
		VN	10	-1.92	-0.001099	± 2.5	PASS
		VN	20	-6.32	-0.003623	± 2.5	PASS

		VN	30	-2.30	-0.001320	± 2.5	PASS
		VN	40	-5.68	-0.003255	± 2.5	PASS
		VN	50	-0.47	-0.000271	± 2.5	PASS
	HCH	VN	-30	-7.60	-0.004353	± 2.5	PASS
		VN	-20	-2.23	-0.001255	± 2.5	PASS
		VN	-10	-6.61	-0.003716	± 2.5	PASS
		VN	0	0.36	0.000201	± 2.5	PASS
		VN	10	-1.46	-0.000820	± 2.5	PASS
		VN	20	-4.68	-0.002629	± 2.5	PASS
		VN	30	-6.72	-0.003779	± 2.5	PASS
		VN	40	-6.54	-0.003674	± 2.5	PASS
		VN	50	-4.73	-0.002661	± 2.5	PASS
		16QAM	LCH	VN	-30	-6.65	-0.003884
VN	-20			-7.98	-0.004574	± 2.5	PASS
VN	-10			-4.36	-0.002500	± 2.5	PASS
VN	0			-4.39	-0.002517	± 2.5	PASS
VN	10			-0.70	-0.000402	± 2.5	PASS
VN	20			-1.73	-0.001012	± 2.5	PASS
VN	30			-2.68	-0.001564	± 2.5	PASS
VN	40			0.49	0.000284	± 2.5	PASS
MCH	VN		50	-5.58	-0.003261	± 2.5	PASS
	VN		-30	-3.02	-0.001698	± 2.5	PASS
	VN		-20	-5.64	-0.003171	± 2.5	PASS
	VN		-10	-2.50	-0.001408	± 2.5	PASS
	VN		0	-1.66	-0.000934	± 2.5	PASS
	VN		10	-5.81	-0.003267	± 2.5	PASS
	VN		20	0.76	0.000434	± 2.5	PASS
	VN		30	-2.52	-0.001443	± 2.5	PASS
HCH	VN		40	1.02	0.000582	± 2.5	PASS
	VN		50	-5.71	-0.003271	± 2.5	PASS
	VN		-30	-4.95	-0.002890	± 2.5	PASS
	VN		-20	-1.79	-0.001044	± 2.5	PASS
	VN		-10	-5.61	-0.003275	± 2.5	PASS
	VN		0	-1.93	-0.001128	± 2.5	PASS
	VN		10	-2.09	-0.001175	± 2.5	PASS
	VN		20	-8.47	-0.004760	± 2.5	PASS
	VN		30	-11.01	-0.006191	± 2.5	PASS
	VN		40	-4.41	-0.002476	± 2.5	PASS
	VN		50	-8.31	-0.004671	± 2.5	PASS