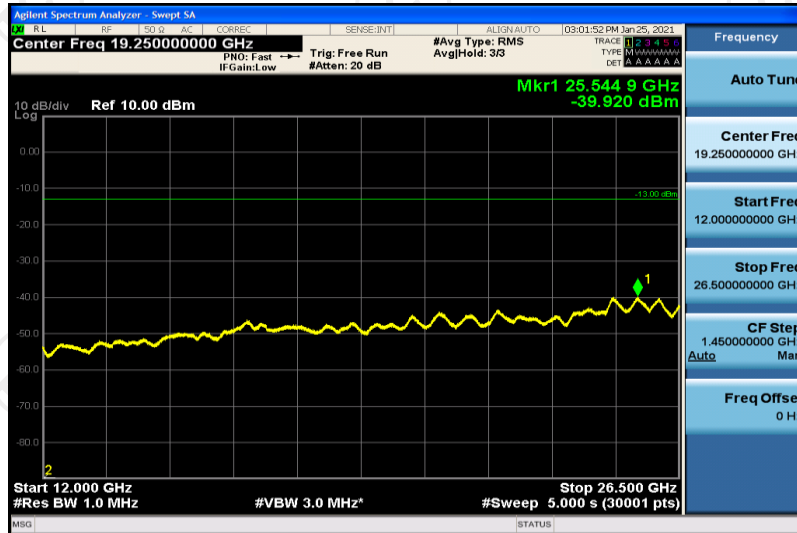
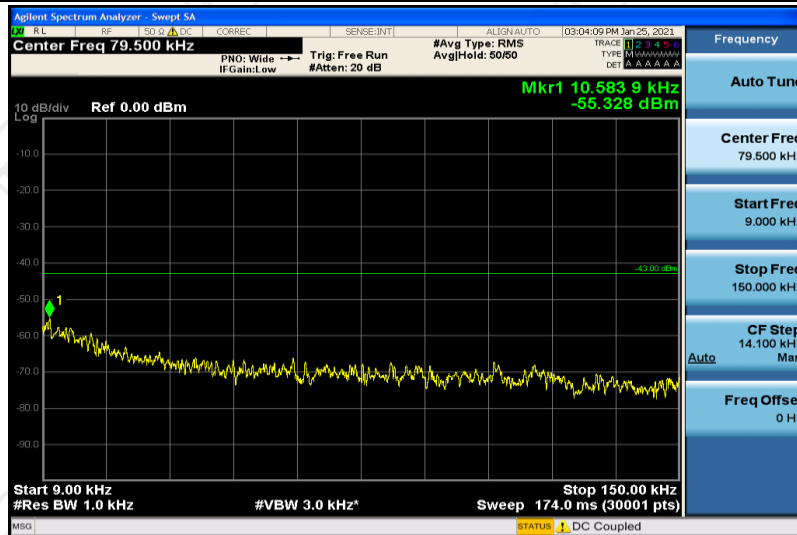
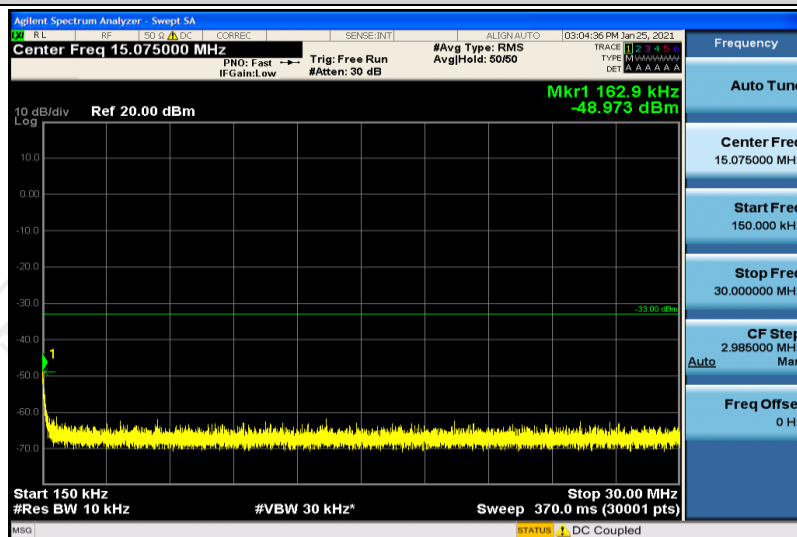




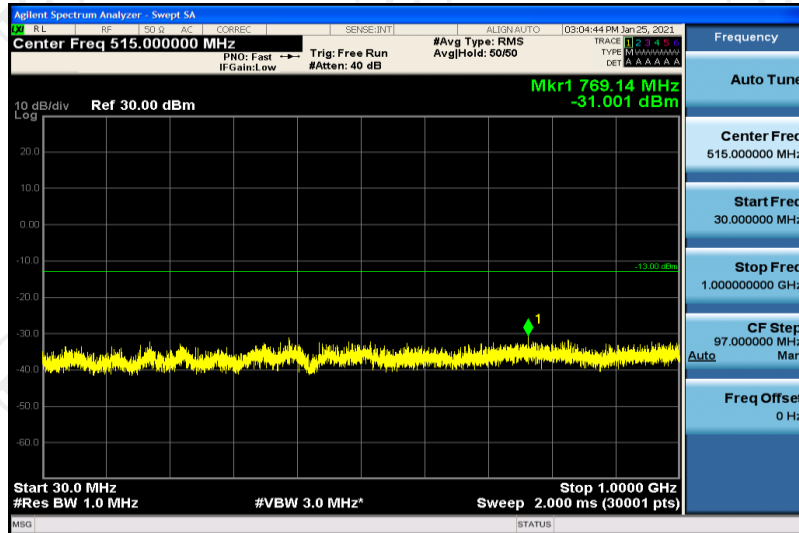
Band66-15MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



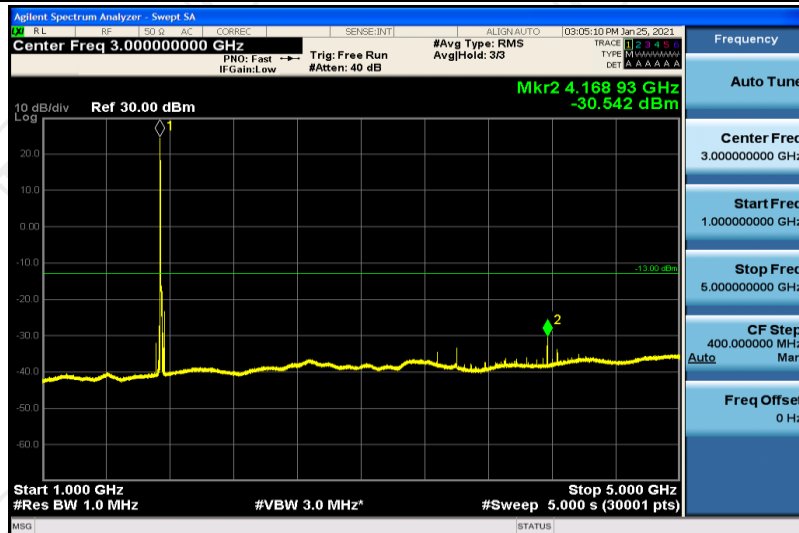
Band66-15MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



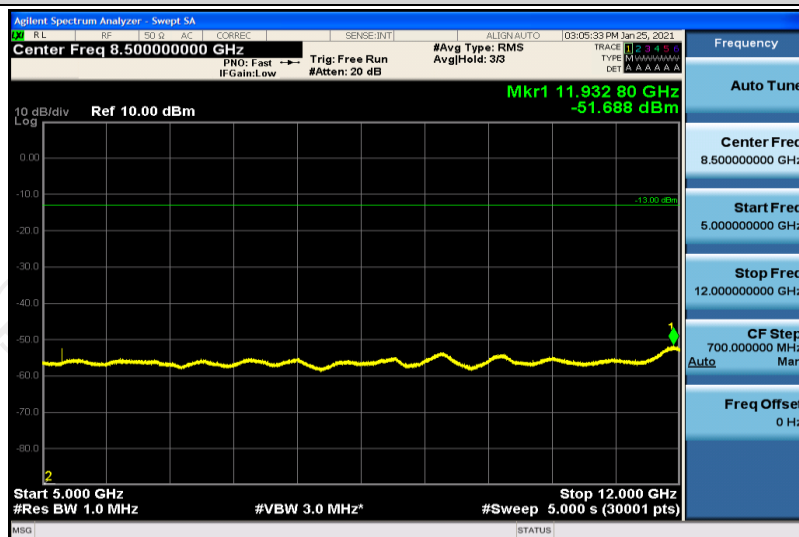
Band66-15MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



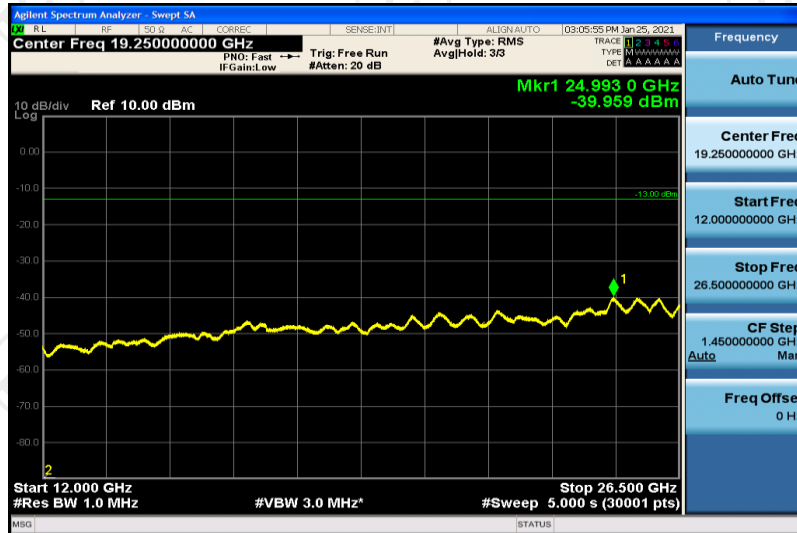
Band66-15MHz-QPSK-132322-1RB#0-Range4:1000~5000MHz



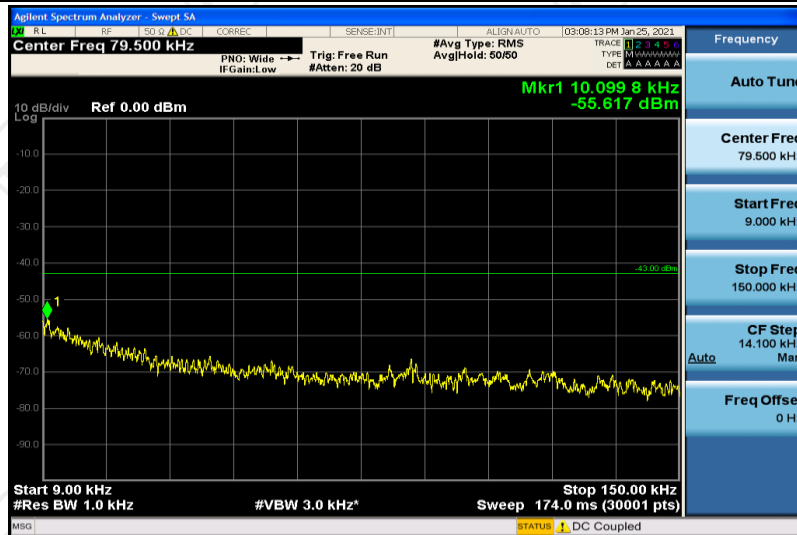
Band66-15MHz-QPSK-132322-1RB#0-Range5:5000~12000MHz



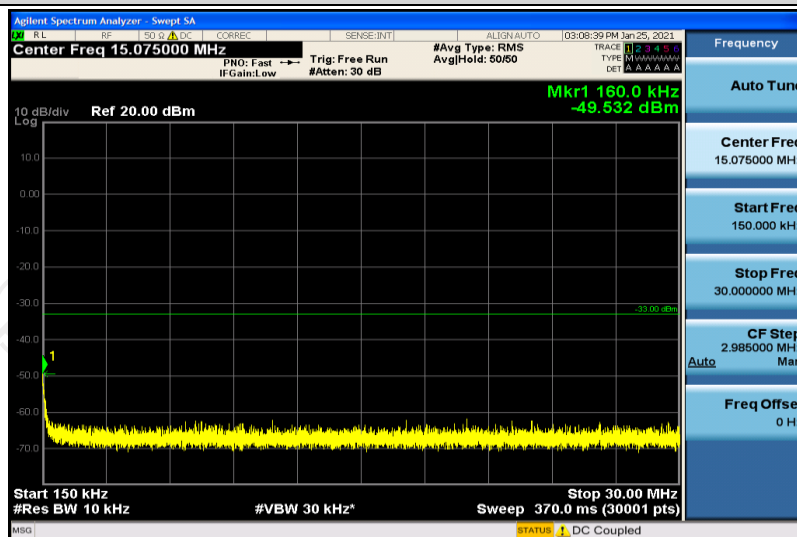
Band66-15MHz-QPSK-132322-1RB#0-Range6:12000~26500MHz



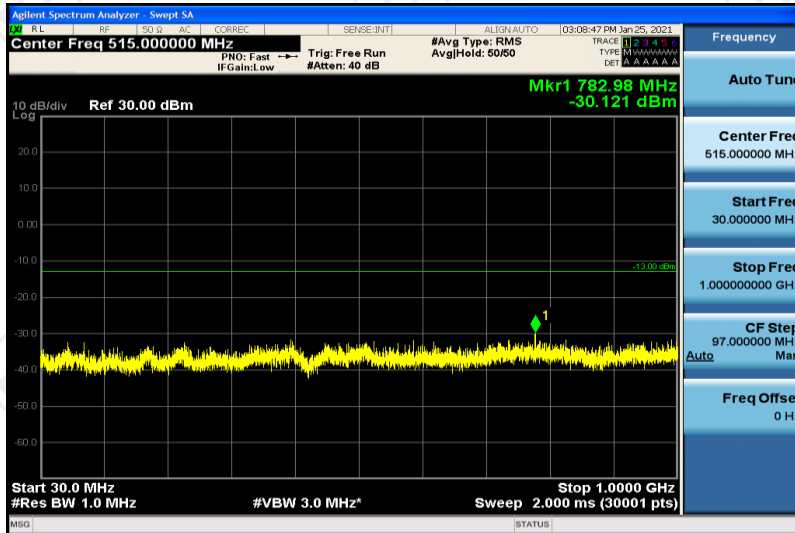
Band66-15MHz-QPSK-132597-1RB#0-Range1:0.009~0.15MHz



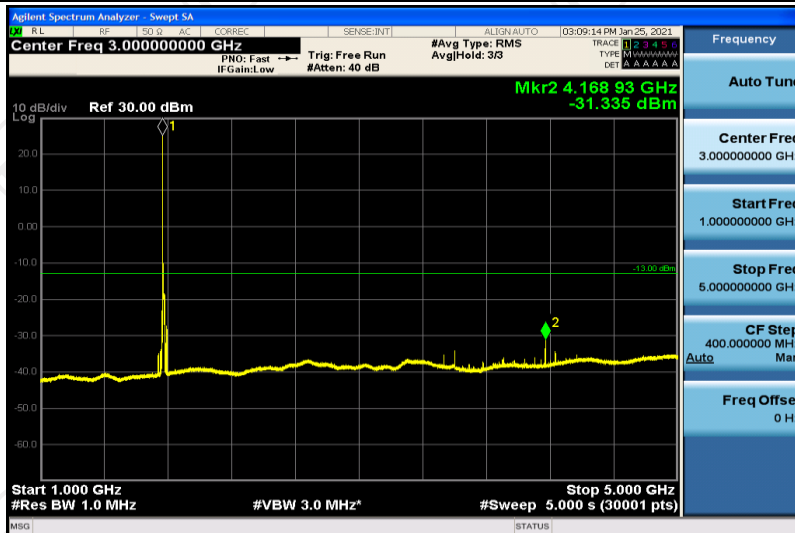
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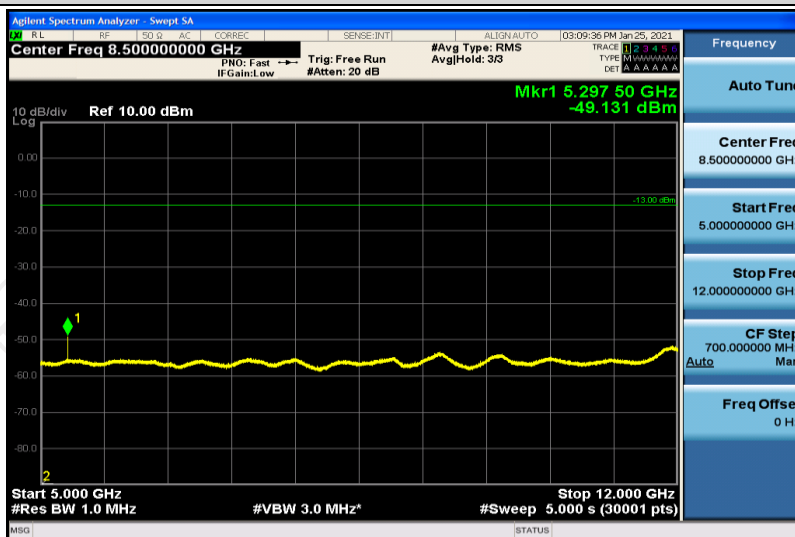
Band66-15MHz-QPSK-132597-1RB#0-Range3:30~1000MHz



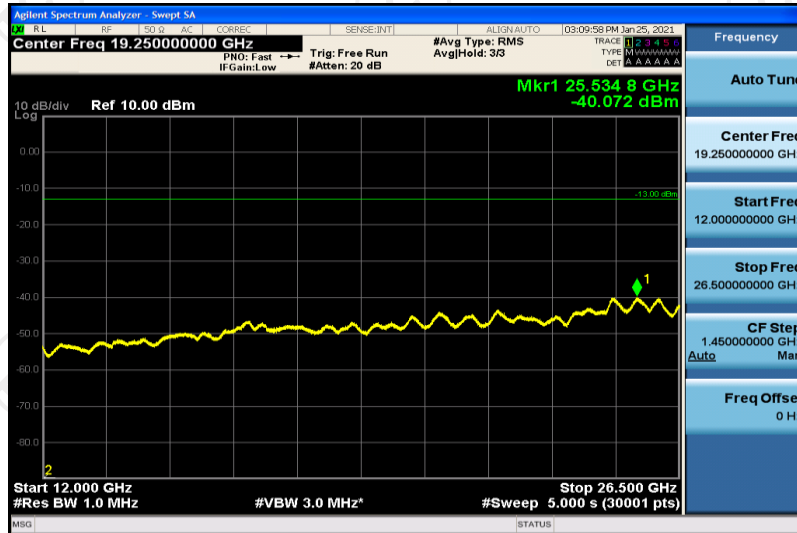
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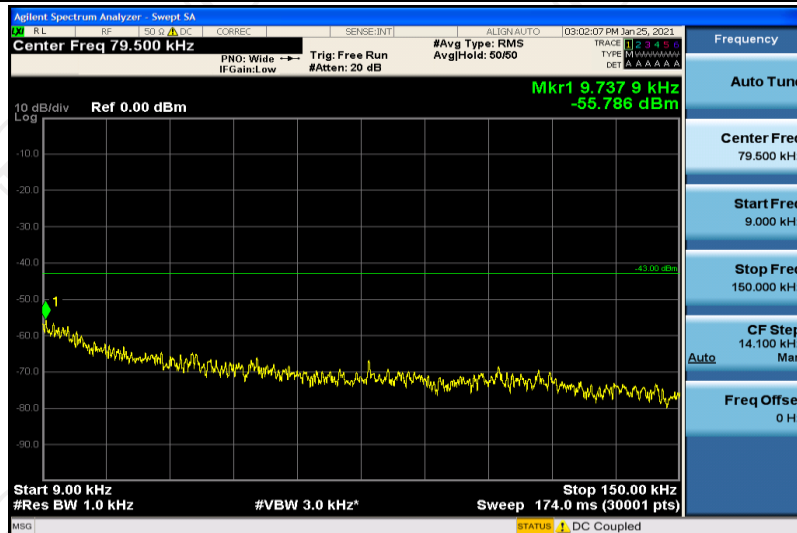
Band66-15MHz-QPSK-132597-1RB#0-Range5:5000~12000MHz



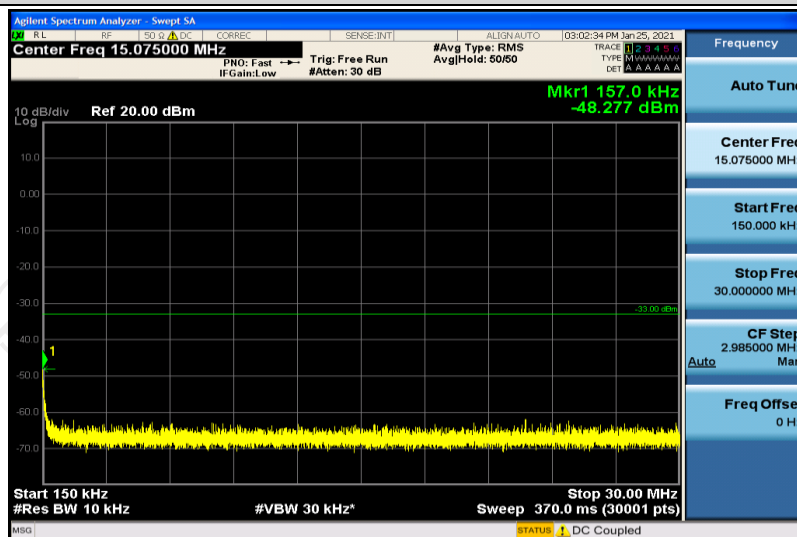
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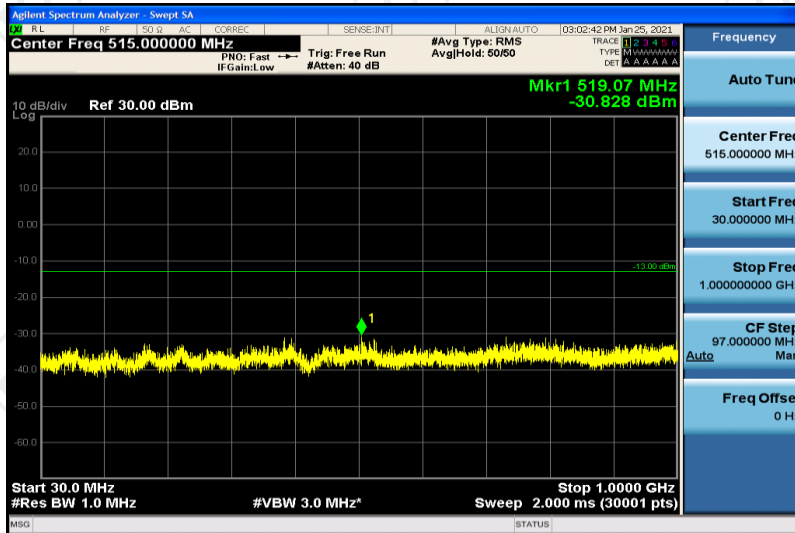
Band66-15MHz-16QAM-132047-1RB#0-Range1:0.009~0.15MHz



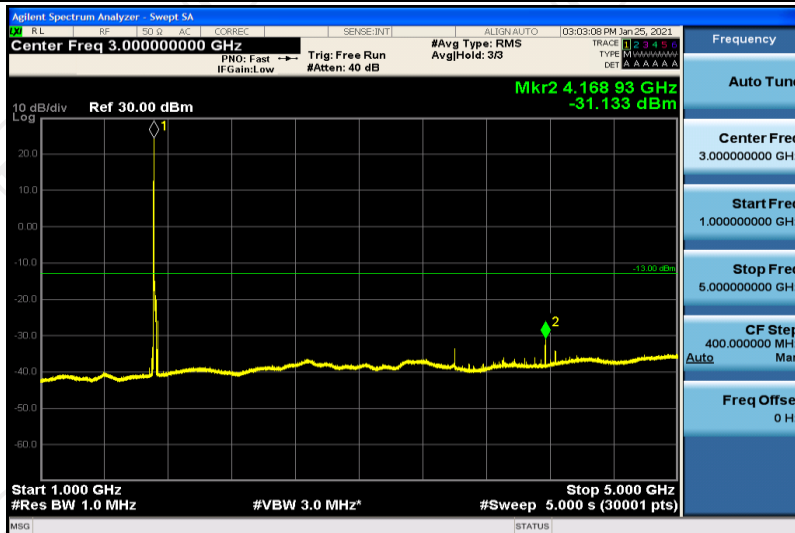
Band66-15MHz-16QAM-132047-1RB#0-Range2:0.15~30MHz



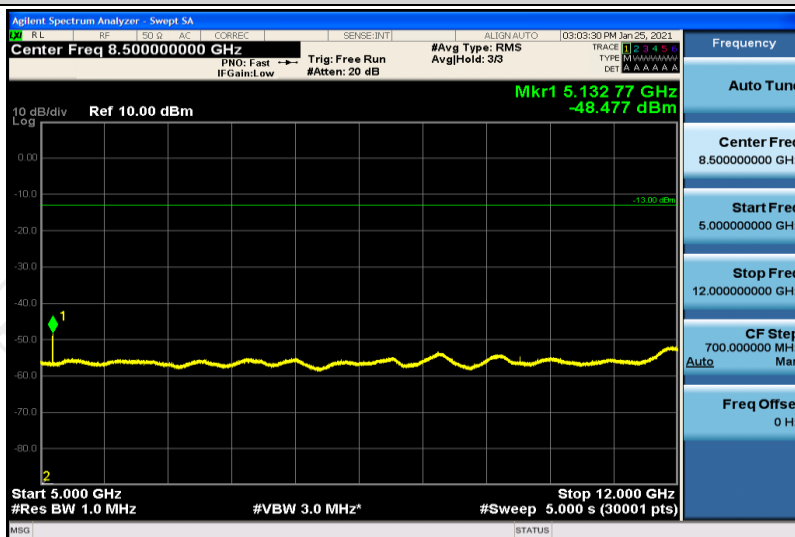
Band66-15MHz-16QAM-132047-1RB#0-Range3:30~1000MHz



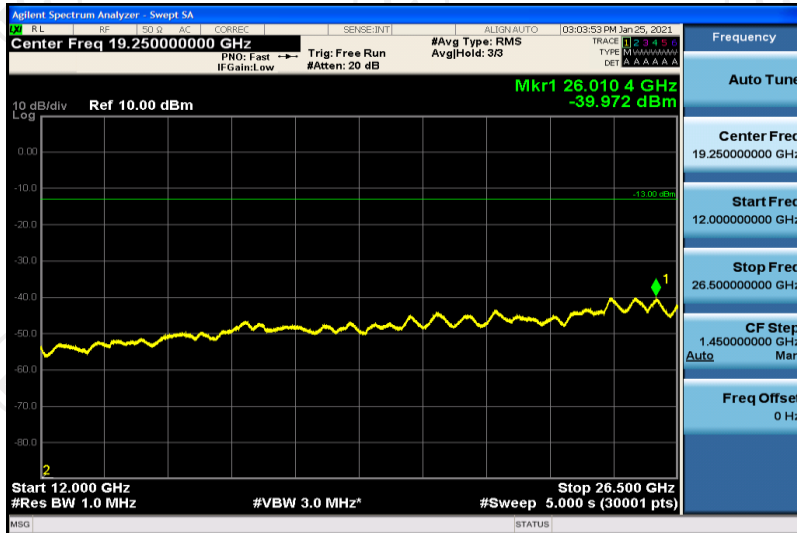
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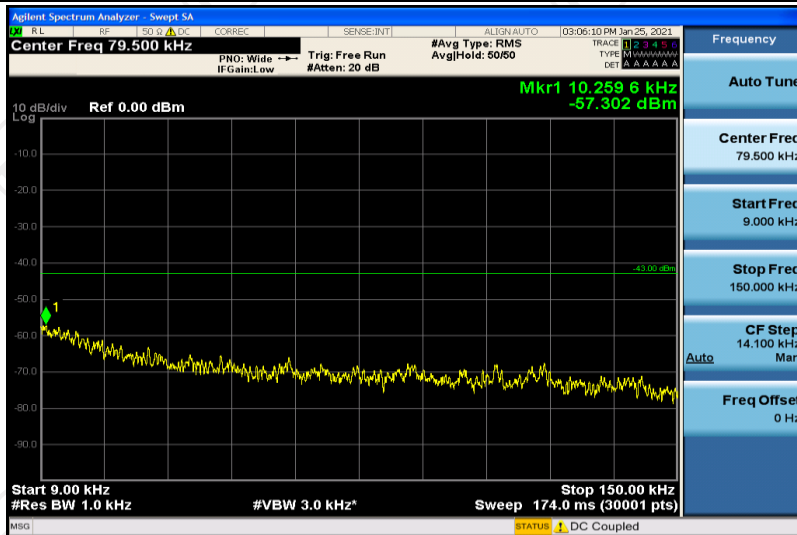
Band66-15MHz-16QAM-132047-1RB#0-Range5:5000~12000MHz



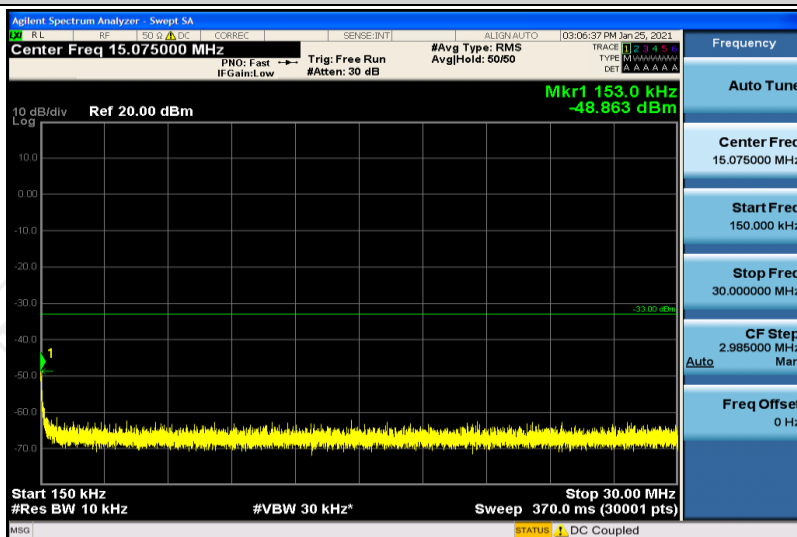
Band66-15MHz-16QAM-132047-1RB#0-Range6:12000~26500MHz



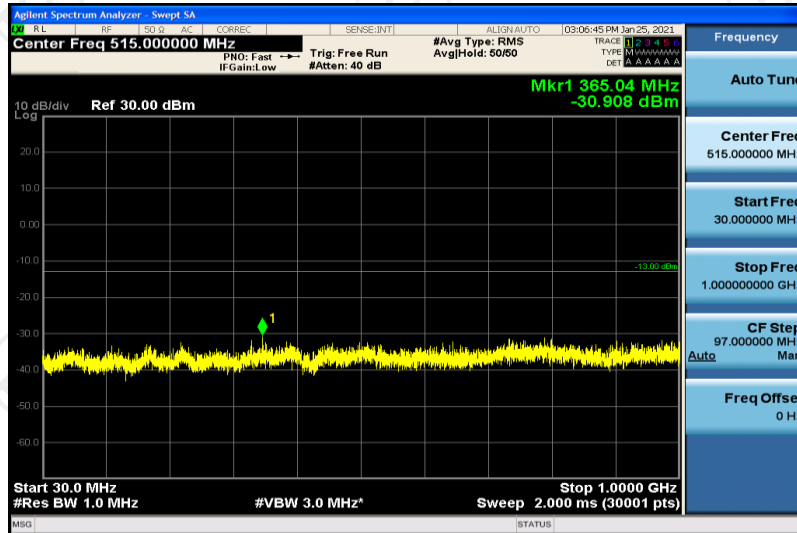
Band66-15MHz-16QAM-132322-1RB#0-Range1:0.009~0.15MHz



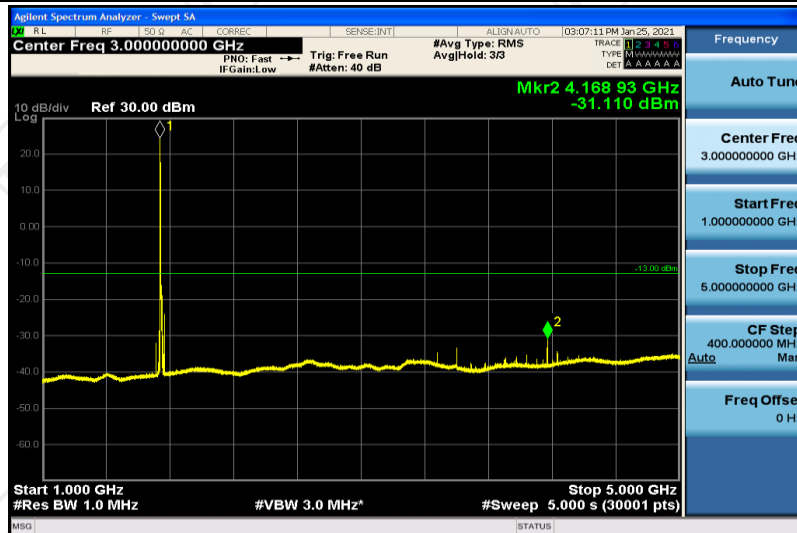
Band66-15MHz-16QAM-132322-1RB#0-Range2:0.15~30MHz



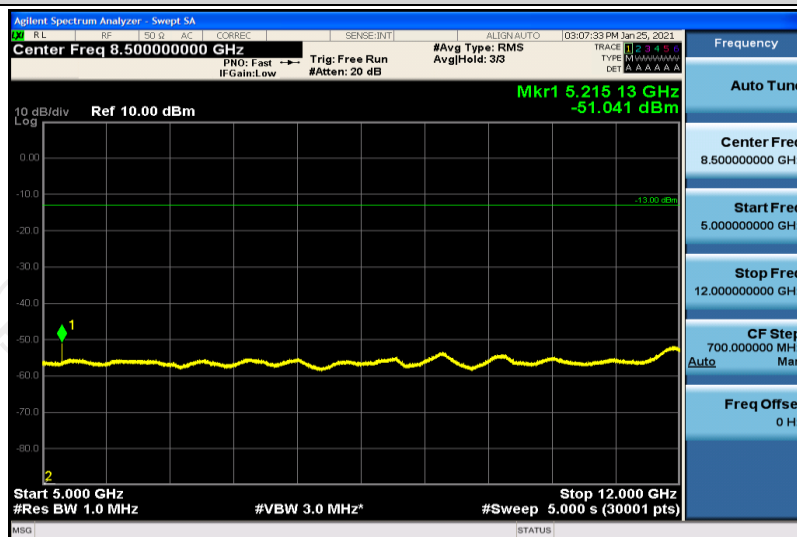
Band66-15MHz-16QAM-132322-1RB#0-Range3:30~1000MHz



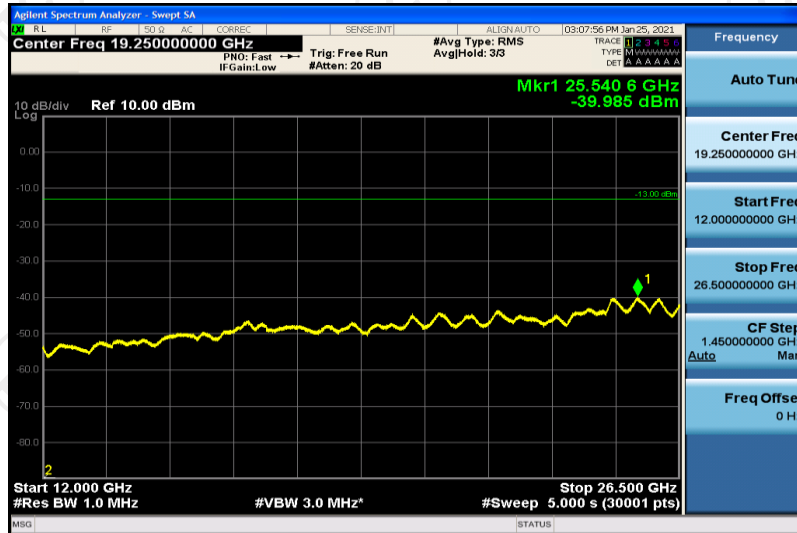
Band66-15MHz-16QAM-132322-1RB#0-Range4:1000~5000MHz



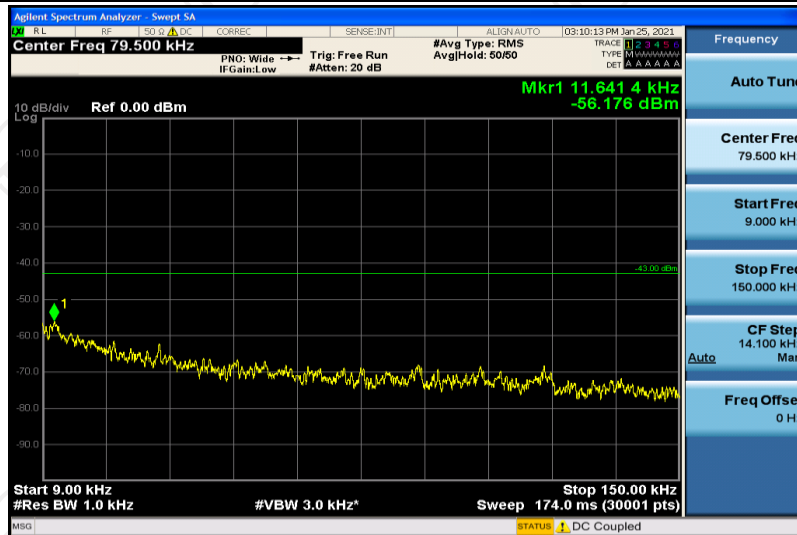
Band66-15MHz-16QAM-132322-1RB#0-Range5:5000~12000MHz



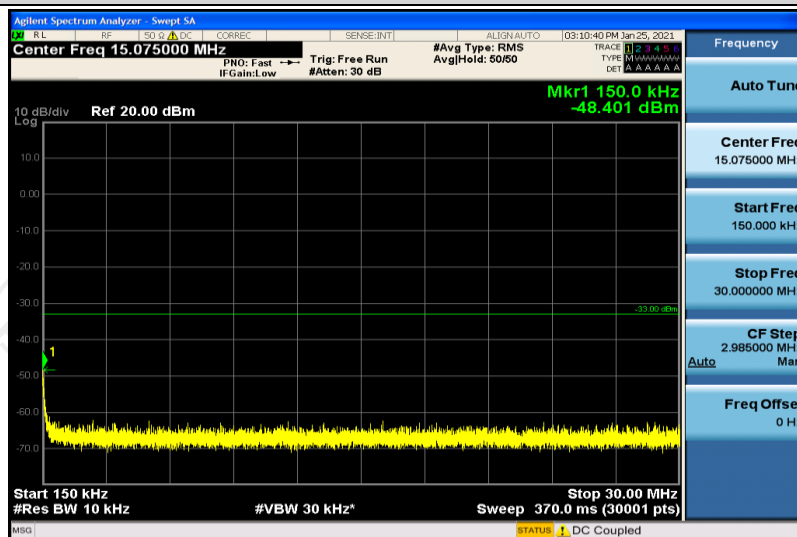
Band66-15MHz-16QAM-132322-1RB#0-Range6:12000~26500MHz



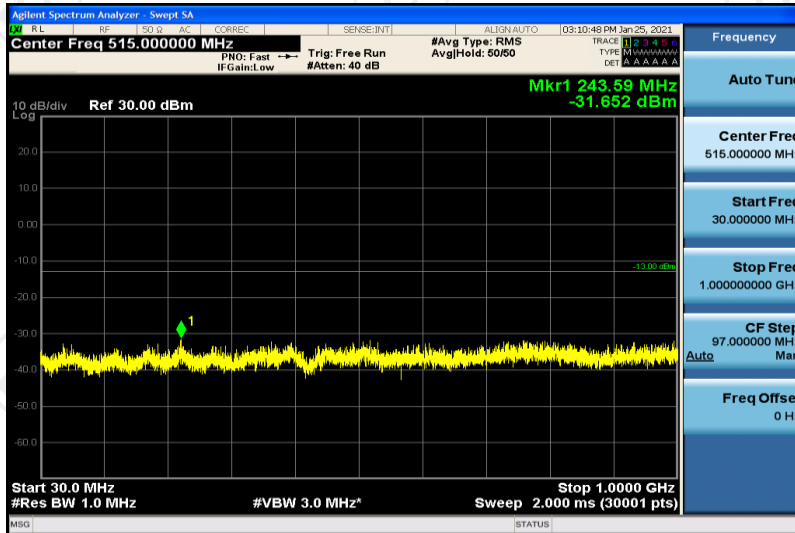
Band66-15MHz-16QAM-132597-1RB#0-Range1:0.009~0.15MHz



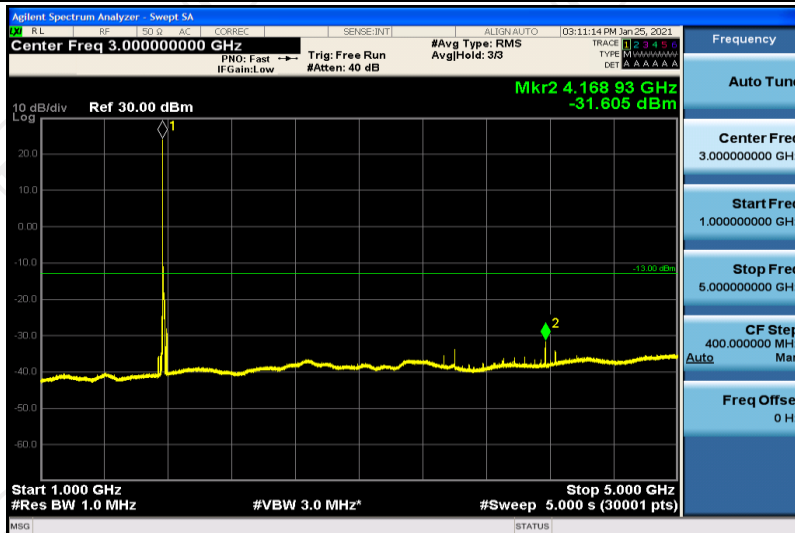
Band66-15MHz-16QAM-132597-1RB#0-Range2:0.15~30MHz



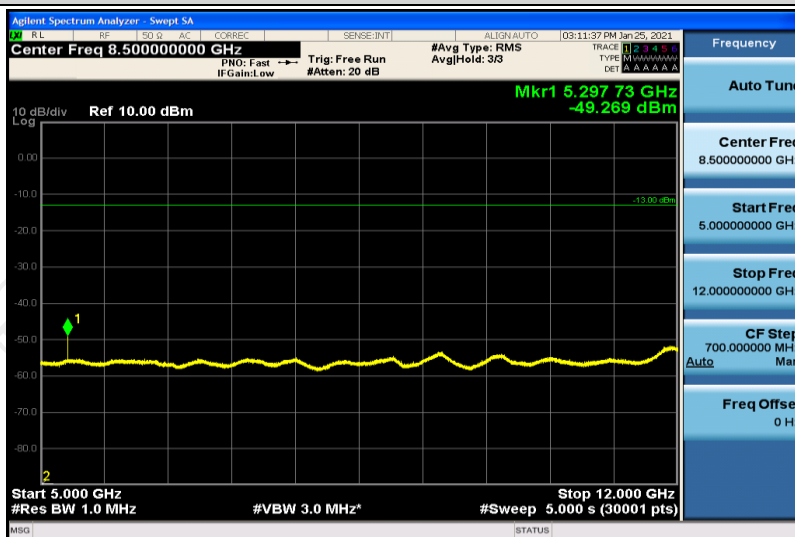
Band66-15MHz-16QAM-132597-1RB#0-Range3:30~1000MHz



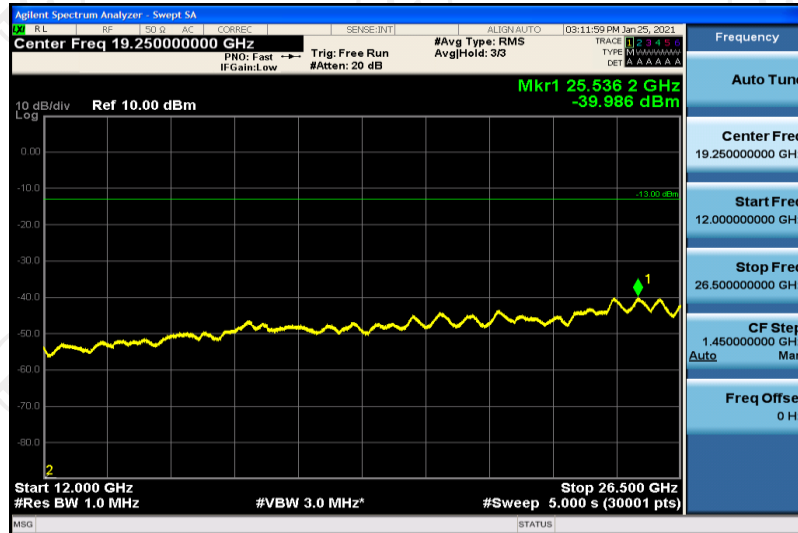
Band66-15MHz-16QAM-132597-1RB#0-Range4:1000~5000MHz



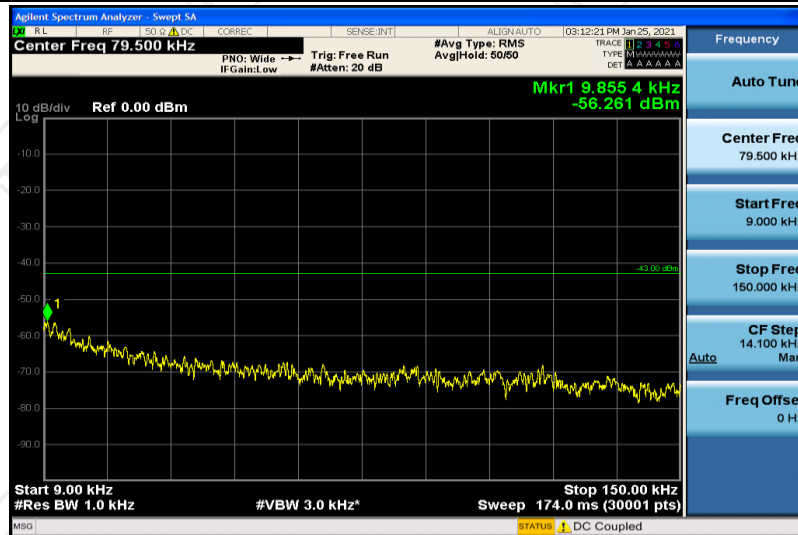
Band66-15MHz-16QAM-132597-1RB#0-Range5:5000~12000MHz



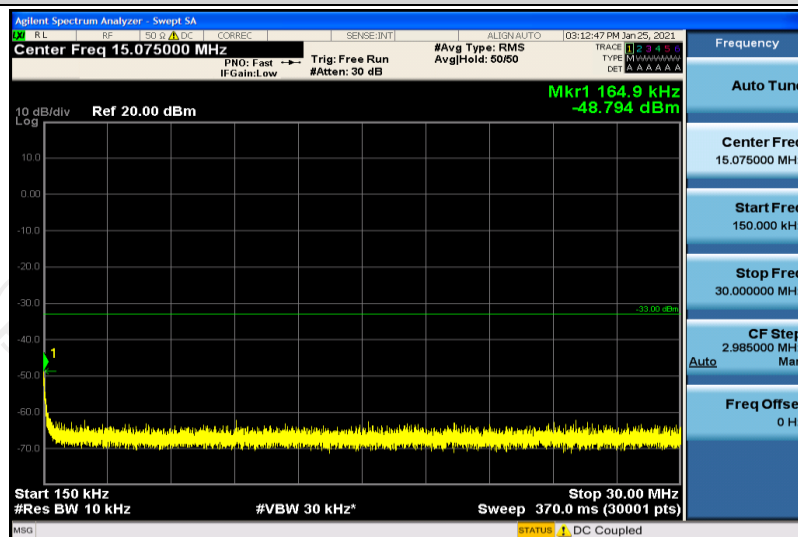
Band66-15MHz-16QAM-132597-1RB#0-Range6:12000~26500MHz



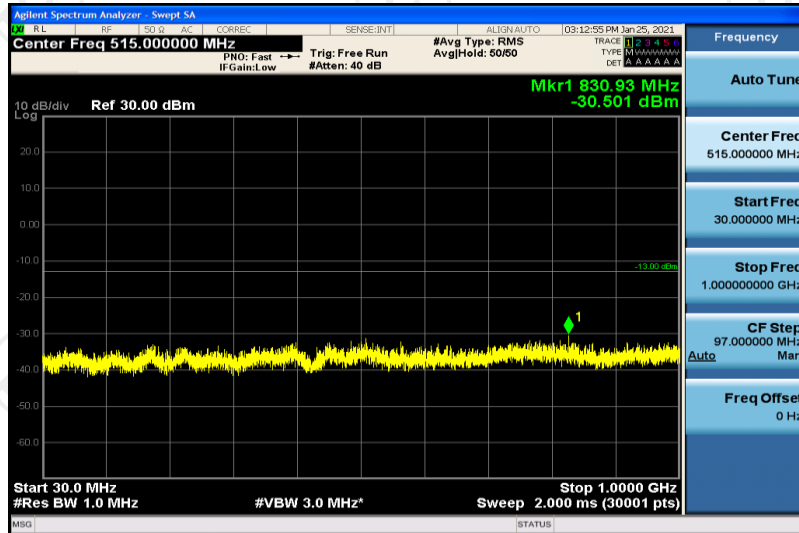
Band66-20MHz-QPSK-132072-1RB#0-Range1:0.009~0.15MHz



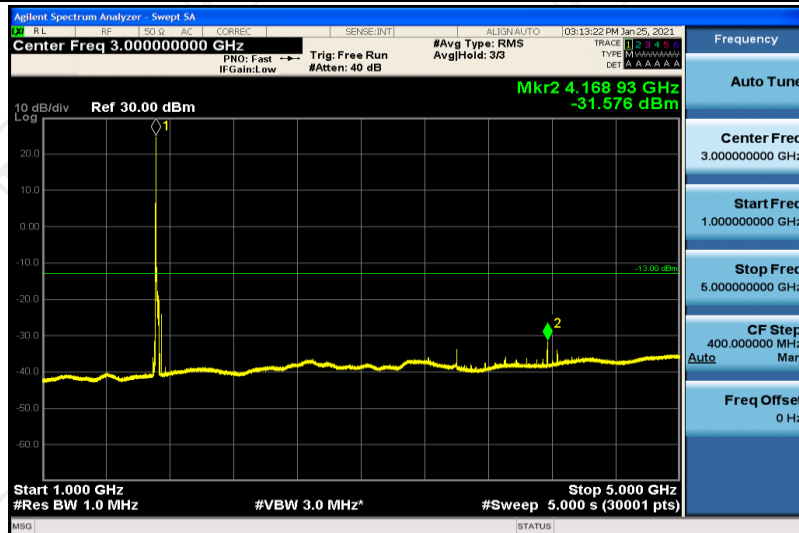
Band66-20MHz-QPSK-132072-1RB#0-Range2:0.15~30MHz



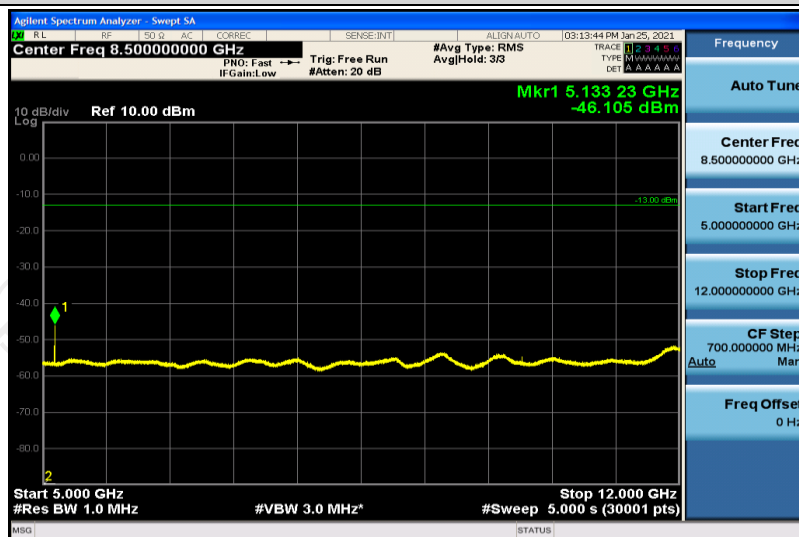
Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



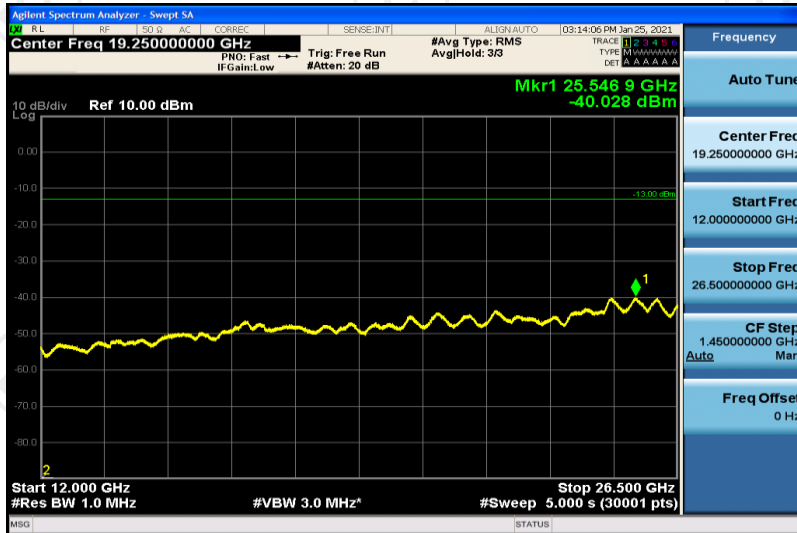
Band66-20MHz-QPSK-132072-1RB#0-Range4:1000~5000MHz



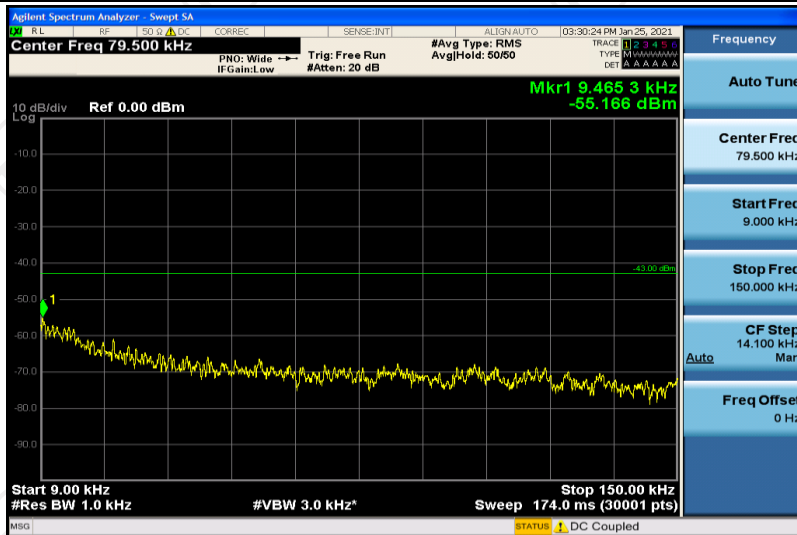
Band66-20MHz-QPSK-132072-1RB#0-Range5:5000~12000MHz



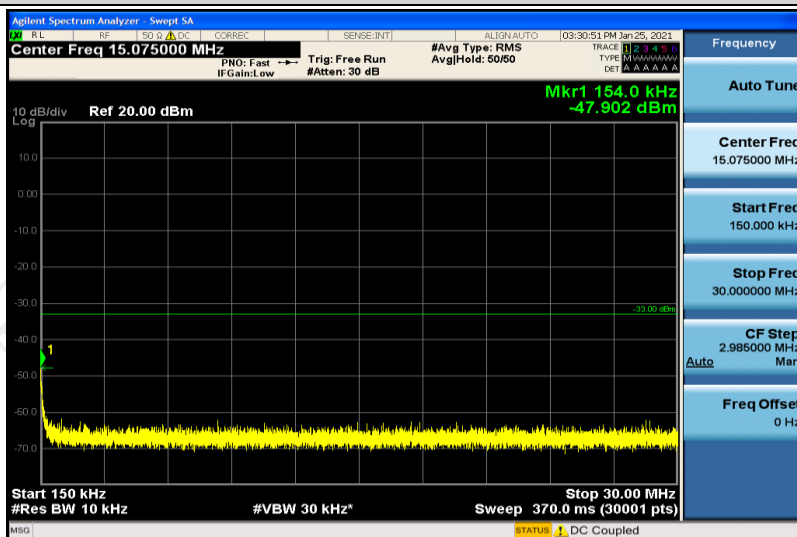
Band66-20MHz-QPSK-132072-1RB#0-Range6:12000~26500MHz



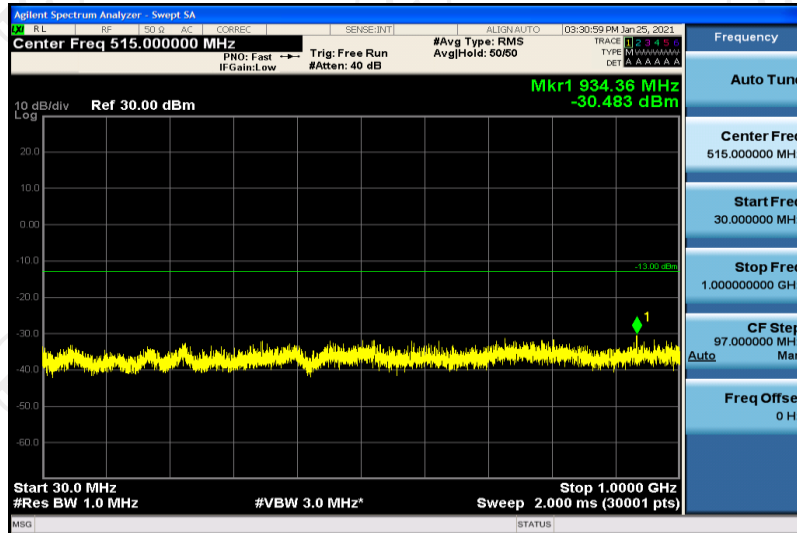
Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



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



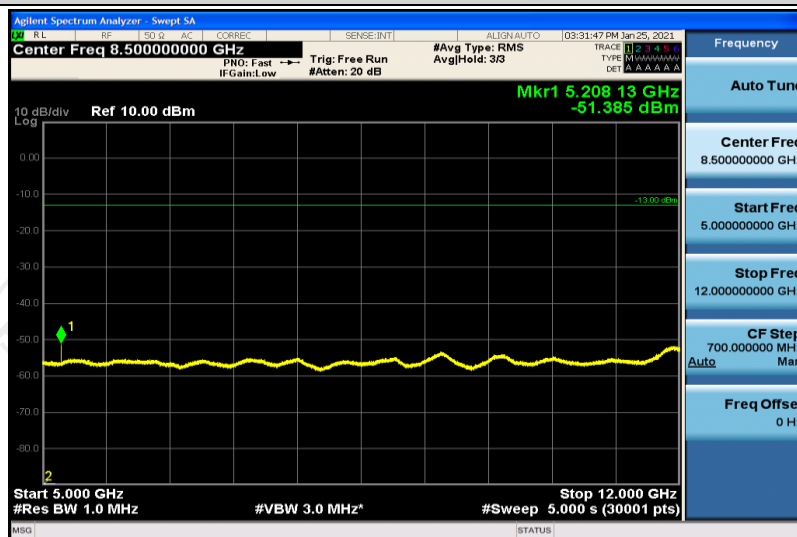
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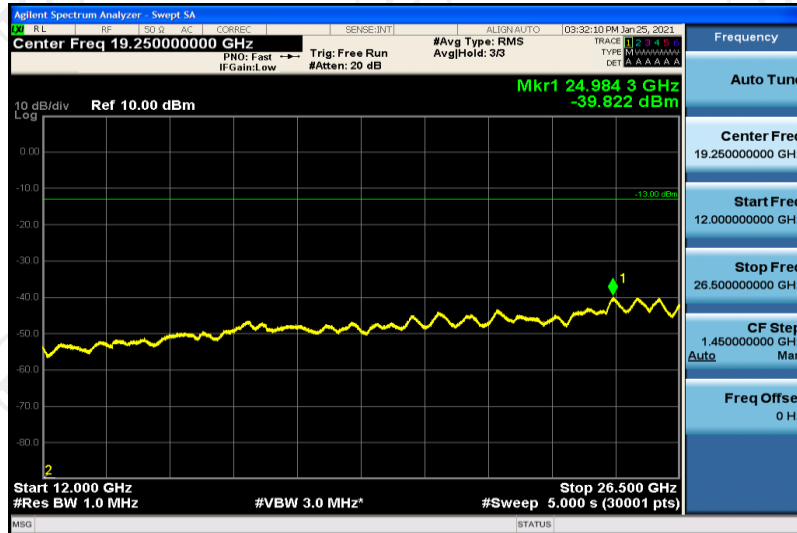
Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~5000MHz



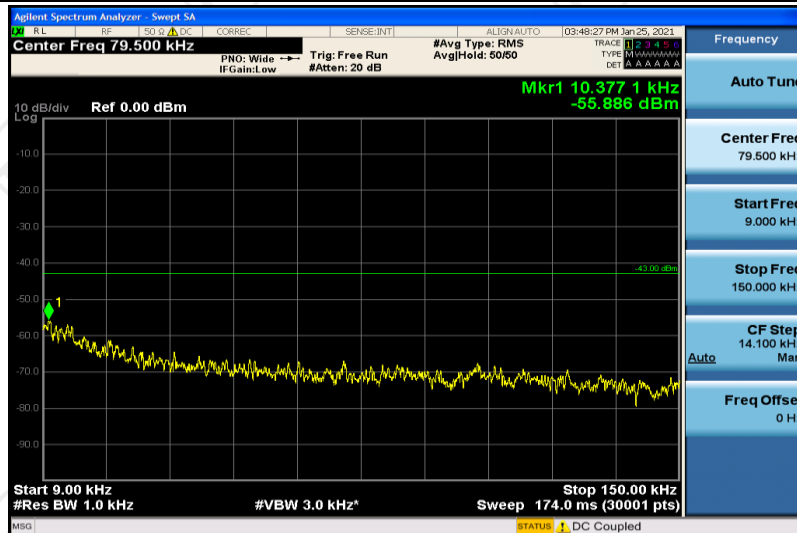
Band66-20MHz-QPSK-132322-1RB#0-Range5:5000~12000MHz



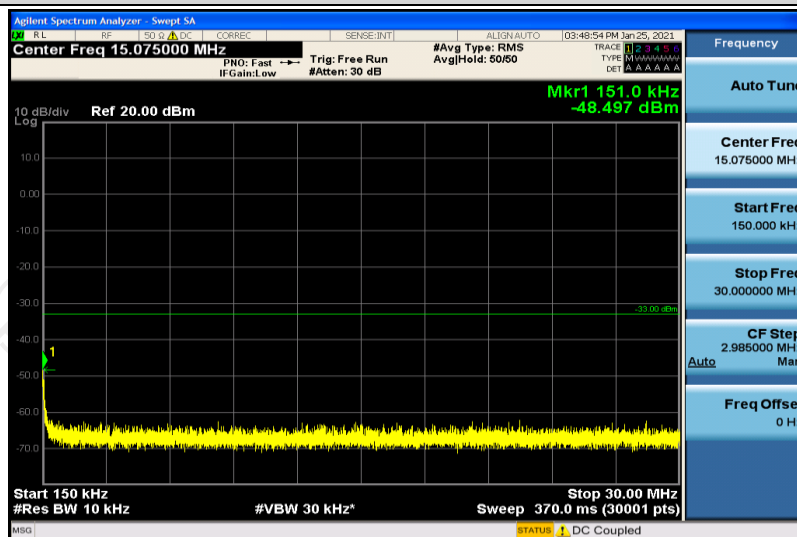
Band66-20MHz-QPSK-132322-1RB#0-Range6:12000~26500MHz



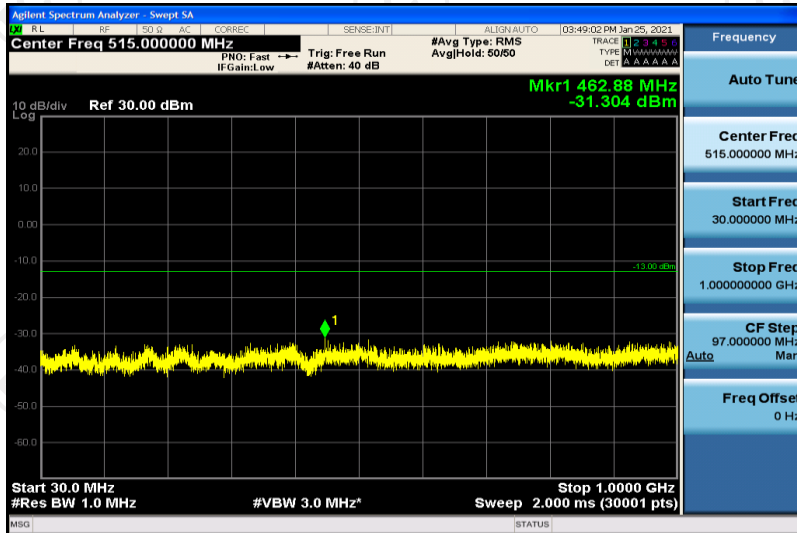
Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



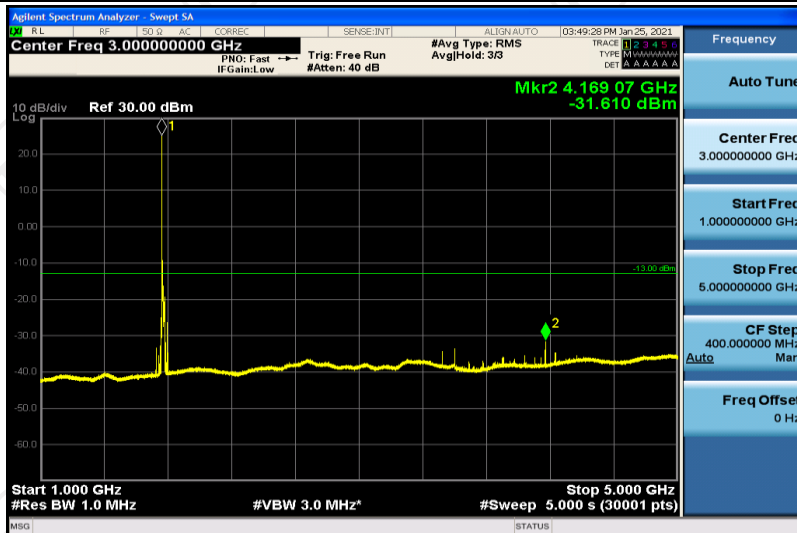
Band66-20MHz-QPSK-132572-1RB#0-Range2:0.15~30MHz



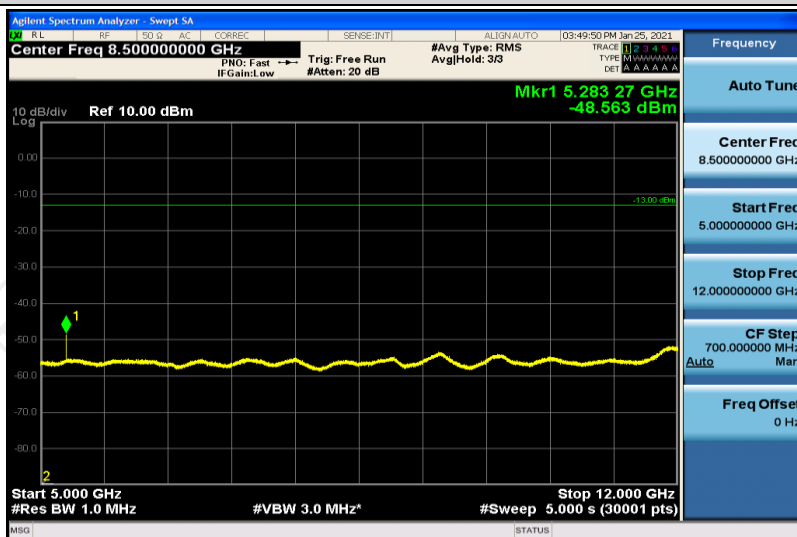
Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



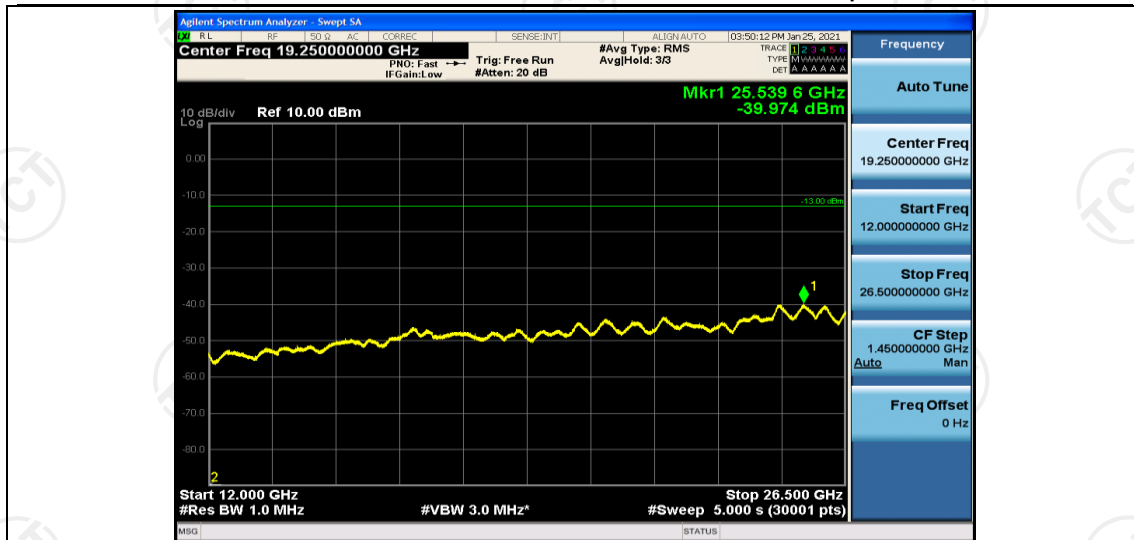
Band66-20MHz-QPSK-132572-1RB#0-Range4:1000~5000MHz



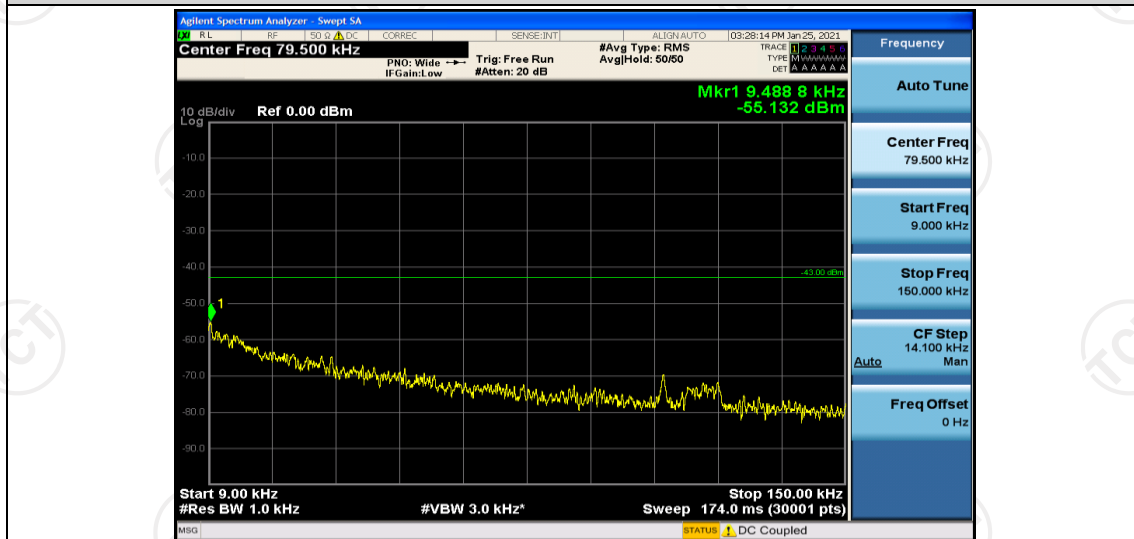
Band66-20MHz-QPSK-132572-1RB#0-Range5:5000~12000MHz



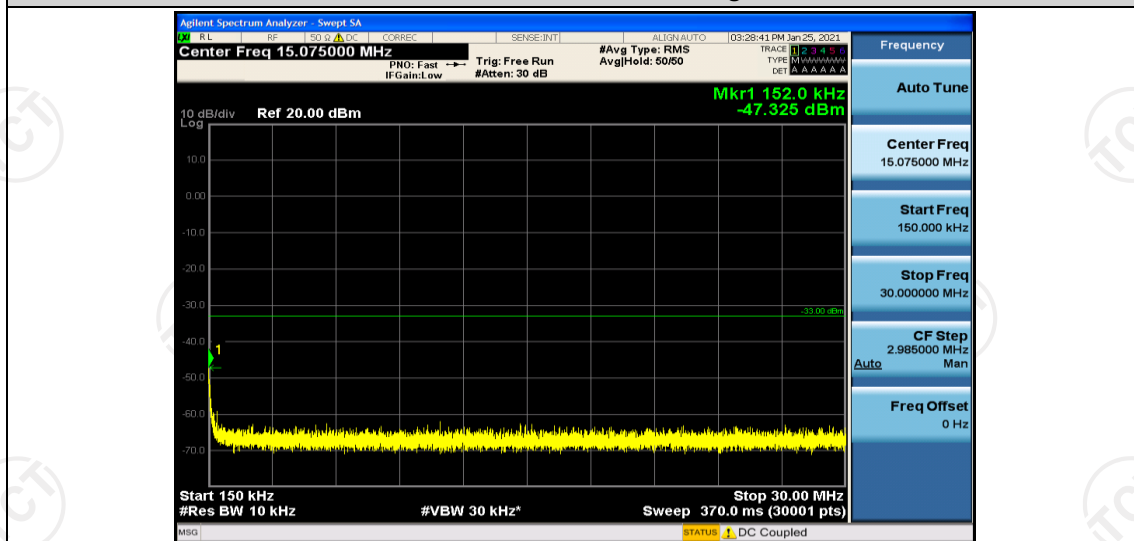
Band66-20MHz-QPSK-132572-1RB#0-Range6:12000~26500MHz



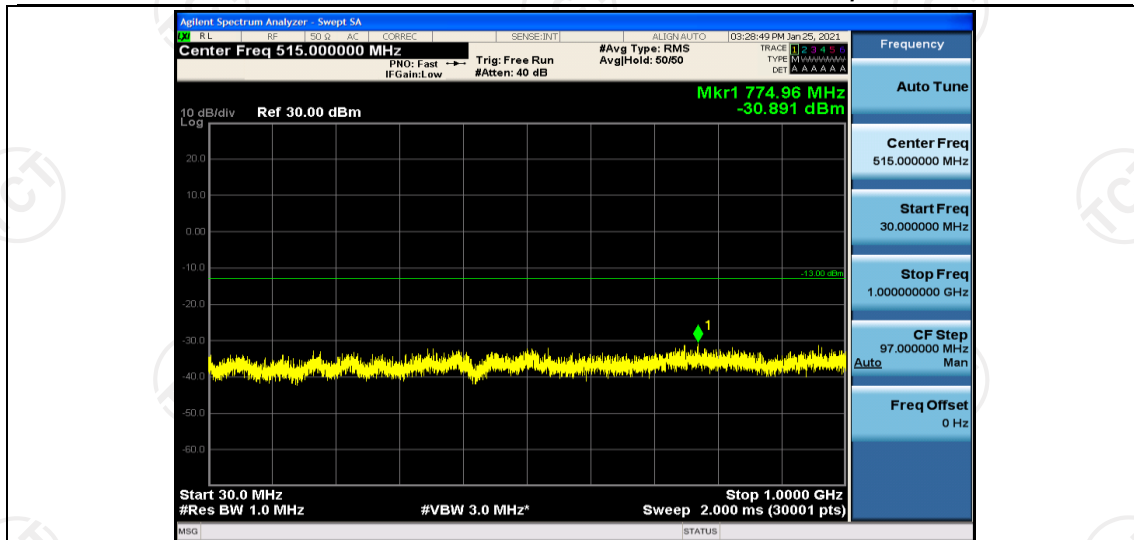
Band66-20MHz-16QAM-132072-1RB#0-Range1:0.009~0.15MHz



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



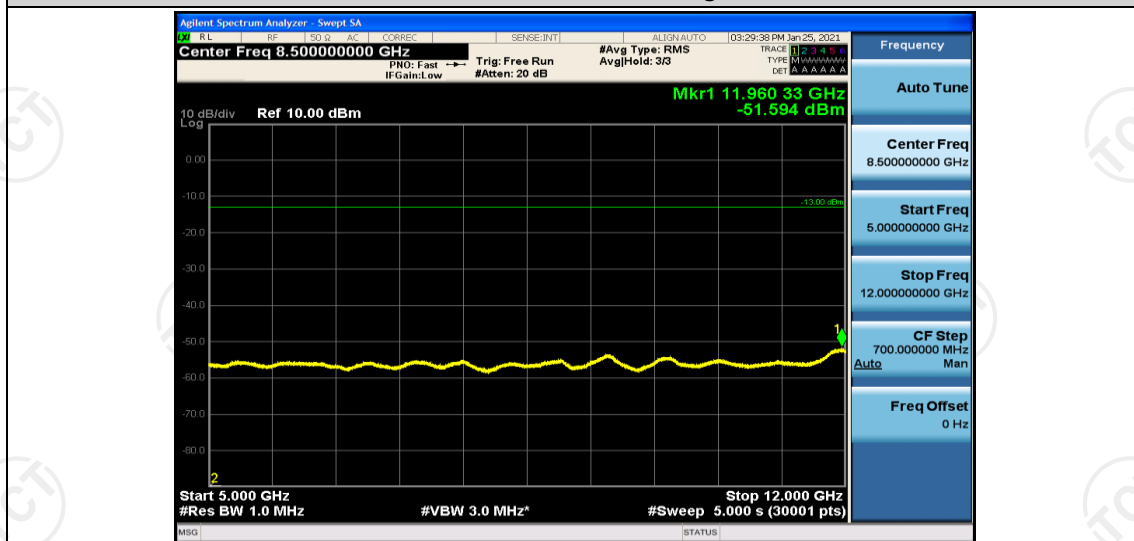
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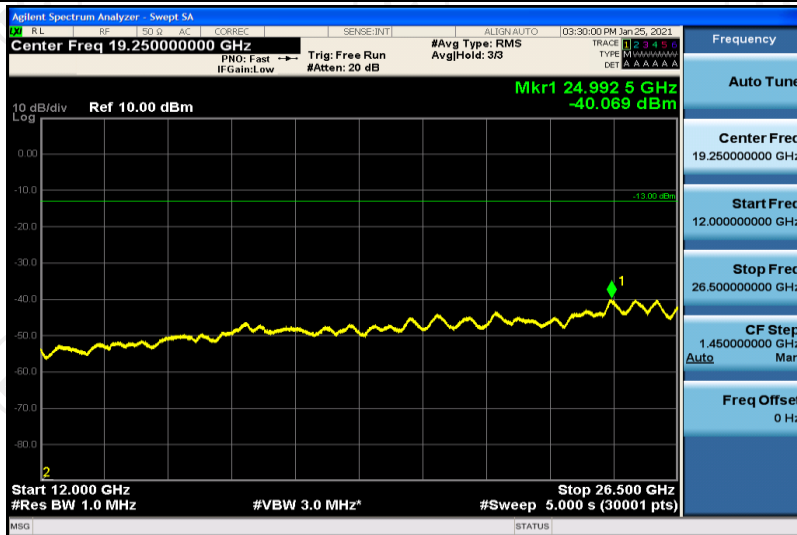
Band66-20MHz-16QAM-132072-1RB#0-Range4:1000~5000MHz



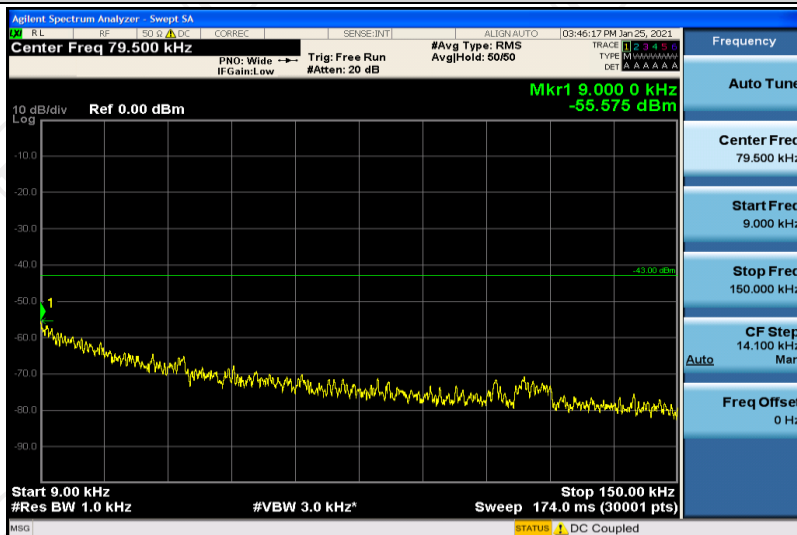
Band66-20MHz-16QAM-132072-1RB#0-Range5:5000~12000MHz



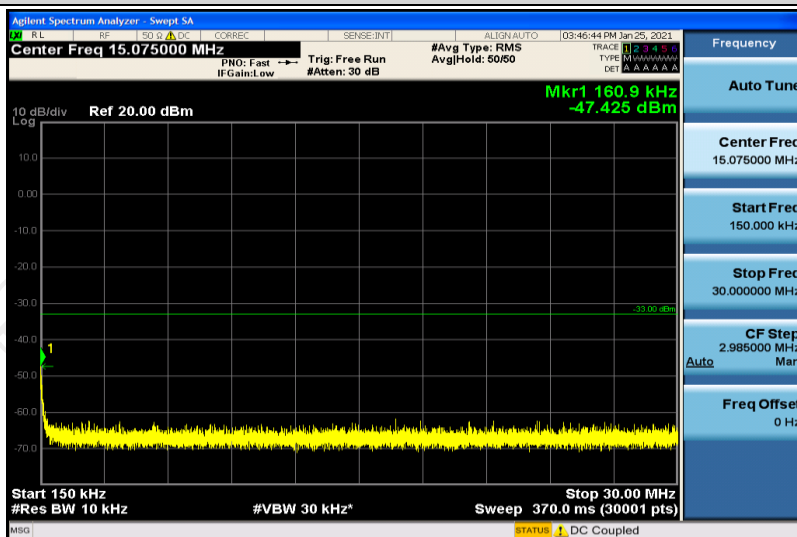
Band66-20MHz-16QAM-132072-1RB#0-Range6:12000~26500MHz



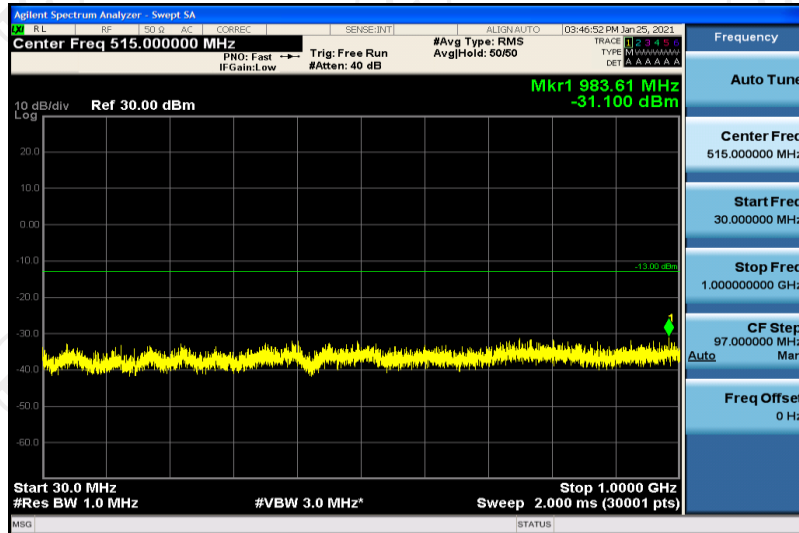
Band66-20MHz-16QAM-132322-1RB#0-Range1:0.009~0.15MHz



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



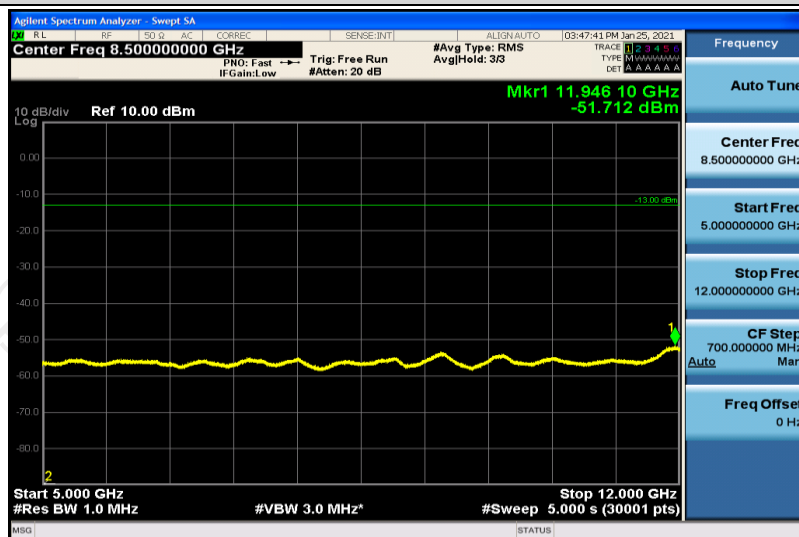
Band66-20MHz-16QAM-132322-1RB#0-Range3:30~1000MHz



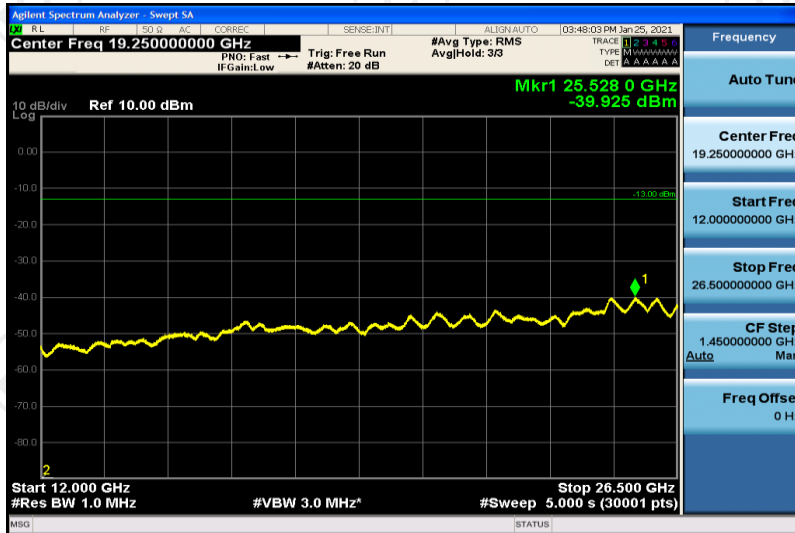
Band66-20MHz-16QAM-132322-1RB#0-Range4:1000~5000MHz



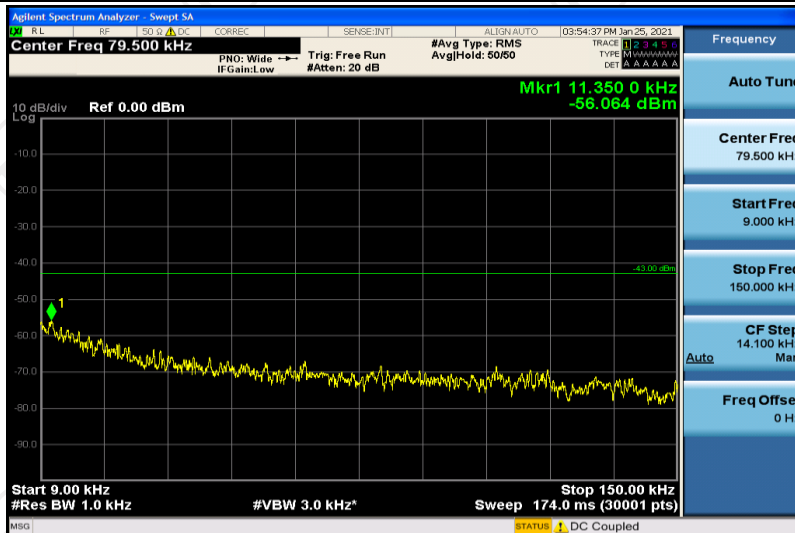
Band66-20MHz-16QAM-132322-1RB#0-Range5:5000~12000MHz



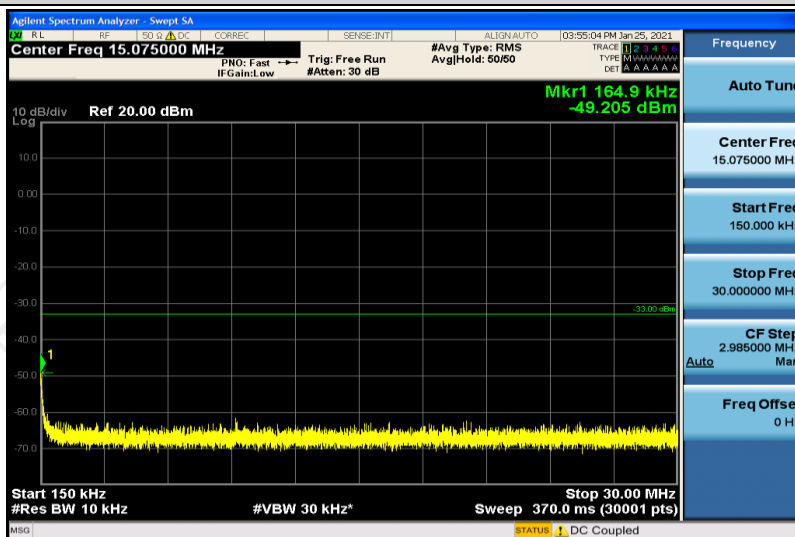
Band66-20MHz-16QAM-132322-1RB#0-Range6:12000~26500MHz



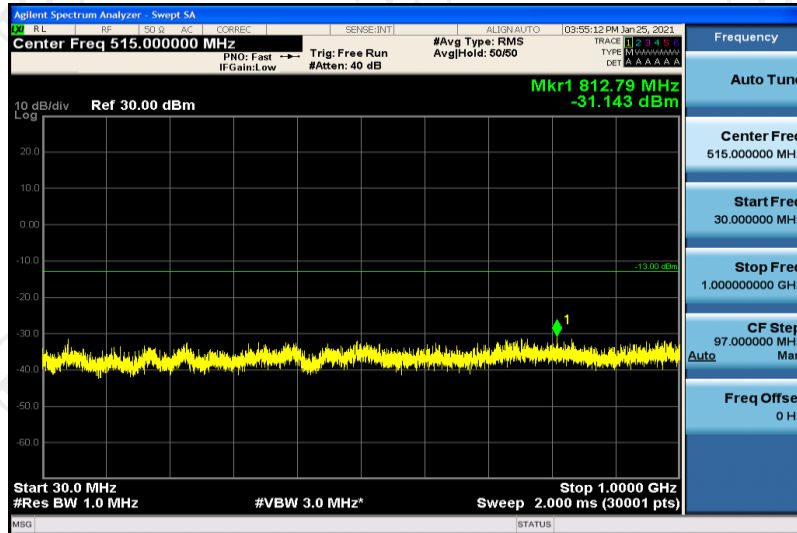
Band66-20MHz-16QAM-132572-1RB#0-Range1:0.009~0.15MHz



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



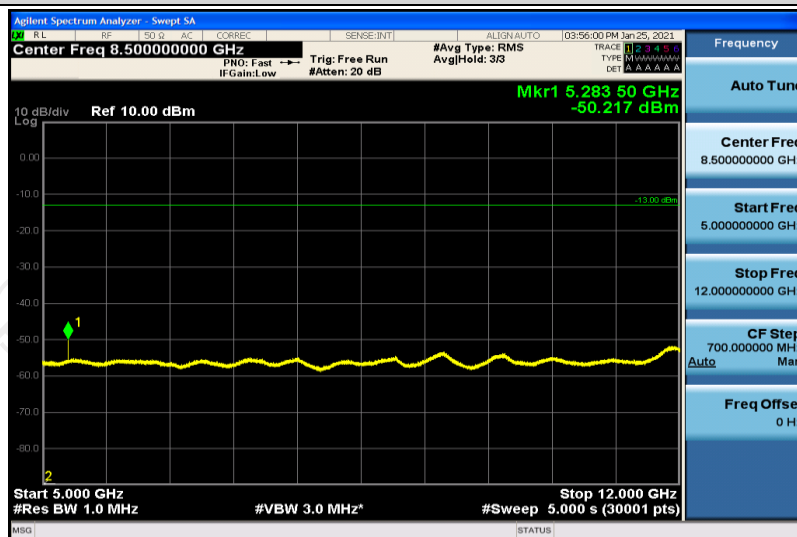
Band66-20MHz-16QAM-132572-1RB#0-Range3:30~1000MHz



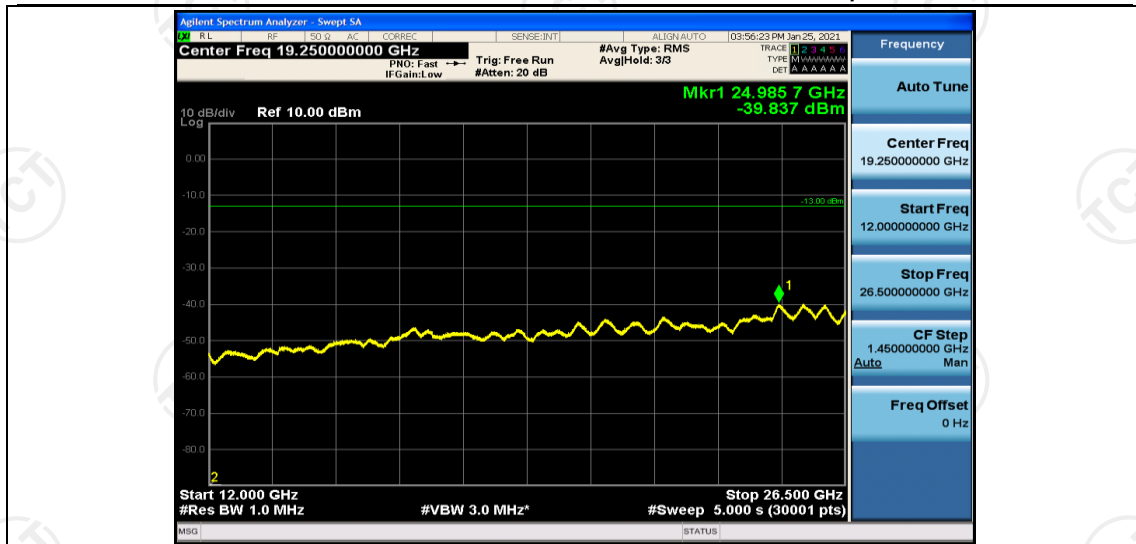
Band66-20MHz-16QAM-132572-1RB#0-Range4:1000~5000MHz



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	3.6	25	-15.58	-0.009102	± 2.5	PASS
		3.8	25	-37.68	-0.022016	± 2.5	PASS
		4.35	25	-7.38	-0.004313	± 2.5	PASS
	MCH	3.6	25	-27.79	-0.016240	± 2.5	PASS
		3.8	25	0.49	0.000277	± 2.5	PASS
		4.35	25	-27.87	-0.016282	± 2.5	PASS
	HCH	3.6	25	-29.21	-0.017068	± 2.5	PASS
		3.8	25	-31.63	-0.018480	± 2.5	PASS
		4.35	25	-31.61	-0.018472	± 2.5	PASS
16QAM	LCH	3.6	25	-11.40	-0.006496	± 2.5	PASS
		3.8	25	-12.65	-0.007206	± 2.5	PASS
		4.35	25	-10.80	-0.006154	± 2.5	PASS
	MCH	3.6	25	-13.13	-0.007483	± 2.5	PASS
		3.8	25	-37.78	-0.021527	± 2.5	PASS
		4.35	25	-46.39	-0.026085	± 2.5	PASS
	HCH	3.6	25	-15.34	-0.008622	± 2.5	PASS
		3.8	25	-32.40	-0.018218	± 2.5	PASS
		4.35	25	-9.01	-0.005067	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.8	-30	8.91	0.005078	± 2.5	PASS
		3.8	-20	-13.45	-0.007662	± 2.5	PASS
		3.8	-10	-36.06	-0.020549	± 2.5	PASS
		3.8	0	-7.67	-0.004369	± 2.5	PASS
		3.8	10	-8.04	-0.004697	± 2.5	PASS
		3.8	20	-29.35	-0.017159	± 2.5	PASS
		3.8	30	-35.25	-0.020604	± 2.5	PASS
		3.8	40	-37.95	-0.022185	± 2.5	PASS
		3.8	50	-22.32	-0.013045	± 2.5	PASS
	MCH	3.8	-30	-17.09	-0.009612	± 2.5	PASS
		3.8	-20	-25.38	-0.014269	± 2.5	PASS
		3.8	-10	-22.04	-0.012395	± 2.5	PASS
		3.8	0	-19.64	-0.011044	± 2.5	PASS

		3.8	10	13.45	0.007662	± 2.5	PASS
		3.8	20	-6.28	-0.003578	± 2.5	PASS
		3.8	30	-22.60	-0.012879	± 2.5	PASS
		3.8	40	-27.61	-0.015732	± 2.5	PASS
		3.8	50	-23.57	-0.013433	± 2.5	PASS
	HCH	3.8	-30	1.82	0.001035	± 2.5	PASS
		3.8	-20	27.12	0.015838	± 2.5	PASS
		3.8	-10	33.87	0.019781	± 2.5	PASS
		3.8	0	38.75	0.022629	± 2.5	PASS
		3.8	10	-2.72	-0.001587	± 2.5	PASS
		3.8	20	-12.09	-0.006794	± 2.5	PASS
		3.8	30	-28.62	-0.016088	± 2.5	PASS
		3.8	40	-26.32	-0.014793	± 2.5	PASS
		3.8	50	-7.32	-0.004116	± 2.5	PASS
	LCH	3.8	-30	-1.16	-0.000660	± 2.5	PASS
		3.8	-20	-28.37	-0.015959	± 2.5	PASS
		3.8	-10	-6.04	-0.003396	± 2.5	PASS
		3.8	0	-23.19	-0.013046	± 2.5	PASS
		3.8	10	-27.35	-0.015388	± 2.5	PASS
		3.8	20	-13.12	-0.007668	± 2.5	PASS
		3.8	30	-26.52	-0.015503	± 2.5	PASS
		3.8	40	-15.34	-0.008964	± 2.5	PASS
		3.8	50	-37.81	-0.022101	± 2.5	PASS
	MCH	3.8	-30	-6.01	-0.003508	± 2.5	PASS
		3.8	-20	-10.97	-0.006407	± 2.5	PASS
		3.8	-10	-22.00	-0.012847	± 2.5	PASS
		3.8	0	-27.04	-0.015788	± 2.5	PASS
		3.8	10	-18.58	-0.010588	± 2.5	PASS
		3.8	20	-16.69	-0.009512	± 2.5	PASS
		3.8	30	3.50	0.001997	± 2.5	PASS
		3.8	40	-17.68	-0.010075	± 2.5	PASS
		3.8	50	-40.66	-0.023165	± 2.5	PASS
16QAM	HCH	3.8	-30	21.21	0.012388	± 2.5	PASS
		3.8	-20	5.68	0.003236	± 2.5	PASS
		3.8	-10	-0.41	-0.000236	± 2.5	PASS
		3.8	0	-13.32	-0.007589	± 2.5	PASS
		3.8	10	-25.52	-0.014541	± 2.5	PASS
		3.8	20	-2.76	-0.001552	± 2.5	PASS
		3.8	30	-32.57	-0.018306	± 2.5	PASS
		3.8	40	-4.51	-0.002533	± 2.5	PASS
		3.8	50	-28.78	-0.016176	± 2.5	PASS