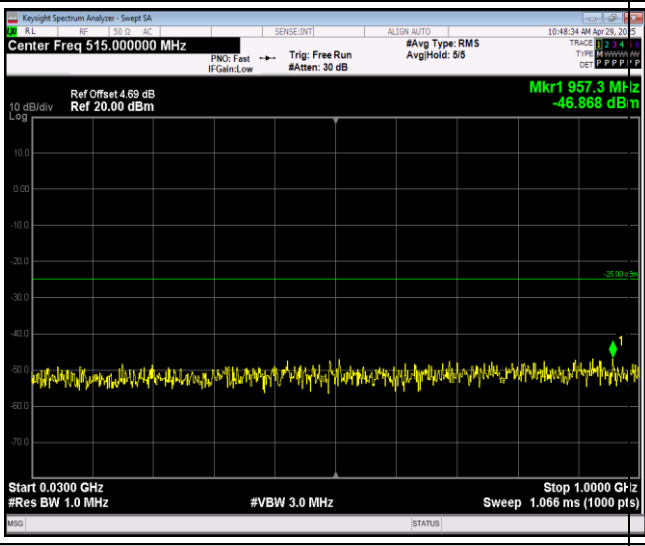
Band38-5MHz-QPSK-37775-1RB#0-Range1:30~1000MHz	Band38-5MHz-QPSK-37775-1RB#0-Range2:1000~26500MHz
	
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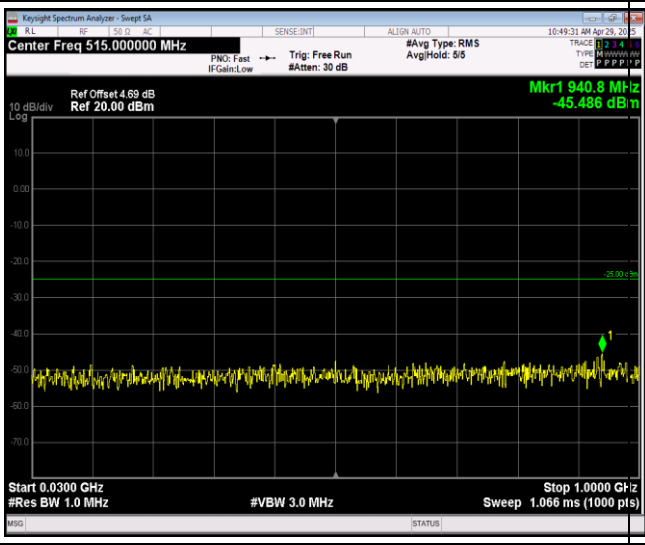	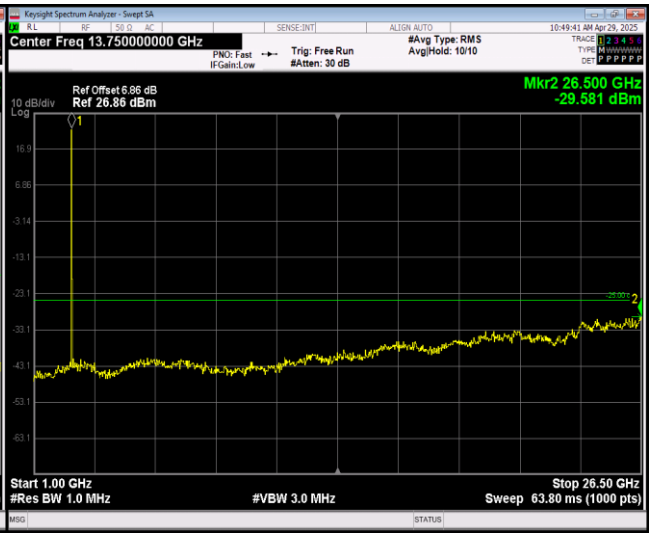
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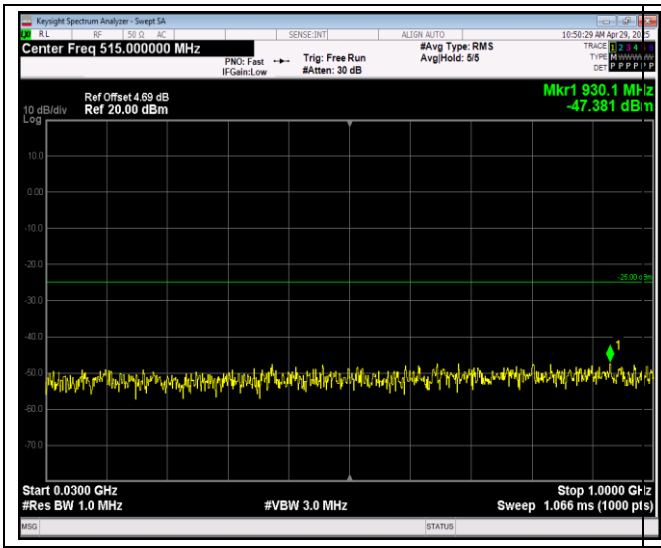
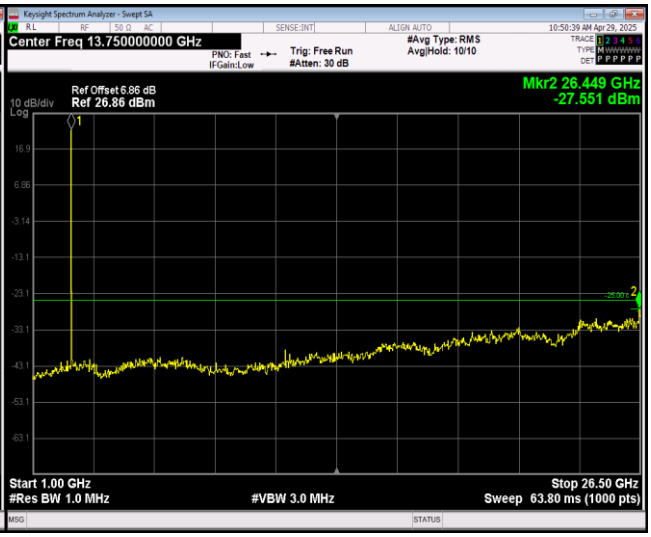


Band38-5MHz-16QAM-37775-1RB#0-Range1:30~1000MHz



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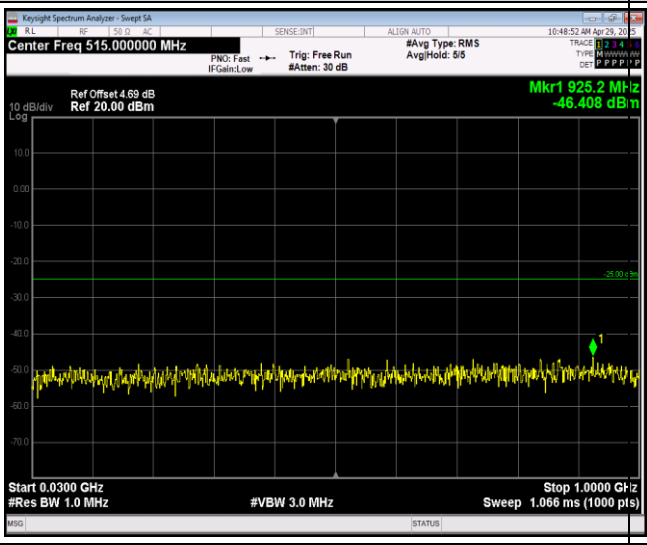
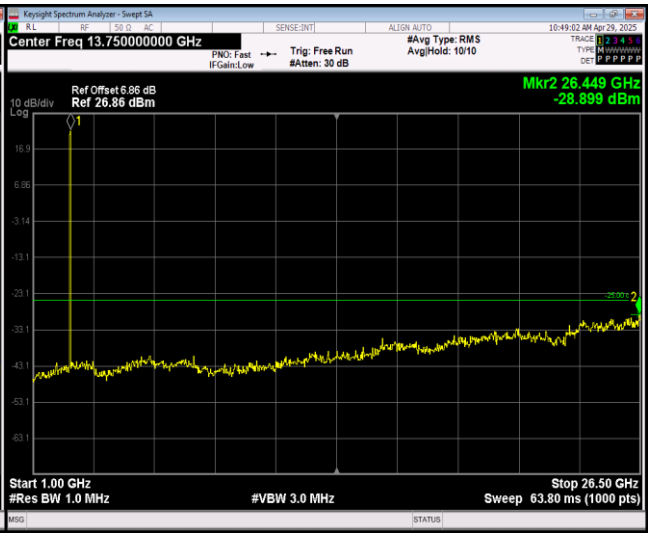
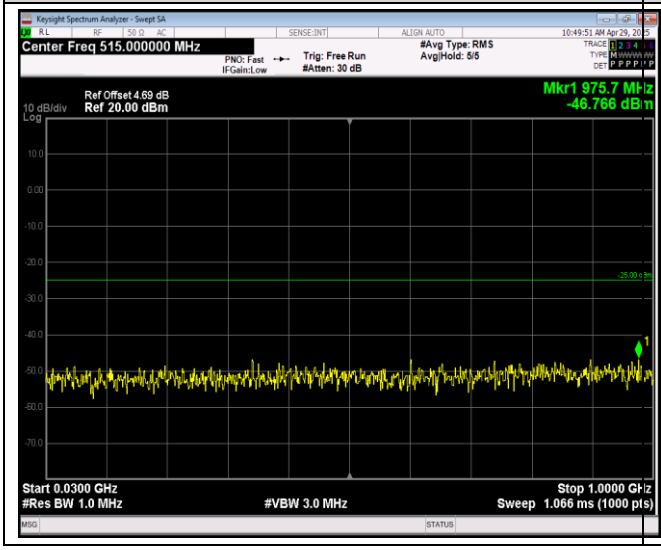
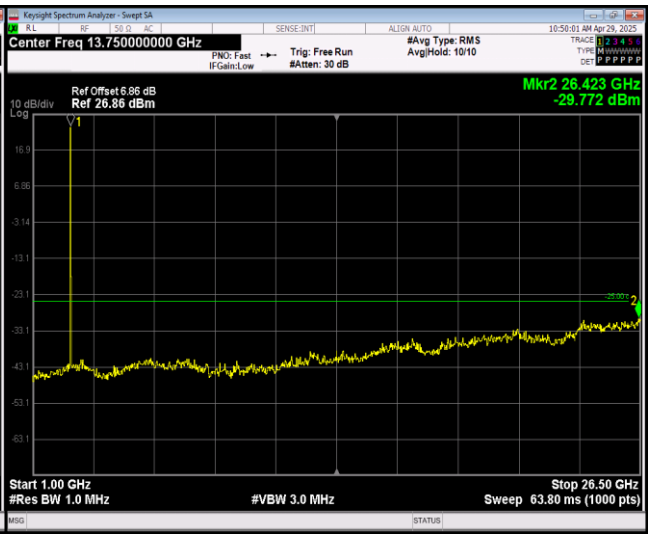


Band38-5MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



Band38-5MHz-16QAM-38000-1RB#0-Range2:1000~26500MHz





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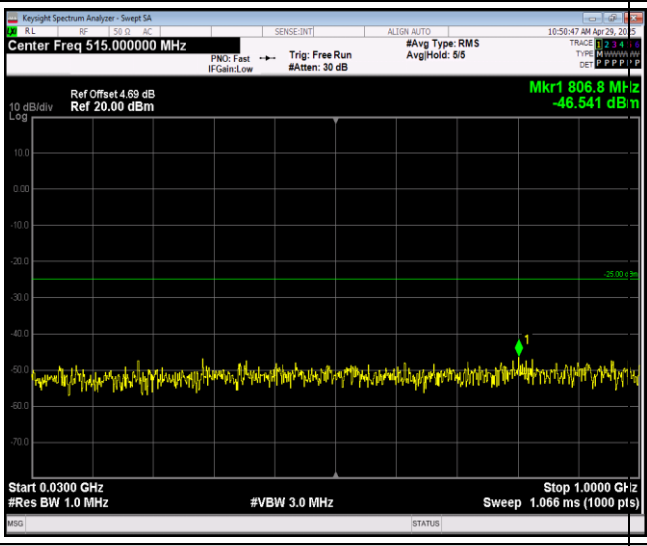	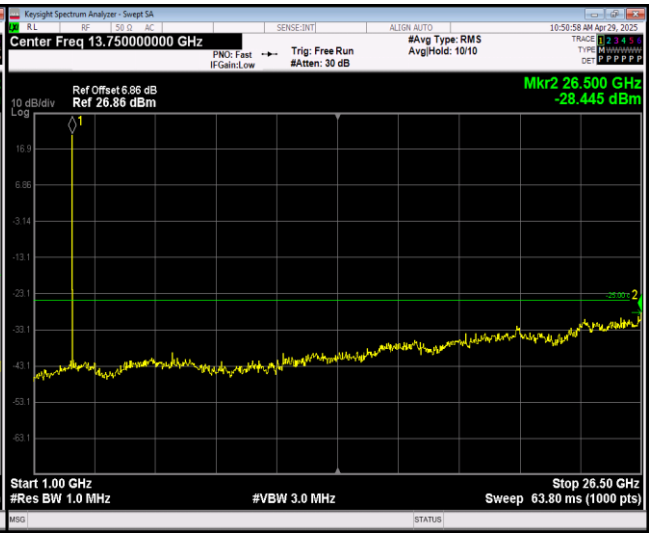
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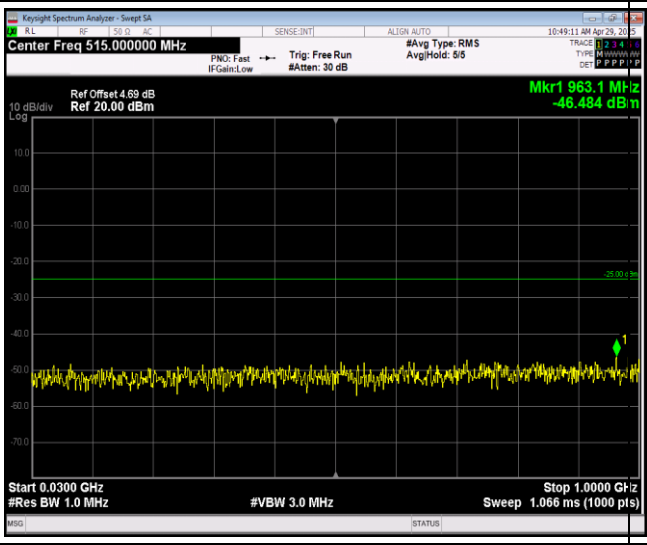
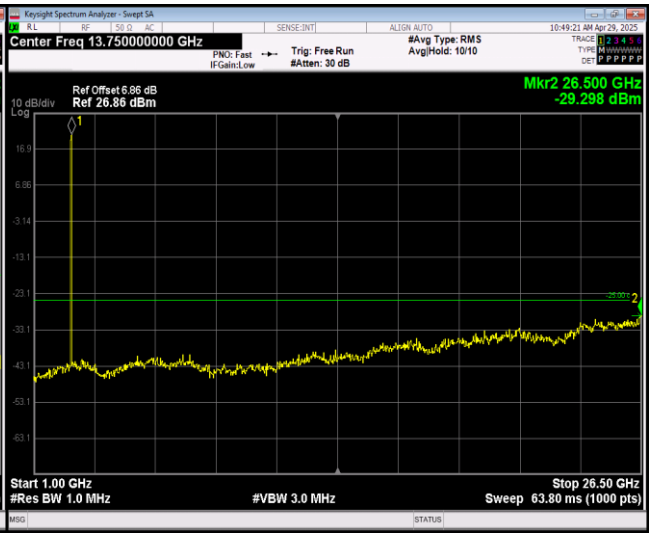
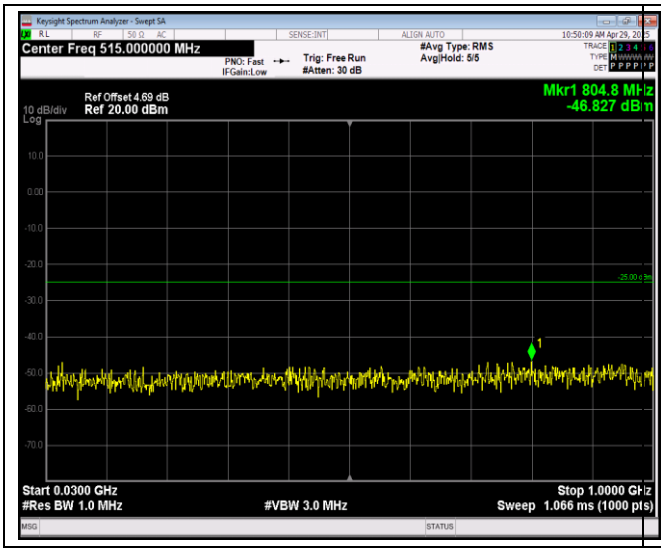
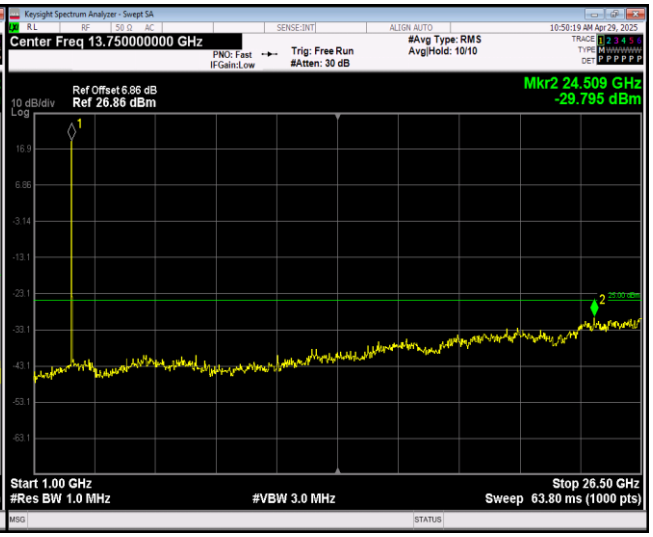
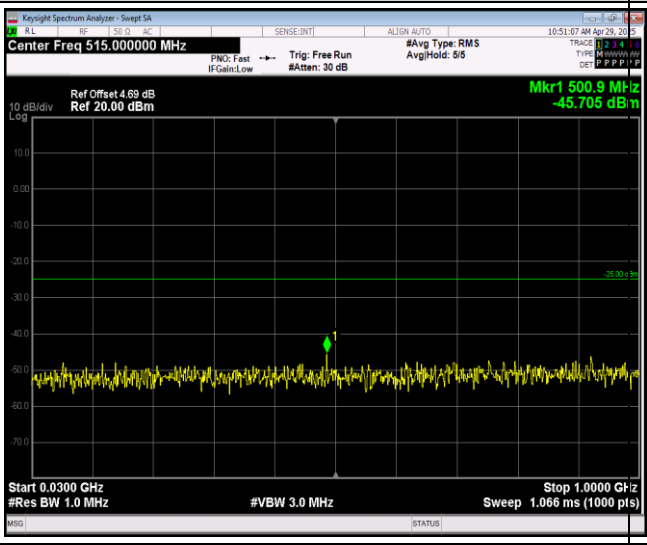
	
Band38-5MHz-64QAM-38000-1RB#0-Range1:30~1000MHz	Band38-5MHz-64QAM-38000-1RB#0-Range2:1000~26500MHz



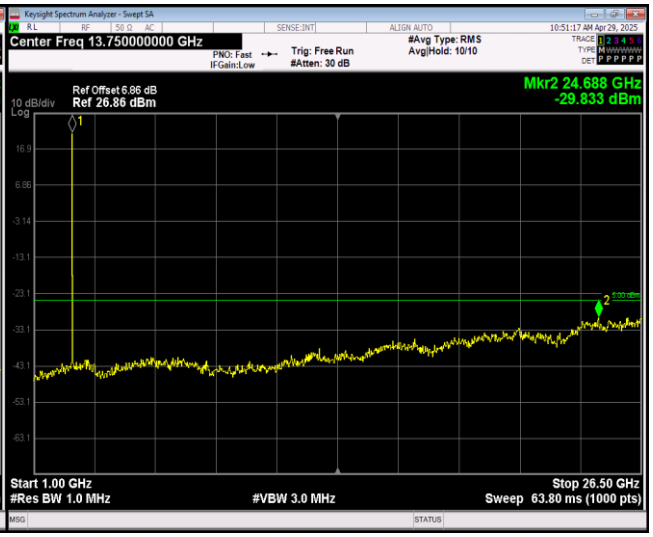
Band38-5MHz-64QAM-38225-1RB#0-Range1:30~1000MHz



Band38-5MHz-64QAM-38225-1RB#0-Range2:1000~26500MHz



Band38-20MHz-QPSK-37850-1RB#0-Range1:30~1000MHz



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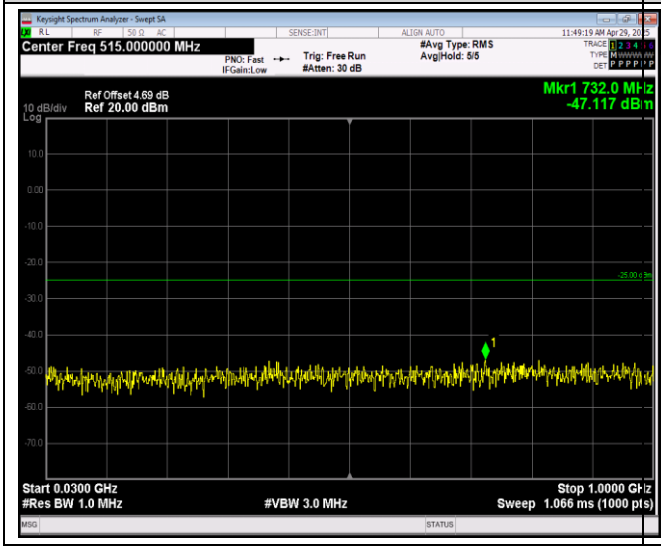
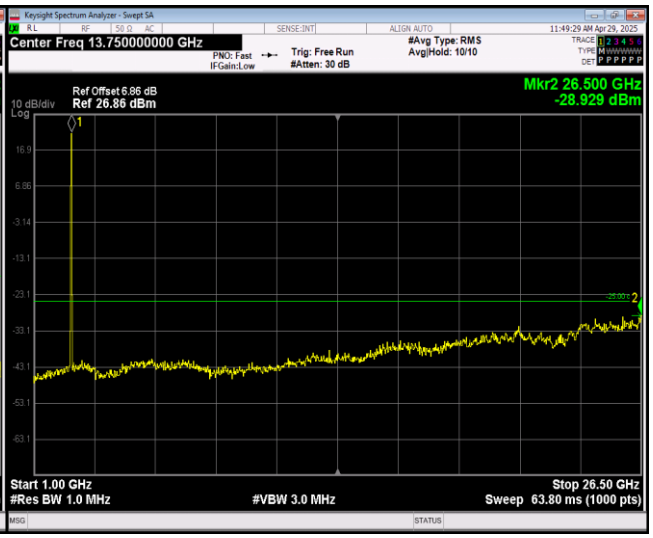
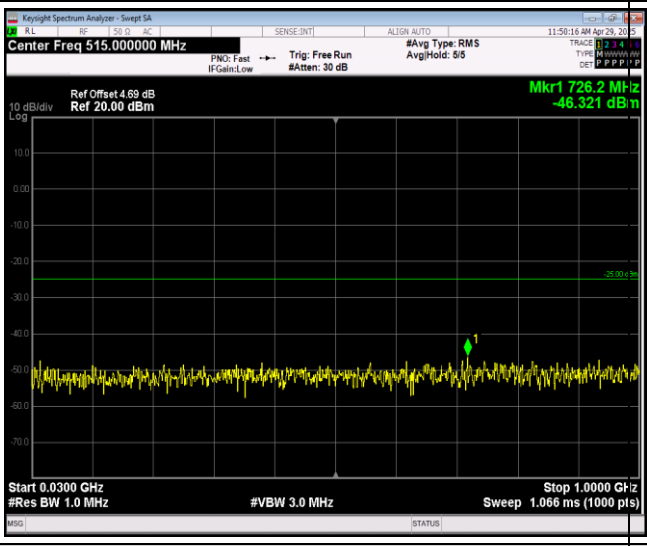
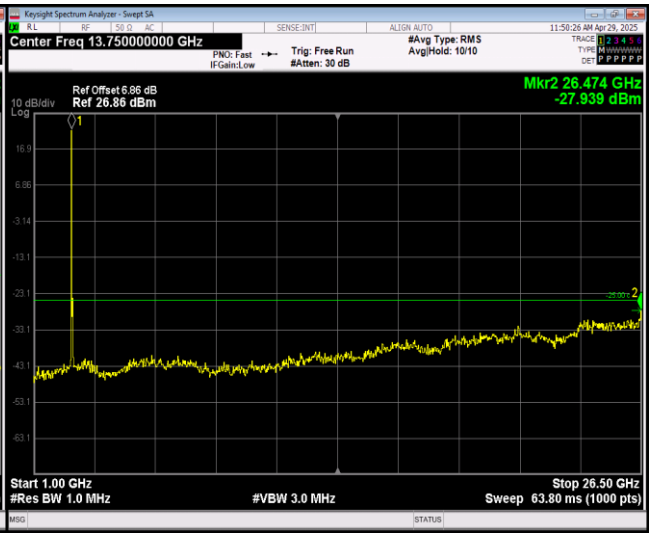




Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz	Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~26500MHz
	
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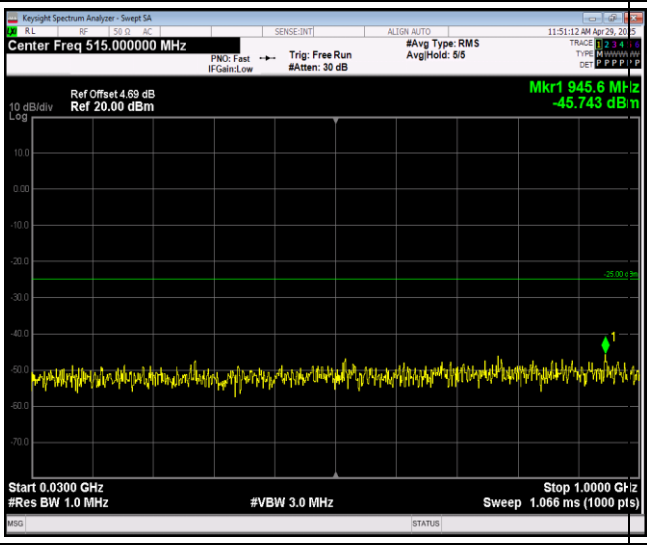
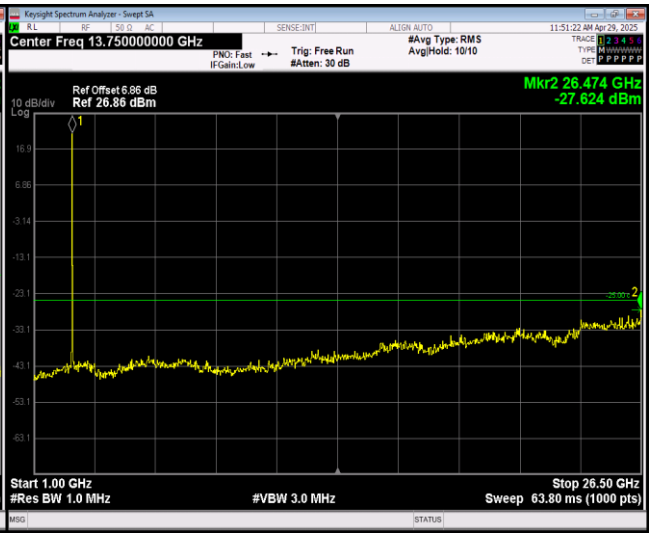
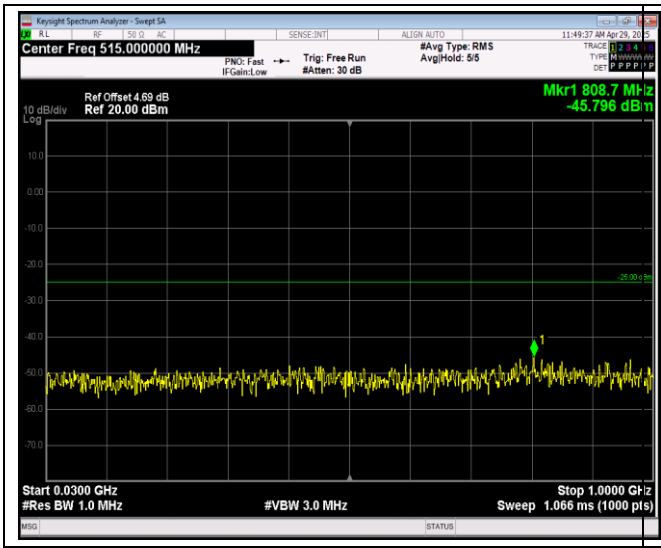
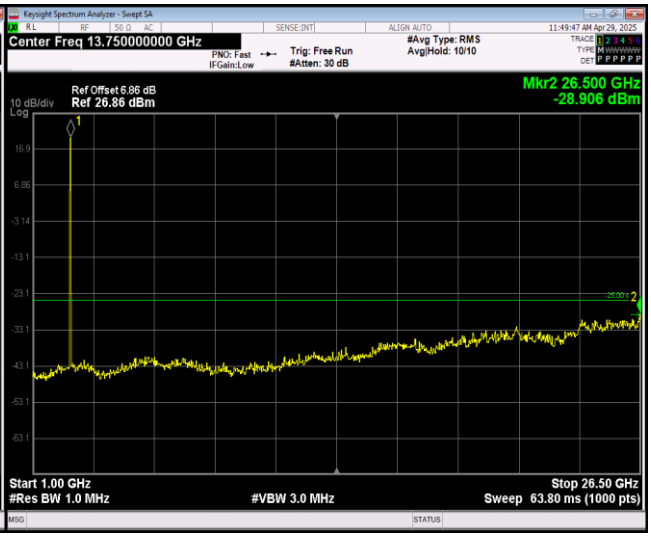
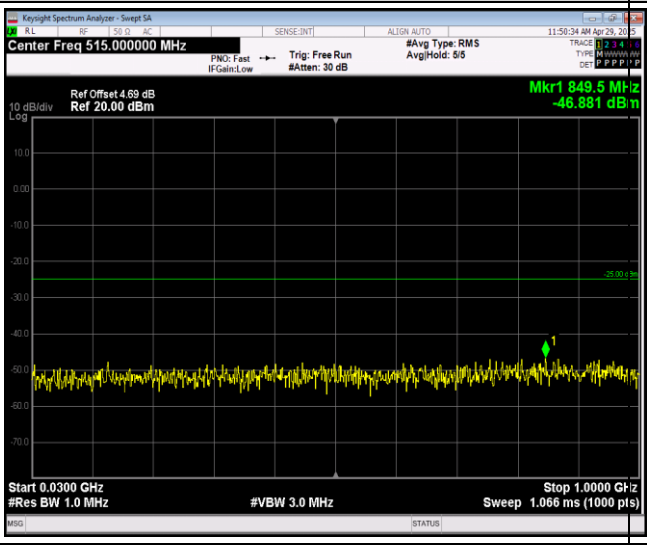
	
Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz	Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~26500MHz



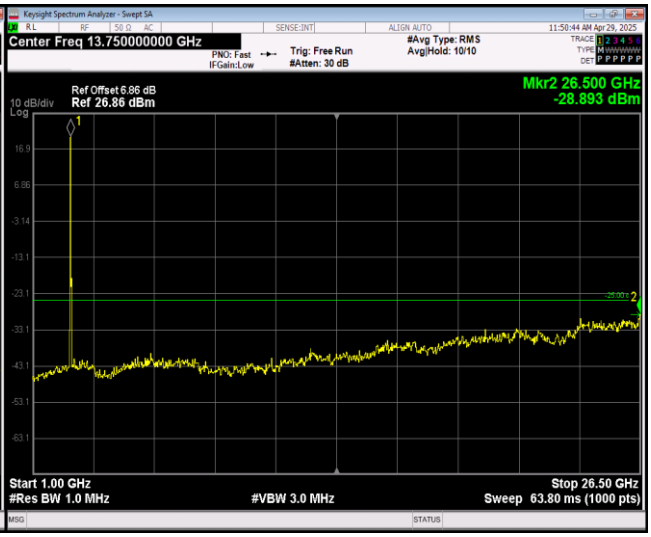
Band38-20MHz-16QAM-38000-1RB#0-Range1:30 ~1000MHz



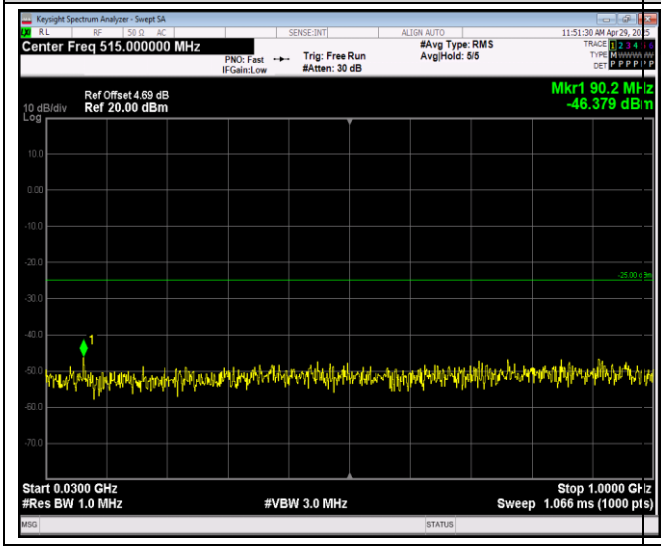
Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~26500MHz

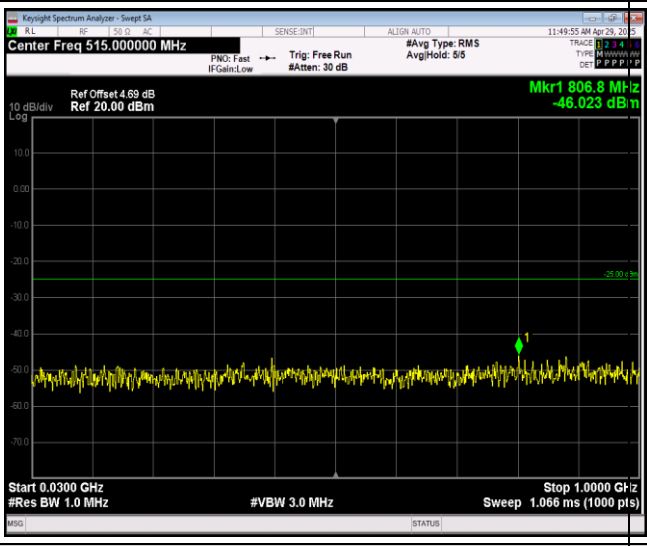
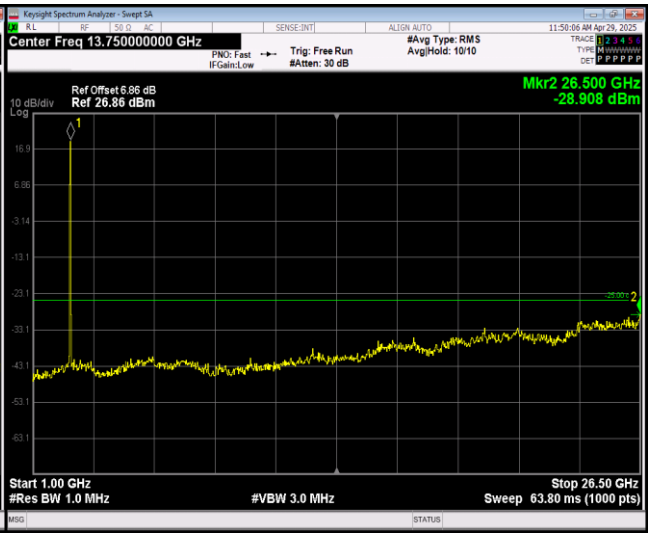
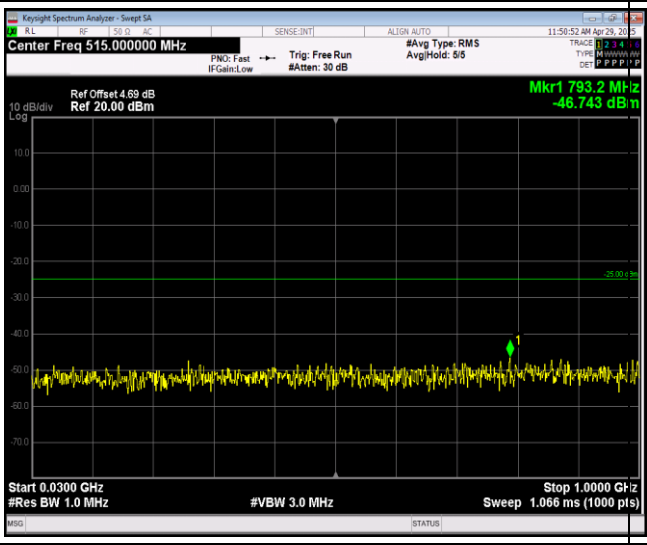
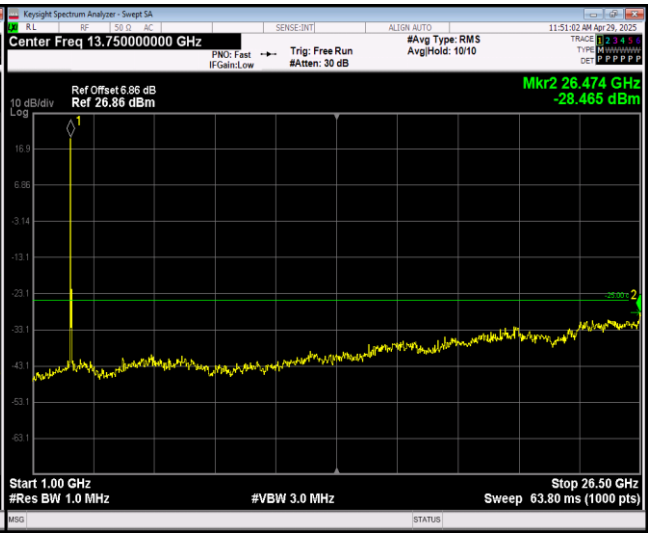


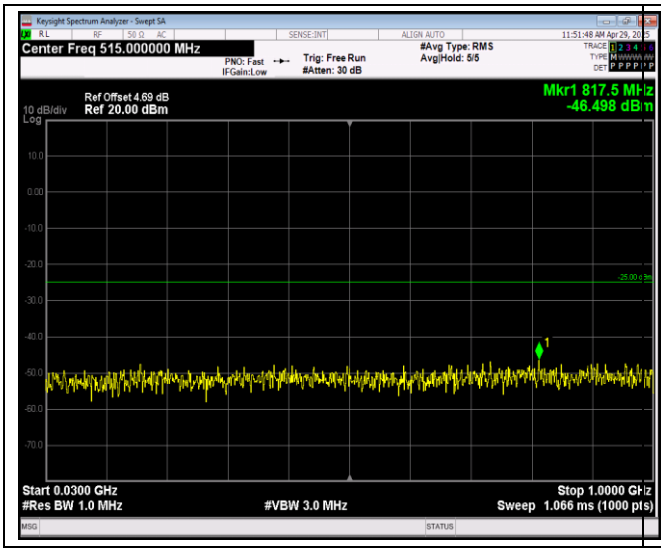
Band38-20MHz-16QAM-38150-1RB#0-Range1:30 ~1000MHz



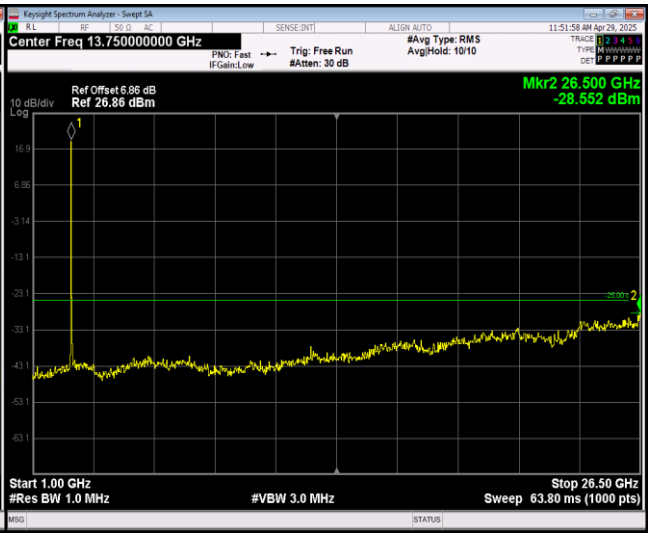
Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~26500MHz



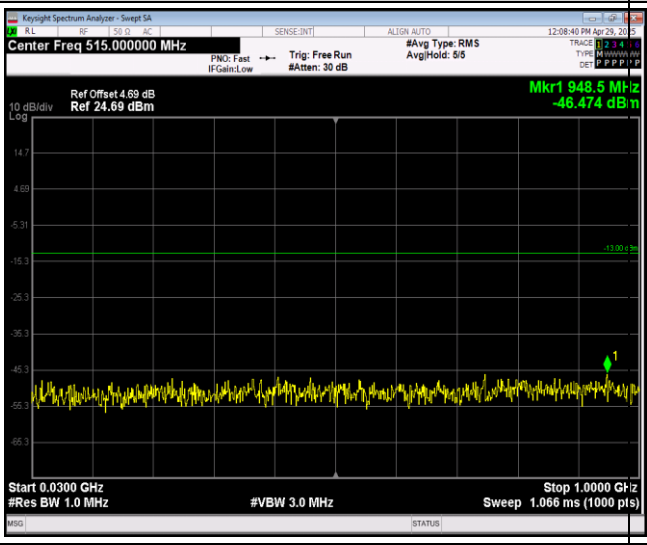
Band38-20MHz-64QAM-37850-1RB#0-Range1:30~1000MHz	Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~26500MHz
	
Band38-20MHz-64QAM-38000-1RB#0-Range1:30~1000MHz	Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~26500MHz
	
Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz	Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~26500MHz



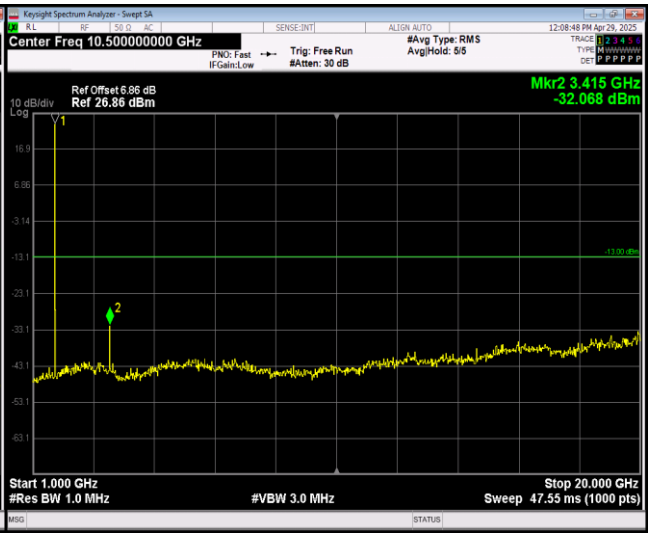
Band66-1.4MHz-QPSK-131979-1RB#0-Range1:30 ~1000MHz



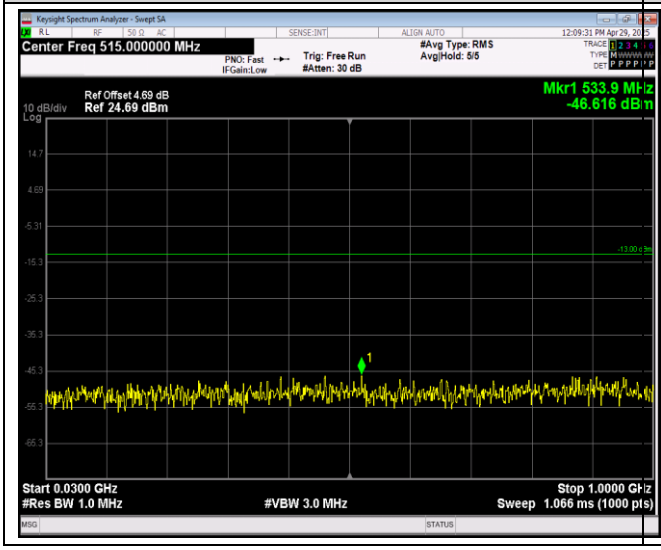
Band66-1.4MHz-QPSK-131979-1RB#0-Range2:1000 ~20000MHz

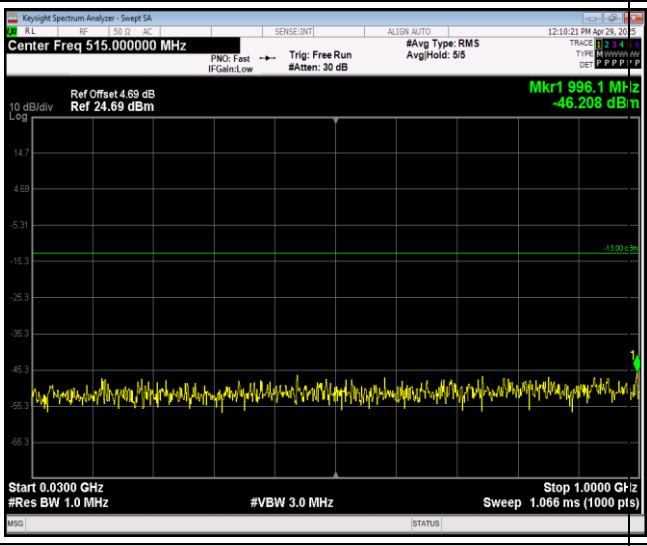
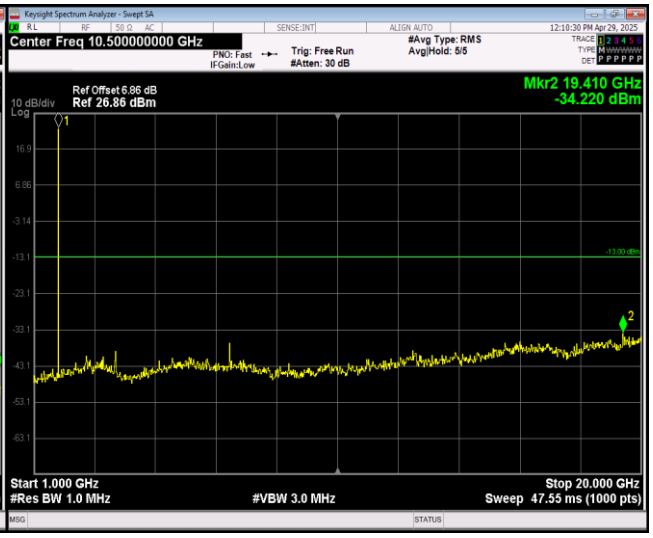
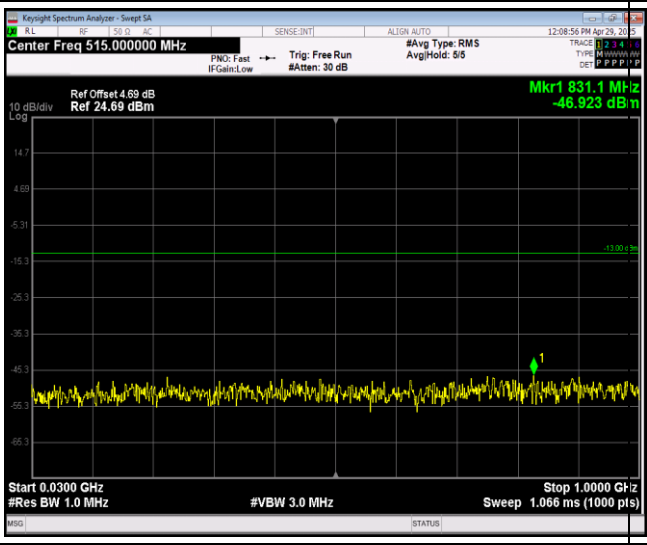
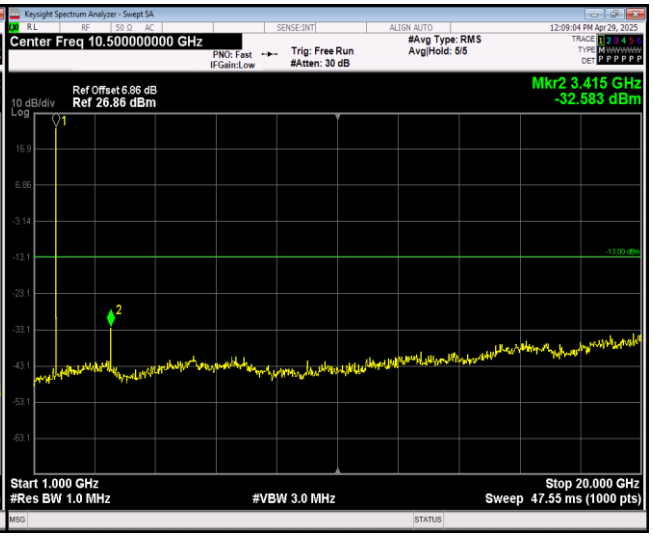


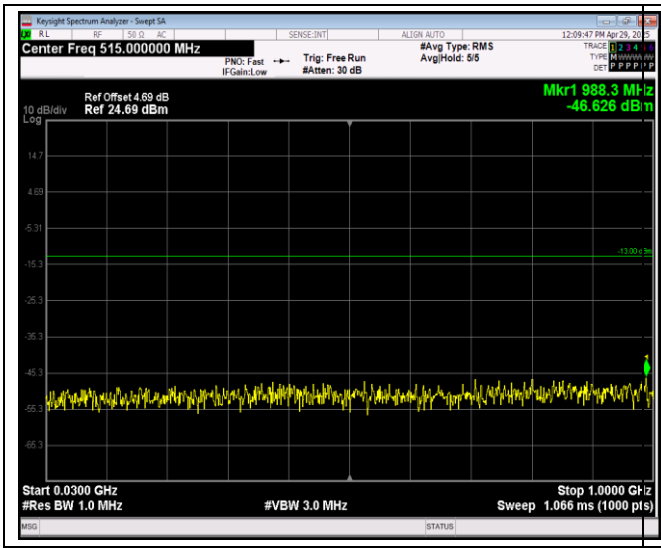
Band66-1.4MHz-QPSK-132322-1RB#0-Range1:30 ~1000MHz



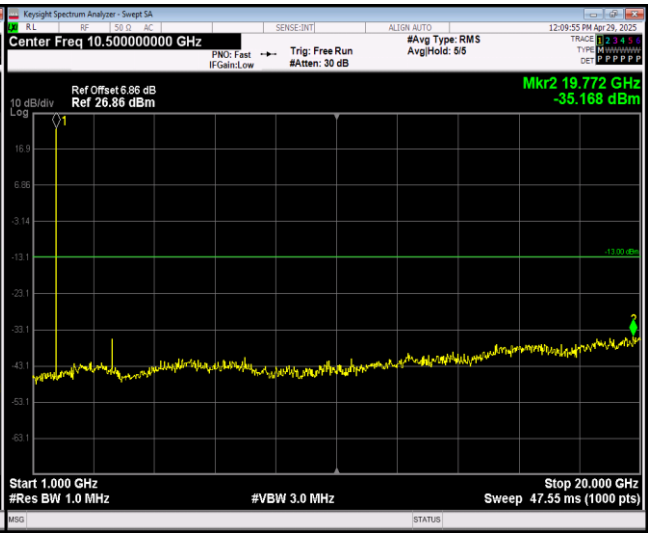
Band66-1.4MHz-QPSK-132322-1RB#0-Range2:1000 ~20000MHz



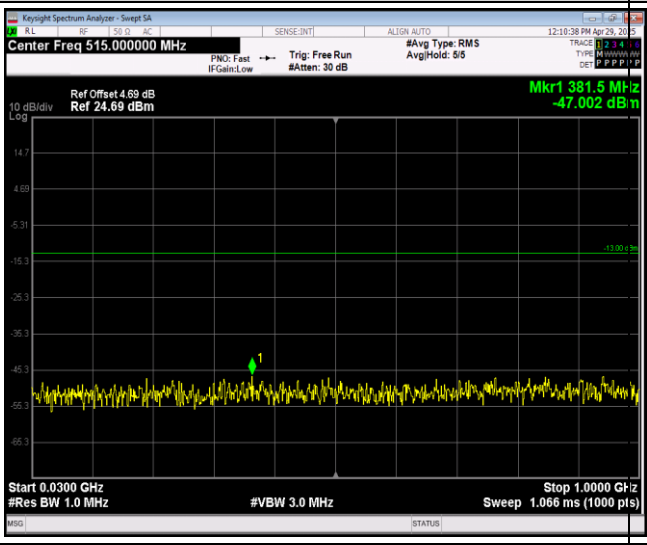
Band66-1.4MHz-QPSK-132665-1RB#0-Range1:30~1000MHz	Band66-1.4MHz-QPSK-132665-1RB#0-Range2:1000~20000MHz
	
Band66-1.4MHz-16QAM-131979-1RB#0-Range1:30~1000MHz	Band66-1.4MHz-16QAM-131979-1RB#0-Range2:1000~20000MHz
	
Band66-1.4MHz-16QAM-132322-1RB#0-Range1:30~1000MHz	Band66-1.4MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



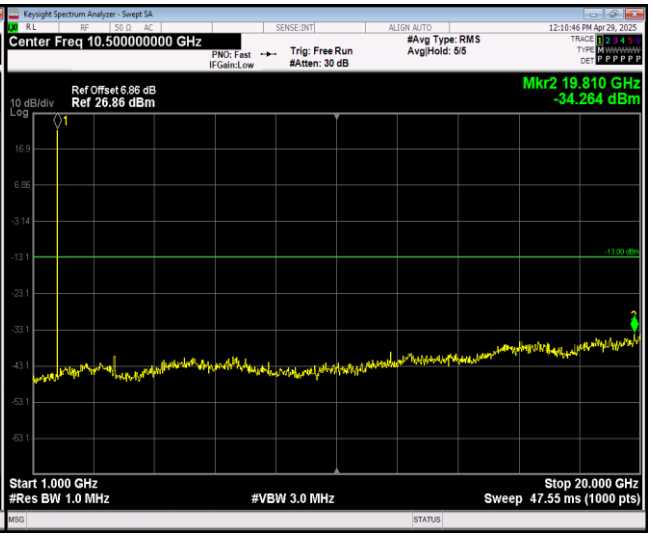
Band66-1.4MHz-16QAM-132665-1RB#0-Range1:30~1000MHz



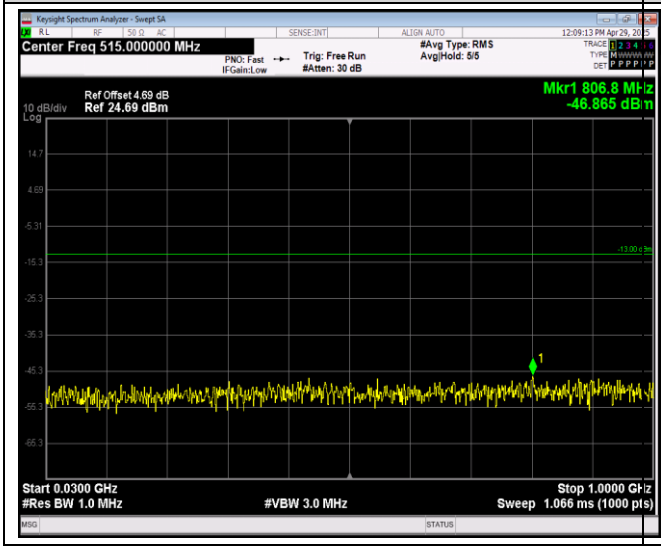
Band66-1.4MHz-16QAM-132665-1RB#0-Range2:1000~20000MHz

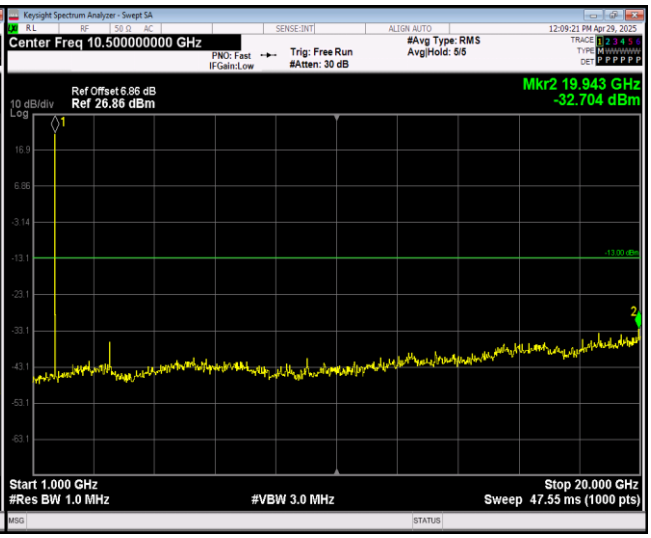


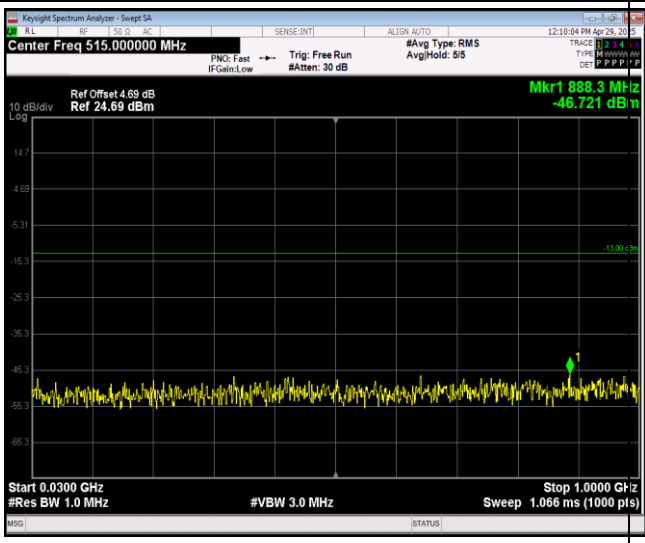
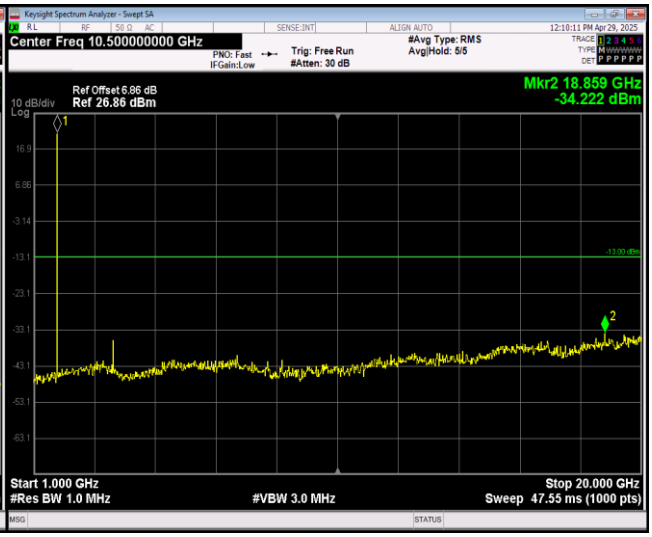
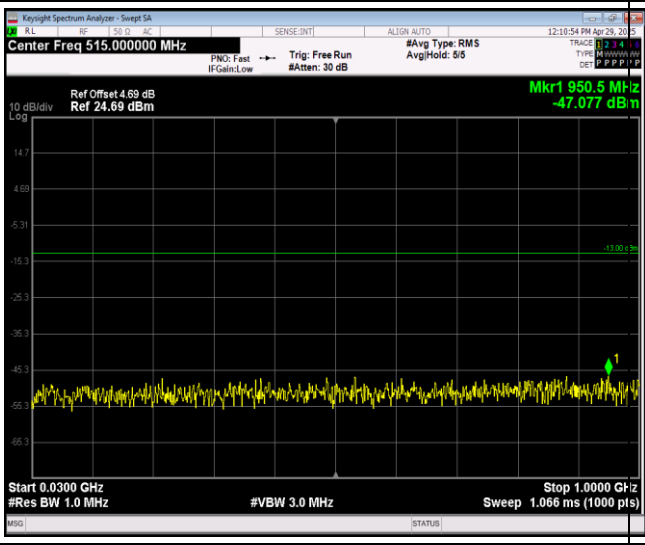
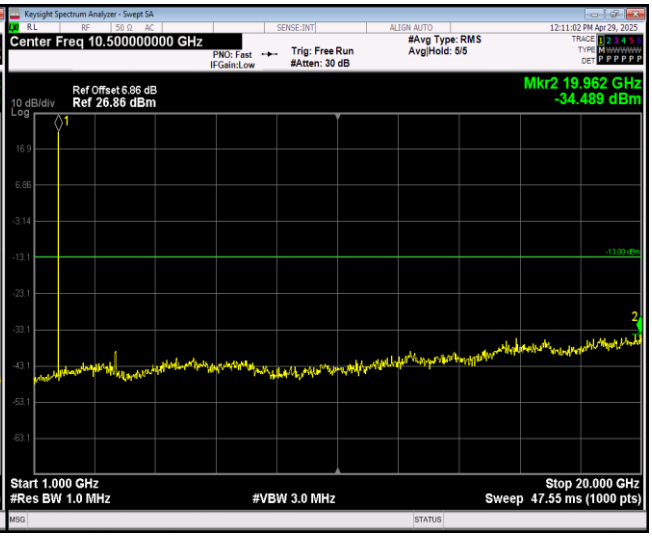
Band66-1.4MHz-64QAM-131979-1RB#0-Range1:30~1000MHz

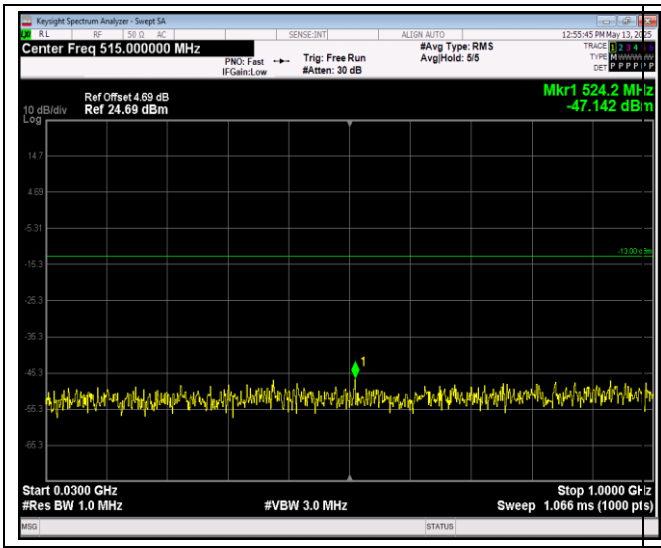


Band66-1.4MHz-64QAM-131979-1RB#0-Range2:1000~20000MHz

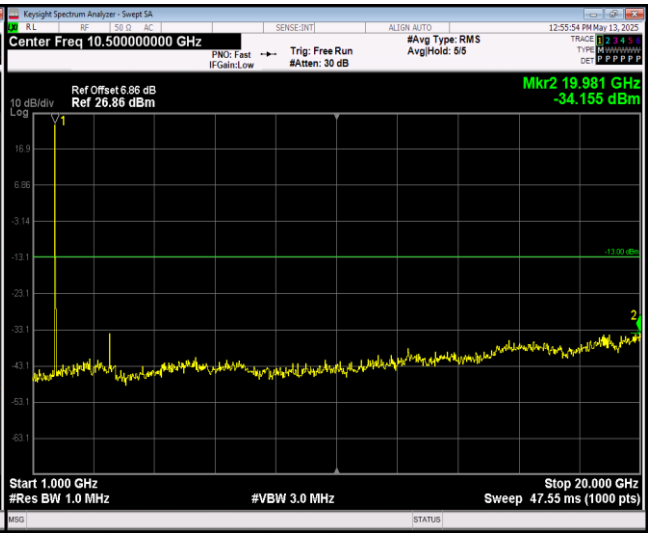




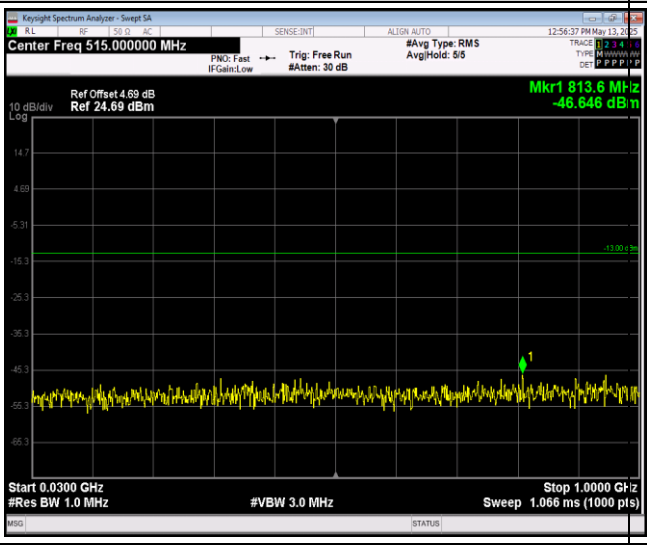
Band66-1.4MHz-64QAM-132322-1RB#0-Range1:30~1000MHz	Band66-1.4MHz-64QAM-132322-1RB#0-Range2:1000~20000MHz
	
Band66-1.4MHz-64QAM-132665-1RB#0-Range1:30~1000MHz	Band66-1.4MHz-64QAM-132665-1RB#0-Range2:1000~20000MHz
	
Band66-20MHz-QPSK-132072-1RB#0-Range1:30~1000MHz	Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz



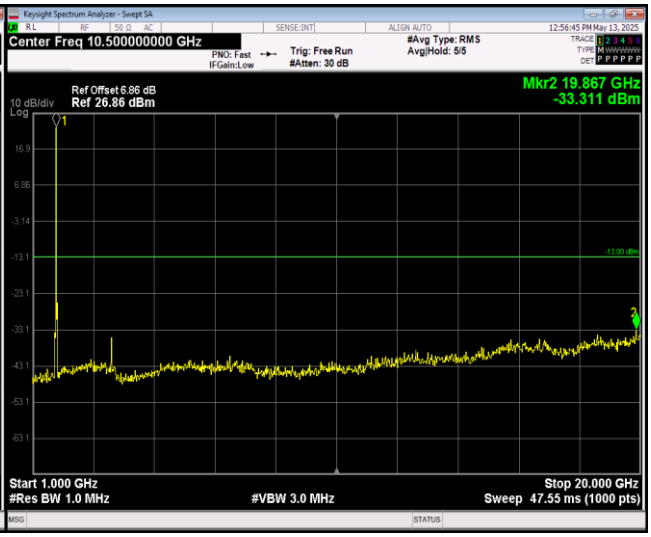
Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



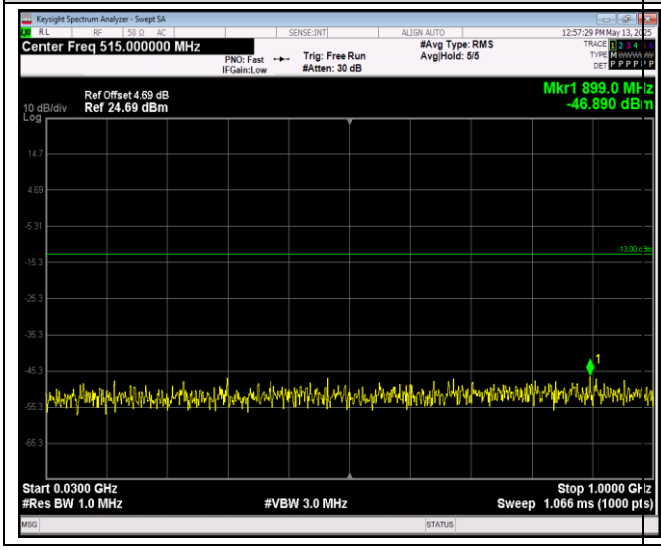
Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz

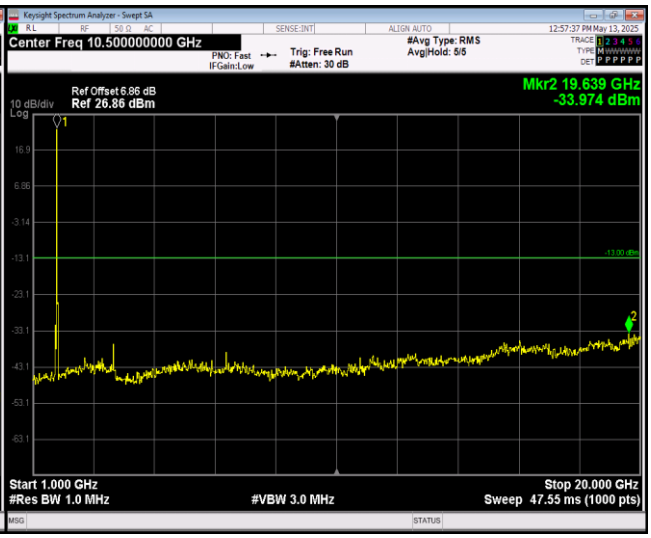


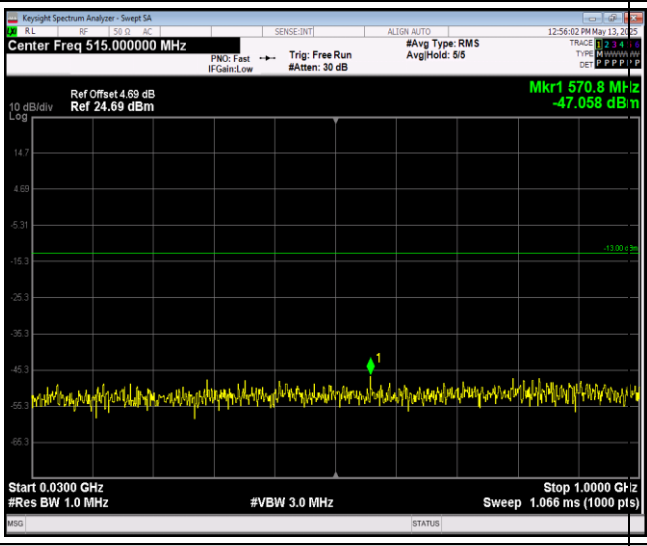
Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz





Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz	Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz
	
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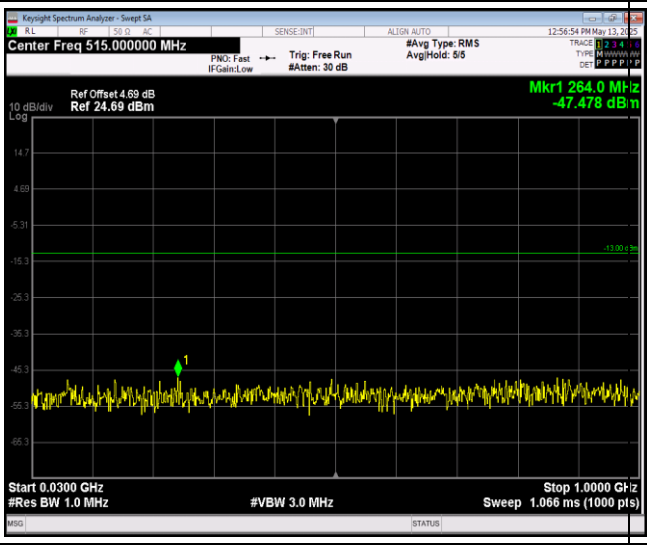
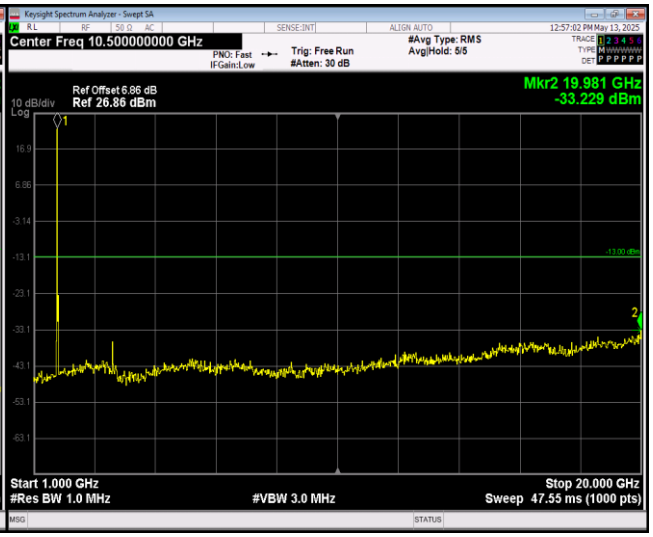
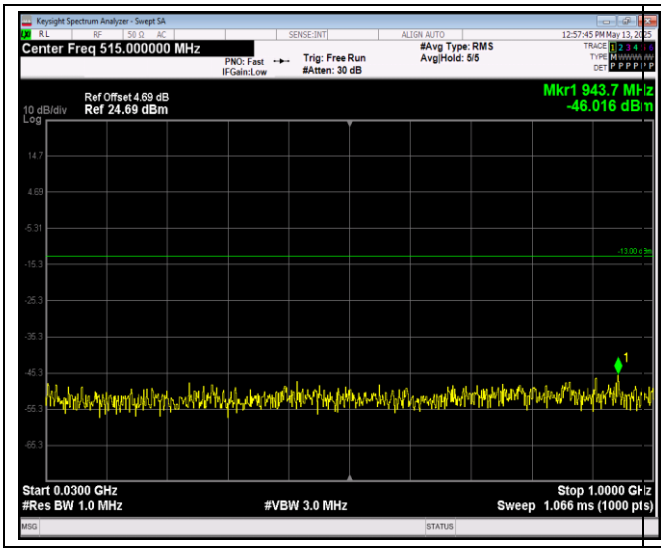
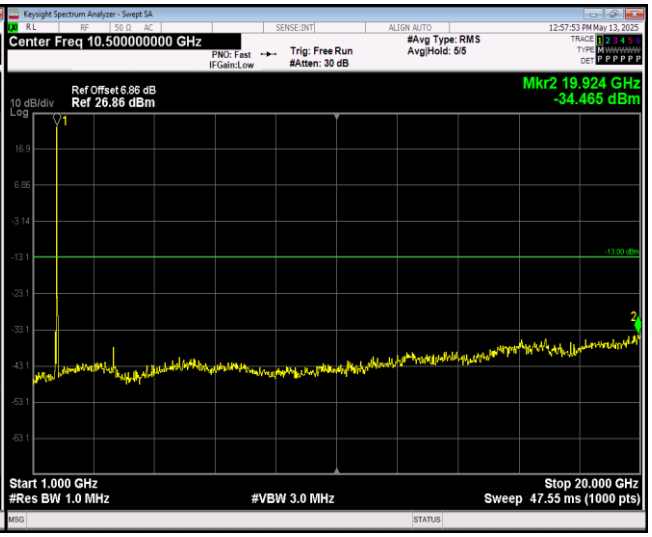
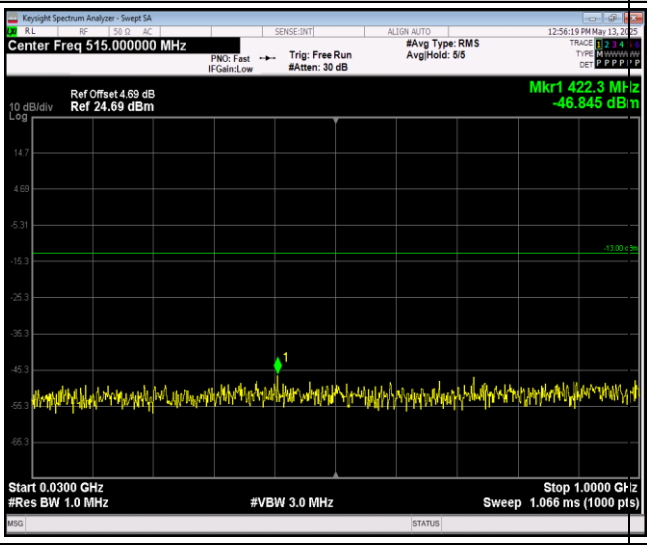
	
Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz	Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~20000MHz



Band66-20MHz-64QAM-132072-1RB#0-Range1:30~1000MHz

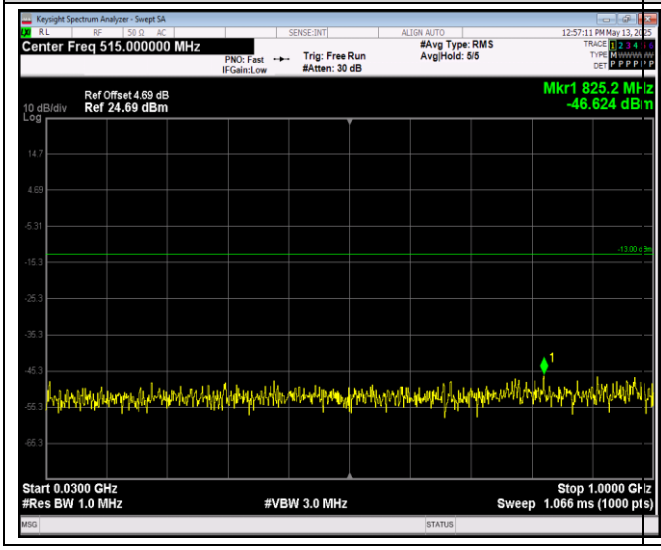


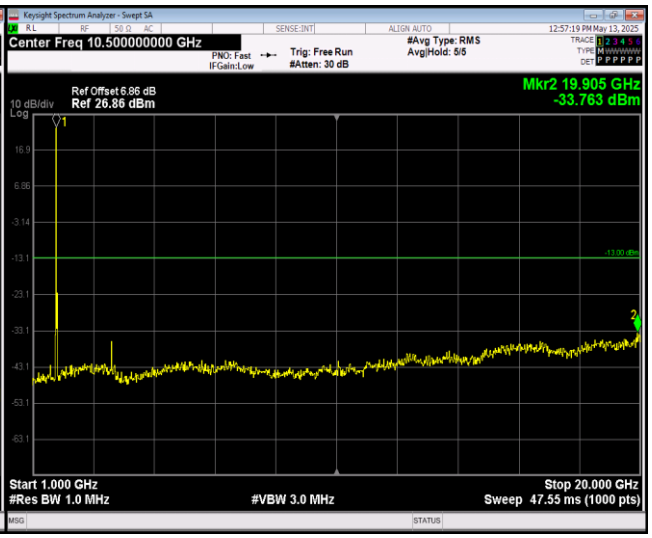
Band66-20MHz-64QAM-132072-1RB#0-Range2:1000~20000MHz

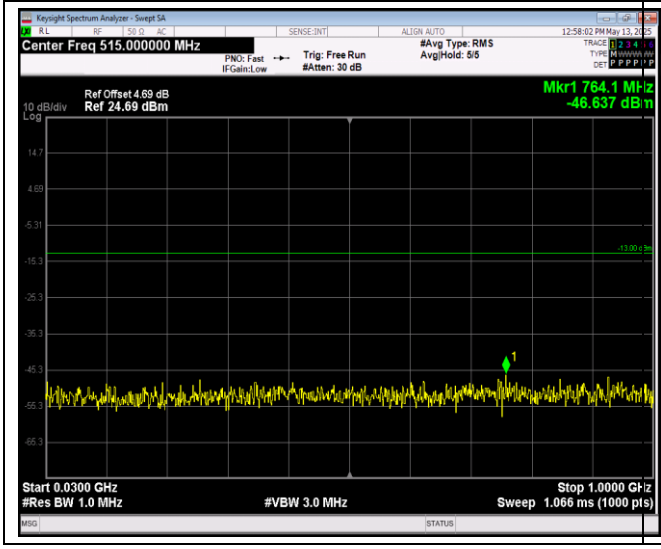
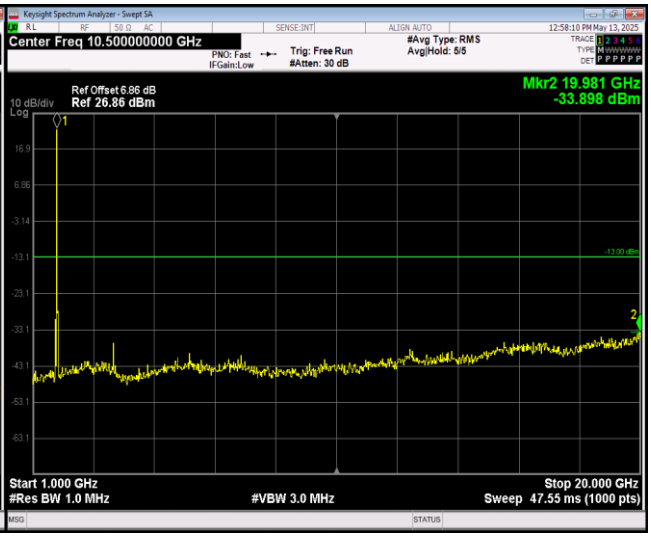


Band66-20MHz-64QAM-132322-1RB#0-Range1:30~1000MHz

Band66-20MHz-64QAM-132322-1RB#0-Range2:1000~20000MHz





Band66-20MHz-64QAM-132572-1RB#0-Range1:30~1000MHz	Band66-20MHz-64QAM-132572-1RB#0-Range2:1000~20000MHz
	

Appendix F: Frequency Stability

Test Result

LTE Band 2 part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 Frequency=1880.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-12.63	-0.006718	Within authorized band for Band 2	Pass
	-20	-19.04	-0.010128		
	-10	-17.07	-0.009080		
	0	-19.34	-0.010287		
	10	-16.31	-0.008676		
	20	-18.10	-0.009628		
	30	-19.73	-0.010495		
	40	-21.53	-0.011452		
	50	-17.41	-0.009261		
16QAM					
3.85	-30	-22.37	-0.011899	Within authorized band for Band 2	Pass
	-20	-18.93	-0.010069		
	-10	-19.66	-0.010457		
	0	-22.37	-0.011899		
	10	-15.92	-0.008468		
	20	3.22	0.001713		
	30	-19.41	-0.010324		
	40	-14.00	-0.007447		
	50	-32.50	-0.017287		
64QAM					
3.85	-30	7.51	0.003995	Within authorized band for Band 2	Pass
	-20	-17.41	-0.009261		
	-10	6.62	0.003521		
	0	-15.01	-0.007984		
	10	-25.46	-0.013543		
	20	4.02	0.002138		
	30	-13.10	-0.006968		
	40	-7.74	-0.004117		
	50	-18.42	-0.009798		

Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.30	-16.24	-0.008638	Within authorized band for Band 2	Pass
	3.85	-34.49	-0.018346		
	4.42	-23.29	-0.012388		
16QAM					
25	3.30	-17.90	-0.009521	Within authorized band for Band 2	Pass
	3.85	-20.83	-0.011080		
	4.42	-18.00	-0.009574		
64QAM					
25	3.30	-13.33	-0.007090	Within authorized band for Band 2	Pass
	3.85	-17.08	-0.009085		
	4.42	-16.11	-0.008569		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 4 part:

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 Frequency=1732.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-17.72	-0.010228	Within authorized band for Band 4	Pass
	-20	-15.79	-0.009114		
	-10	-19.93	-0.011504		
	0	-13.02	-0.007515		
	10	-18.31	-0.010569		
	20	-20.40	-0.011775		
	30	-17.77	-0.010257		
	40	-12.89	-0.007440		
	50	-12.37	-0.007140		
16QAM					
3.85	-30	-12.53	-0.007232	Within authorized band for Band 4	Pass
	-20	-15.01	-0.008664		
	-10	-3.48	-0.002009		
	0	-13.82	-0.007977		
	10	-15.64	-0.009027		
	20	-5.21	-0.003007		
	30	-12.95	-0.007475		
	40	-19.74	-0.011394		
	50	-10.54	-0.006084		
64QAM					
3.85	-30	-16.89	-0.009749	Within authorized band for Band 4	Pass
	-20	-17.90	-0.010332		
	-10	-25.26	-0.014580		
	0	8.91	0.005143		
	10	7.65	0.004416		
	20	-10.94	-0.006315		
	30	-15.59	-0.008999		
	40	-3.08	-0.001778		
	50	-9.24	-0.005333		