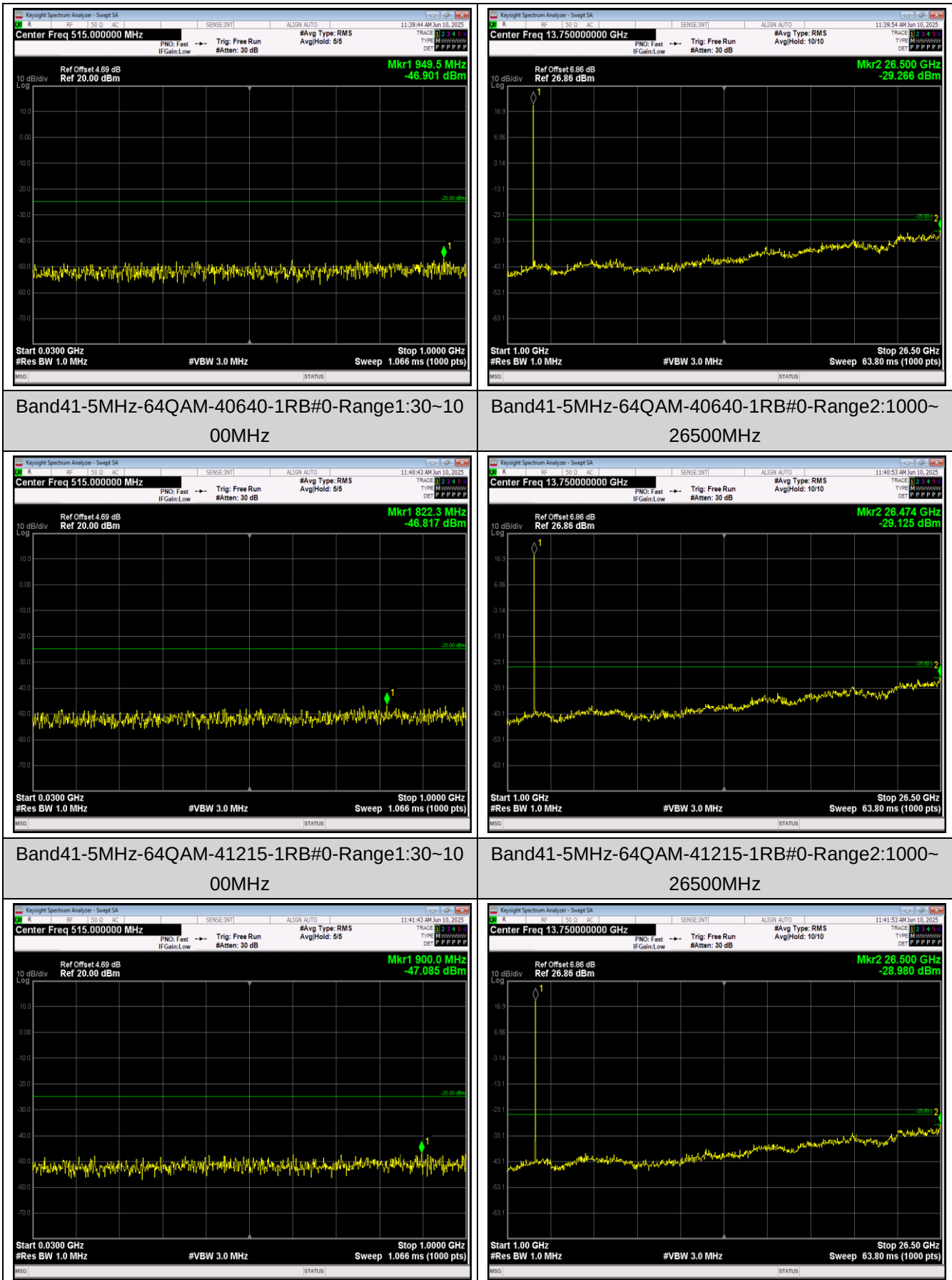
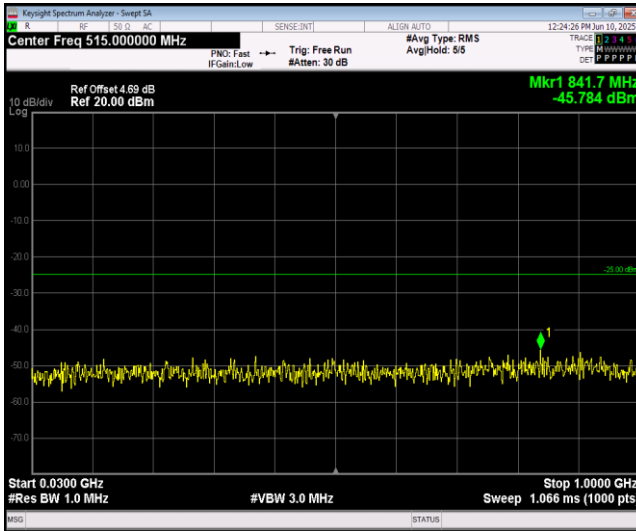
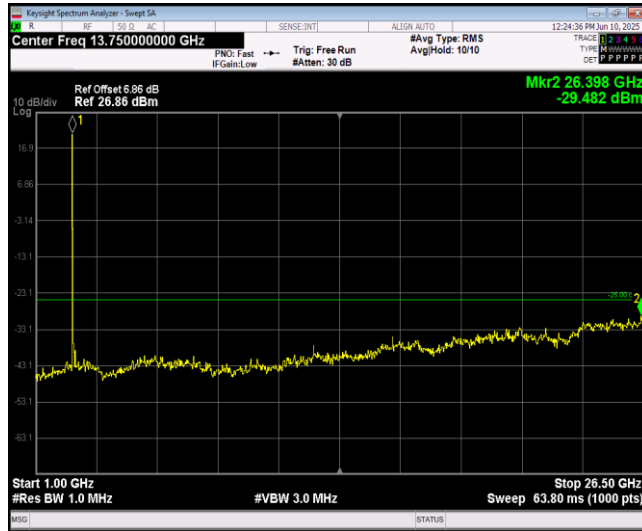




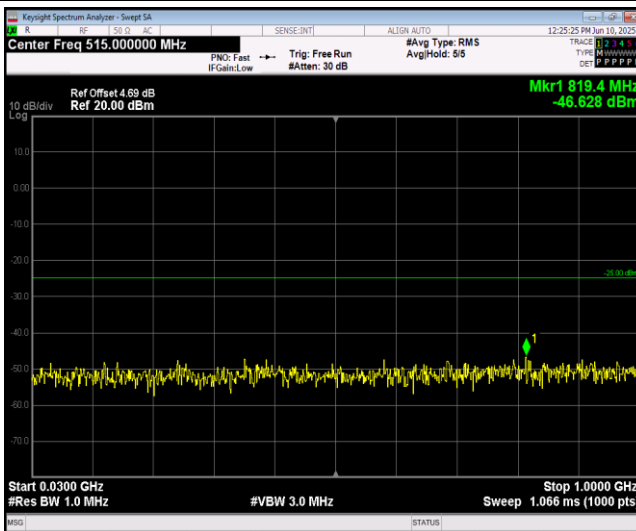
Band41-20MHz-QPSK-40140-1RB#0-Range1:30~1000MHz



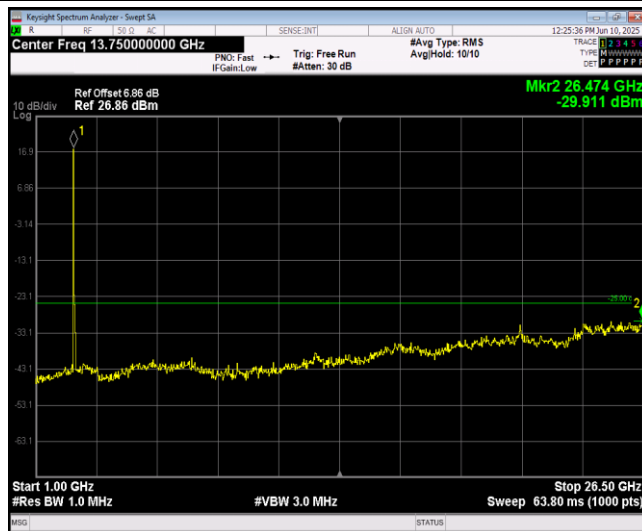
Band41-20MHz-QPSK-40140-1RB#0-Range2:1000~26500MHz



Band41-20MHz-QPSK-40640-1RB#0-Range1:30~1000MHz



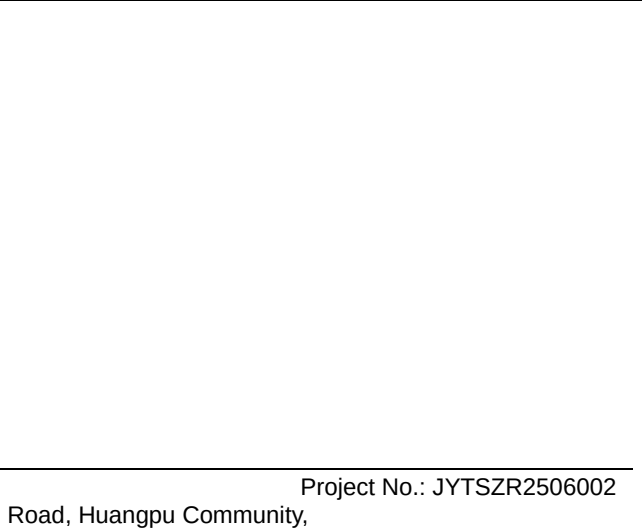
Band41-20MHz-QPSK-40640-1RB#0-Range2:1000~26500MHz

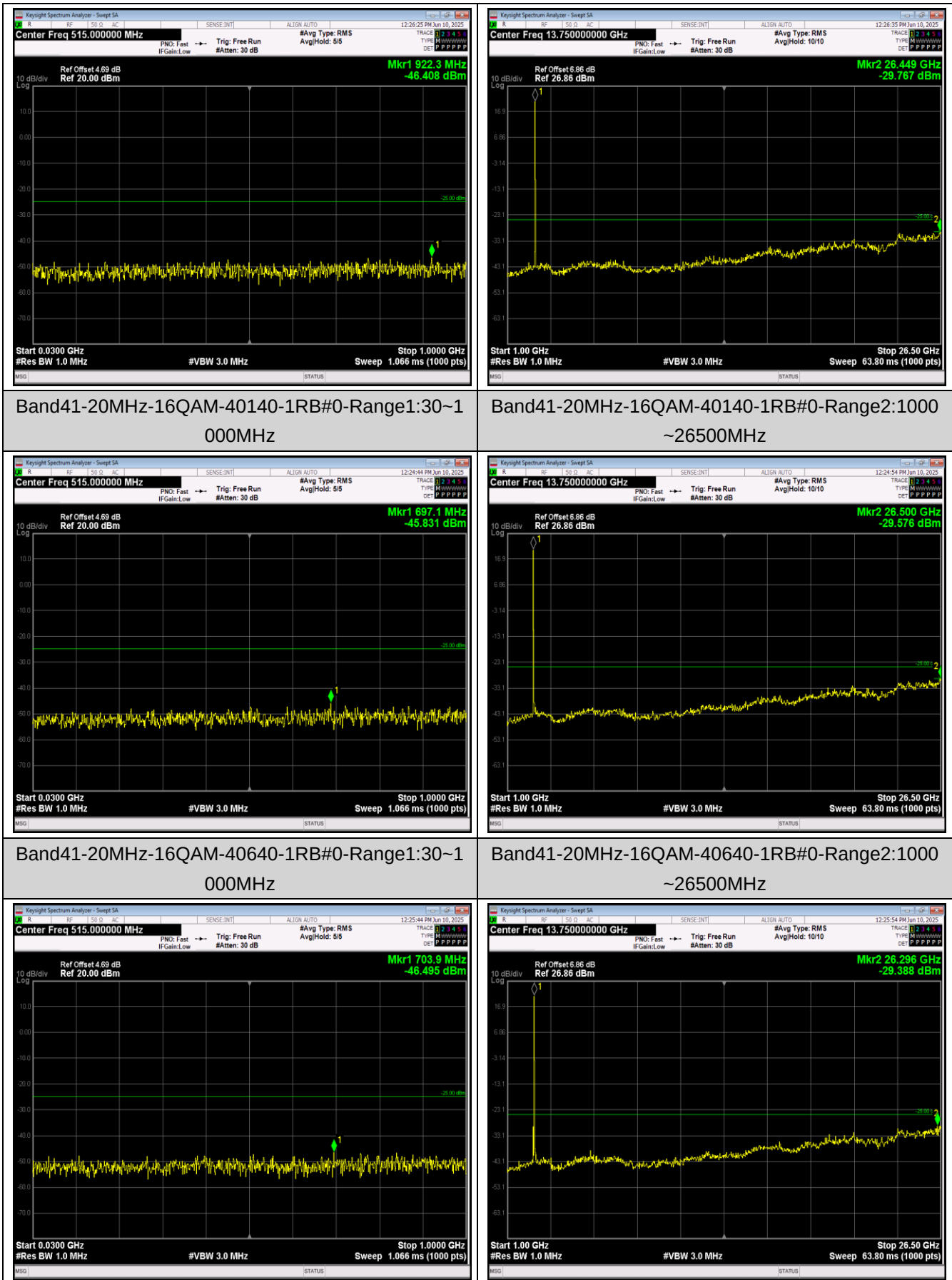


Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz



Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~26500MHz





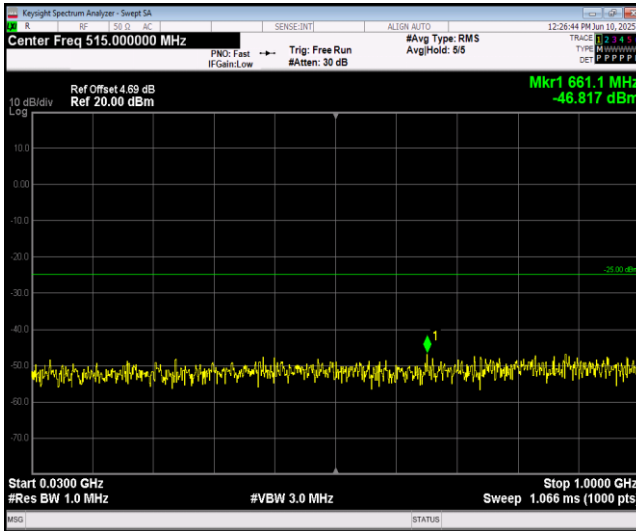
Band41-20MHz-16QAM-40140-1RB#0-Range1:30~1000MHz

Band41-20MHz-16QAM-40140-1RB#0-Range2:1000~26500MHz

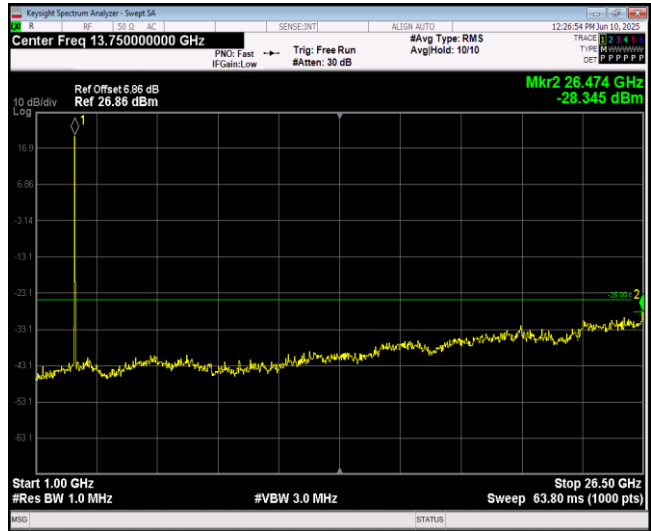
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Band41-20MHz-16QAM-40640-1RB#0-Range2:1000~26500MHz

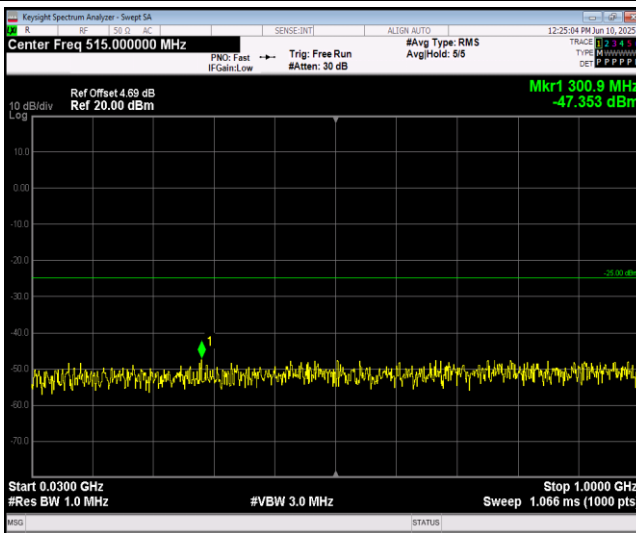
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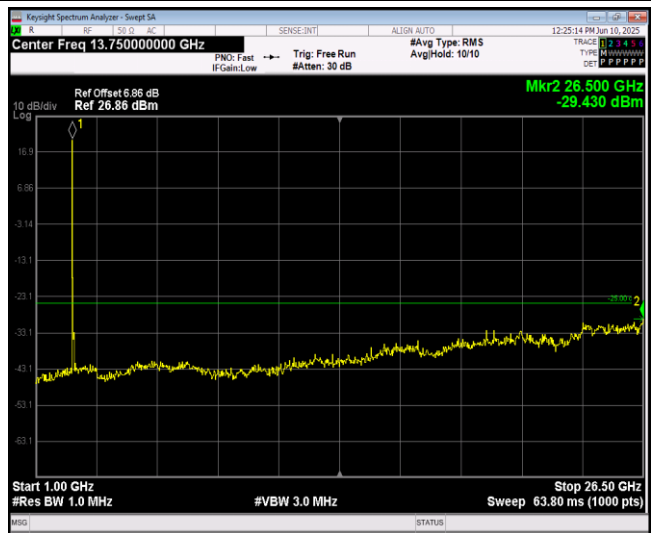
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~26500MHz



Band41-20MHz-64QAM-40140-1RB#0-Range1:30~1
000MHz



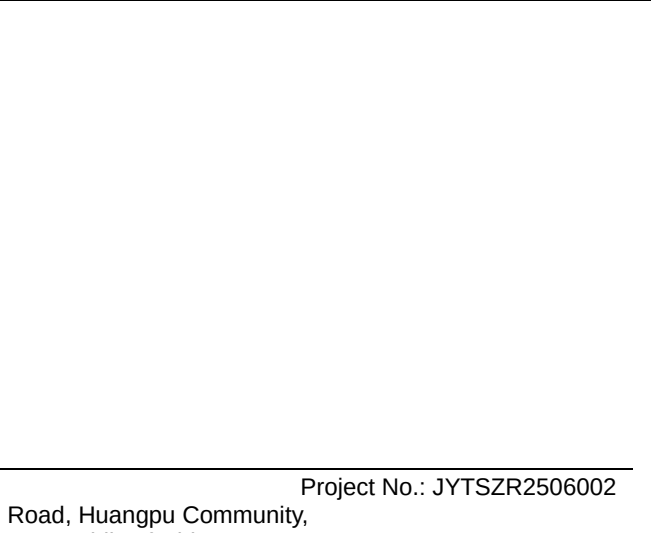
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~26500MHz

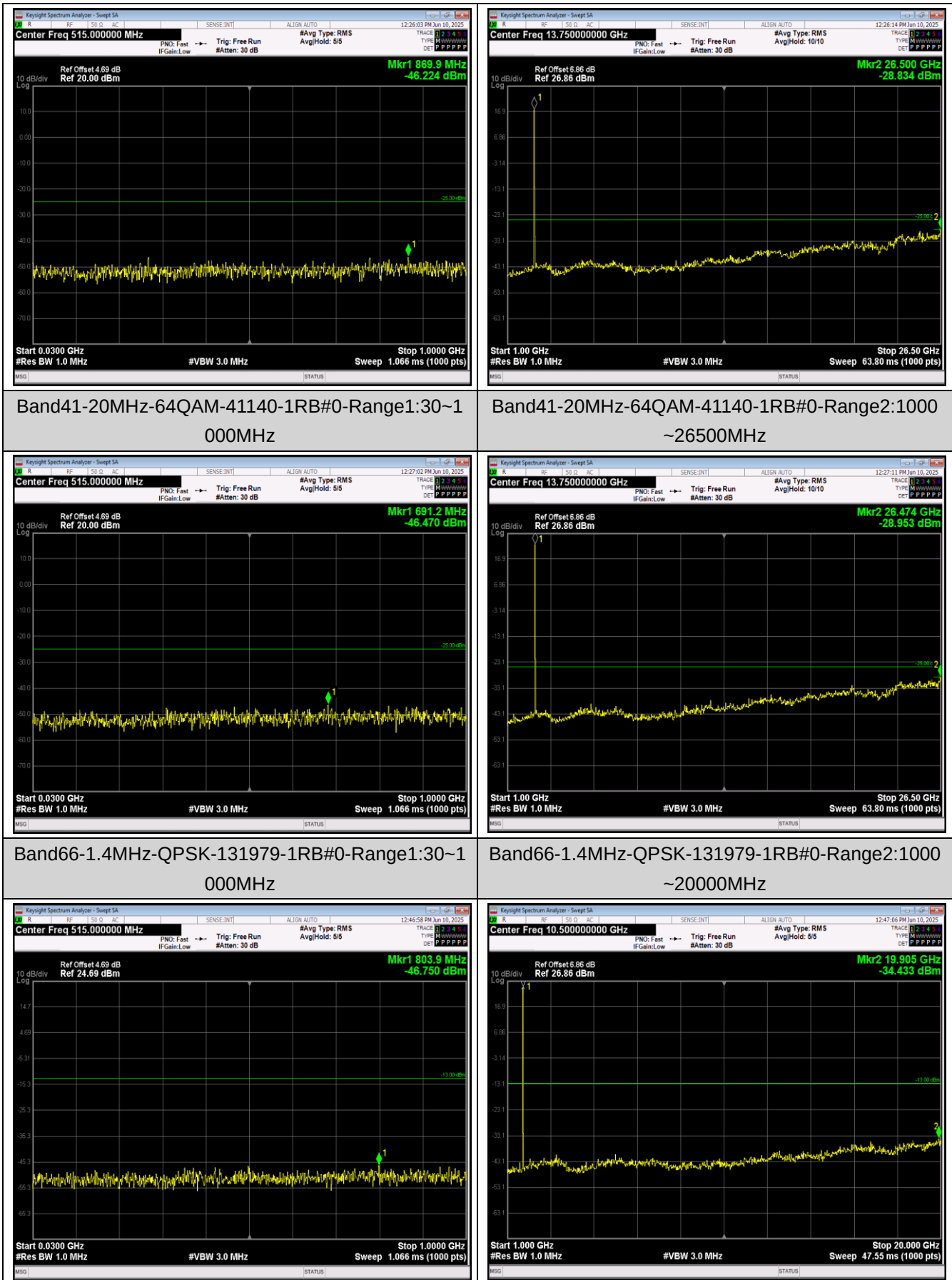


Band41-20MHz-64QAM-40640-1RB#0-Range1:30~1
000MHz

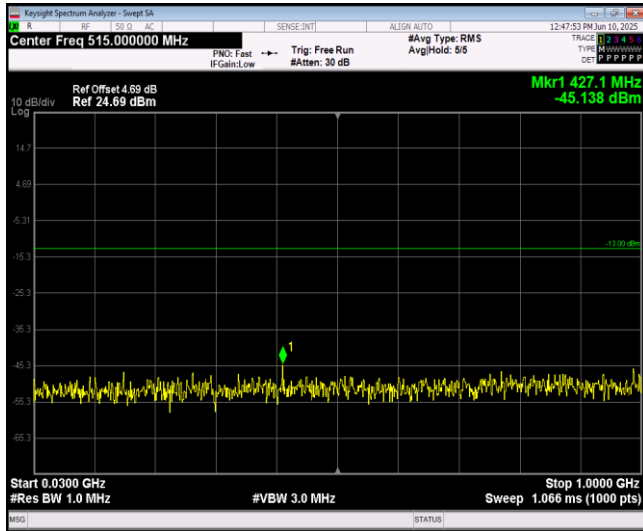


Band41-20MHz-64QAM-40640-1RB#0-Range2:1000
~26500MHz

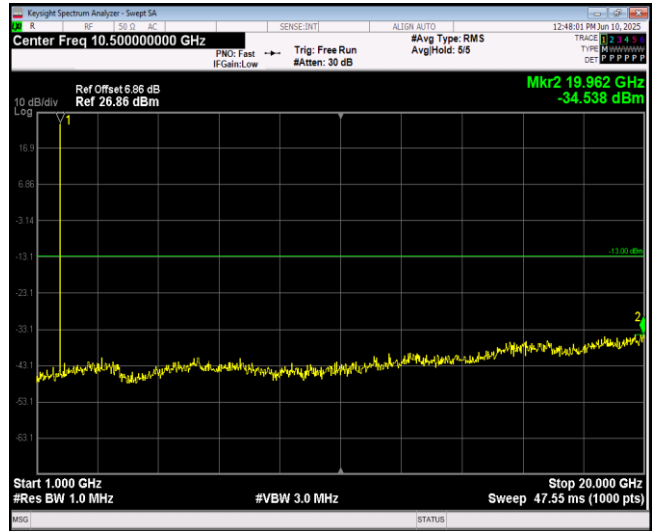




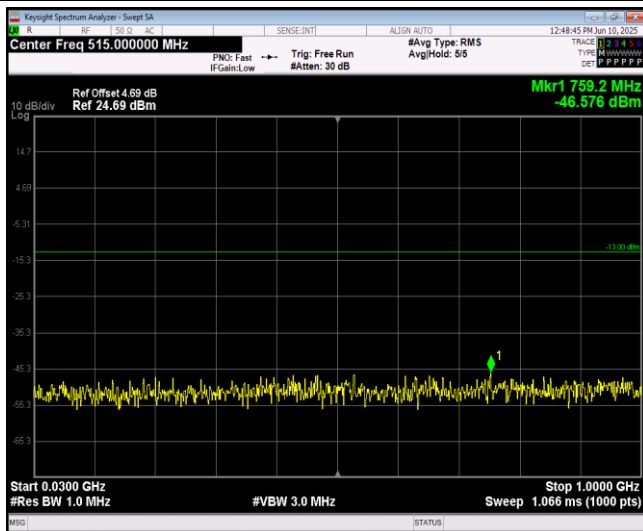
Band66-1.4MHz-QPSK-132322-1RB#0-Range1:30~1
000MHz



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



Band66-1.4MHz-QPSK-132665-1RB#0-Range1:30~1
000MHz

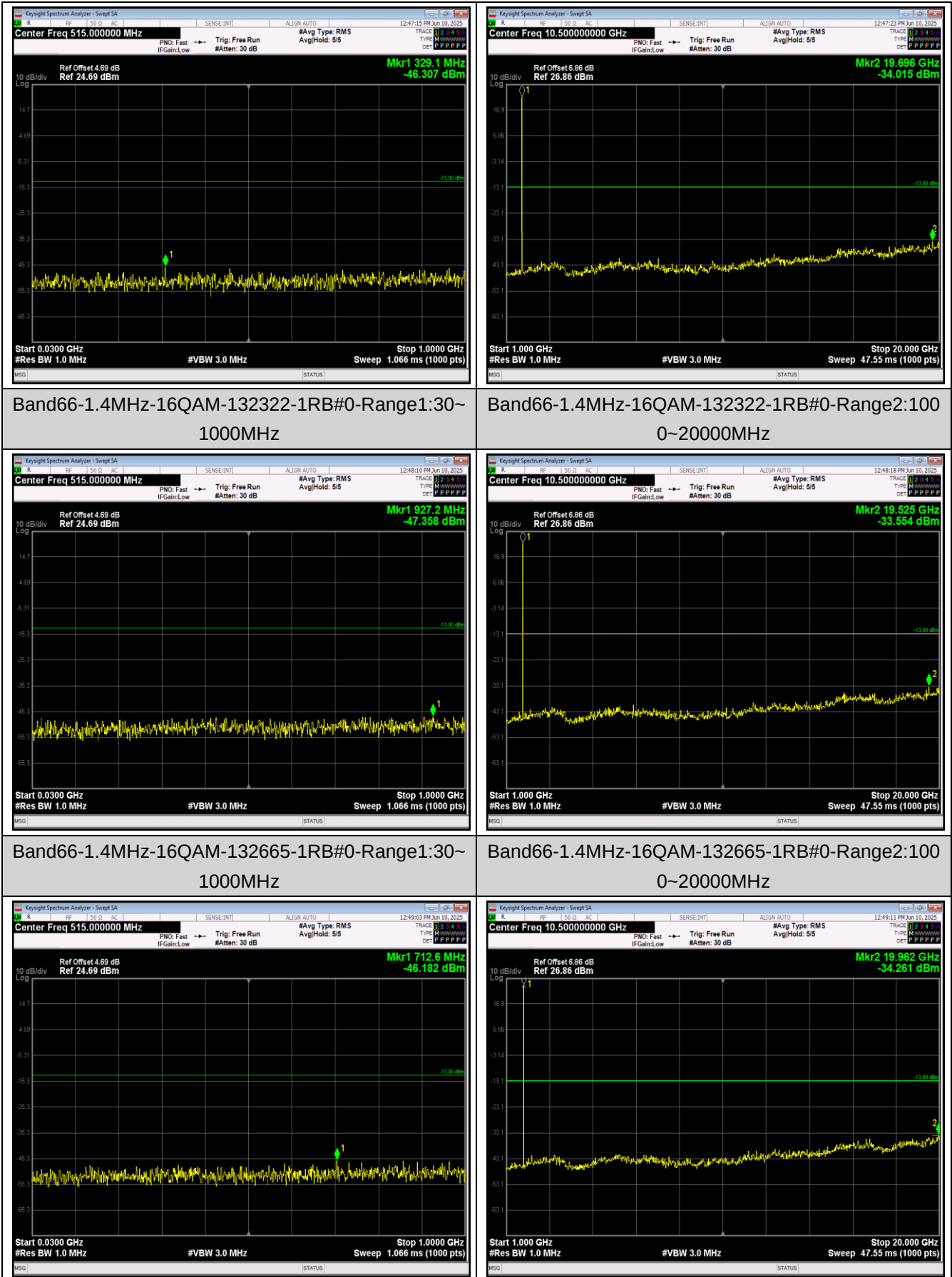


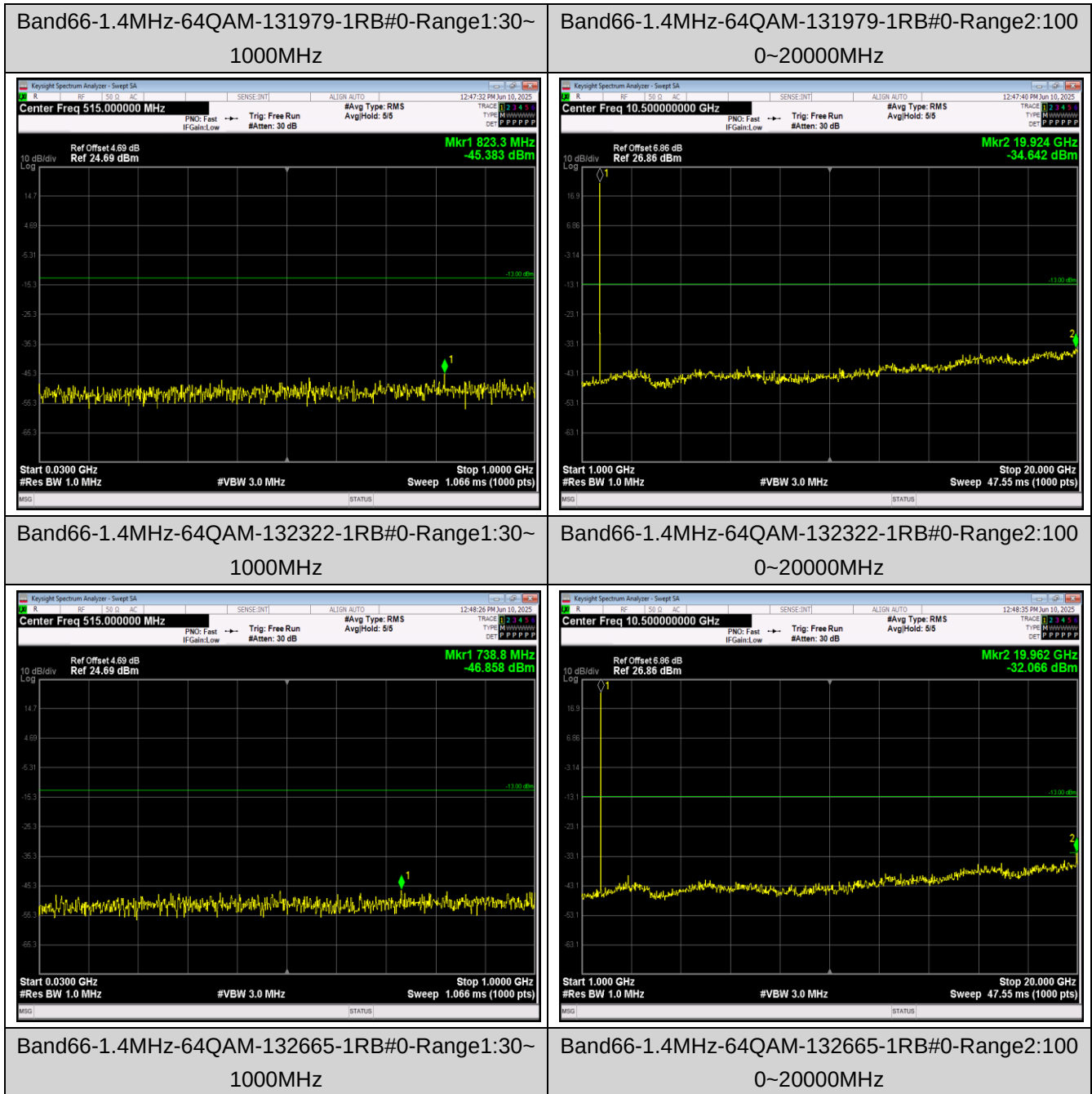
Band66-1.4MHz-QPSK-132665-1RB#0-Range2:1000
~20000MHz

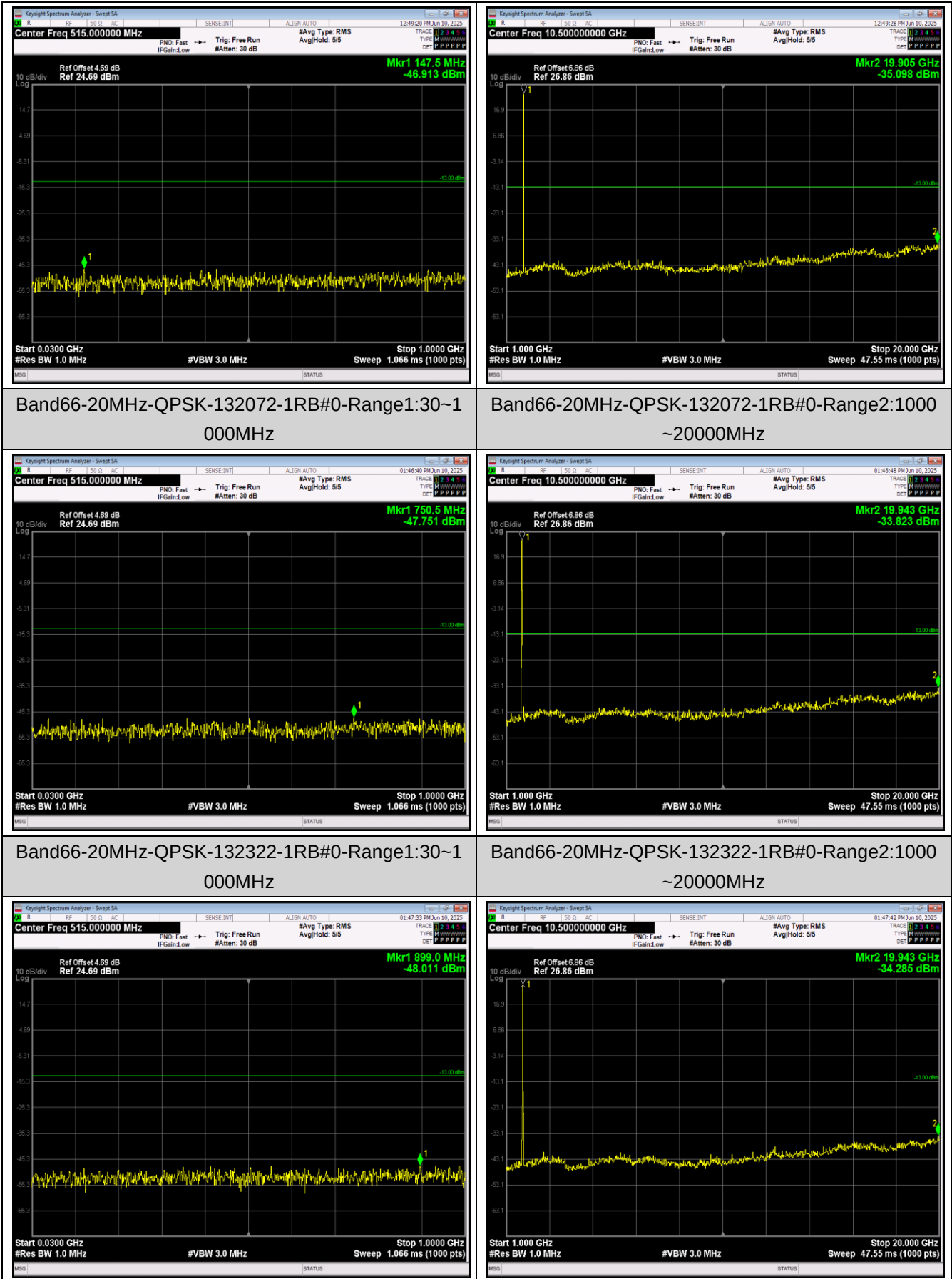


Band66-1.4MHz-16QAM-131979-1RB#0-Range1:30~
1000MHz

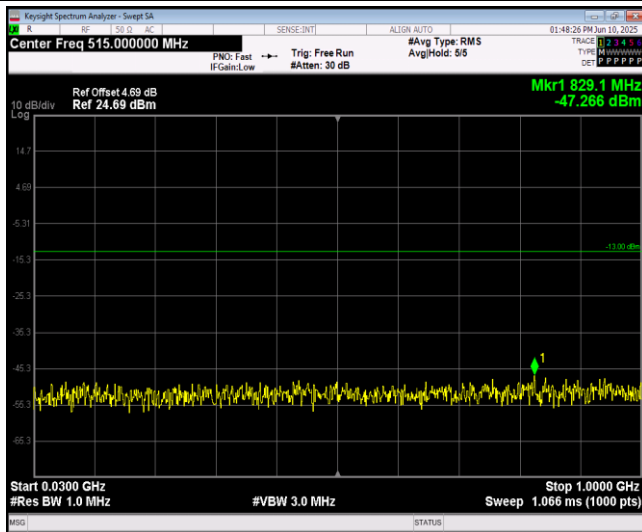
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0~20000MHz



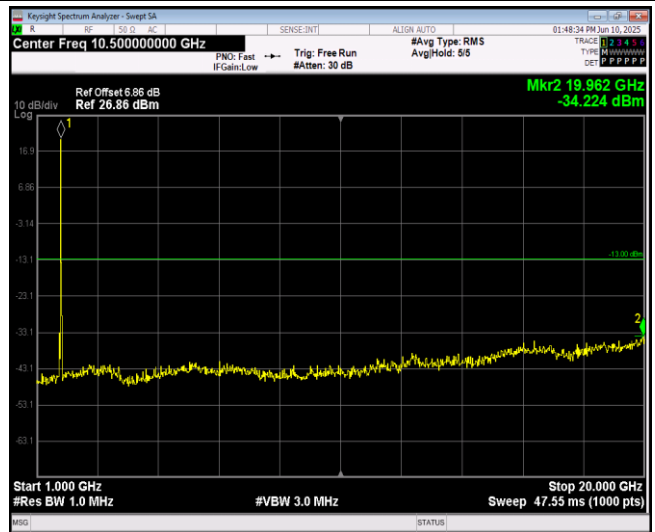




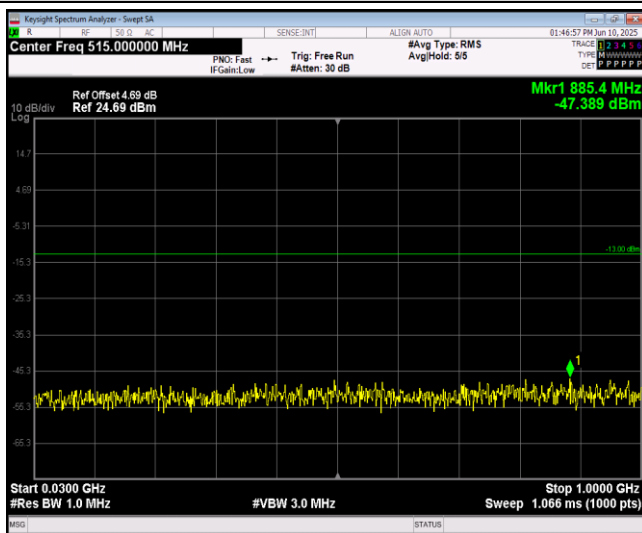
Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1
000MHz



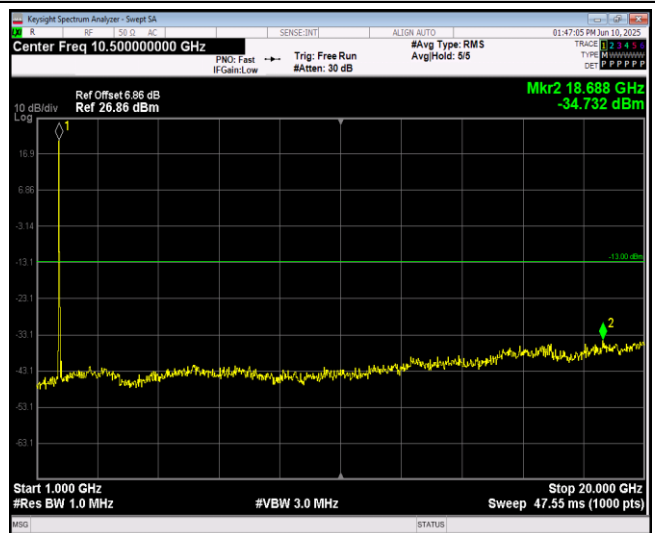
Band66-20MHz-QPSK-132572-1RB#0-Range2:1000
~20000MHz



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



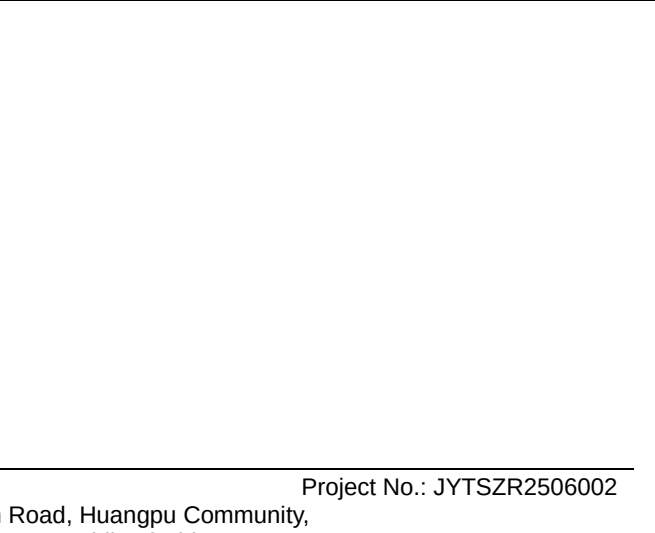
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0~20000MHz

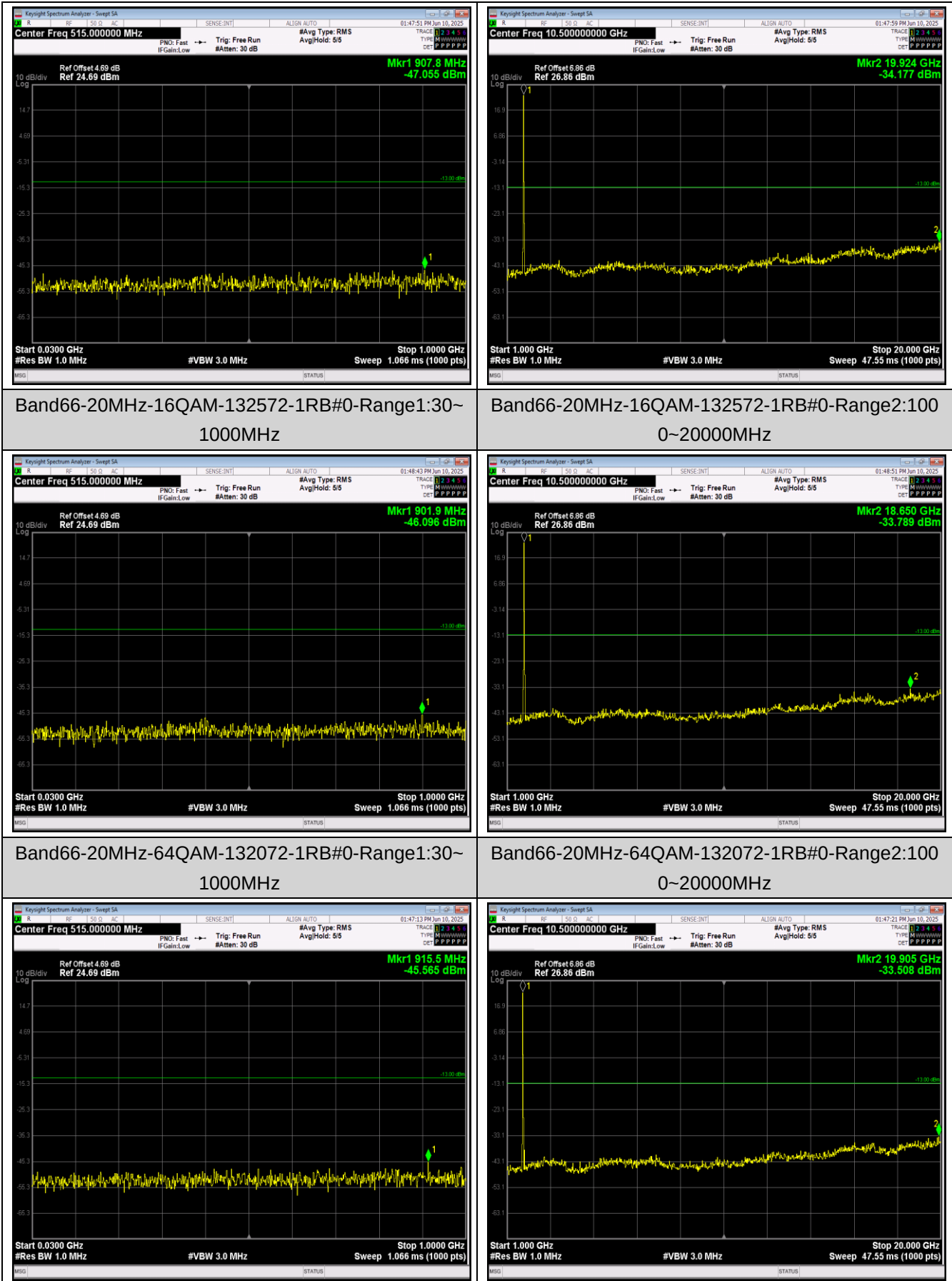


Band66-20MHz-16QAM-132322-1RB#0-Range1:30~
1000MHz

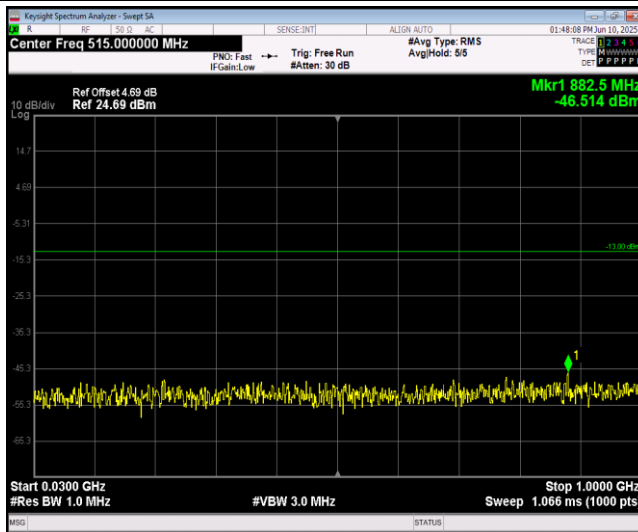


Band66-20MHz-16QAM-132322-1RB#0-Range2:100
0~20000MHz

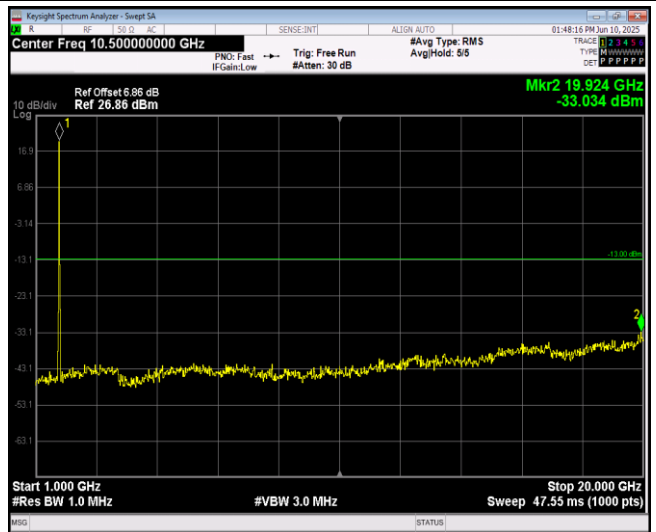




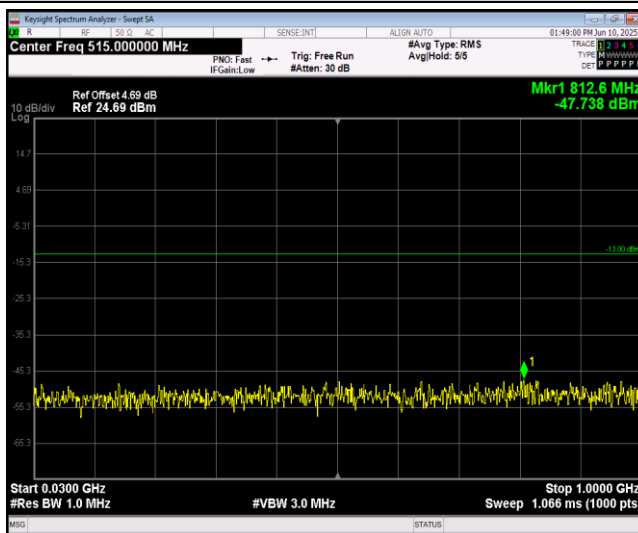
Band66-20MHz-64QAM-132322-1RB#0-Range1:30~
1000MHz



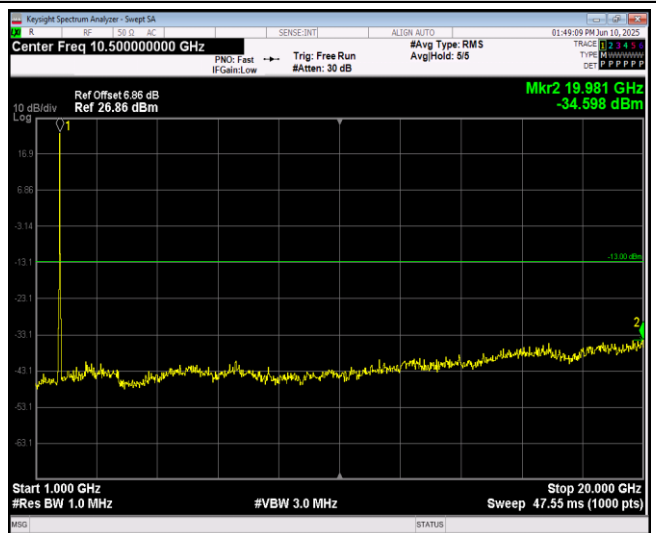
Band66-20MHz-64QAM-132322-1RB#0-Range2:100
0~20000MHz



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



Band66-20MHz-64QAM-132572-1RB#0-Range2:100
0~20000MHz



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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-25.75	-0.013697	Within authorized band for Band 2	Pass
	-20	-51.88	-0.027596		
	-10	29.74	0.015819		
	0	25.72	0.013681		
	10	24.79	0.013186		
	20	27.21	0.014473		
	30	-33.57	-0.017856		
	40	-47.32	-0.025170		
	50	-59.91	-0.031867		
16QAM					
3.85	-30	23.10	0.012287	Within authorized band for Band 2	Pass
	-20	27.02	0.014372		
	-10	51.27	0.027271		
	0	20.59	0.010952		
	10	41.89	0.022282		
	20	53.30	0.028351		
	30	70.28	0.037383		
	40	24.12	0.012830		
	50	37.14	0.019755		
64QAM					
3.85	-30	51.36	0.027319	Within authorized band for Band 2	Pass
	-20	48.48	0.025787		
	-10	35.16	0.018702		
	0	34.33	0.018261		
	10	43.42	0.023096		
	20	52.33	0.027835		
	30	44.39	0.023612		
	40	46.55	0.024761		
	50	-10.39	-0.005527		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	-34.26	-0.018223	Within authorized band for Band 2	Pass
	3.85	41.21	0.021920		
	4.40	-74.27	-0.039505		
16QAM					
25	3.60	26.58	0.014138	Within authorized band for Band 2	Pass
	3.85	-14.85	-0.007899		
	4.40	56.68	0.030149		
64QAM					
25	3.60	41.30	0.021968	Within authorized band for Band 2	Pass
	3.85	46.45	0.024707		
	4.40	43.73	0.023261		
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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-38.90	-0.022453	Within authorized band for Band 4	Pass
	-20	-27.37	-0.015798		
	-10	-20.74	-0.011971		
	0	-48.47	-0.027977		
	10	-18.01	-0.010395		
	20	-22.50	-0.012987		
	30	-30.86	-0.017812		
	40	-31.34	-0.018089		
	50	-36.94	-0.021322		
16QAM					
3.85	-30	37.72	0.021772	Within authorized band for Band 4	Pass
	-20	18.97	0.010949		
	-10	34.70	0.020029		
	0	26.66	0.015388		
	10	40.45	0.023348		
	20	30.87	0.017818		
	30	-15.42	-0.008900		
	40	17.91	0.010338		
	50	-16.95	-0.009784		
64QAM					
3.85	-30	33.32	0.019232	Within authorized band for Band 4	Pass
	-20	49.90	0.028802		
	-10	34.16	0.019717		
	0	43.44	0.025074		
	10	47.78	0.027579		
	20	18.87	0.010892		
	30	42.06	0.024277		
	40	45.59	0.026315		
	50	19.53	0.011273		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	23.43	0.013524	Within authorized band for Band 4	Pass
	3.85	32.50	0.018759		
	4.40	-46.94	-0.027094		
16QAM					
25	3.60	-13.03	-0.007521	Within authorized band for Band 4	Pass
	3.85	-23.63	-0.013639		
	4.40	15.12	0.008727		
64QAM					
25	3.60	31.49	0.018176	Within authorized band for Band 4	Pass
	3.85	16.75	0.009668		
	4.40	52.21	0.030136		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 5 part:

Reference Frequency: LTE Band 5(10MHz) Middle channel=20525 Frequency=836.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	27.38	0.032732	±2.5	Pass
	-20	29.41	0.035158		
	-10	27.52	0.032899		
	0	27.05	0.032337		
	10	26.79	0.032026		
	20	24.81	0.029659		
	30	21.86	0.026133		
	40	20.83	0.024901		
	50	16.77	0.020048		
16QAM					
3.85	-30	11.92	0.014250	±2.5	Pass
	-20	22.13	0.026455		
	-10	35.56	0.042510		
	0	48.28	0.057717		
	10	10.41	0.012445		
	20	14.02	0.016760		
	30	25.35	0.030305		
	40	26.81	0.032050		
	50	34.06	0.040717		
64QAM					
3.85	-30	55.53	0.066384	±2.5	Pass
	-20	27.39	0.032744		
	-10	26.82	0.032062		
	0	29.45	0.035206		
	10	29.08	0.034764		
	20	45.98	0.054967		
	30	48.59	0.058087		
	40	48.04	0.057430		
	50	50.28	0.060108		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	37.81	0.045200	±2.5	Pass
	3.85	11.43	0.013664		
	4.40	38.95	0.046563		
16QAM					
25	3.60	33.62	0.040191	±2.5	Pass
	3.85	15.78	0.018864		
	4.40	-6.84	-0.008177		
64QAM					
25	3.60	38.29	0.045774	±2.5	Pass
	3.85	37.34	0.044638		
	4.40	48.62	0.058123		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 7 part:

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-34.59	-0.013645	Within authorized band for Band 7	Pass
	-20	-26.26	-0.010359		
	-10	-48.35	-0.019073		
	0	-37.94	-0.014966		
	10	-49.80	-0.019645		
	20	19.08	0.007527		
	30	-20.54	-0.008103		
	40	-34.06	-0.013436		
	50	-57.36	-0.022627		
16QAM					
3.85	-30	-18.10	-0.007140	Within authorized band for Band 7	Pass
	-20	41.76	0.016473		
	-10	54.35	0.021440		
	0	40.71	0.016059		
	10	57.08	0.022517		
	20	55.22	0.021783		
	30	48.57	0.019160		
	40	55.86	0.022036		
	50	34.26	0.013515		
64QAM					
3.85	-30	32.70	0.012899	Within authorized band for Band 7	Pass
	-20	55.30	0.021815		
	-10	23.95	0.009448		
	0	25.52	0.010067		
	10	34.55	0.013629		
	20	62.87	0.024801		
	30	18.10	0.007140		
	40	71.28	0.028118		
	50	49.78	0.019637		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	23.57	0.009298	Within authorized band for Band 7	Pass
	3.85	51.48	0.020308		
	4.40	-54.43	-0.021471		
16QAM					
25	3.60	-29.21	-0.011523	Within authorized band for Band 7	Pass
	3.85	-61.17	-0.024130		
	4.40	67.92	0.026793		
64QAM					
25	3.60	13.75	0.005424	Within authorized band for Band 7	Pass
	3.85	27.84	0.010982		
	4.40	34.28	0.013523		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 12 part:

Reference Frequency: LTE Band 12(10MHz) Middle channel=23095 Frequency=707.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	18.34	0.025922	Within authorized band for Band 12	Pass
	-20	-4.91	-0.006940		
	-10	-13.80	-0.019505		
	0	-16.35	-0.023110		
	10	-17.31	-0.024466		
	20	-25.09	-0.035463		
	30	-35.16	-0.049696		
	40	-37.87	-0.053527		
	50	-41.77	-0.059039		
16QAM					
3.85	-30	-24.43	-0.034530	Within authorized band for Band 12	Pass
	-20	-17.61	-0.024890		
	-10	-11.93	-0.016862		
	0	6.38	0.009018		
	10	22.56	0.031887		
	20	20.17	0.028509		
	30	25.16	0.035562		
	40	33.59	0.047477		
	50	32.69	0.046205		
64QAM					
3.85	-30	45.19	0.063873	Within authorized band for Band 12	Pass
	-20	44.00	0.062191		
	-10	47.11	0.066587		
	0	51.43	0.072693		
	10	53.64	0.075816		
	20	51.26	0.072452		
	30	53.37	0.075435		
	40	49.38	0.069795		
	50	49.92	0.070558		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	44.60	0.063039	Within authorized band for Band 12	Pass
	3.85	32.87	0.046459		
	4.40	34.56	0.048848		
16QAM					
25	3.60	-31.59	-0.044650	Within authorized band for Band 12	Pass
	3.85	-34.99	-0.049456		
	4.40	-29.53	-0.041739		
64QAM					
25	3.60	41.03	0.057993	Within authorized band for Band 12	Pass
	3.85	42.21	0.059661		
	4.40	41.44	0.058572		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 17 part:

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 Frequency=710.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	3.00	0.004225	Within authorized band for Band 17	Pass
	-20	3.60	0.005070		
	-10	2.78	0.003915		
	0	-2.42	-0.003408		
	10	-3.68	-0.005183		
	20	-4.13	-0.005817		
	30	3.23	0.004549		
	40	2.68	0.003775		
	50	3.69	0.005197		
16QAM					
3.85	-30	-11.26	-0.015859	Within authorized band for Band 17	Pass
	-20	-15.59	-0.021958		
	-10	-16.58	-0.023352		
	0	-51.37	-0.072352		
	10	-28.71	-0.040437		
	20	-9.63	-0.013563		
	30	-22.42	-0.031577		
	40	-45.83	-0.064549		
	50	-12.15	-0.017113		
64QAM					
3.85	-30	-7.93	-0.011169	Within authorized band for Band 17	Pass
	-20	-14.71	-0.020718		
	-10	-15.58	-0.021944		
	0	-19.90	-0.028028		
	10	-27.39	-0.038577		
	20	-29.75	-0.041901		
	30	-35.20	-0.049577		
	40	-31.30	-0.044085		
	50	-41.36	-0.058254		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	2.78	0.003915	Within authorized band for Band 17	Pass
	3.85	-4.21	-0.005930		
	4.40	3.16	0.004451		
16QAM					
25	3.60	-35.61	-0.050155	Within authorized band for Band 17	Pass
	3.85	-19.56	-0.027549		
	4.40	-10.49	-0.014775		
64QAM					
25	3.60	-33.49	-0.047169	Within authorized band for Band 17	Pass
	3.85	-18.85	-0.026549		
	4.40	-45.73	-0.064408		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 26 part:

Reference Frequency: LTE Band 26(10MHz) Middle channel=26740 Frequency=819.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	26.89	0.032833	Within authorized band for Band 26	Pass
	-20	9.77	0.011929		
	-10	13.46	0.016435		
	0	15.05	0.018376		
	10	19.40	0.023687		
	20	25.76	0.031453		
	30	29.17	0.035617		
	40	37.39	0.045653		
	50	40.68	0.049670		
16QAM					
3.85	-30	45.00	0.054945	Within authorized band for Band 26	Pass
	-20	7.30	0.008913		
	-10	15.74	0.019219		
	0	31.61	0.038596		
	10	40.27	0.049170		
	20	40.15	0.049023		
	30	40.25	0.049145		
	40	43.56	0.053187		
	50	5.09	0.006215		
64QAM					
3.85	-30	47.51	0.058010	Within authorized band for Band 26	Pass
	-20	-11.27	-0.013761		
	-10	7.74	0.009451		
	0	12.97	0.015836		
	10	10.76	0.013138		
	20	11.06	0.013504		
	30	19.24	0.023492		
	40	26.25	0.032051		
	50	31.87	0.038913		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	26.87	0.032808	Within authorized band for Band 26	Pass
	3.85	20.93	0.025556		
	4.40	31.69	0.038694		
16QAM					
25	3.60	10.37	0.012662	Within authorized band for Band 26	Pass
	3.85	45.69	0.055788		
	4.40	28.72	0.035067		
64QAM					
25	3.60	31.83	0.038864	Within authorized band for Band 26	Pass
	3.85	14.42	0.017607		
	4.40	42.14	0.051453		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 26 part:

Reference Frequency: LTE Band 26(10MHz) Middle channel=26915 Frequency=836.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-22.23	-0.026575	Within authorized band for Band 26	Pass
	-20	-39.64	-0.047388		
	-10	-51.05	-0.061028		
	0	-17.71	-0.021172		
	10	-38.65	-0.046204		
	20	-54.09	-0.064662		
	30	-14.72	-0.017597		
	40	-20.74	-0.024794		
	50	-34.32	-0.041028		
16QAM					
3.85	-30	-23.03	-0.027531	Within authorized band for Band 26	Pass
	-20	-20.93	-0.025021		
	-10	5.09	0.006085		
	0	-7.97	-0.009528		
	10	6.90	0.008249		
	20	8.00	0.009564		
	30	-12.00	-0.014345		
	40	-9.74	-0.011644		
	50	12.63	0.015099		
64QAM					
3.85	-30	20.54	0.024555	Within authorized band for Band 26	Pass
	-20	24.99	0.029874		
	-10	18.11	0.021650		
	0	9.07	0.010843		
	10	26.61	0.031811		
	20	17.34	0.020729		
	30	11.82	0.014130		
	40	12.26	0.014656		
	50	-9.54	-0.011405		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	-11.90	-0.014226	Within authorized band for Band 26	Pass
	3.85	44.15	0.052779		
	4.40	-48.15	-0.057561		
16QAM					
25	3.60	-28.04	-0.033521	Within authorized band for Band 26	Pass
	3.85	-34.85	-0.041662		
	4.40	-24.88	-0.029743		
64QAM					
25	3.60	18.04	0.021566	Within authorized band for Band 26	Pass
	3.85	15.76	0.018840		
	4.40	14.52	0.017358		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 38 part:

Reference Frequency: LTE Band 38(10MHz) Middle channel=38000 Frequency=2595.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-47.95	-0.018478	Within authorized band for Band 38	Pass
	-20	11.09	0.004274		
	-10	-41.53	-0.016004		
	0	-50.97	-0.019642		
	10	-24.85	-0.009576		
	20	-59.62	-0.022975		
	30	-33.23	-0.012805		
	40	-50.61	-0.019503		
	50	18.64	0.007183		
16QAM					
3.85	-30	26.25	0.010116	Within authorized band for Band 38	Pass
	-20	58.04	0.022366		
	-10	21.49	0.008281		
	0	45.79	0.017645		
	10	63.82	0.024593		
	20	34.52	0.013303		
	30	54.95	0.021175		
	40	17.02	0.006559		
	50	24.86	0.009580		
64QAM					
3.85	-30	45.10	0.017380	Within authorized band for Band 38	Pass
	-20	-23.07	-0.008890		
	-10	42.27	0.016289		
	0	38.81	0.014956		
	10	41.03	0.015811		
	20	51.26	0.019753		
	30	52.19	0.020112		
	40	58.75	0.022640		
	50	17.80	0.006859		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	33.56	0.012933	Within authorized band for Band 38	Pass
	3.85	30.53	0.011765		
	4.40	-50.43	-0.019434		
16QAM					
25	3.60	-18.68	-0.007198	Within authorized band for Band 38	Pass
	3.85	-27.62	-0.010644		
	4.40	18.75	0.007225		
64QAM					
25	3.60	56.49	0.021769	Within authorized band for Band 38	Pass
	3.85	34.15	0.013160		
	4.40	68.79	0.026509		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 41 part:

Reference Frequency: LTE Band 41 (10MHz) Middle channel=40640 Frequency=2595.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	51.68	0.019915	Within authorized band for Band 41	Pass
	-20	49.17	0.018948		
	-10	37.88	0.014597		
	0	43.46	0.016748		
	10	34.86	0.013434		
	20	37.55	0.014470		
	30	38.32	0.014767		
	40	-22.53	-0.008682		
	50	-31.59	-0.012173		
16QAM					
3.85	-30	65.60	0.025279	Within authorized band for Band 41	Pass
	-20	38.88	0.014983		
	-10	-24.73	-0.009530		
	0	46.46	0.017904		
	10	51.33	0.019780		
	20	59.44	0.022906		
	30	58.25	0.022447		
	40	35.62	0.013726		
	50	48.21	0.018578		
64QAM					
3.85	-30	49.65	0.019133	Within authorized band for Band 41	Pass
	-20	-16.87	-0.006501		
	-10	19.13	0.007372		
	0	33.56	0.012933		
	10	58.02	0.022358		
	20	30.47	0.011742		
	30	49.28	0.018990		
	40	31.93	0.012304		
	50	64.46	0.024840		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	59.75	0.023025	Within authorized band for Band 41	Pass
	3.85	25.72	0.009911		
	4.40	33.76	0.013010		
16QAM					
25	3.60	33.67	0.012975	Within authorized band for Band41	Pass
	3.85	23.47	0.009044		
	4.40	46.19	0.017800		
64QAM					
25	3.60	-24.95	-0.009615	Within authorized band for Band41	Pass
	3.85	33.52	0.012917		
	4.40	27.48	0.010590		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 66 part:

Reference Frequency: LTE Band 66 (10MHz) Middle channel=132322 Frequency=1745.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-48.34	-0.027702	Within authorized band for Band 66	Pass
	-20	-31.20	-0.017880		
	-10	13.60	0.007794		
	0	-20.01	-0.011467		
	10	-39.18	-0.022453		
	20	-11.19	-0.006413		
	30	-35.00	-0.020057		
	40	-42.86	-0.024562		
	50	-15.12	-0.008665		
16QAM					
3.85	-30	52.64	0.030166	Within authorized band for Band 66	Pass
	-20	31.01	0.017771		
	-10	40.60	0.023266		
	0	20.47	0.011731		
	10	49.64	0.028447		
	20	30.10	0.017249		
	30	38.77	0.022218		
	40	55.33	0.031708		
	50	17.91	0.010264		
64QAM					
3.85	-30	-13.83	-0.007926	Within authorized band for Band 66	Pass
	-20	-17.25	-0.009885		
	-10	29.37	0.016831		
	0	-15.08	-0.008642		
	10	15.91	0.009117		
	20	20.99	0.012029		
	30	16.01	0.009175		
	40	29.87	0.017117		
	50	36.65	0.021003		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.60	38.21	0.021897	Within authorized band for Band 66	Pass
	3.85	44.25	0.025358		
	4.40	-18.24	-0.010453		
16QAM					
25	3.60	18.94	0.010854	Within authorized band for Band 66	Pass
	3.85	-28.32	-0.016229		
	4.40	29.10	0.016676		
64QAM					
25	3.60	43.64	0.025009	Within authorized band for Band 66	Pass
	3.85	22.47	0.012877		
	4.40	49.32	0.028264		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS
Band2	20MHz	64QAM	18900	100RB#0	PASS	PASS
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	64QAM	20175	100RB#0	PASS	PASS
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS
Band5	10MHz	64QAM	20525	50RB#0	PASS	PASS
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS
Band7	20MHz	64QAM	21100	100RB#0	PASS	PASS
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS
Band12	10MHz	64QAM	23095	50RB#0	PASS	PASS
Band17	10MHz	QPSK	23790	50RB#0	PASS	PASS
Band17	10MHz	16QAM	23790	50RB#0	PASS	PASS
Band17	10MHz	64QAM	23790	50RB#0	PASS	PASS
Band26	10MHz	QPSK	26740	50RB#0	PASS	PASS
Band26	10MHz	16QAM	26740	50RB#0	PASS	PASS
Band26	10MHz	64QAM	26740	50RB#0	PASS	PASS
Band26	15MHz	QPSK	26915	75RB#0	PASS	PASS
Band26	15MHz	16QAM	26915	75RB#0	PASS	PASS
Band26	15MHz	64QAM	26915	75RB#0	PASS	PASS
Band38	20MHz	QPSK	38000	100RB#0	PASS	PASS
Band38	20MHz	16QAM	38000	100RB#0	PASS	PASS
Band38	20MHz	64QAM	38000	100RB#0	PASS	PASS
Band41	20MHz	QPSK	40640	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40640	100RB#0	PASS	PASS
Band41	20MHz	64QAM	40640	100RB#0	PASS	PASS
Band66	20MHz	QPSK	132322	100RB#0	PASS	PASS
Band66	20MHz	16QAM	132322	100RB#0	PASS	PASS
Band66	20MHz	64QAM	132322	100RB#0	PASS	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

