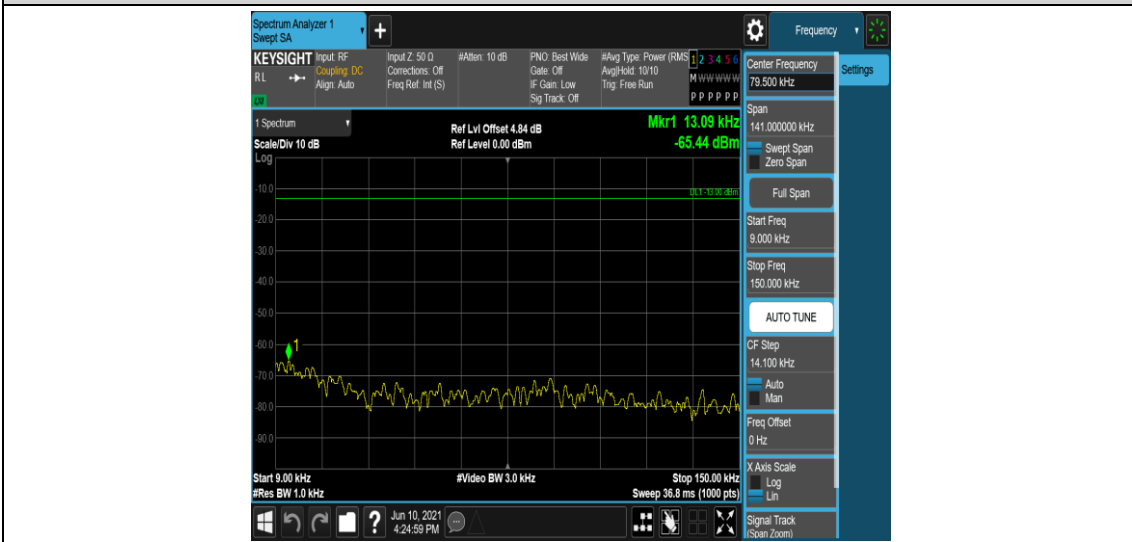




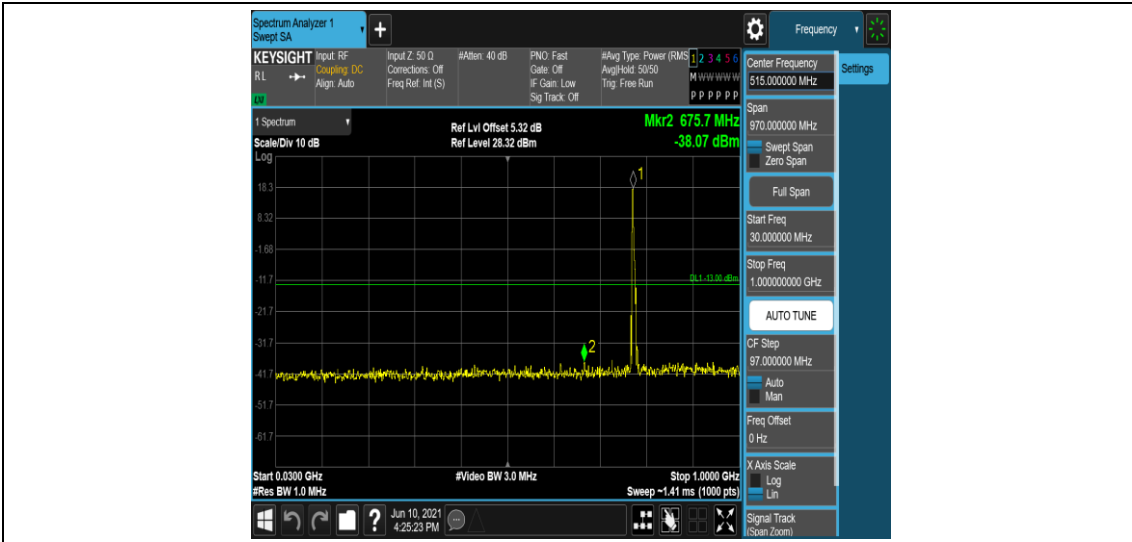
Band13-5MHz-16QAM-23205-1RB#0-Range1:0.009~0.15MHz



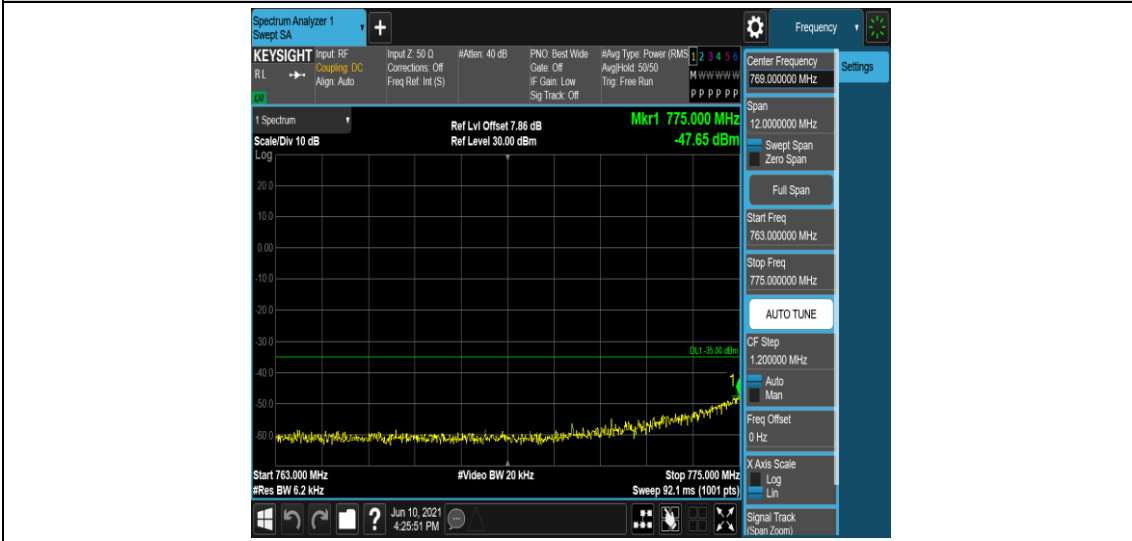
Band13-5MHz-16QAM-23205-1RB#0-Range2:0.15~30MHz



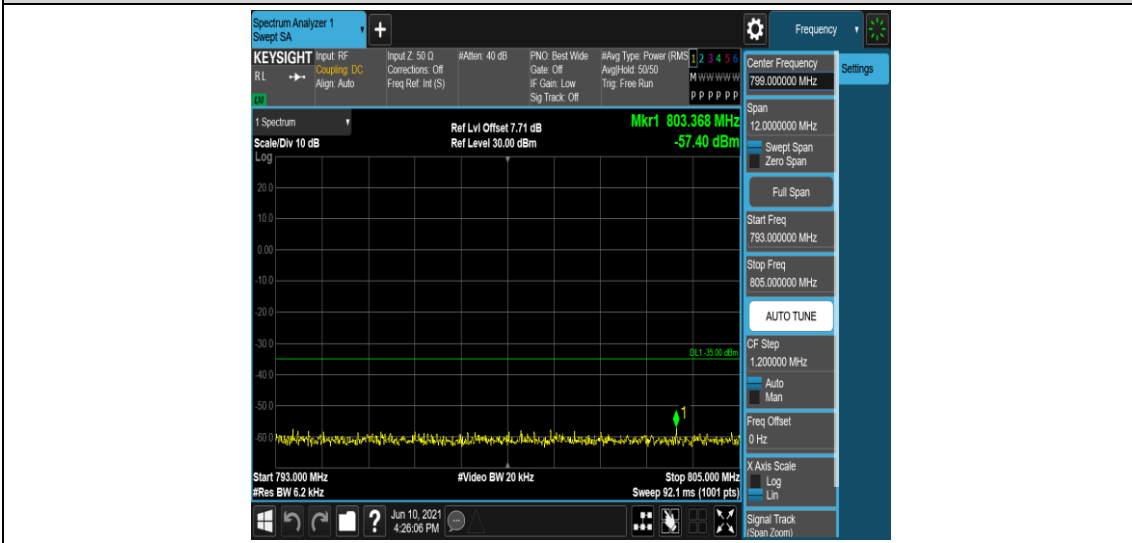
Band13-5MHz-16QAM-23205-1RB#0-Range3:30~1000MHz



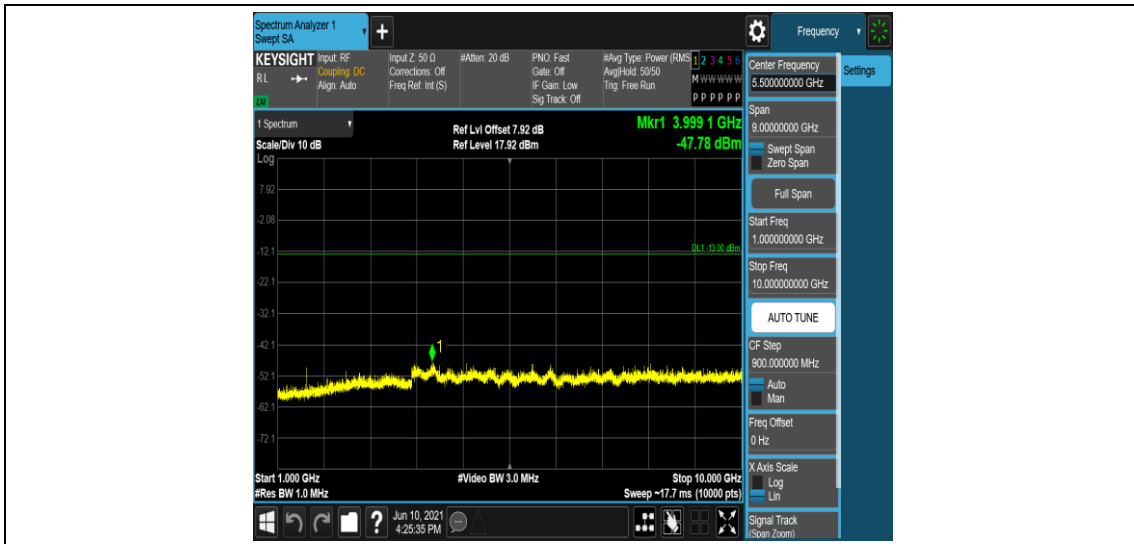
Band13-5MHz-16QAM-23205-1RB#0-Range5:763~775MHz



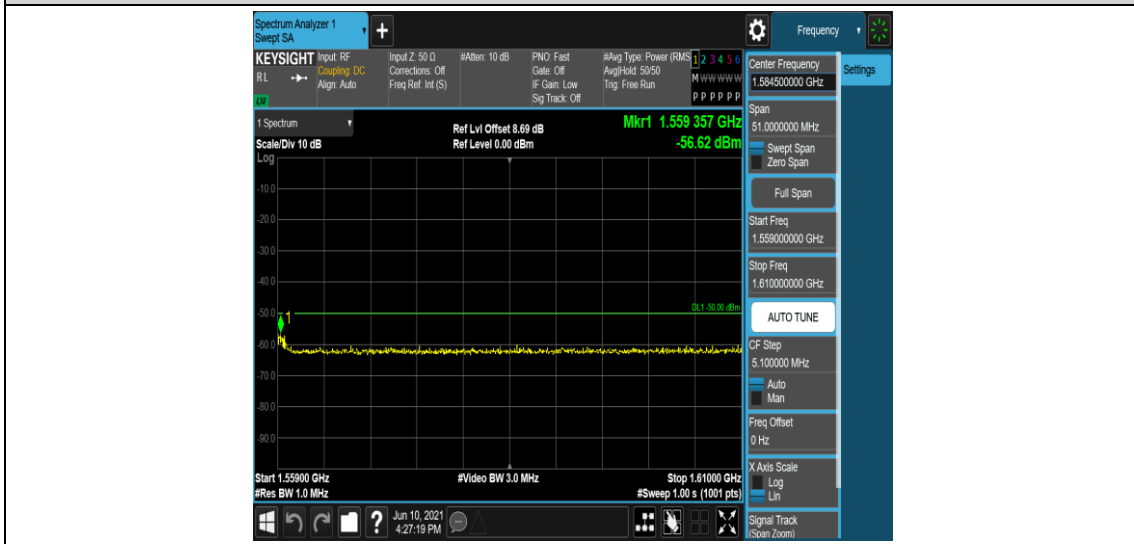
Band13-5MHz-16QAM-23205-1RB#0-Range6:793~805MHz



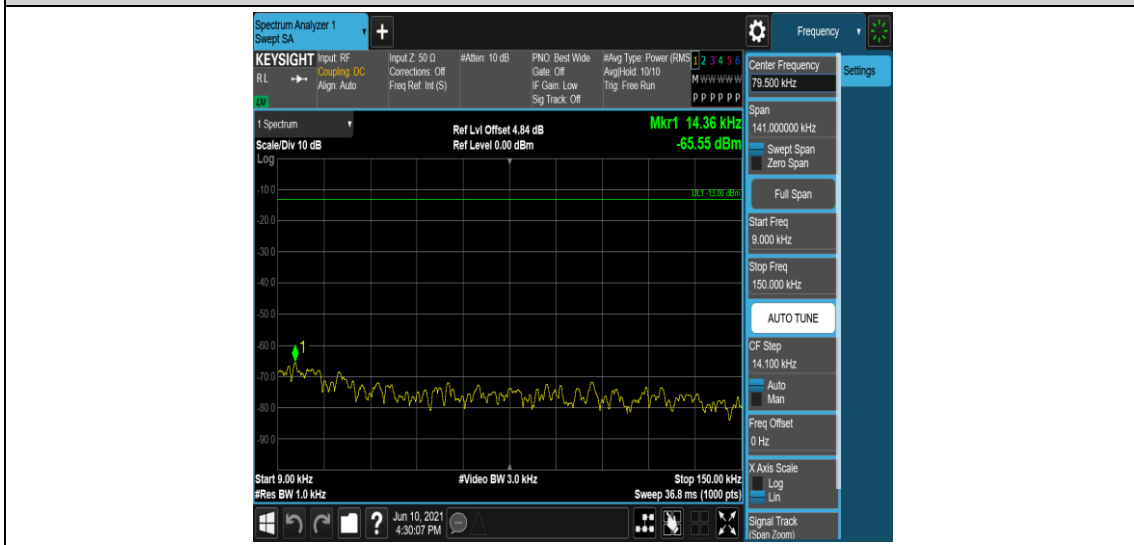
Band13-5MHz-16QAM-23205-1RB#0-Range4:1000~1000MHz



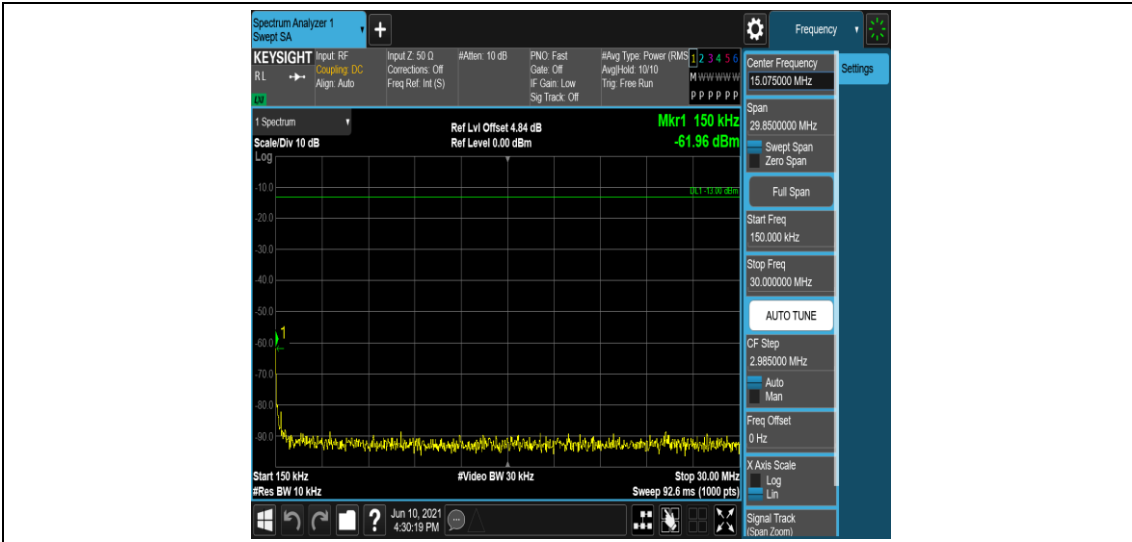
Band13-5MHz-16QAM-23205-1RB#0-Range7:1559~1610MHz



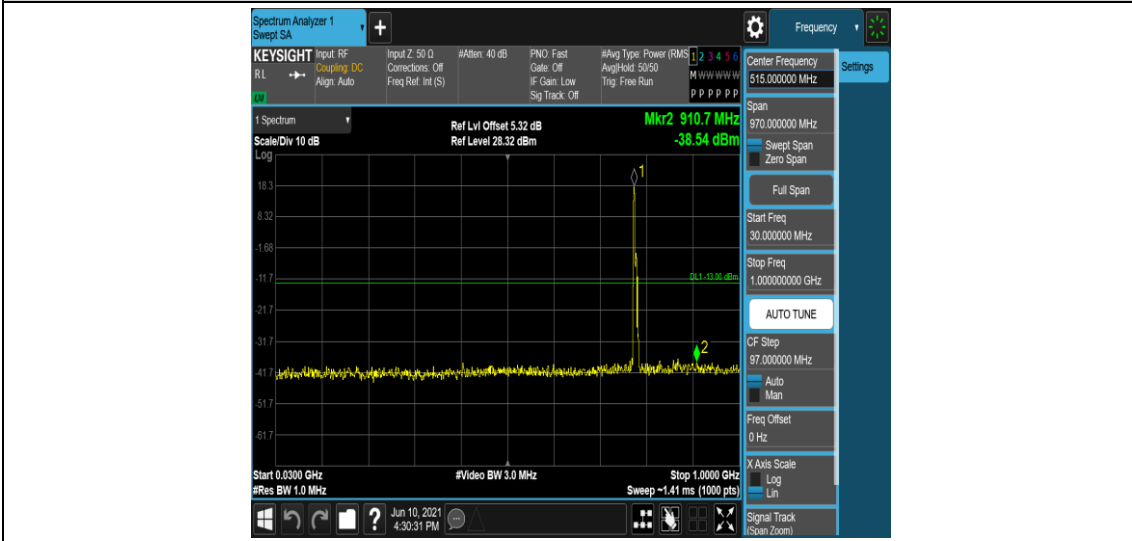
Band13-5MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



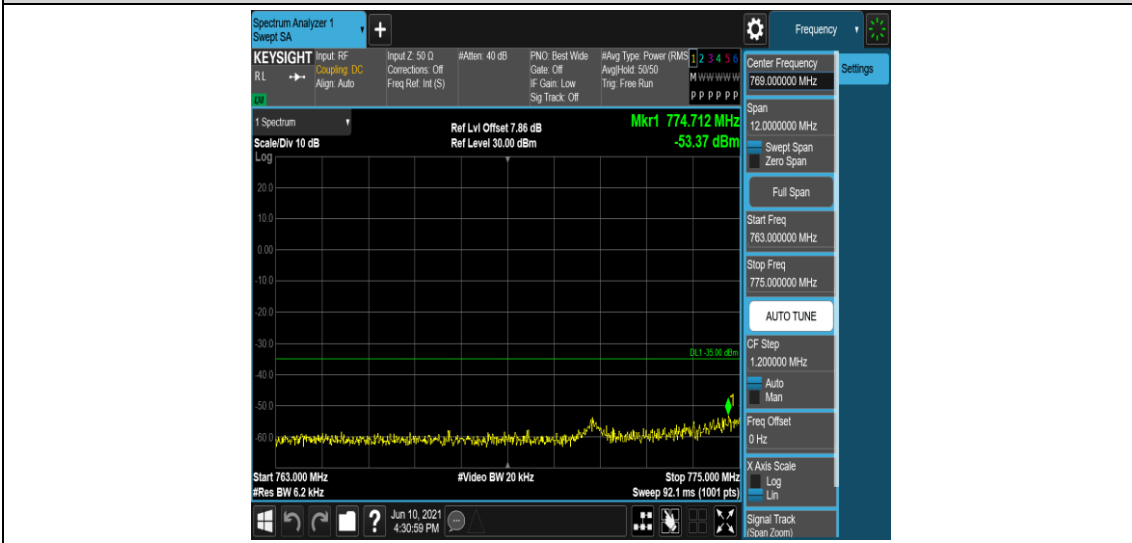
Band13-5MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



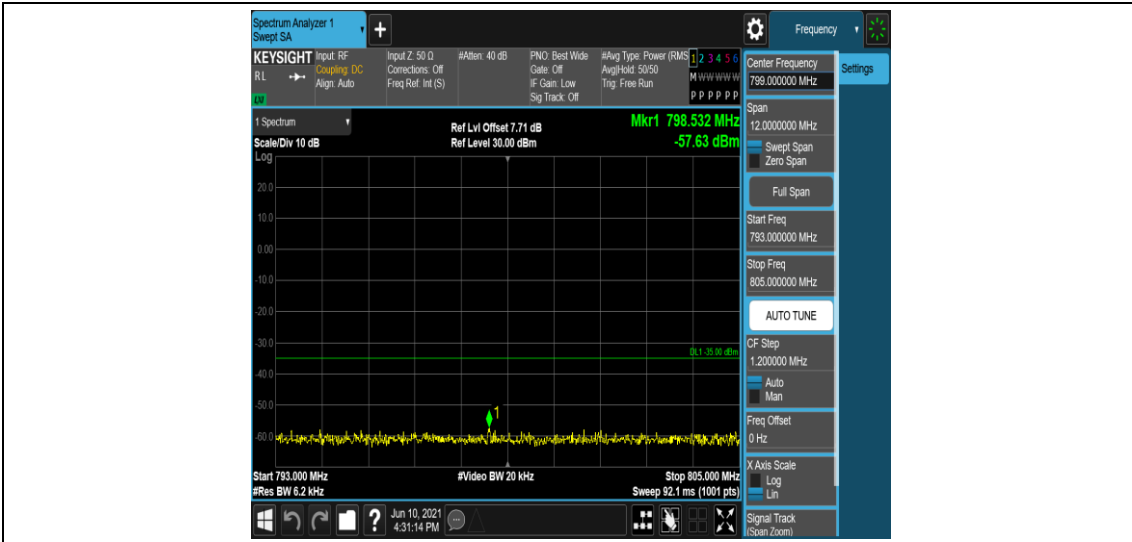
Band13-5MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



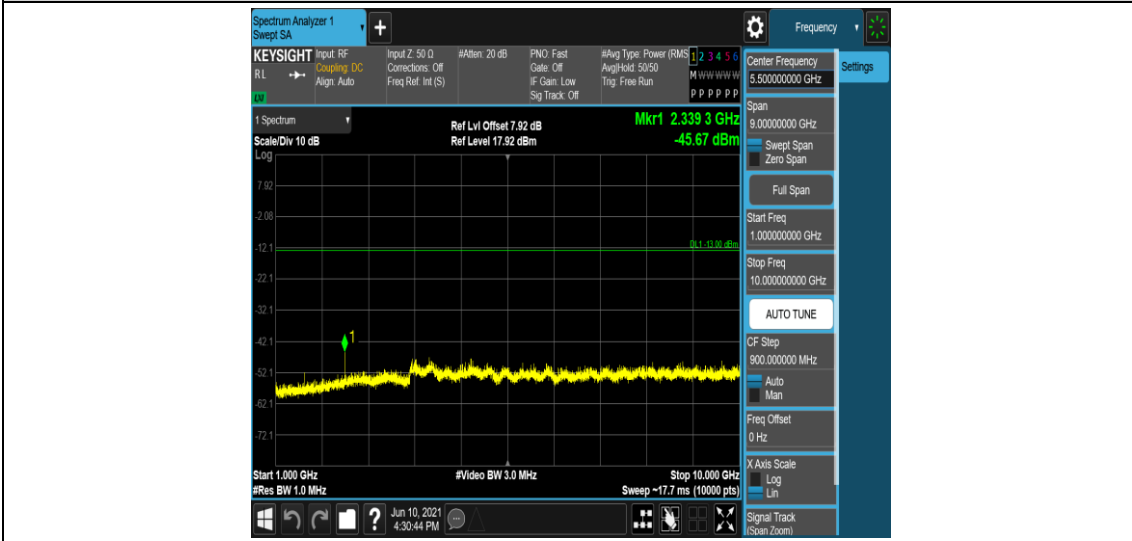
Band13-5MHz-16QAM-23230-1RB#0-Range5:763~775MHz



Band13-5MHz-16QAM-23230-1RB#0-Range6:793~805MHz



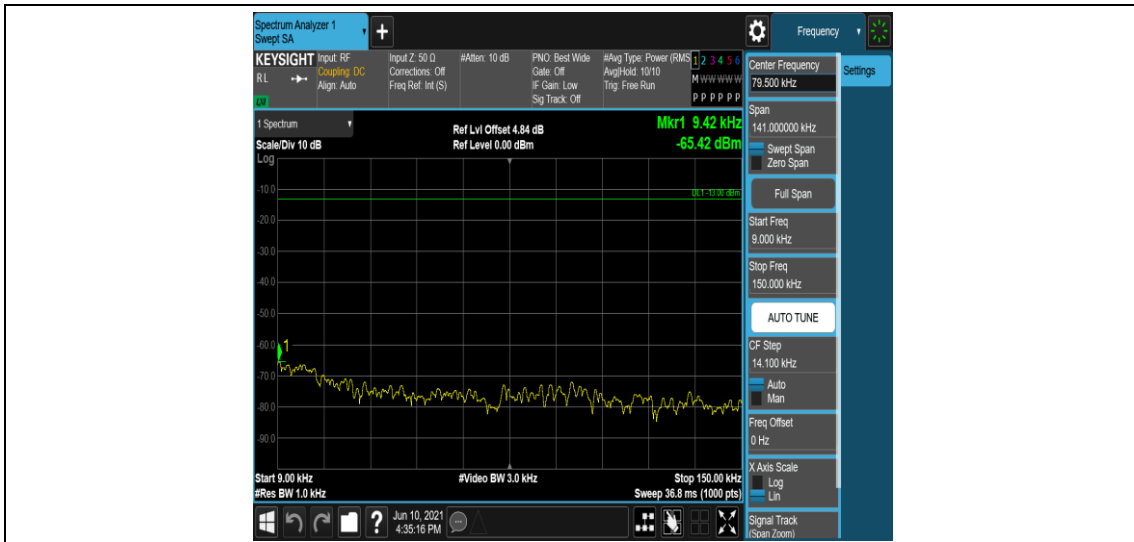
Band13-5MHz-16QAM-23230-1RB#0-Range4:1000~10000MHz



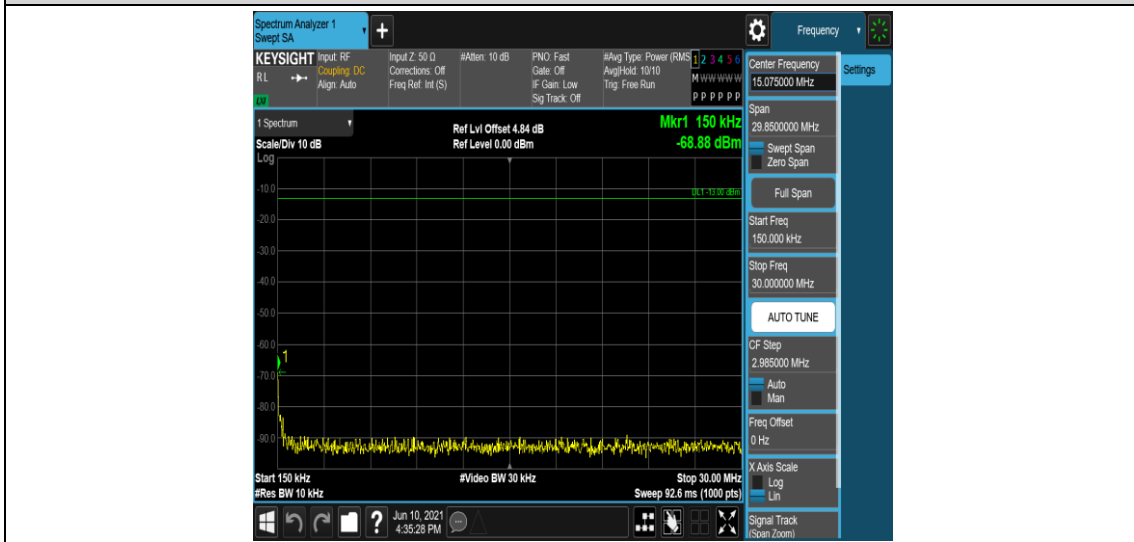
Band13-5MHz-16QAM-23230-1RB#0-Range7:1559~1610MHz



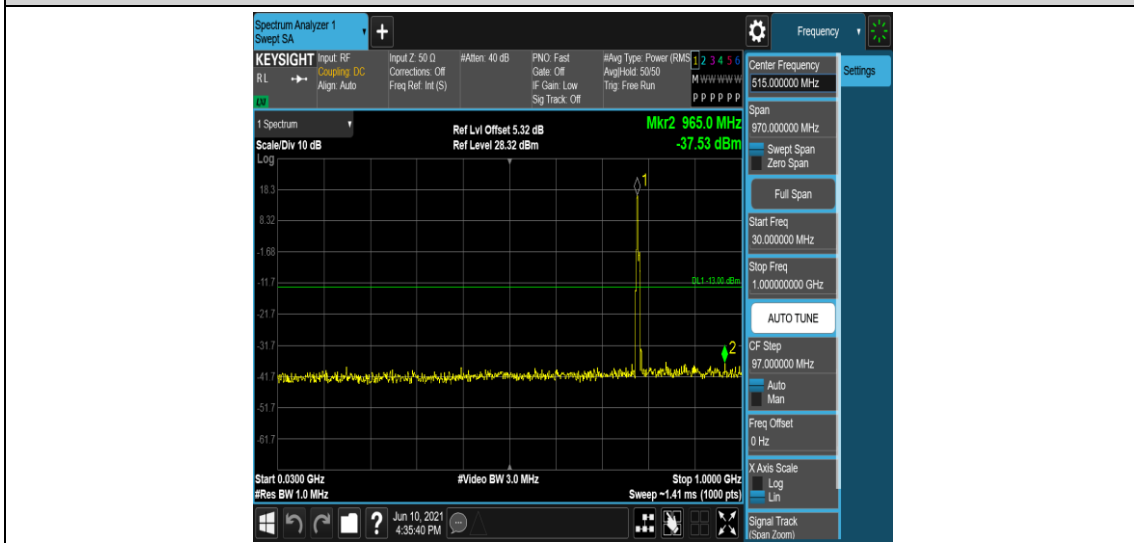
Band13-5MHz-16QAM-23255-1RB#0-Range1:0.009~0.15MHz



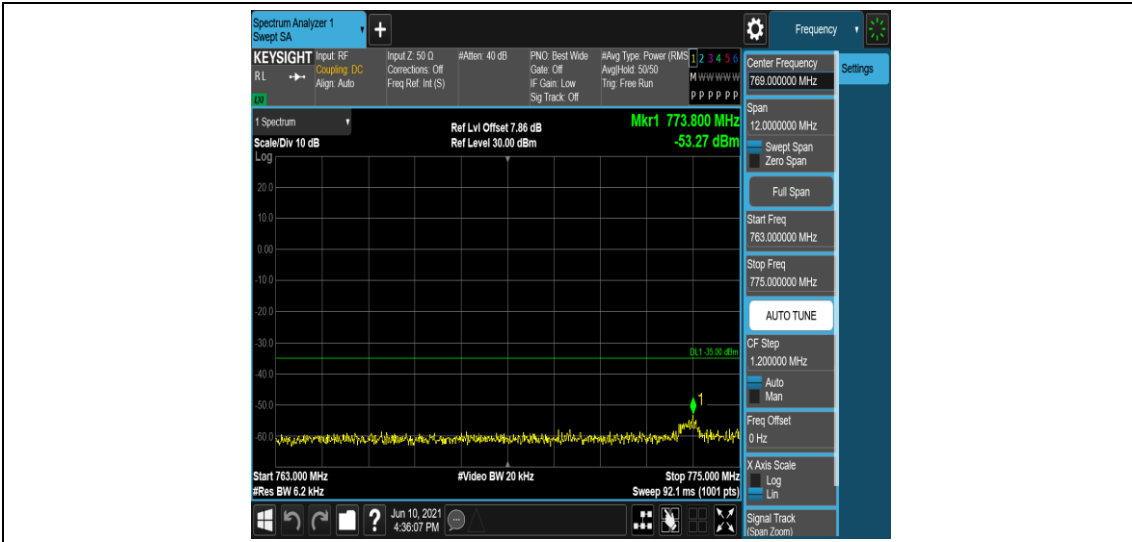
Band13-5MHz-16QAM-23255-1RB#0-Range2:0.15~30MHz



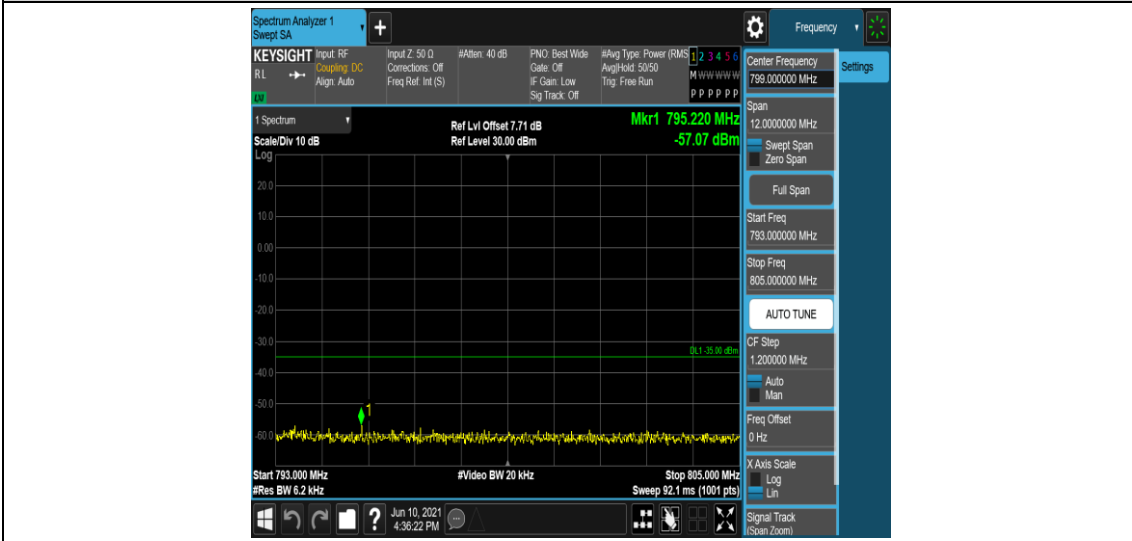
Band13-5MHz-16QAM-23255-1RB#0-Range3:30~1000MHz



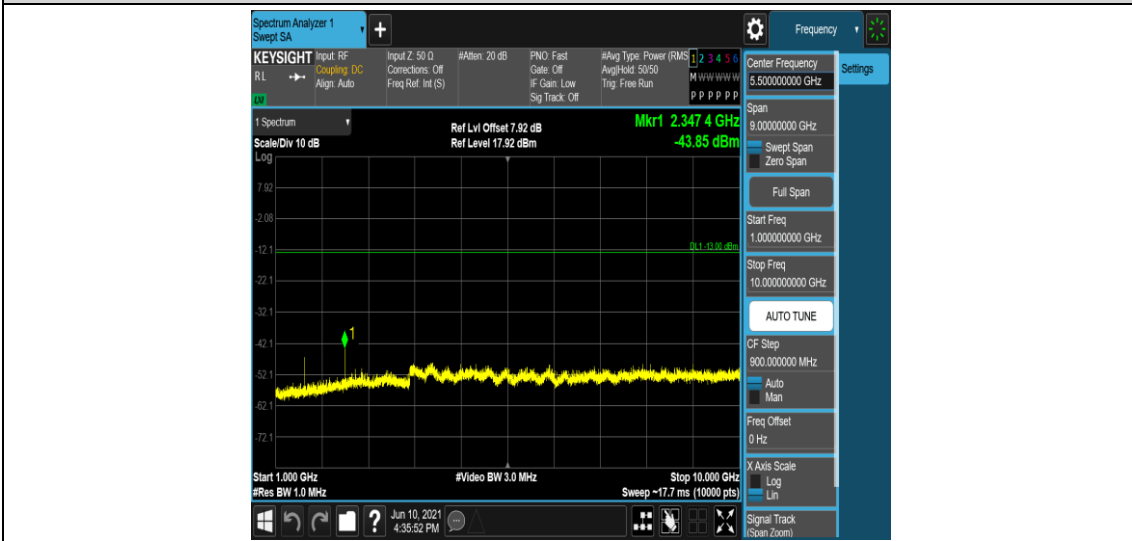
Band13-5MHz-16QAM-23255-1RB#0-Range5:763~775MHz



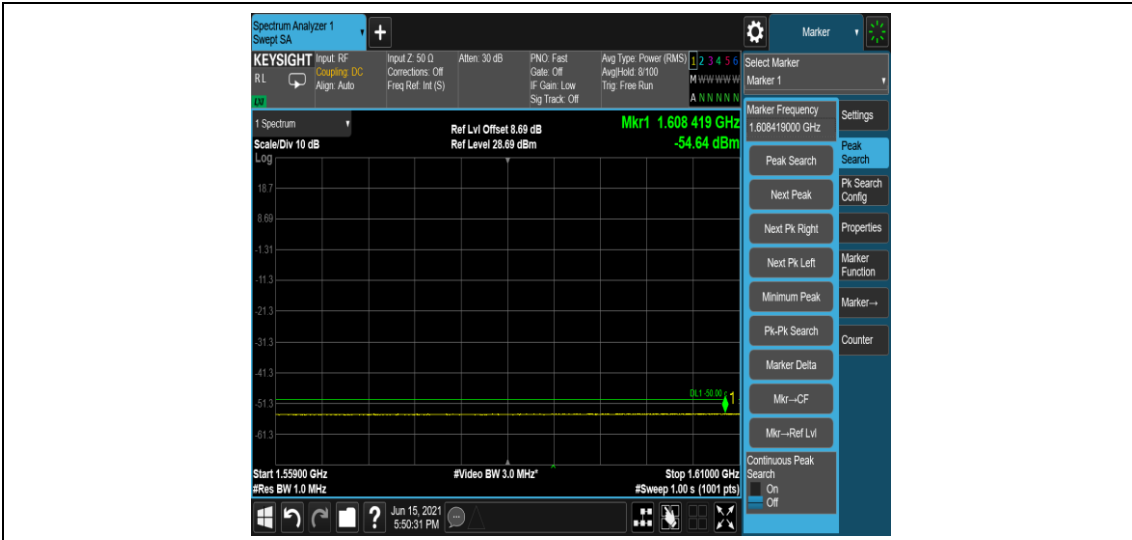
Band13-5MHz-16QAM-23255-1RB#0-Range6:793~805MHz



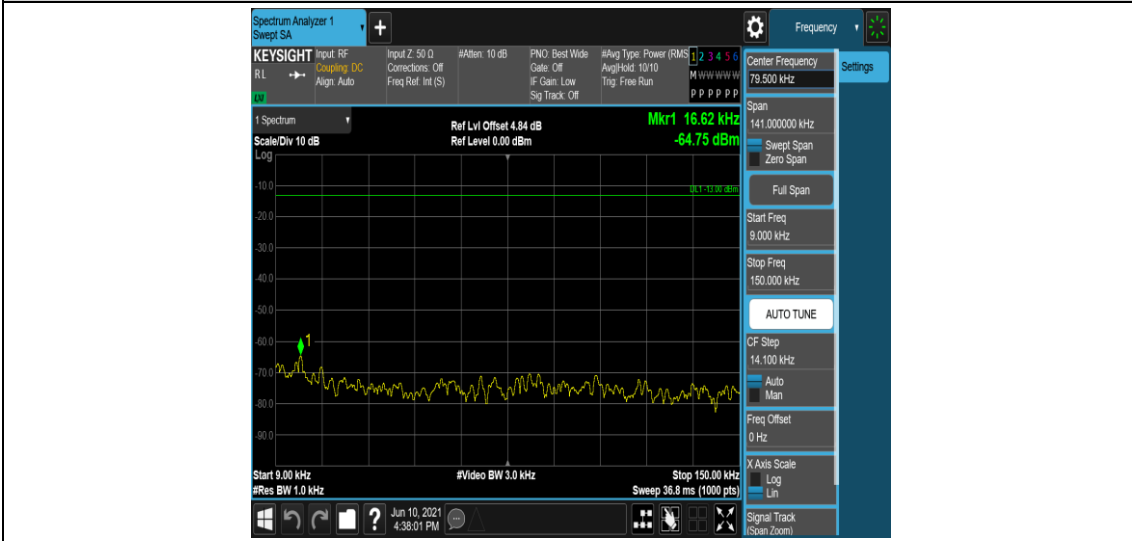
Band13-5MHz-16QAM-23255-1RB#0-Range4:1000~1000MHz



Band13-5MHz-16QAM-23255-1RB#0-Range7:1559~1610MHz



Band13-10MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz

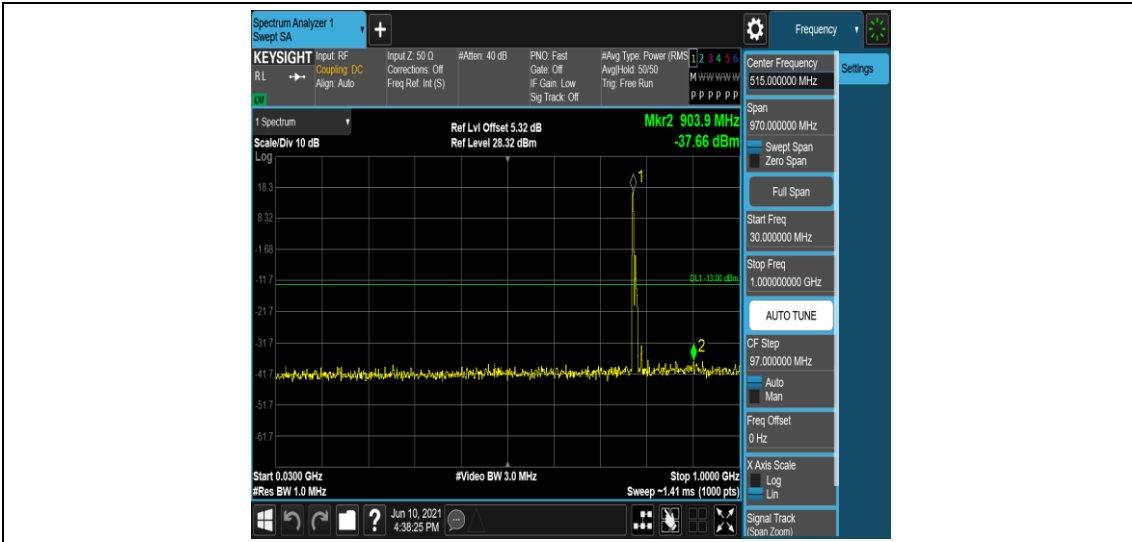


Band13-10MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz

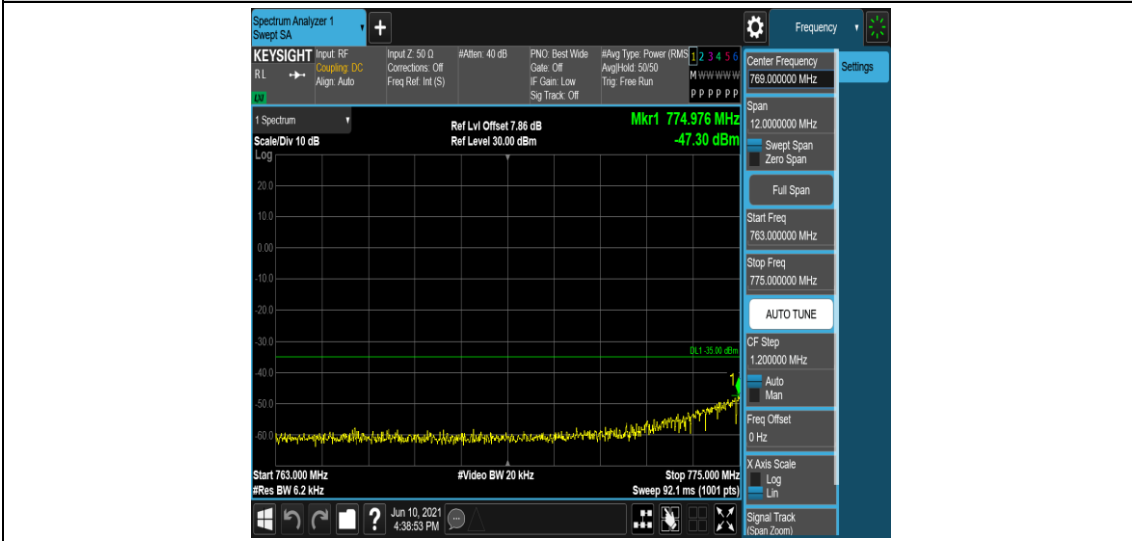


Band13-10MHz-QPSK-23230-1RB#0-Range3:30~1000MHz

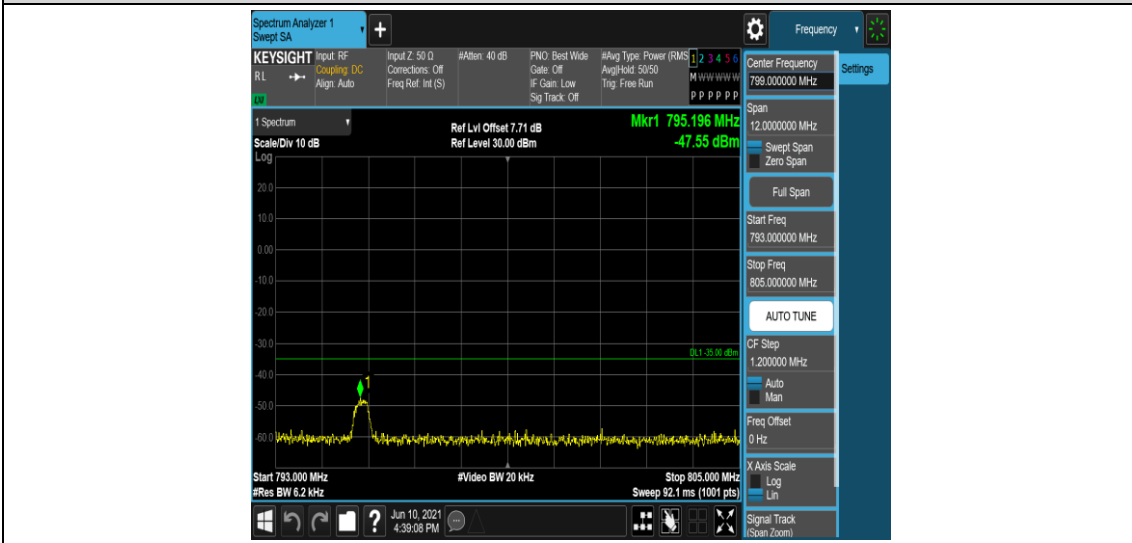




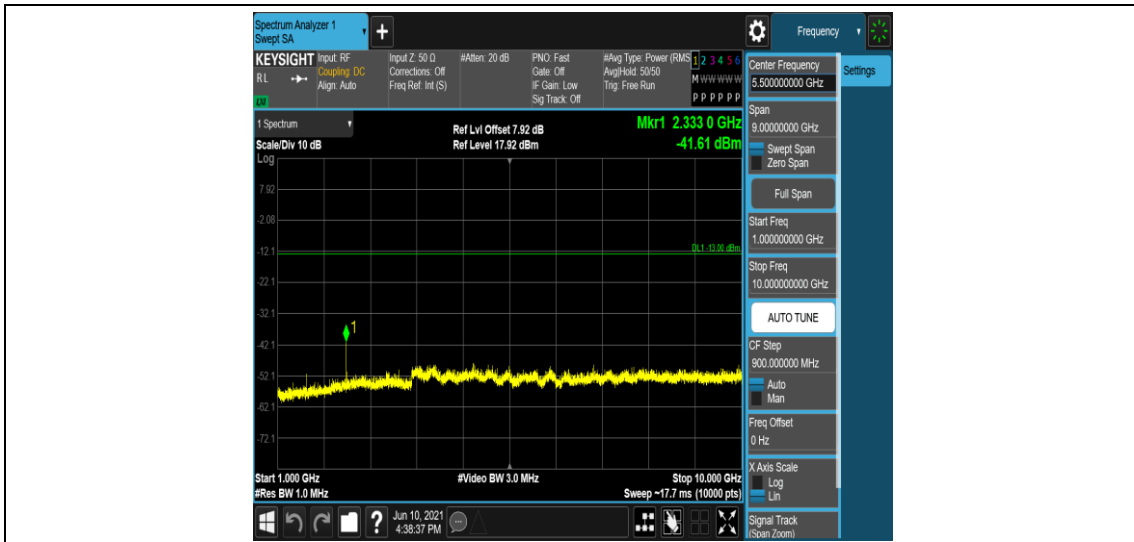
Band13-10MHz-QPSK-23230-1RB#0-Range5:763~775MHz



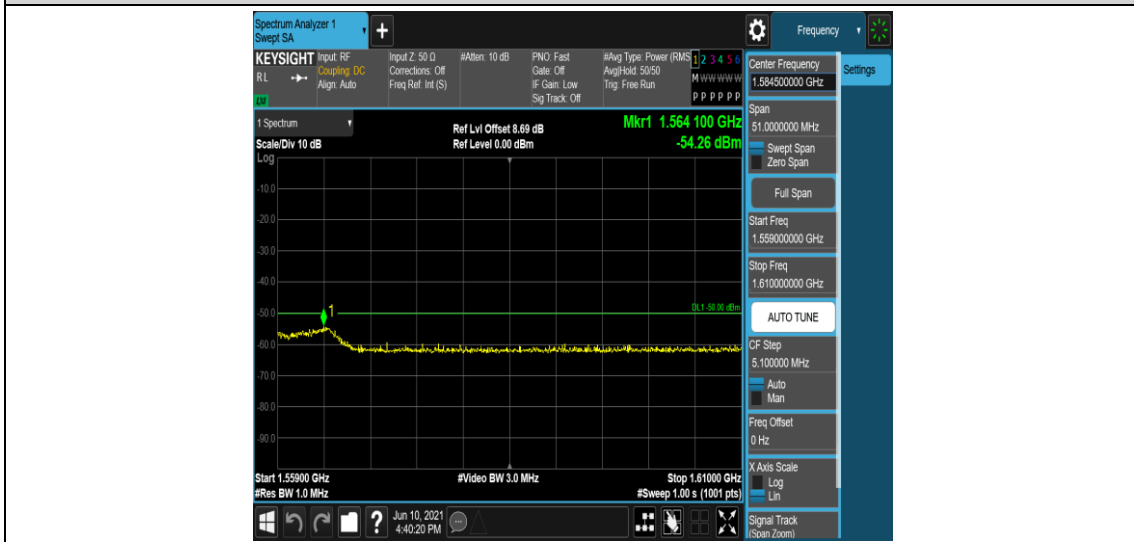
Band13-10MHz-QPSK-23230-1RB#0-Range6:793~805MHz



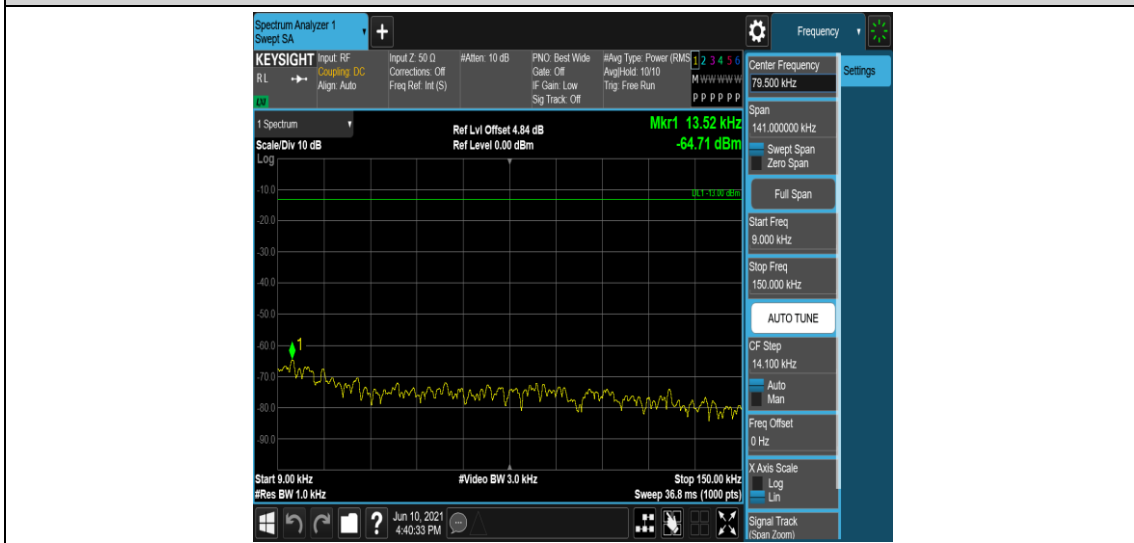
Band13-10MHz-QPSK-23230-1RB#0-Range4:1000~10000MHz



Band13-10MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



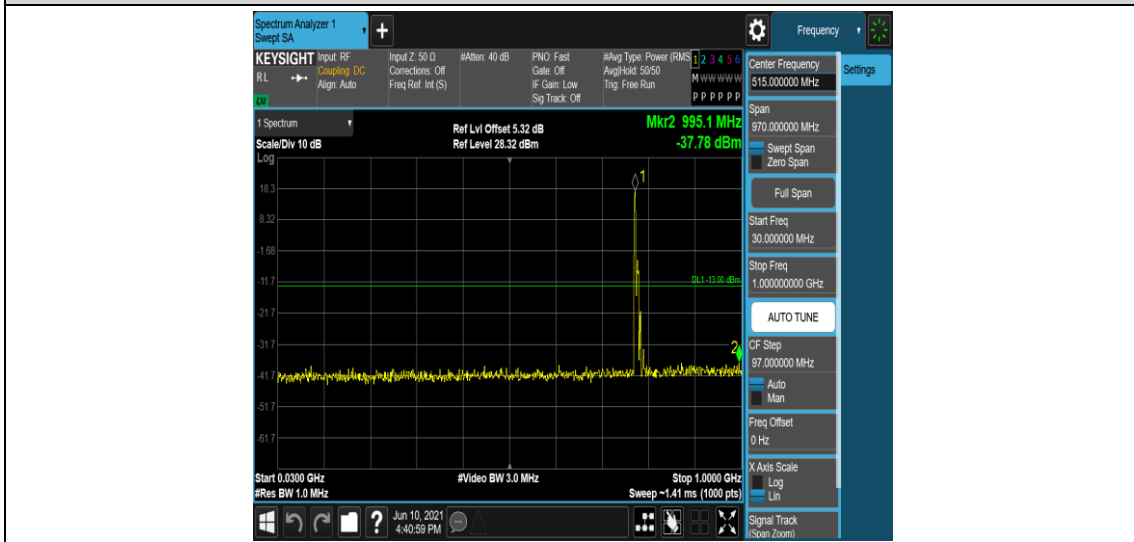
Band13-10MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



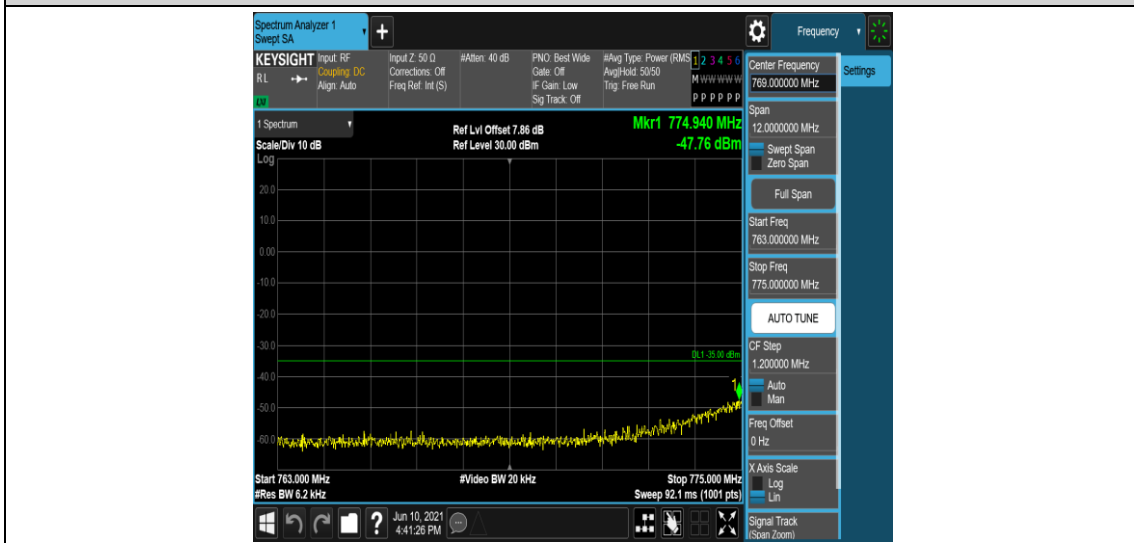
Band13-10MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



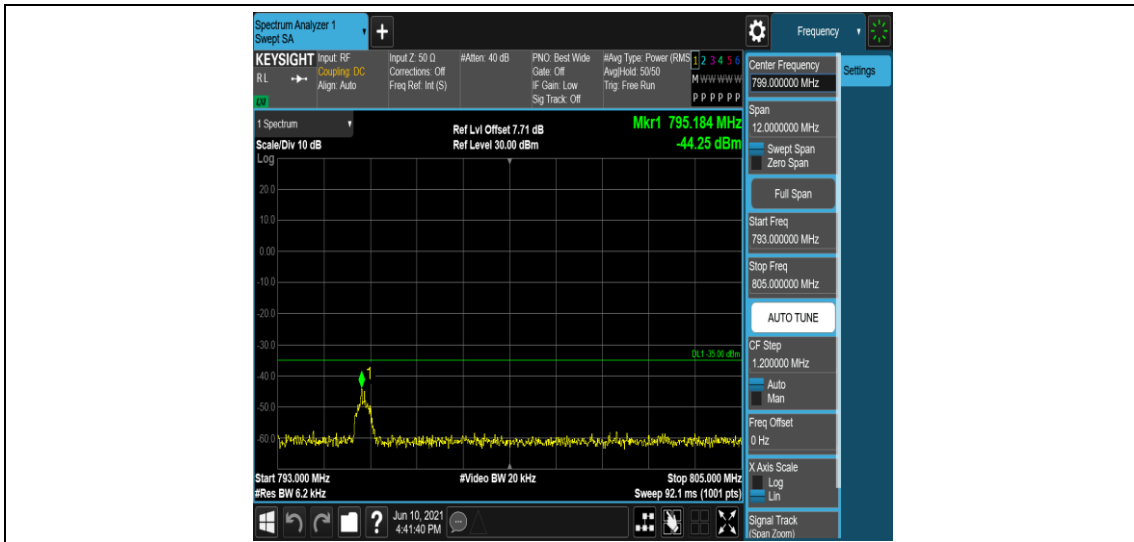
Band13-10MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



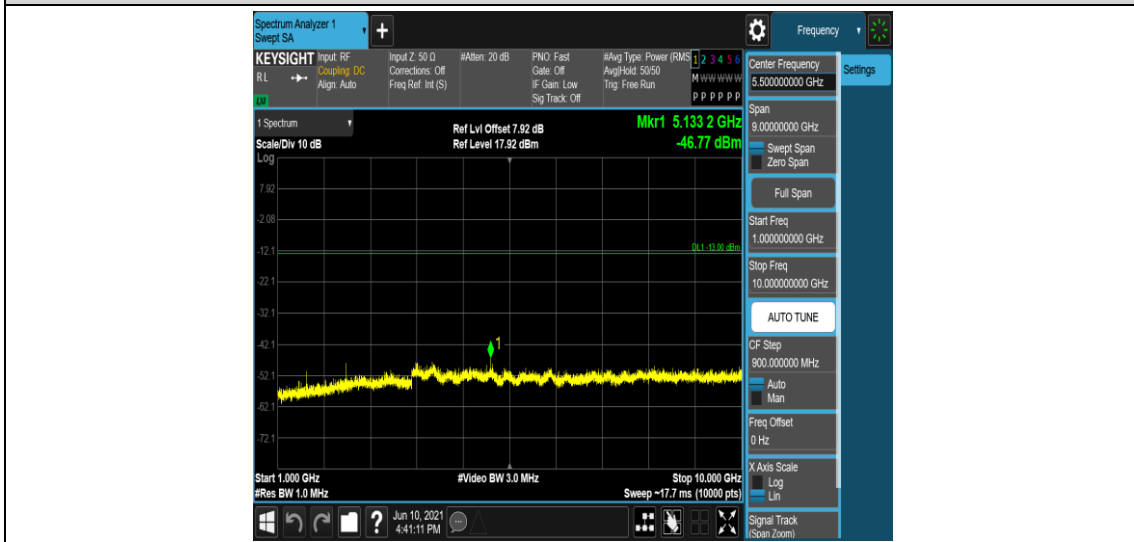
Band13-10MHz-16QAM-23230-1RB#0-Range5:763~775MHz



Band13-10MHz-16QAM-23230-1RB#0-Range6:793~805MHz



Band13-10MHz-16QAM-23230-1RB#0-Range4: 1000~10000MHz



Band13-10MHz-16QAM-23230-1RB#0-Range7: 1559~1610MHz



## 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	1.11	0.001424	± 2.5	PASS
		VN	TN	2.57	0.003297	± 2.5	PASS
		VH	TN	4.3	0.005516	± 2.5	PASS
	MCH	VL	TN	2.48	0.003171	± 2.5	PASS
		VN	TN	3.22	0.004118	± 2.5	PASS
		VH	TN	-1.09	-0.001394	± 2.5	PASS
	HCH	VL	TN	1.98	0.002524	± 2.5	PASS
		VN	TN	0.9	0.001147	± 2.5	PASS
		VH	TN	1.14	0.001453	± 2.5	PASS
16QAM	LCH	VL	TN	0.29	0.000372	± 2.5	PASS
		VN	TN	1.84	0.002360	± 2.5	PASS
		VH	TN	4.77	0.006119	± 2.5	PASS
	MCH	VL	TN	-1.98	-0.002532	± 2.5	PASS
		VN	TN	4.39	0.005614	± 2.5	PASS
		VH	TN	-1.26	-0.001611	± 2.5	PASS
	HCH	VL	TN	0.68	0.000867	± 2.5	PASS
		VN	TN	-1.39	-0.001772	± 2.5	PASS
		VH	TN	0.78	0.000994	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.5	0.003207	± 2.5	PASS
		VN	-20	2.99	0.003836	± 2.5	PASS
		VN	-10	1.89	0.002425	± 2.5	PASS
		VN	0	-1.18	-0.001514	± 2.5	PASS
		VN	10	2.27	0.002912	± 2.5	PASS
		VN	20	-0.5	-0.000641	± 2.5	PASS
		VN	30	2.03	0.002604	± 2.5	PASS
		VN	40	0.41	0.000526	± 2.5	PASS
		VN	50	4.92	0.006312	± 2.5	PASS
	MCH	VN	-30	2.68	0.003427	± 2.5	PASS

	VN	VN	-20	-0.77	-0.000985	± 2.5	PASS
		VN	-10	1.91	0.002442	± 2.5	PASS
		VN	0	2.46	0.003146	± 2.5	PASS
		VN	10	-1.43	-0.001829	± 2.5	PASS
		VN	20	4.58	0.005857	± 2.5	PASS
		VN	30	0.41	0.000524	± 2.5	PASS
		VN	40	0.09	0.000115	± 2.5	PASS
		VN	50	1.55	0.001982	± 2.5	PASS
	HCH	VN	-30	3.14	0.004003	± 2.5	PASS
		VN	-20	-0.36	-0.000459	± 2.5	PASS
		VN	-10	1.97	0.002511	± 2.5	PASS
		VN	0	2.7	0.003442	± 2.5	PASS
		VN	10	2.49	0.003174	± 2.5	PASS
		VN	20	4.3	0.005481	± 2.5	PASS
		VN	30	1.91	0.002435	± 2.5	PASS
		VN	40	-1.53	-0.001950	± 2.5	PASS
		VN	50	0.3	0.000382	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.97	-0.002527
VN	-20			2.94	0.003772	± 2.5	PASS
VN	-10			1.95	0.002502	± 2.5	PASS
VN	0			-0.31	-0.000398	± 2.5	PASS
VN	10			3.85	0.004939	± 2.5	PASS
VN	20			4.01	0.005144	± 2.5	PASS
VN	30			0.09	0.000115	± 2.5	PASS
VN	40			-1.89	-0.002425	± 2.5	PASS
VN	50			0.93	0.001193	± 2.5	PASS
MCH	VN		-30	1.74	0.002225	± 2.5	PASS
	VN		-20	1.03	0.001317	± 2.5	PASS
	VN		-10	4.62	0.005908	± 2.5	PASS
	VN		0	-0.75	-0.000959	± 2.5	PASS
	VN		10	4.03	0.005153	± 2.5	PASS
	VN		20	3.49	0.004463	± 2.5	PASS
	VN		30	2.77	0.003542	± 2.5	PASS
	VN		40	1.72	0.002199	± 2.5	PASS
	VN		50	3.91	0.005000	± 2.5	PASS
HCH	VN		-30	-1.26	-0.001606	± 2.5	PASS
	VN		-20	-1.94	-0.002473	± 2.5	PASS
	VN		-10	2.25	0.002868	± 2.5	PASS
	VN		0	1.99	0.002537	± 2.5	PASS
	VN		10	2.9	0.003697	± 2.5	PASS
	VN		20	-0.28	-0.000357	± 2.5	PASS

		VN	30	3.57	0.004551	± 2.5	PASS
		VN	40	0.08	0.000102	± 2.5	PASS
		VN	50	0.25	0.000319	± 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	MCH	VL	TN	2.35	0.003005	± 2.5	PASS
		VN	TN	4.63	0.005921	± 2.5	PASS
		VH	TN	1.46	0.001867	± 2.5	PASS
16QAM	MCH	VL	TN	-1	-0.001279	± 2.5	PASS
		VN	TN	-0.25	-0.000320	± 2.5	PASS
		VH	TN	0.43	0.000550	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	MCH	VN	-30	4.96	0.006343	± 2.5	PASS
		VN	-20	1.97	0.002519	± 2.5	PASS
		VN	-10	3.28	0.004194	± 2.5	PASS
		VN	0	3.94	0.005038	± 2.5	PASS
		VN	10	1.15	0.001471	± 2.5	PASS
		VN	20	1.01	0.001292	± 2.5	PASS
		VN	30	-0.48	-0.000614	± 2.5	PASS
		VN	40	3.67	0.004693	± 2.5	PASS
		VN	50	-0.74	-0.000946	± 2.5	PASS
16QAM	MCH	VN	-30	0.67	0.000857	± 2.5	PASS
		VN	-20	-0.93	-0.001189	± 2.5	PASS
		VN	-10	-0.23	-0.000294	± 2.5	PASS
		VN	0	4.38	0.005601	± 2.5	PASS
		VN	10	-1.86	-0.002379	± 2.5	PASS
		VN	20	2.37	0.003031	± 2.5	PASS
		VN	30	4.2	0.005371	± 2.5	PASS
		VN	40	3.51	0.004488	± 2.5	PASS
		VN	50	4.8	0.006138	± 2.5	PASS