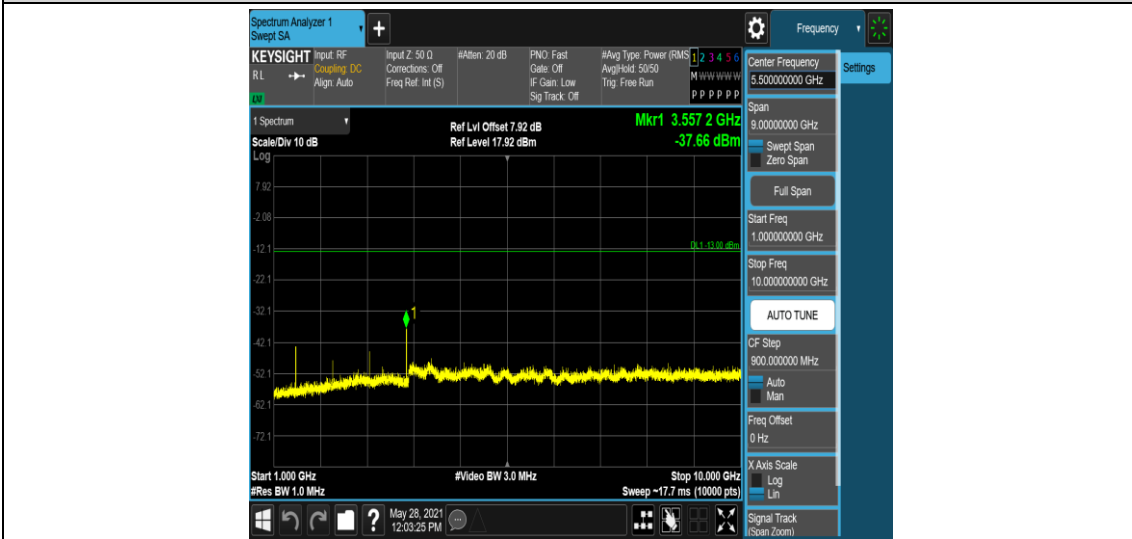


Band17-5MHz-16QAM-23825-1RB#0-Range4:1000~10000MHz



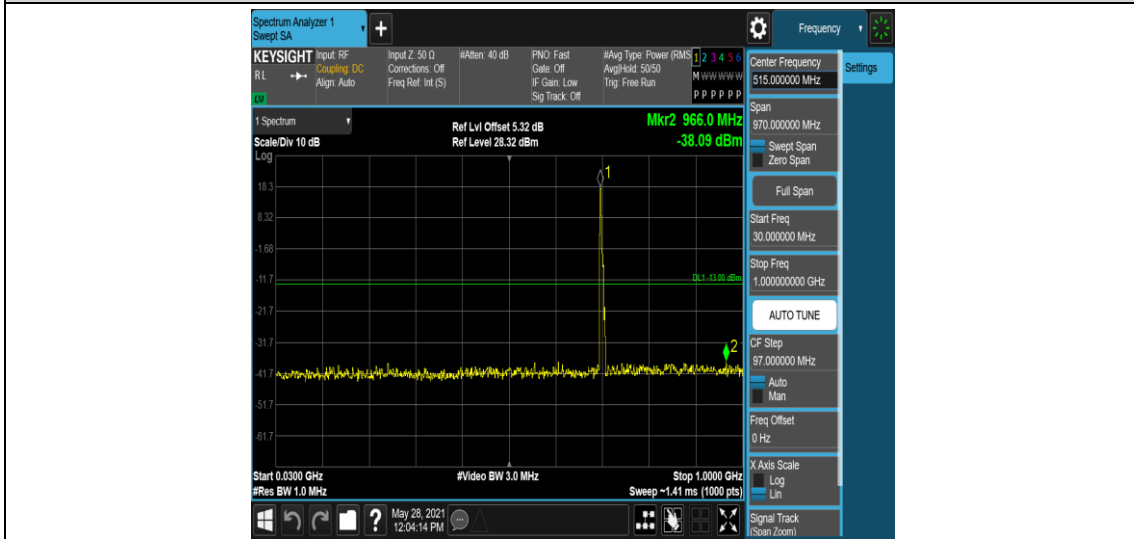
Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz



Band17-10MHz-QPSK-23780-1RB#0-Range3:30~1000MHz



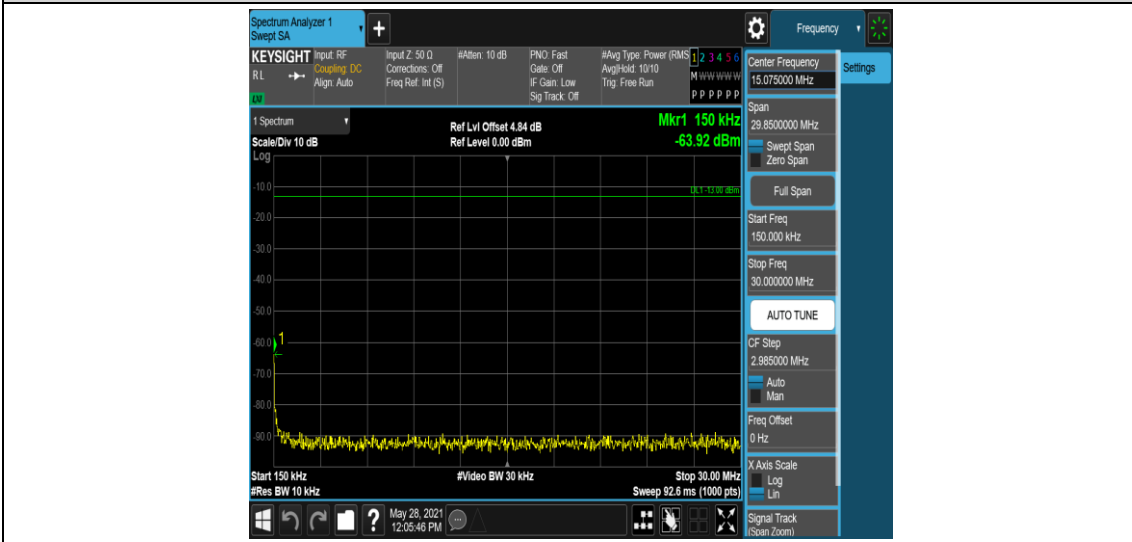
Band17-10MHz-QPSK-23780-1RB#0-Range4:100~10000MHz



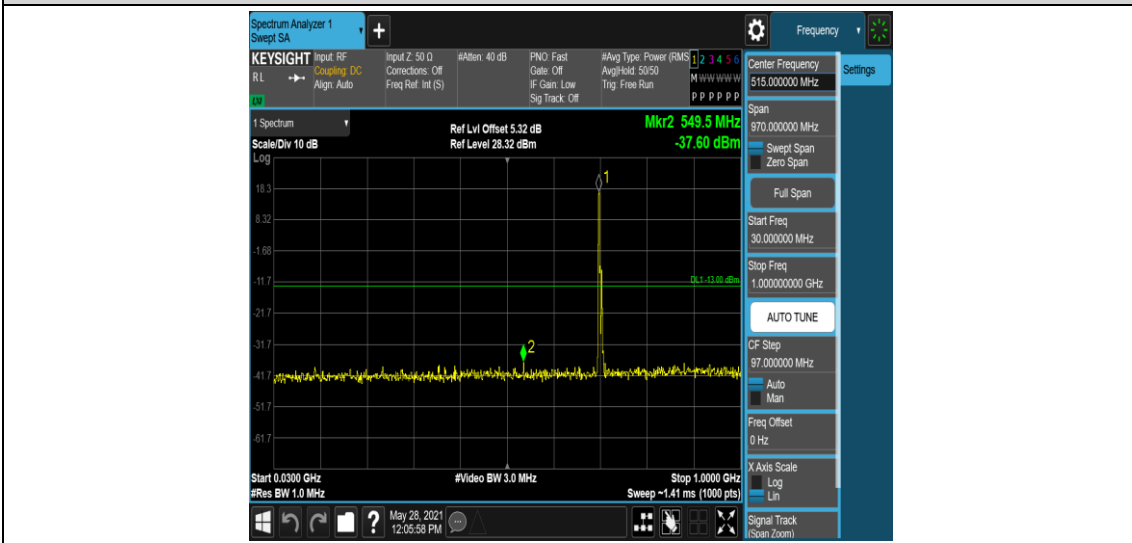
Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



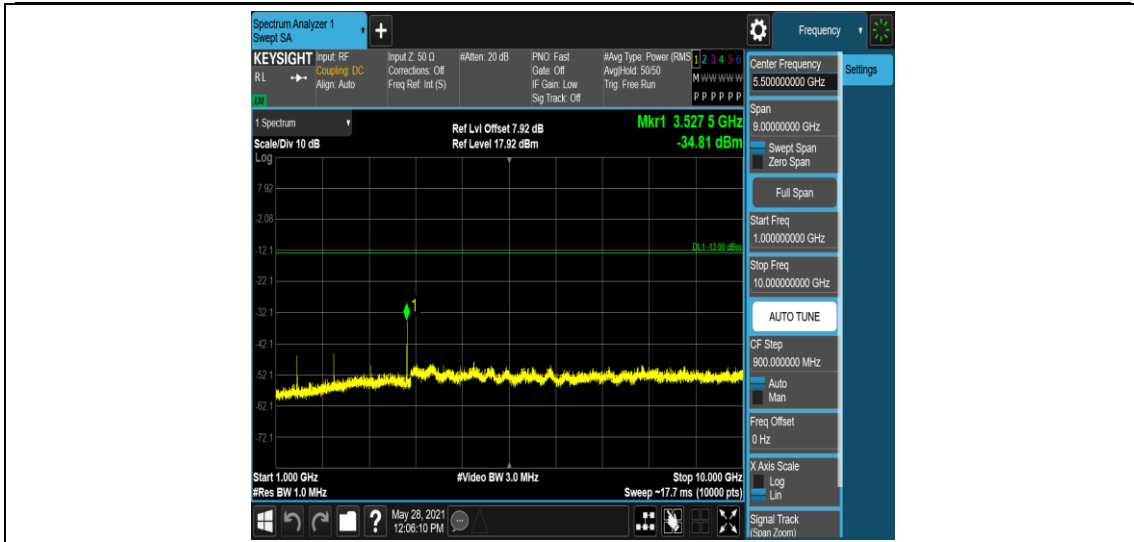
Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



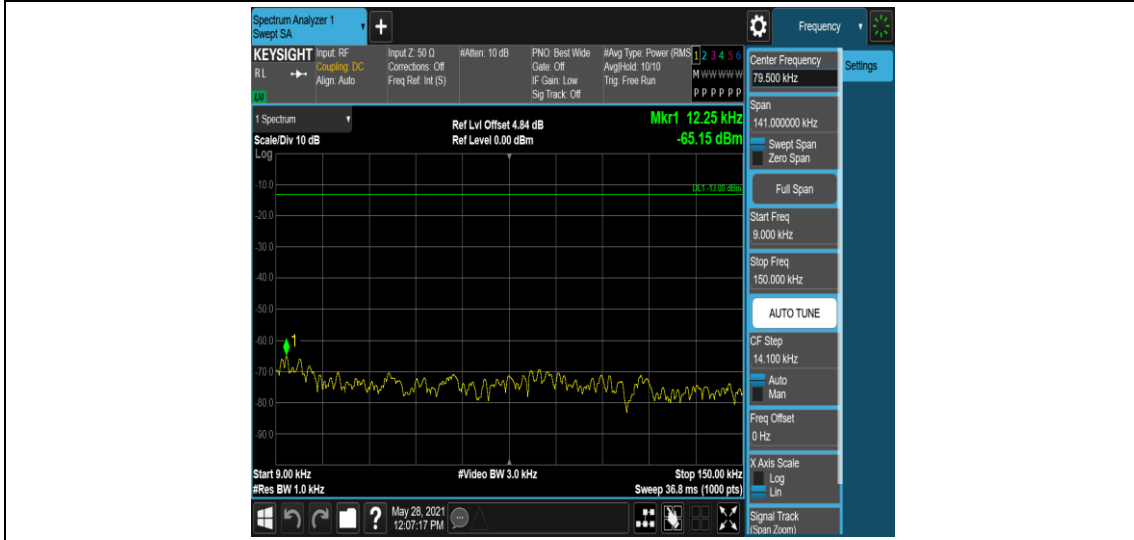
Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



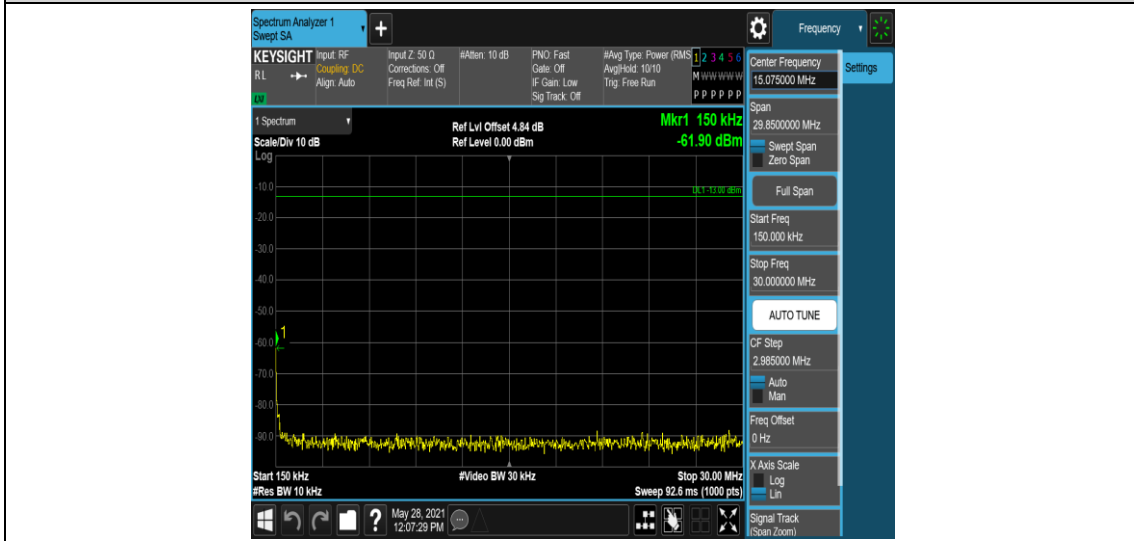
Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



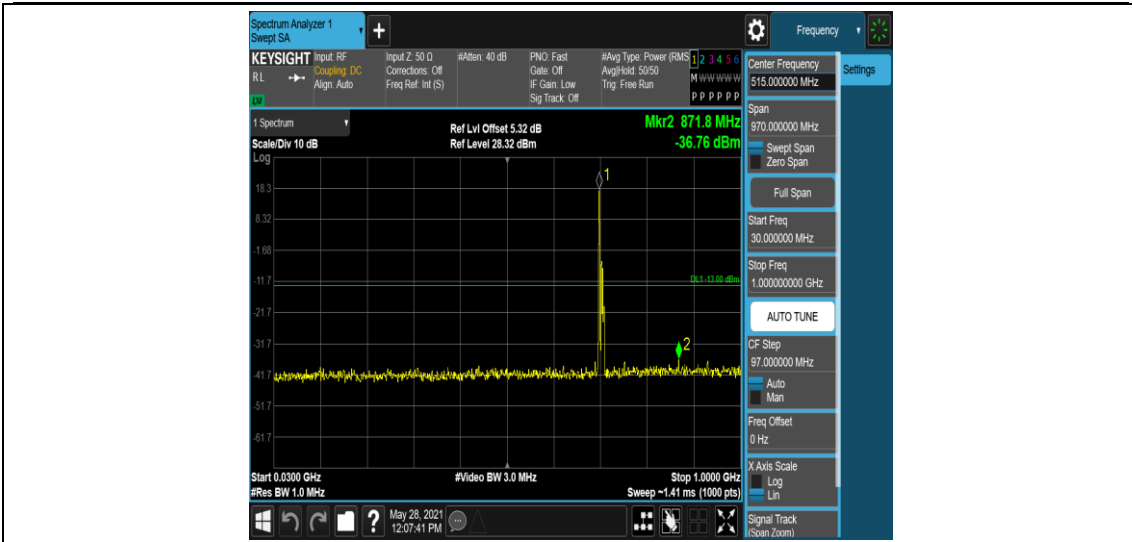
Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz



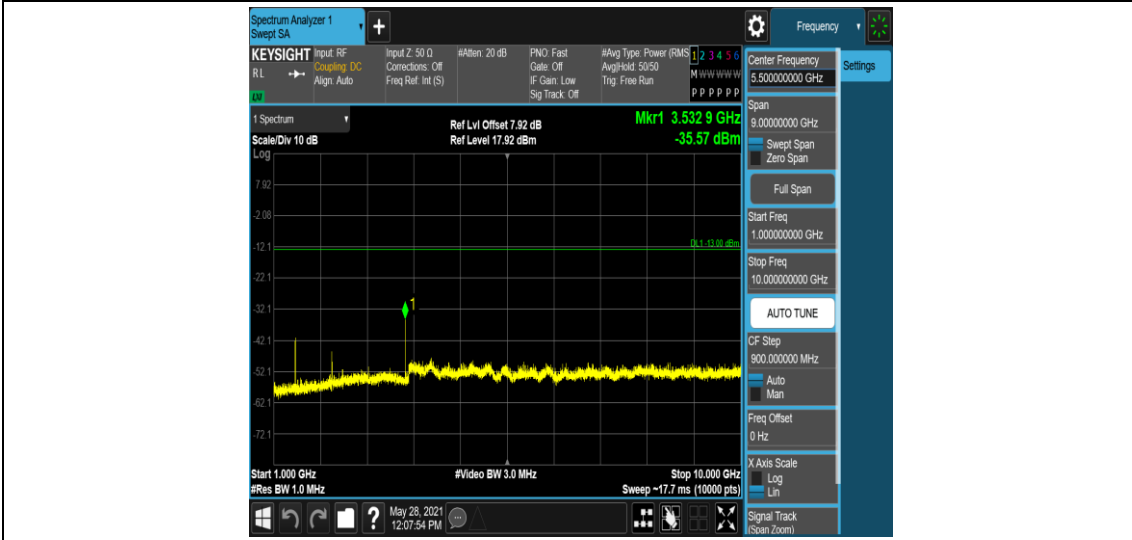
Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz



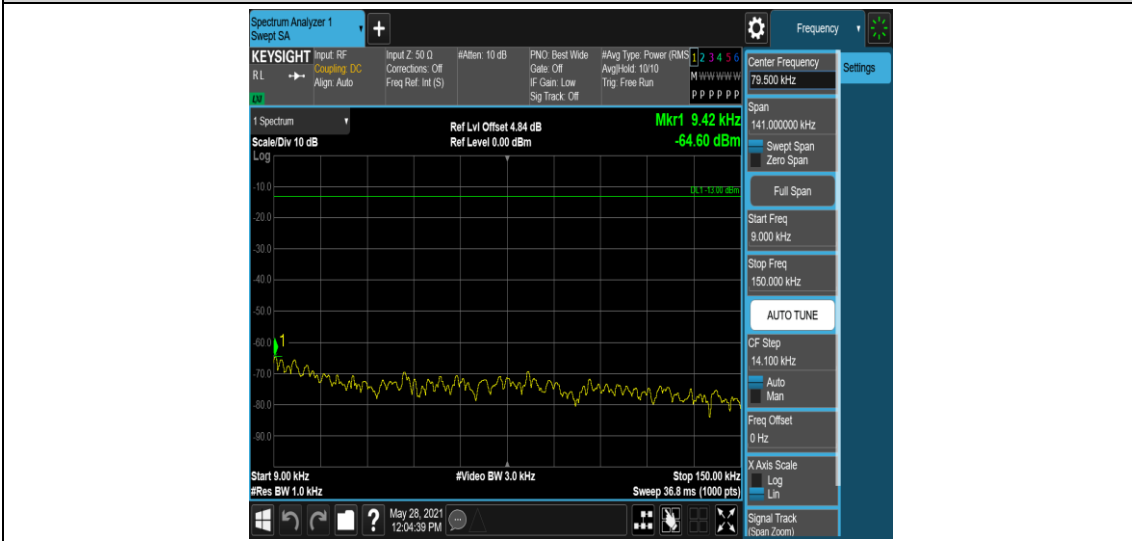
Band17-10MHz-QPSK-23800-1RB#0-Range3:30~100MHz



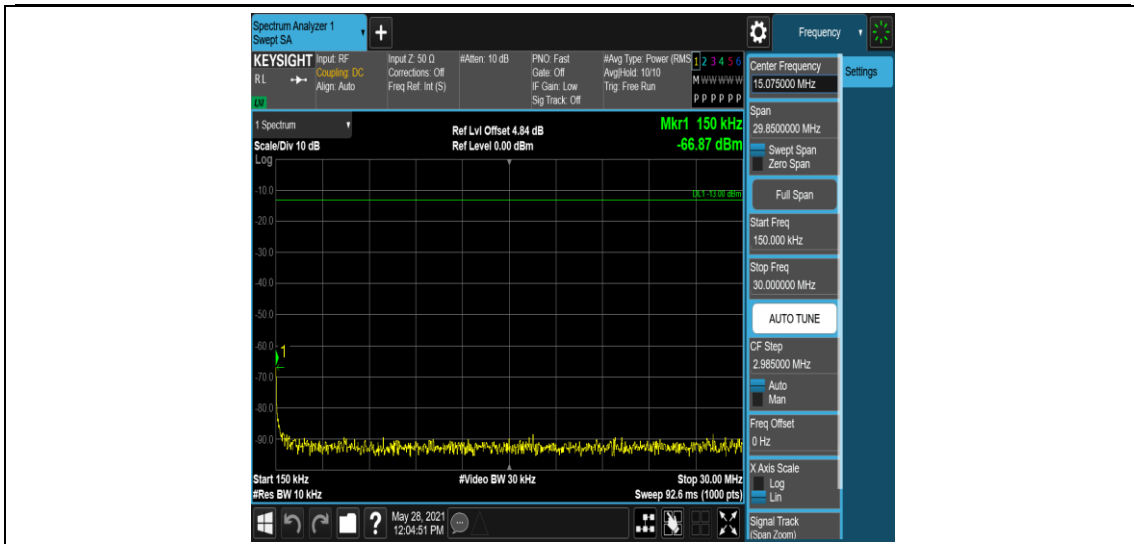
Band17-10MHz-QPSK-23800-1RB#0-Range4:1000~10000MHz



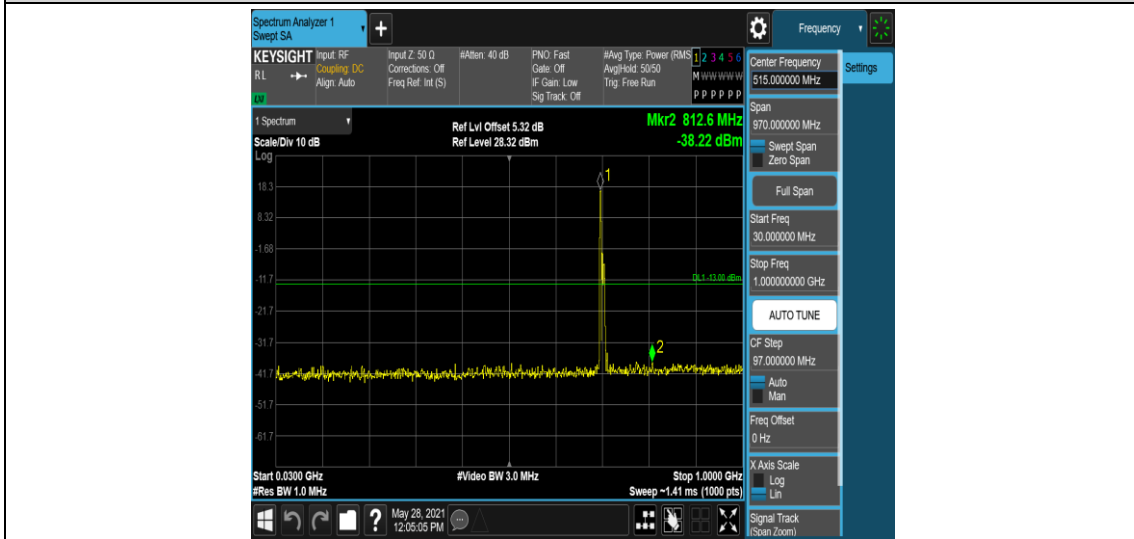
Band17-10MHz-16QAM-23780-1RB#0-Range1:0.009~0.15MHz



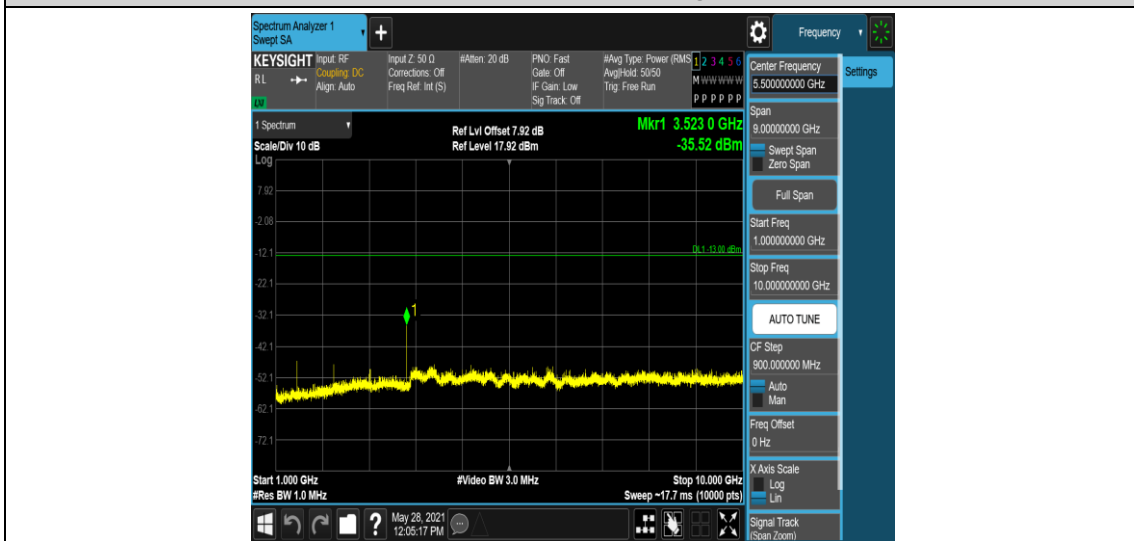
Band17-10MHz-16QAM-23780-1RB#0-Range2:0.15~30MHz



Band17-10MHz-16QAM-23780-1RB#0-Range3:30~1000MHz



Band17-10MHz-16QAM-23780-1RB#0-Range4:1000~10000MHz



Band17-10MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



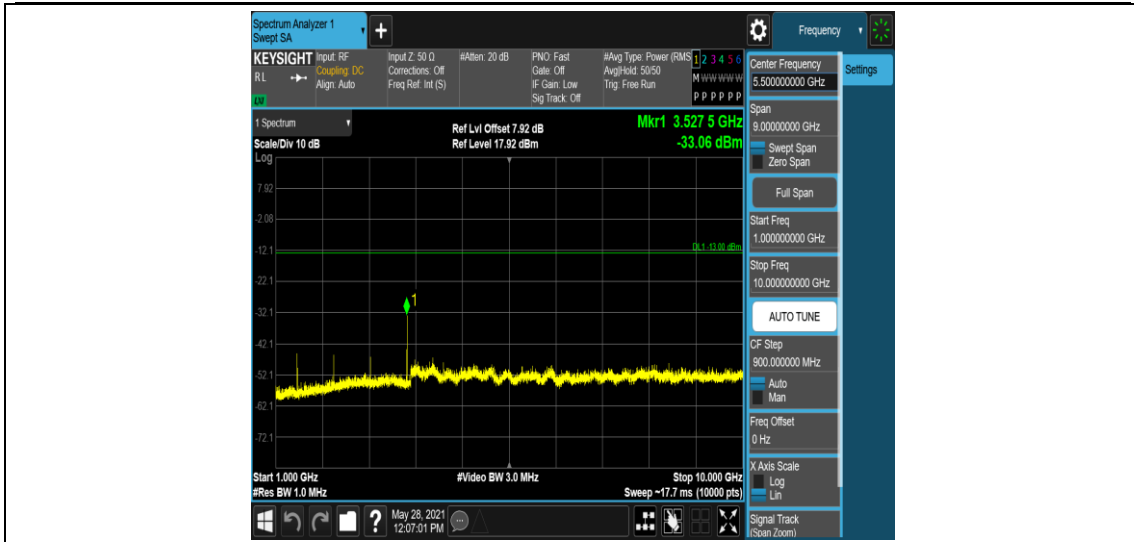
Band17-10MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz



Band17-10MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



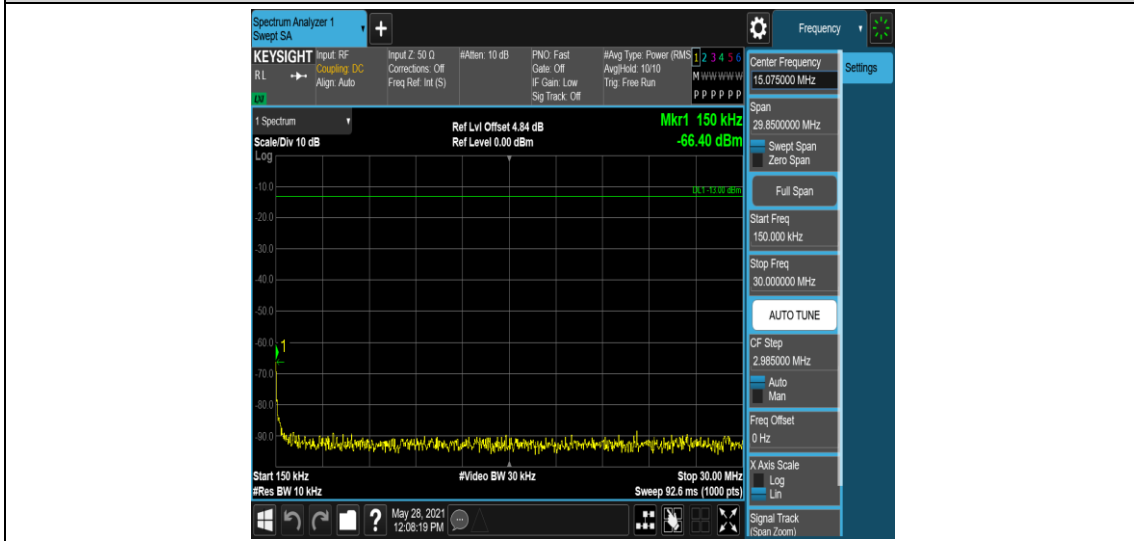
Band17-10MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-16QAM-23800-1RB#0-Range2:0.15~30MHz

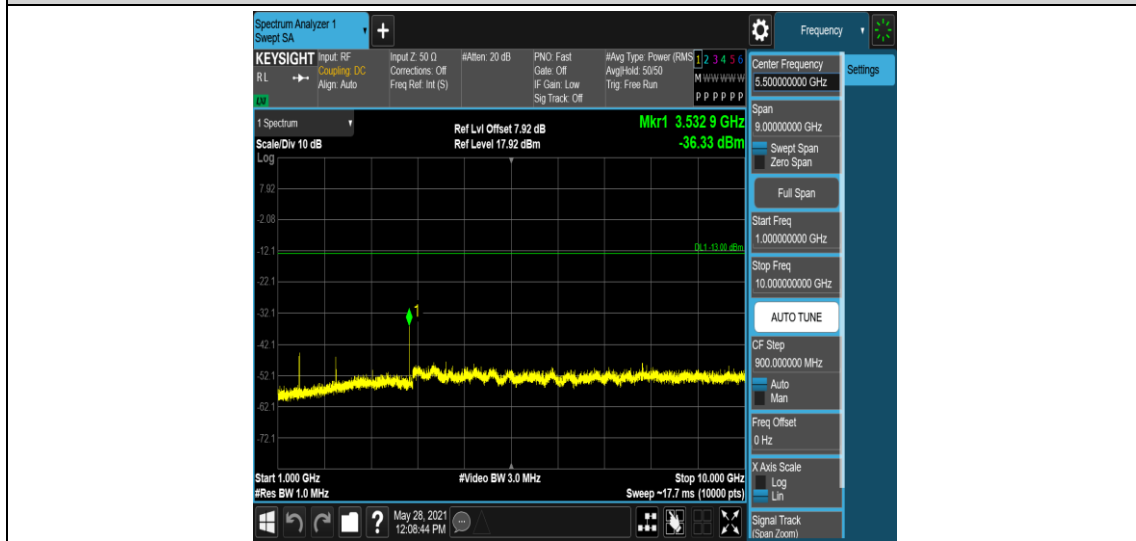


Band17-10MHz-16QAM-23800-1RB#0-Range3:30~1000MHz





Band17-10MHz-16QAM-23800-1RB#0-Range4:1000~10000MHz



## 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	-0.62	-0.000878	± 2.5	PASS
		VN	TN	0.56	0.000793	± 2.5	PASS
		VH	TN	1.6	0.002265	± 2.5	PASS
	MCH	VL	TN	-1.24	-0.001746	± 2.5	PASS
		VN	TN	0.28	0.000394	± 2.5	PASS
		VH	TN	4.01	0.005648	± 2.5	PASS
	HCH	VL	TN	-1.76	-0.002467	± 2.5	PASS
		VN	TN	0.03	0.000042	± 2.5	PASS
		VH	TN	4.42	0.006195	± 2.5	PASS
16QAM	LCH	VL	TN	2.42	0.003425	± 2.5	PASS
		VN	TN	3.02	0.004275	± 2.5	PASS
		VH	TN	0.25	0.000354	± 2.5	PASS
	MCH	VL	TN	4.11	0.005789	± 2.5	PASS
		VN	TN	-1.95	-0.002746	± 2.5	PASS
		VH	TN	3.83	0.005394	± 2.5	PASS
	HCH	VL	TN	-0.81	-0.001135	± 2.5	PASS
		VN	TN	4.64	0.006503	± 2.5	PASS
		VH	TN	2.61	0.003658	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.5	-0.002123	± 2.5	PASS
		VN	-20	4.91	0.006950	± 2.5	PASS
		VN	-10	0	0.000000	± 2.5	PASS
		VN	0	0.44	0.000623	± 2.5	PASS
		VN	10	1.37	0.001939	± 2.5	PASS
		VN	20	0.43	0.000609	± 2.5	PASS
		VN	30	1.91	0.002703	± 2.5	PASS
		VN	40	0.46	0.000651	± 2.5	PASS
		VN	50	-0.28	-0.000396	± 2.5	PASS
	MCH	VN	-30	-0.06	-0.000085	± 2.5	PASS

	VN	-20	2.36	0.003324	± 2.5	PASS	
		-10	0.94	0.001324	± 2.5	PASS	
		0	2.52	0.003549	± 2.5	PASS	
		10	0.97	0.001366	± 2.5	PASS	
		20	1.65	0.002324	± 2.5	PASS	
		30	1.12	0.001577	± 2.5	PASS	
		40	4.3	0.006056	± 2.5	PASS	
		50	-1.9	-0.002676	± 2.5	PASS	
	HCH	VN	-30	4.72	0.006615	± 2.5	PASS
		VN	-20	1.13	0.001584	± 2.5	PASS
		VN	-10	-1.19	-0.001668	± 2.5	PASS
		VN	0	-0.07	-0.000098	± 2.5	PASS
		VN	10	-1.94	-0.002719	± 2.5	PASS
		VN	20	-0.07	-0.000098	± 2.5	PASS
		VN	30	0.58	0.000813	± 2.5	PASS
		VN	40	2.68	0.003756	± 2.5	PASS
		VN	50	2.67	0.003742	± 2.5	PASS
		16QAM	LCH	VN	-30	4.41	0.006242
VN	-20			-0.94	-0.001331	± 2.5	PASS
VN	-10			-0.47	-0.000665	± 2.5	PASS
VN	0			0.76	0.001076	± 2.5	PASS
VN	10			3.47	0.004912	± 2.5	PASS
VN	20			1.71	0.002420	± 2.5	PASS
VN	30			1.07	0.001515	± 2.5	PASS
VN	40			-1.49	-0.002109	± 2.5	PASS
VN	50			-1.97	-0.002788	± 2.5	PASS
MCH	VN		-30	3.44	0.004821	± 2.5	PASS
	VN		-20	2.56	0.003588	± 2.5	PASS
	VN		-10	0.54	0.000757	± 2.5	PASS
	VN		0	-1.82	-0.002551	± 2.5	PASS
	VN		10	-0.29	-0.000406	± 2.5	PASS
	VN		20	1.01	0.001416	± 2.5	PASS
	VN		30	3.28	0.004597	± 2.5	PASS
	VN		40	4.6	0.006447	± 2.5	PASS
	VN		50	3.64	0.005102	± 2.5	PASS
HCH	VN		-30	2.3	0.003224	± 2.5	PASS
	VN		-20	1.67	0.002341	± 2.5	PASS
	VN		-10	-0.51	-0.000715	± 2.5	PASS
	VN		0	3.12	0.004373	± 2.5	PASS
	VN		10	4.59	0.006433	± 2.5	PASS
	VN		20	0.64	0.000897	± 2.5	PASS

		VN	30	-1.12	-0.001570	± 2.5	PASS
		VN	40	2.09	0.002929	± 2.5	PASS
		VN	50	4.23	0.005929	± 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	LCH	VL	TN	4.37	0.006164	± 2.5	PASS
		VN	TN	1.56	0.002200	± 2.5	PASS
		VH	TN	4.84	0.006827	± 2.5	PASS
	MCH	VL	TN	0.66	0.000930	± 2.5	PASS
		VN	TN	-1.25	-0.001761	± 2.5	PASS
		VH	TN	-0.18	-0.000254	± 2.5	PASS
	HCH	VL	TN	4.62	0.006498	± 2.5	PASS
		VN	TN	2.79	0.003924	± 2.5	PASS
		VH	TN	0.37	0.000520	± 2.5	PASS
16QAM	LCH	VL	TN	4.82	0.006798	± 2.5	PASS
		VN	TN	3.74	0.005275	± 2.5	PASS
		VH	TN	3.93	0.005543	± 2.5	PASS
	MCH	VL	TN	2.61	0.003676	± 2.5	PASS
		VN	TN	-0.96	-0.001352	± 2.5	PASS
		VH	TN	1.74	0.002451	± 2.5	PASS
	HCH	VL	TN	2.59	0.003643	± 2.5	PASS
		VN	TN	-1.74	-0.002447	± 2.5	PASS
		VH	TN	3.97	0.005584	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.35	0.004725	± 2.5	PASS
		VN	-20	2.4	0.003385	± 2.5	PASS
		VN	-10	2.22	0.003131	± 2.5	PASS
		VN	0	3.67	0.005176	± 2.5	PASS
		VN	10	0.35	0.000494	± 2.5	PASS
		VN	20	4.92	0.006939	± 2.5	PASS
		VN	30	4.14	0.005839	± 2.5	PASS
		VN	40	-0.48	-0.000677	± 2.5	PASS
		VN	50	3.92	0.005529	± 2.5	PASS
	MCH	VN	-30	3.81	0.005366	± 2.5	PASS
		VN	-20	0.62	0.000873	± 2.5	PASS

		VN	-10	0.63	0.000887	± 2.5	PASS		
		VN	0	-0.26	-0.000366	± 2.5	PASS		
		VN	10	3.2	0.004507	± 2.5	PASS		
		VN	20	3.12	0.004394	± 2.5	PASS		
		VN	30	0.51	0.000718	± 2.5	PASS		
		VN	40	1.52	0.002141	± 2.5	PASS		
		VN	50	4.41	0.006211	± 2.5	PASS		
	HCH	VN	-30	1.42	0.001997	± 2.5	PASS		
		VN	-20	-1.43	-0.002011	± 2.5	PASS		
		VN	-10	2.21	0.003108	± 2.5	PASS		
		VN	0	1.23	0.001730	± 2.5	PASS		
		VN	10	1.58	0.002222	± 2.5	PASS		
		VN	20	1.12	0.001575	± 2.5	PASS		
		VN	30	-0.87	-0.001224	± 2.5	PASS		
		VN	40	2.87	0.004037	± 2.5	PASS		
		VN	50	4.49	0.006315	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.41	0.001986	± 2.5	PASS
				VN	-20	4.27	0.006014	± 2.5	PASS
VN	-10			1.27	0.001789	± 2.5	PASS		
VN	0			-1.44	-0.002028	± 2.5	PASS		
VN	10			-0.98	-0.001380	± 2.5	PASS		
VN	20			-0.97	-0.001366	± 2.5	PASS		
VN	30			3.85	0.005423	± 2.5	PASS		
VN	40			-0.59	-0.000831	± 2.5	PASS		
VN	50			2.26	0.003183	± 2.5	PASS		
MCH	VN		-30	1.42	0.001997	± 2.5	PASS		
	VN		-20	-0.63	-0.000886	± 2.5	PASS		
	VN		-10	3.35	0.004712	± 2.5	PASS		
	VN		0	-0.85	-0.001195	± 2.5	PASS		
	VN		10	3.95	0.005556	± 2.5	PASS		
	VN		20	2.49	0.003502	± 2.5	PASS		
	VN		30	-0.53	-0.000745	± 2.5	PASS		
	VN		40	4.76	0.006695	± 2.5	PASS		
	VN		50	0.83	0.001167	± 2.5	PASS		
HCH	VN	-30	-0.05	-0.000070	± 2.5	PASS			
	VN	-20	-0.61	-0.000858	± 2.5	PASS			
	VN	-10	2.69	0.003783	± 2.5	PASS			
	VN	0	-0.76	-0.001069	± 2.5	PASS			
	VN	10	-0.05	-0.000070	± 2.5	PASS			
	VN	20	1.48	0.002082	± 2.5	PASS			
	VN	30	-0.03	-0.000042	± 2.5	PASS			

		VN	40	2.64	0.003713	± 2.5	PASS
		VN	50	4.54	0.006385	± 2.5	PASS