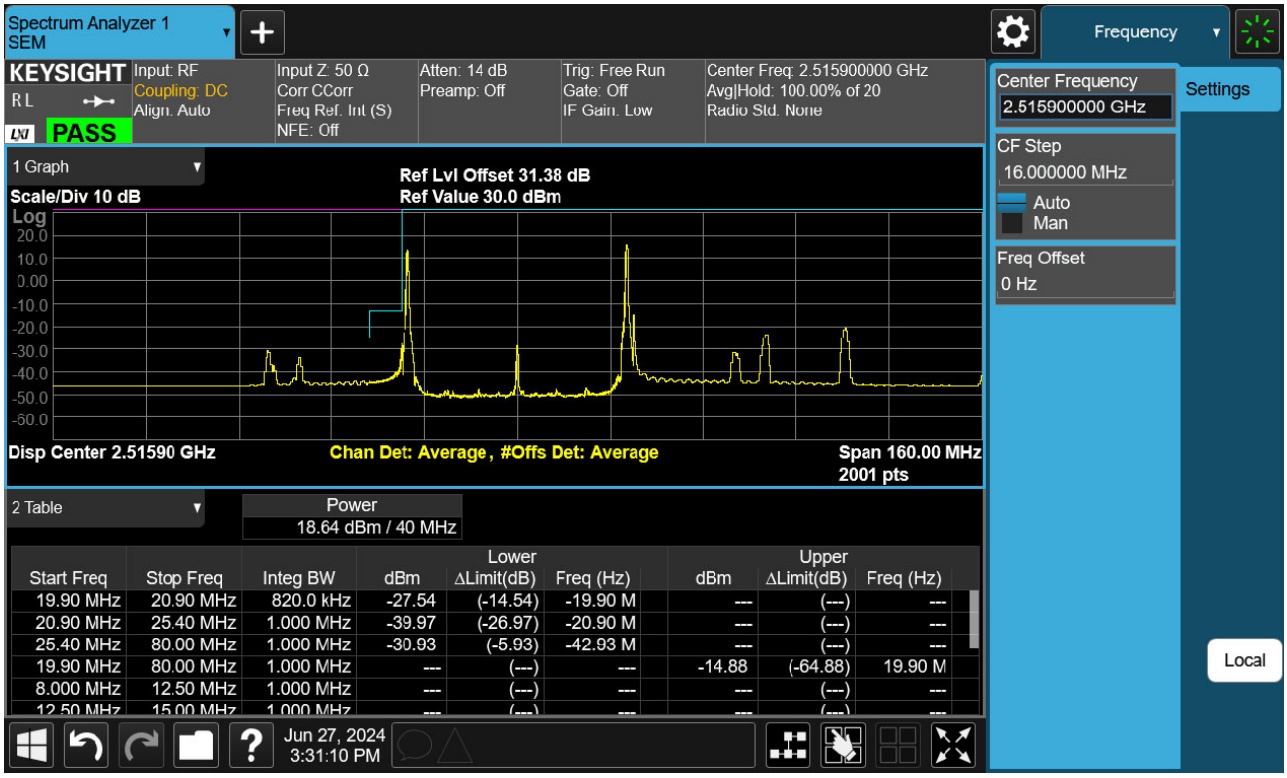
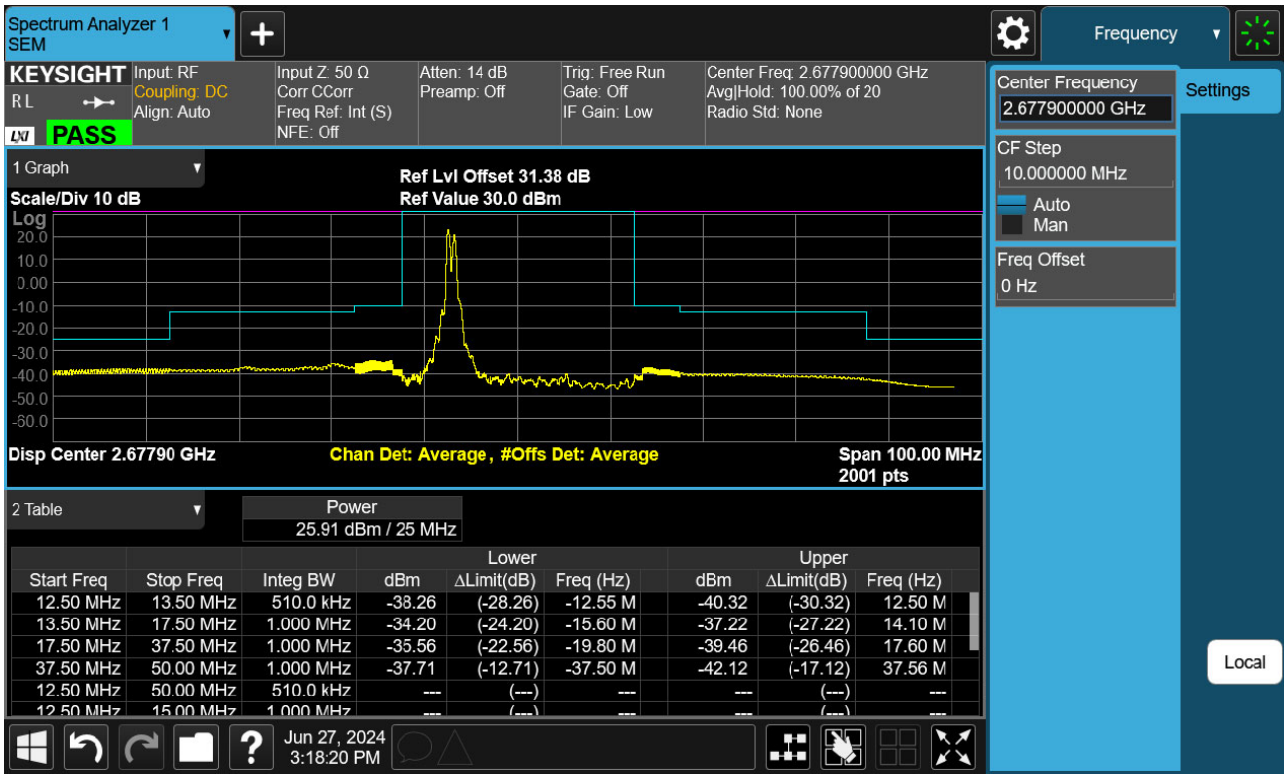
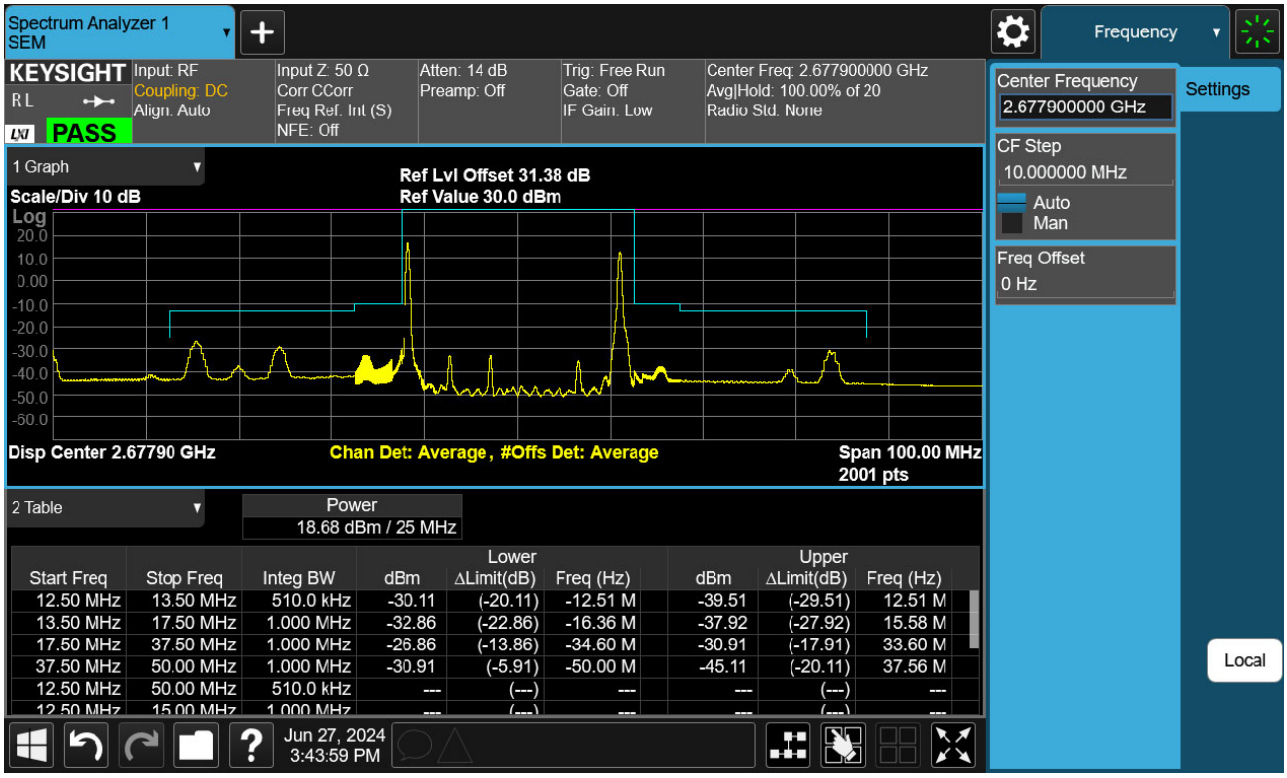
PCC 20MHz Ch39750 RB1 Offset0, SCC 20MHz Ch39948 RB1 Offset99-1



PCC 5MHz Ch41373 RB1 Offset24, SCC 20MHz Ch41490 RB1 Offset0



PCC 5MHz Ch41373 RB1 Offset0, SCC 20MHz Ch41490 RB1 Offset99



8.5 Frequency Stability / Variation Of Ambient Temperature

▣ PCC Channel:	39683	
▣ PCC Frequency:	2499.3	MHz
▣ PCC BandWidth:	5	MHz
▣ SCC Channel:	39800	
▣ SCC Frequency:	2511.0	MHz
▣ SCC BandWidth:	20	MHz
▣ Voltage :	3.880	VDC
▣ LIMIT:	Emission must remain in band	

Voltage (%)	Power (VDC)	Temp. (°C)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	-0.011	-0.023	2499.31130	2511.02259
100 %		-30	-0.014	0.001	2499.31433	2510.99924
100 %		-20	0.001	0.000	2499.29896	2511.00037
100 %		-10	-0.014	-0.007	2499.31421	2511.00733
100 %		0	-0.007	-0.009	2499.30733	2511.00947
100 %		10	-0.011	0.002	2499.31139	2510.99797
100 %		30	-0.004	-0.001	2499.30377	2511.00124
100 %		40	-0.005	0.003	2499.30465	2510.99658
100 %		50	0.000	-0.003	2499.30050	2511.00344
Batt. Endpoint	3.300	20	-0.007	0.004	2499.30691	2510.99616

▣ PCC Channel: 39705
▣ PCC Frequency: 2501.5 MHz
▣ PCC BandWidth: 10 MHz
▣ SCC Channel: 39849
▣ SCC Frequency: 2515.9 MHz
▣ SCC BandWidth: 20 MHz
▣ Voltage : 3.880 VDC
▣ LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (℃)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	-0.010	-0.015	2501.50972	2515.91541
100 %		-30	0.000	-0.004	2501.49974	2515.90351
100 %		-20	-0.004	-0.010	2501.50372	2515.90981
100 %		-10	-0.009	0.002	2501.50856	2515.89839
100 %		0	0.006	-0.006	2501.49351	2515.90560
100 %		10	-0.019	-0.004	2501.51934	2515.90411
100 %		30	-0.009	-0.005	2501.50943	2515.90501
100 %		40	0.006	-0.008	2501.49415	2515.90757
100 %		50	-0.002	0.000	2501.50250	2515.89976
Batt. Endpoint	3.300	20	-0.007	-0.012	2501.50657	2515.91200

▣ PCC Channel: 39728
▣ PCC Frequency: 2503.8 MHz
▣ PCC BandWidth: 15 MHz
▣ SCC Channel: 39899
▣ SCC Frequency: 2520.9 MHz
▣ SCC BandWidth: 20 MHz
▣ Voltage : 3.880 VDC
▣ LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (℃)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	0.000	-0.004	2503.79999	2520.90387
100 %		-30	0.009	0.005	2503.79123	2520.89540
100 %		-20	0.003	-0.009	2503.79746	2520.90890
100 %		-10	-0.002	0.008	2503.80212	2520.89204
100 %		0	0.012	-0.006	2503.78777	2520.90580
100 %		10	-0.011	0.009	2503.81119	2520.89149
100 %		30	0.000	-0.003	2503.80041	2520.90320
100 %		40	0.003	0.009	2503.79718	2520.89125
100 %		50	0.003	0.005	2503.79694	2520.89511
Batt. Endpoint	3.300	20	-0.013	0.005	2503.81329	2520.89499

▣ PCC Channel: 39750
▣ PCC Frequency: 2506.0 MHz
▣ PCC BandWidth: 20 MHz
▣ SCC Channel: 39948
▣ SCC Frequency: 2525.8 MHz
▣ SCC BandWidth: 20 MHz
▣ Voltage : 3.880 VDC
▣ LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (℃)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	0.001	0.005	2505.99934	2525.79506
100 %		-30	-0.001	-0.012	2506.00054	2525.81246
100 %		-20	-0.016	-0.008	2506.01613	2525.80777
100 %		-10	-0.011	0.007	2506.01083	2525.79287
100 %		0	-0.002	-0.008	2506.00245	2525.80816
100 %		10	-0.003	-0.006	2506.00311	2525.80559
100 %		30	-0.021	-0.007	2506.02057	2525.80685
100 %		40	0.004	-0.008	2505.99554	2525.80821
100 %		50	-0.014	-0.012	2506.01448	2525.81205
Batt. Endpoint	3.300	20	-0.005	-0.011	2506.00501	2525.81058

▣ PCC Channel: 41373
▣ PCC Frequency: 2668.3 MHz
▣ PCC BandWidth: 5 MHz
▣ SCC Channel: 41490
▣ SCC Frequency: 2680.0 MHz
▣ SCC BandWidth: 20 MHz
▣ Voltage : 3.880 VDC
▣ LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (℃)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	-0.018	-0.009	2668.31776	2680.00945
100 %		-30	-0.008	-0.003	2668.30752	2680.00319
100 %		-20	-0.010	0.008	2668.30984	2679.99186
100 %		-10	0.008	-0.008	2668.29187	2680.00802
100 %		0	-0.006	-0.011	2668.30636	2680.01132
100 %		10	-0.010	0.004	2668.31008	2679.99601
100 %		30	0.002	0.005	2668.29792	2679.99544
100 %		40	0.001	-0.021	2668.29855	2680.02099
100 %		50	0.004	-0.001	2668.29630	2680.00136
Batt. Endpoint	3.300	20	-0.011	0.004	2668.31131	2679.99638

▣ PCC Channel: 41346
▣ PCC Frequency: 2665.6 MHz
▣ PCC BandWidth: 10 MHz
▣ SCC Channel: 41490
▣ SCC Frequency: 2680.0 MHz
▣ SCC BandWidth: 20 MHz
▣ Voltage : 3.880 VDC
▣ LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (℃)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	0.012	-0.020	2665.58847	2680.01976
100 %		-30	-0.008	0.003	2665.60786	2679.99715
100 %		-20	-0.004	-0.002	2665.60393	2680.00159
100 %		-10	-0.005	0.003	2665.60546	2679.99723
100 %		0	-0.003	-0.021	2665.60252	2680.02111
100 %		10	-0.009	0.003	2665.60903	2679.99682
100 %		30	-0.015	-0.007	2665.61470	2680.00720
100 %		40	0.008	0.006	2665.59181	2679.99381
100 %		50	-0.018	-0.017	2665.61765	2680.01723
Batt. Endpoint	3.300	20	0.006	-0.004	2665.59422	2680.00352

▣ PCC Channel: 41319
▣ PCC Frequency: 2662.9 MHz
▣ PCC BandWidth: 15 MHz
▣ SCC Channel: 41490
▣ SCC Frequency: 2680.0 MHz
▣ SCC BandWidth: 20 MHz
▣ Voltage : 3.880 VDC
▣ LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (℃)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	-0.007	-0.008	2662.90661	2680.00811
100 %		-30	-0.015	-0.003	2662.91540	2680.00257
100 %		-20	-0.005	-0.001	2662.90486	2680.00065
100 %		-10	0.011	-0.003	2662.88871	2680.00307
100 %		0	-0.007	0.009	2662.90681	2679.99102
100 %		10	0.000	-0.014	2662.89963	2680.01406
100 %		30	-0.007	0.007	2662.90687	2679.99331
100 %		40	-0.009	-0.015	2662.90920	2680.01518
100 %		50	-0.004	-0.007	2662.90415	2680.00682
Batt. Endpoint	3.300	20	-0.003	-0.012	2662.90269	2680.01196

▣ PCC Channel: 41292
▣ PCC Frequency: 2660.2 MHz
▣ PCC BandWidth: 20 MHz
▣ SCC Channel: 41490
▣ SCC Frequency: 2680.0 MHz
▣ SCC BandWidth: 20 MHz
▣ Voltage : 3.880 MHz
▣ LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (℃)	PPM		Frequency Error (MHz)	
			PCC	SCC	PCC	SCC
100 %	3.880	+20(Ref)	0.004	-0.002	2660.19594	2680.00206
100 %		-30	0.007	-0.006	2660.19265	2680.00559
100 %		-20	0.000	-0.011	2660.19971	2680.01135
100 %		-10	0.007	-0.004	2660.19316	2680.00385
100 %		0	-0.004	0.003	2660.20392	2679.99730
100 %		10	0.001	0.004	2660.19914	2679.99617
100 %		30	-0.004	-0.015	2660.20357	2680.01522
100 %		40	0.004	0.002	2660.19596	2679.99788
100 %		50	-0.001	0.009	2660.20124	2679.99109
Batt. Endpoint	3.300	20	-0.001	0.000	2660.20088	2680.00013

8.6 Radiated Spurious Emissions

- ▣ PCC Channel : 39750 (2506.0 MHz)
- ▣ PCC BW(MHz) : 20
- ▣ PCC RB/ RB Offset : 1/ 99
- ▣ SCC Channel : 39948 (2525.8 MHz)
- ▣ SCC BW(MHz) : 20
- ▣ SCC RB/ RB Offset : 1/ 0
- ▣ DISTANCE: 1 meters
- ▣ LIMIT: -25.0 dBm

Freq.(MHz)	Measured Level [dBm]	Ant. Gain (dBi)	Substitute Level [dBm]	C.L	Pol.	Result (dBm)
5 031.80	-36.16	12.48	-46.27	3.89	H	-37.68
7 547.70	-48.52	10.92	-48.39	4.72	V	-42.19
10 063.60	-57.89	11.44	-54.15	5.48	V	-48.19

▣ PCC Channel : 40521 (2583.1 MHz)

▣ PCC BW(MHz) : 5

▣ PCC RB/ RB Offset : 1/ 99

▣ SCC Channel : 40719 (2602.9 MHz)

▣ SCC BW(MHz) : 20

▣ SCC RB/ RB Offset : 1/ 0

▣ DISTANCE: 1 meters

▣ LIMIT: -25.0 dBm

Freq.(MHz)	Measured Level [dBm]	Ant. Gain (dBi)	Substitute Level [dBm]	C.L	Pol.	Result (dBm)
5 186.00	-35.76	12.56	-44.54	3.82	V	-35.81
7 779.00	-51.52	11.41	-51.69	4.79	V	-45.07
10 372.00	-57.60	11.43	-52.15	5.59	H	-46.31

▣ PCC Channel : 41395 (2670.5 MHz)

▣ PCC BW(MHz) : 20

▣ PCC RB/ RB Offset : 1/ 49

▣ SCC Channel : 41490 (2682.5 MHz)

▣ SCC BW(MHz) : 15

▣ SCC RB/ RB Offset : 1/ 0

▣ DISTANCE: 1 meters

▣ LIMIT: -25.0 dBm

Freq.(MHz)	Measured Level [dBm]	Ant. Gain (dBi)	Substitute Level [dBm]	C.L	Pol.	Result (dBm)
5 353.00	-35.11	13.09	-44.02	3.89	H	-34.81
8 029.50	-43.92	10.72	-42.23	4.87	H	-36.38
10 706.00	-53.79	11.35	-49.59	5.82	V	-44.06

8.7 Occupied Bandwidth

PCC					SCC					Data (MHz)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	QPSK	25/ 0	20	40645	2595.5	QPSK	100/ 0	22.868
10	40549	2585.9	QPSK	50/ 0	15	40669	2597.9	QPSK	75/ 0	23.216
10	40526	2583.6	QPSK	50/ 0	20	40670	2598.0	QPSK	100/ 0	27.787
15	40571	2588.1	QPSK	75/ 0	10	40691	2600.1	QPSK	50/ 0	23.173
15	40545	2585.5	QPSK	75/ 0	15	40695	2600.5	QPSK	75/ 0	28.421
15	40523	2583.3	QPSK	75/ 0	20	40694	2600.4	QPSK	100/ 0	32.747
20	40595	2590.5	QPSK	100/ 0	5	40712	2602.2	QPSK	25/ 0	23.059
20	40571	2588.1	QPSK	100/ 0	10	40715	2602.5	QPSK	50/ 0	27.860
20	40546	2585.6	QPSK	100/ 0	15	40717	2602.7	QPSK	75/ 0	32.733
20	40521	2583.1	QPSK	100/ 0	20	40719	2602.9	QPSK	100/ 0	37.657

PCC					SCC					Data (MHz)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	16QAM	25/ 0	20	40645	2595.5	16QAM	100/ 0	22.720
10	40549	2585.9	16QAM	50/ 0	15	40669	2597.9	16QAM	75/ 0	23.161
10	40526	2583.6	16QAM	50/ 0	20	40670	2598.0	16QAM	100/ 0	27.822
15	40571	2588.1	16QAM	75/ 0	10	40691	2600.1	16QAM	50/ 0	23.229
15	40545	2585.5	16QAM	75/ 0	15	40695	2600.5	16QAM	75/ 0	28.438
15	40523	2583.3	16QAM	75/ 0	20	40694	2600.4	16QAM	100/ 0	32.660
20	40595	2590.5	16QAM	100/ 0	5	40712	2602.2	16QAM	25/ 0	22.965
20	40571	2588.1	16QAM	100/ 0	10	40715	2602.5	16QAM	50/ 0	27.866
20	40546	2585.6	16QAM	100/ 0	15	40717	2602.7	16QAM	75/ 0	32.695
20	40521	2583.1	16QAM	100/ 0	20	40719	2602.9	16QAM	100/ 0	37.656

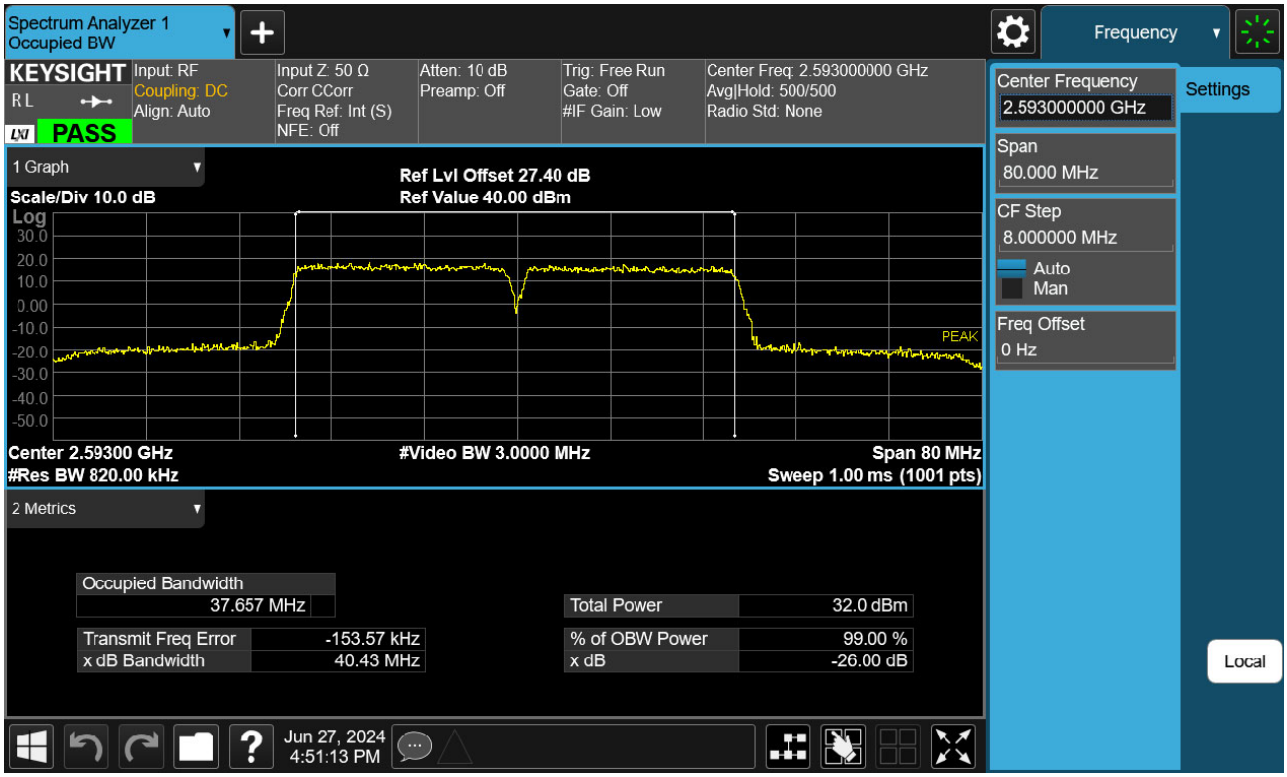
PCC					SCC					Data (MHz)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	64QAM	25/ 0	20	40645	2595.5	64QAM	100/ 0	22.858
10	40549	2585.9	64QAM	50/ 0	15	40669	2597.9	64QAM	75/ 0	23.118
10	40526	2583.6	64QAM	50/ 0	20	40670	2598.0	64QAM	100/ 0	27.772
15	40571	2588.1	64QAM	75/ 0	10	40691	2600.1	64QAM	50/ 0	23.248
15	40545	2585.5	64QAM	75/ 0	15	40695	2600.5	64QAM	75/ 0	28.391
15	40523	2583.3	64QAM	75/ 0	20	40694	2600.4	64QAM	100/ 0	32.637
20	40595	2590.5	64QAM	100/ 0	5	40712	2602.2	64QAM	25/ 0	22.950
20	40571	2588.1	64QAM	100/ 0	10	40715	2602.5	64QAM	50/ 0	27.849
20	40546	2585.6	64QAM	100/ 0	15	40717	2602.7	64QAM	75/ 0	32.640
20	40521	2583.1	64QAM	100/ 0	20	40719	2602.9	64QAM	100/ 0	37.645

PCC					SCC					Data (MHz)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	256QAM	25/ 0	20	40645	2595.5	256QAM	100/ 0	22.899
10	40549	2585.9	256QAM	50/ 0	15	40669	2597.9	256QAM	75/ 0	23.131
10	40526	2583.6	256QAM	50/ 0	20	40670	2598.0	256QAM	100/ 0	27.743
15	40571	2588.1	256QAM	75/ 0	10	40691	2600.1	256QAM	50/ 0	23.209
15	40545	2585.5	256QAM	75/ 0	15	40695	2600.5	256QAM	75/ 0	28.347
15	40523	2583.3	256QAM	75/ 0	20	40694	2600.4	256QAM	100/ 0	32.662
20	40595	2590.5	256QAM	100/ 0	5	40712	2602.2	256QAM	25/ 0	22.907
20	40571	2588.1	256QAM	100/ 0	10	40715	2602.5	256QAM	50/ 0	27.792
20	40546	2585.6	256QAM	100/ 0	15	40717	2602.7	256QAM	75/ 0	32.669
20	40521	2583.1	256QAM	100/ 0	20	40719	2602.9	256QAM	100/ 0	37.699

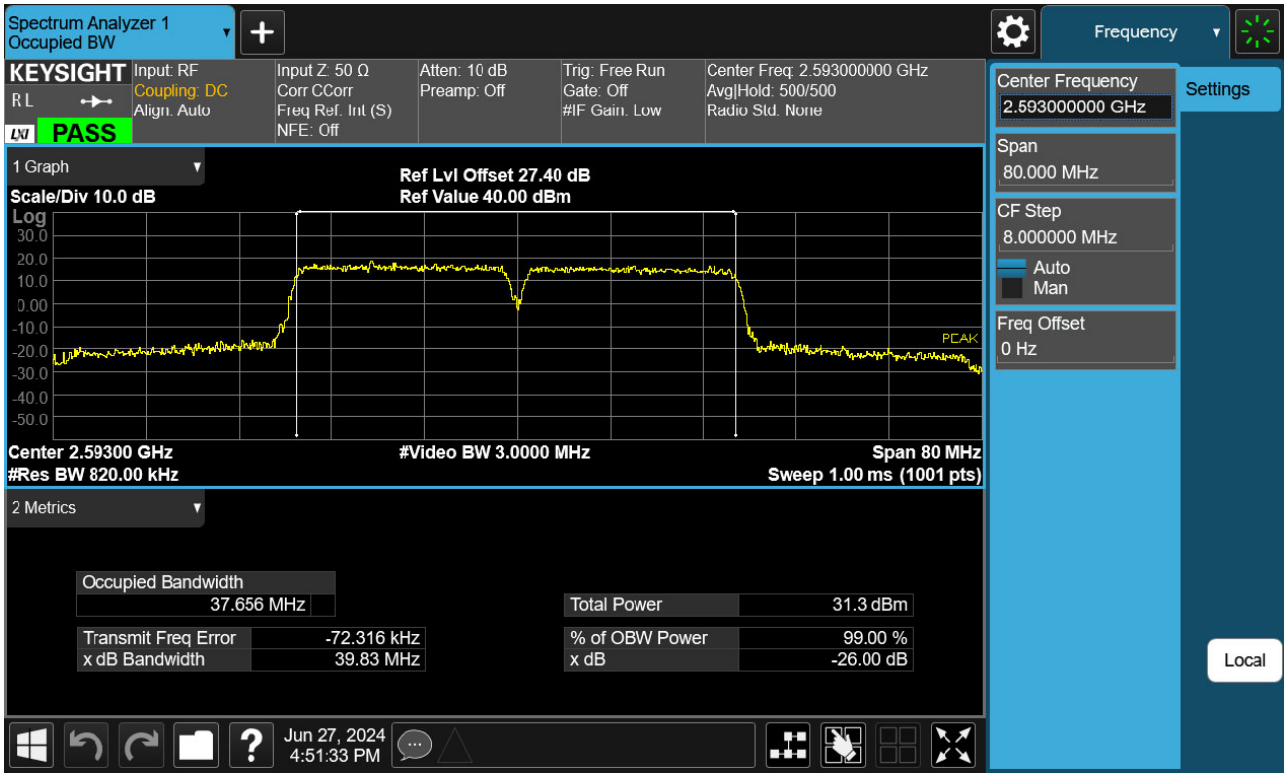
Note:

In order to simplify the report, attached plots were only Max.Bandwidth(20+20)

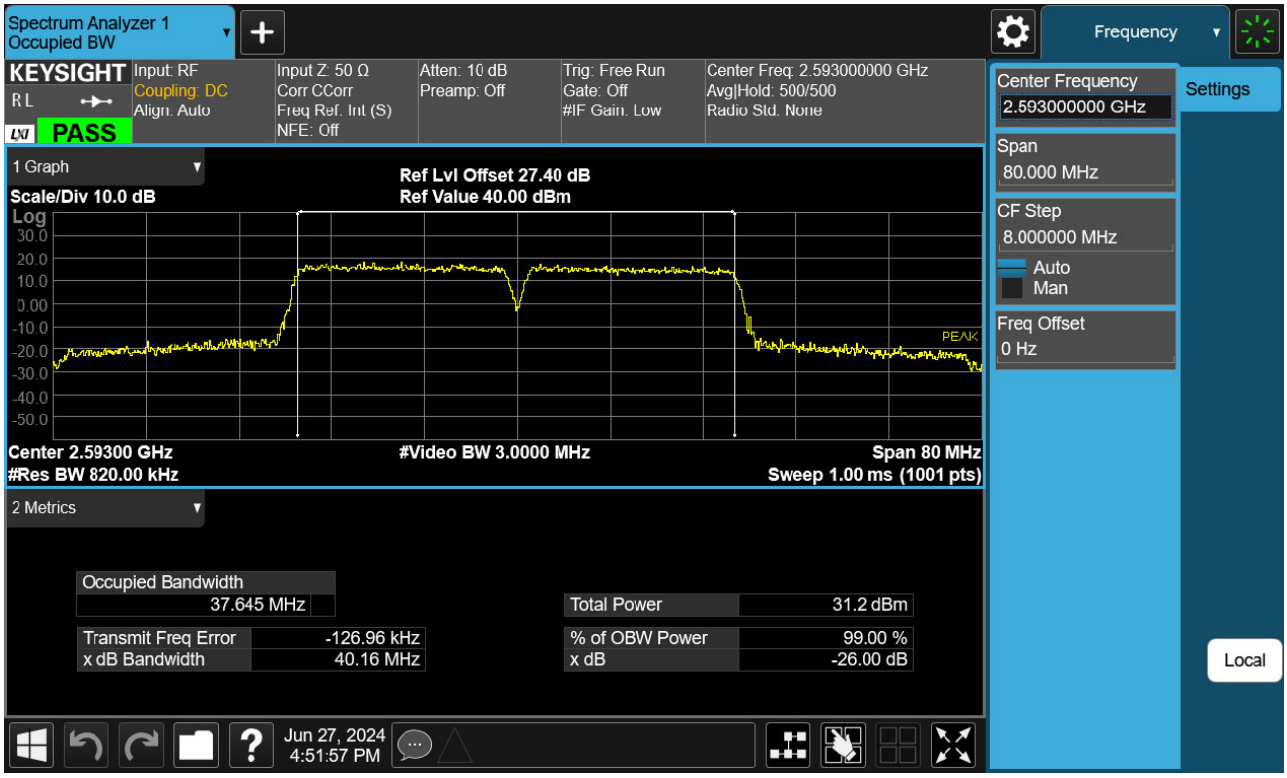
PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(QPSK)



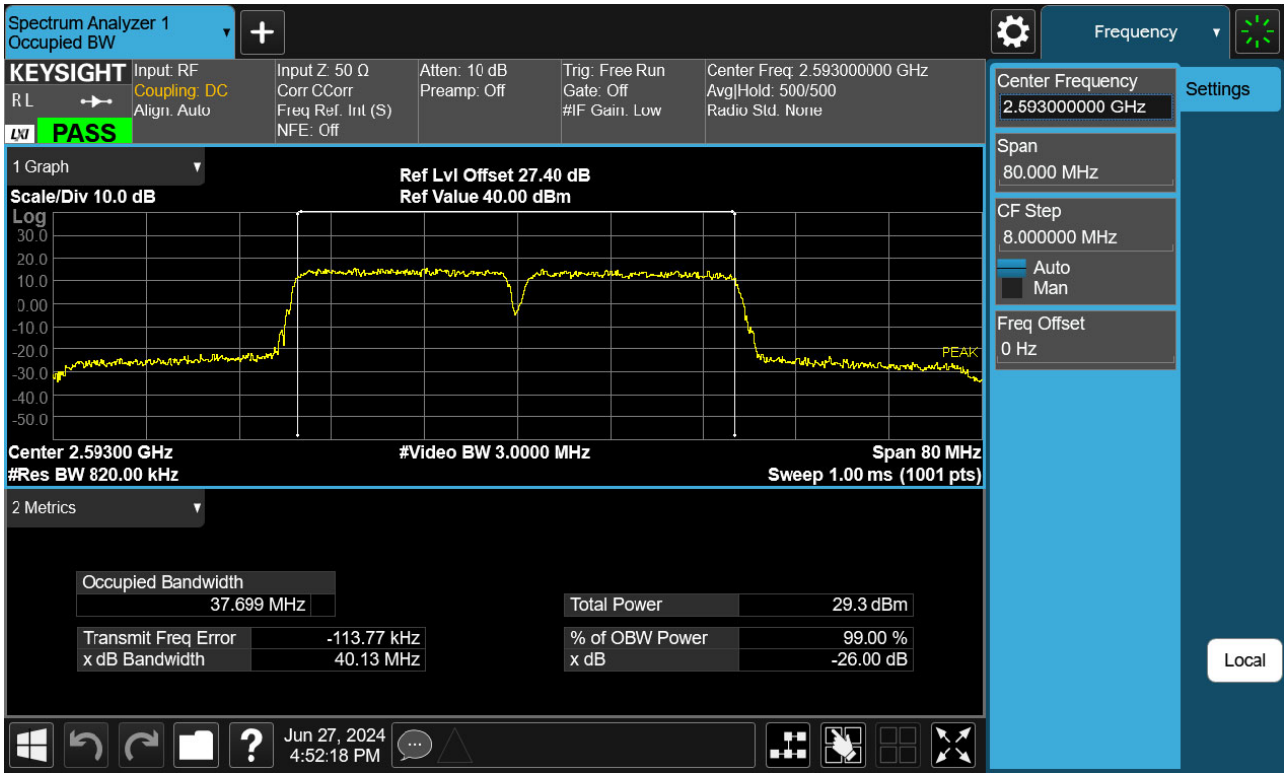
PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(16QAM)



PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(64QAM)



PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(256QAM)



8.8 Peak- to- Average Ratio

PCC					SCC					Data (dB)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	QPSK	25/ 0	20	40645	2595.5	QPSK	100/ 0	6.27
10	40549	2585.9	QPSK	50/ 0	15	40669	2597.9	QPSK	75/ 0	6.30
10	40526	2583.6	QPSK	50/ 0	20	40670	2598.0	QPSK	100/ 0	6.31
15	40571	2588.1	QPSK	75/ 0	10	40691	2600.1	QPSK	50/ 0	6.29
15	40545	2585.5	QPSK	75/ 0	15	40695	2600.5	QPSK	75/ 0	6.82
15	40523	2583.3	QPSK	75/ 0	20	40694	2600.4	QPSK	100/ 0	6.31
20	40595	2590.5	QPSK	100/ 0	5	40712	2602.2	QPSK	25/ 0	6.27
20	40571	2588.1	QPSK	100/ 0	10	40715	2602.5	QPSK	50/ 0	6.28
20	40546	2585.6	QPSK	100/ 0	15	40717	2602.7	QPSK	75/ 0	6.32
20	40521	2583.1	QPSK	100/ 0	20	40719	2602.9	QPSK	100/ 0	7.22

PCC					SCC					Data (dB)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	16QAM	25/ 0	20	40645	2595.5	16QAM	100/ 0	6.83
10	40549	2585.9	16QAM	50/ 0	15	40669	2597.9	16QAM	75/ 0	6.83
10	40526	2583.6	16QAM	50/ 0	20	40670	2598.0	16QAM	100/ 0	6.83
15	40571	2588.1	16QAM	75/ 0	10	40691	2600.1	16QAM	50/ 0	6.85
15	40545	2585.5	16QAM	75/ 0	15	40695	2600.5	16QAM	75/ 0	7.97
15	40523	2583.3	16QAM	75/ 0	20	40694	2600.4	16QAM	100/ 0	6.81
20	40595	2590.5	16QAM	100/ 0	5	40712	2602.2	16QAM	25/ 0	6.85
20	40571	2588.1	16QAM	100/ 0	10	40715	2602.5	16QAM	50/ 0	6.83
20	40546	2585.6	16QAM	100/ 0	15	40717	2602.7	16QAM	75/ 0	6.86
20	40521	2583.1	16QAM	100/ 0	20	40719	2602.9	16QAM	100/ 0	8.00

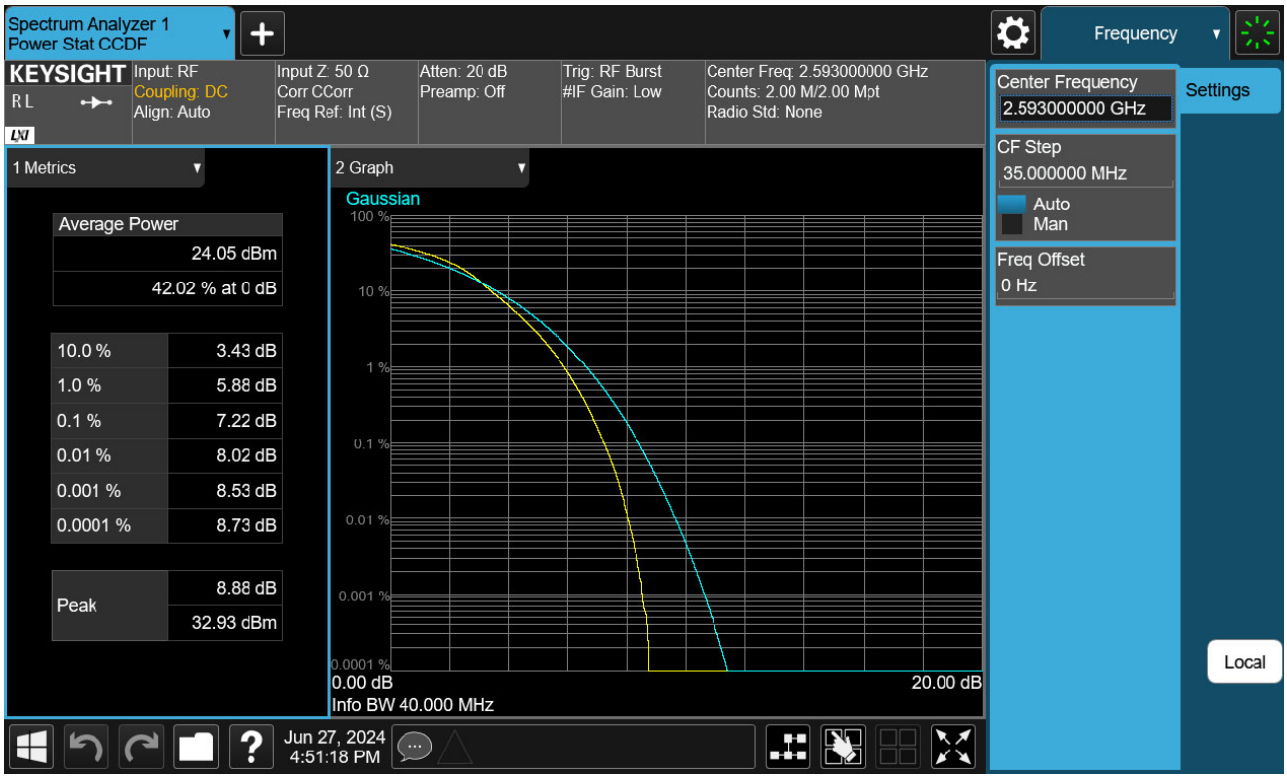
PCC					SCC					Data (dB)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	64QAM	25/ 0	20	40645	2595.5	64QAM	100/ 0	6.93
10	40549	2585.9	64QAM	50/ 0	15	40669	2597.9	64QAM	75/ 0	7.01
10	40526	2583.6	64QAM	50/ 0	20	40670	2598.0	64QAM	100/ 0	6.90
15	40571	2588.1	64QAM	75/ 0	10	40691	2600.1	64QAM	50/ 0	6.94
15	40545	2585.5	64QAM	75/ 0	15	40695	2600.5	64QAM	75/ 0	8.15
15	40523	2583.3	64QAM	75/ 0	20	40694	2600.4	64QAM	100/ 0	6.92
20	40595	2590.5	64QAM	100/ 0	5	40712	2602.2	64QAM	25/ 0	7.00
20	40571	2588.1	64QAM	100/ 0	10	40715	2602.5	64QAM	50/ 0	6.93
20	40546	2585.6	64QAM	100/ 0	15	40717	2602.7	64QAM	75/ 0	6.95
20	40521	2583.1	64QAM	100/ 0	20	40719	2602.9	64QAM	100/ 0	8.19

PCC					SCC					Data (dB)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	40528	2583.8	256QAM	25/ 0	20	40645	2595.5	256QAM	100/ 0	7.07
10	40549	2585.9	256QAM	50/ 0	15	40669	2597.9	256QAM	75/ 0	7.13
10	40526	2583.6	256QAM	50/ 0	20	40670	2598.0	256QAM	100/ 0	7.06
15	40571	2588.1	256QAM	75/ 0	10	40691	2600.1	256QAM	50/ 0	7.12
15	40545	2585.5	256QAM	75/ 0	15	40695	2600.5	256QAM	75/ 0	8.35
15	40523	2583.3	256QAM	75/ 0	20	40694	2600.4	256QAM	100/ 0	7.06
20	40595	2590.5	256QAM	100/ 0	5	40712	2602.2	256QAM	25/ 0	7.06
20	40571	2588.1	256QAM	100/ 0	10	40715	2602.5	256QAM	50/ 0	7.06
20	40546	2585.6	256QAM	100/ 0	15	40717	2602.7	256QAM	75/ 0	7.08
20	40521	2583.1	256QAM	100/ 0	20	40719	2602.9	256QAM	100/ 0	8.44

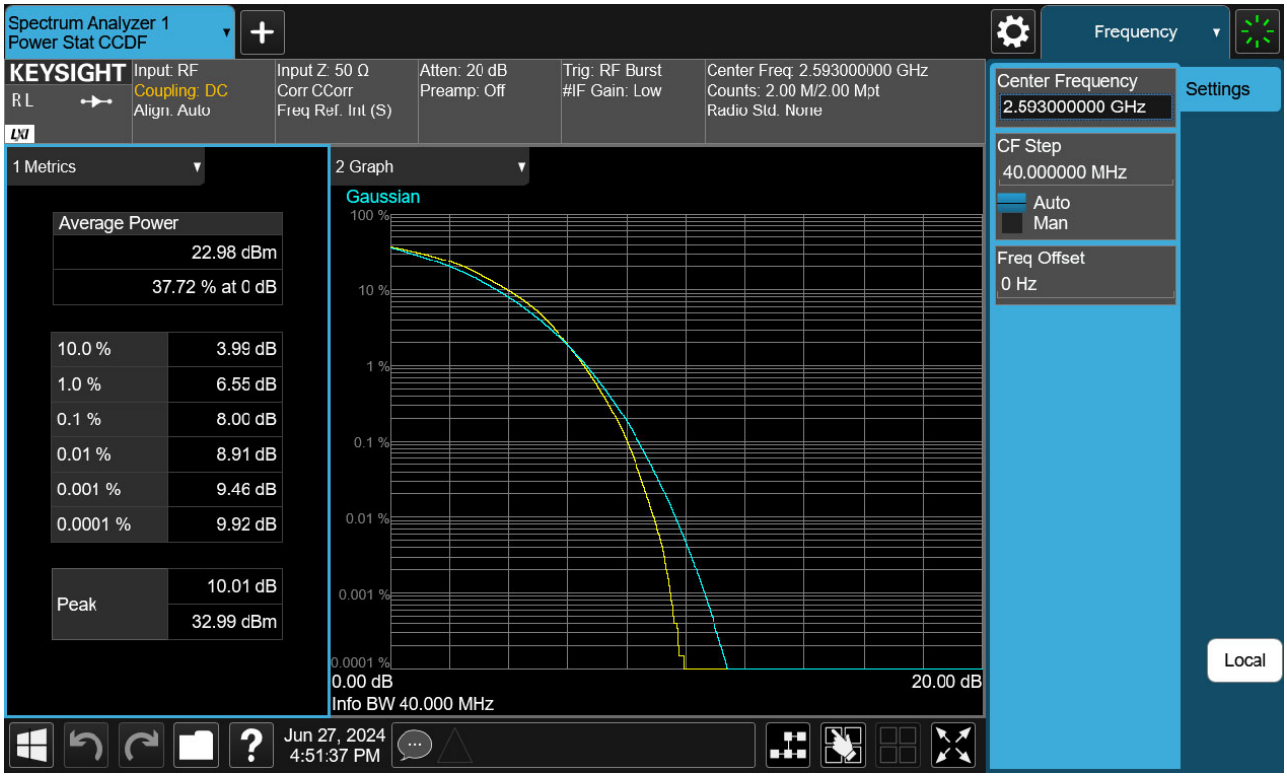
Note:

In order to simplify the report, attached plots were only Max.Bandwidth(20+20)

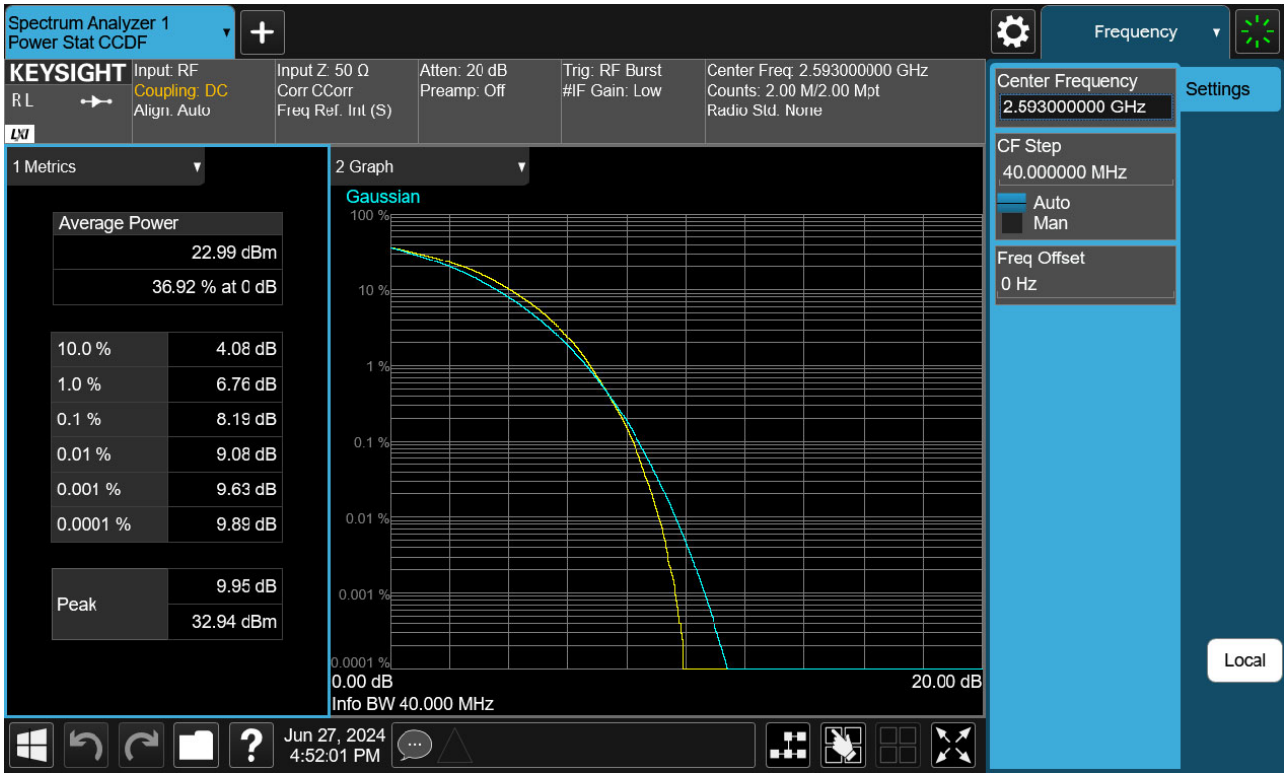
PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(QPSK)



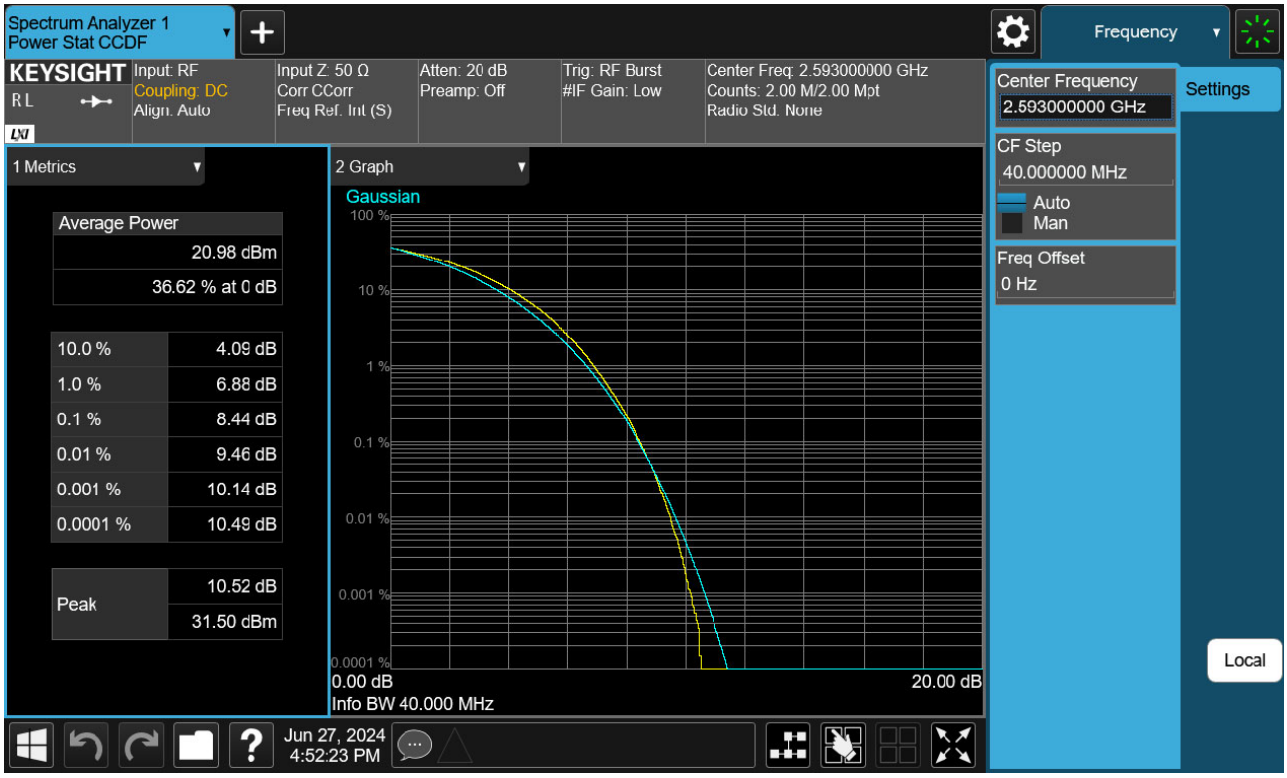
PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(16QAM)



PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(64QAM)



PCC 20 MHz Ch40521 RB100 Offset0, SCC 20 MHz Ch40719 RB100 Offset0_(256QAM)



9. TEST DATA(Sub 5 Ant) (ANT F)

Test Overview

The EUT is set up to transmit two contiguous LTE channels. The power level of both carriers and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Note

1. All tests were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth.
2. Channel bandwidth is shown in the tables below based only on the channel bandwidths that were supported in this device.

Channel Bandwidth (PCC)	Channel Bandwidth (SCC)	Maximum aggregated bandwidth (MHz)
5	20	25
10	15	25
10	20	30
15	10	35
15	15	30
15	20	35
20	5	25
20	10	30
20	15	35
20	20	40

3. All modes of operation were investigated and the worst case configuration results are reported in this section.
   Please refer to the table below.
 - Worst case(Conducted Spurious Emissions, Band Edge)
   : We have selected higher of the Conduction Output Power.
 - Worst case(Radiated Spurious Emissions) : We have selected higher of the EIRP.
 - Worst case(OBW, PAR, Frequency stability)
   : All modes of operation were investigated and the worst case configuration results are reported.
4. All modes of operation were investigated and the worst case configuration results are reported.
   Mode : Stand alone, Stand alone + External accessories (Earphone, AC adapter, etc)
   Worst case : Stand alone.
5. All simultaneous transmission scenarios of operation were investigated, and the test results showed no additional significant emissions relative to the least restrictive limit were observed.
   Therefore, only the worst case(stand-alone) results were reported.
6. All 3 channels(low/mid/high) of conducted power and radiated power were investigated and the worst case channel results are reported.

[Worst case]

Test Description	Mod	Operating frequency	PCC					SCC				
			BW (MHz)	Freq. (MHz)	Ch.	RB	RB Offset	BW (MHz)	Freq. (MHz)	Ch.	RB	RB Offset
Conducted Spurious Emissions/ Band Edge	QPSK	Low	15	2503.5	39725	1	74	10	2515.5	39845	1	0
		Mid	5	2583.8	40528	1	24	20	2595.5	40645	1	0
		High	20	2660.2	41292	1	99	20	2680.0	41490	1	0
		Low	15	2503.5	39725	1	0	10	2515.5	39845	1	49
		Mid	5	2583.8	40528	1	0	20	2595.5	40645	1	99
		High	20	2660.2	41292	1	0	20	2680.0	41490	1	99
		Low	20	2506.0	39750	100	0	20	2525.8	39948	100	0
		Mid	20	2583.1	40521	100	0	20	2602.9	40719	100	0
		High	20	2660.2	41292	100	0	20	2680.0	41490	100	0
Radiated Spurious Emissions	QPSK	Low	20	2506.0	39750	1	99	20	2525.8	39948	1	0
		Mid	20	2583.1	40521	1	99	20	2602.9	40719	1	0
		High	20	2660.2	41292	1	99	20	2680.0	41490	1	0

[Worst case]

Test Description	Mod	Operating frequency	PCC					SCC				
			BW (MHz)	Freq. (MHz)	Ch.	RB	RB Offset	BW (MHz)	Freq. (MHz)	Ch.	RB	RB Offset
OBW, PAR	QPSK, 16QAM, 64QAM 256QAM	Mid	5	2583.8	40528	25	0	20	2595.5	40645	100	0
			10	2585.9	40549	50	0	15	2597.9	40669	75	0
			10	2583.6	40526	50	0	20	2598.0	40670	100	0
			15	2588.1	40571	75	0	10	2600.1	40691	50	0
			15	2585.5	40545	75	0	15	2600.5	40695	75	0
			15	2583.3	40523	75	0	20	2600.4	40694	100	0
			20	2590.5	40595	100	0	5	2602.2	40712	25	0
			20	2588.1	40571	100	0	10	2602.5	40715	50	0
			20	2585.6	40546	100	0	15	2602.7	40717	75	0
			20	2583.1	40521	100	0	20	2602.9	40719	100	0
Frequency stability	QPSK	Low	5	2499.3	39683	25	0	20	2511.0	39800	100	0
			10	2501.5	39705	50	0	20	2515.9	39849	100	0
			15	2503.8	39728	75	0	20	2520.9	39899	100	0
			20	2506.0	39750	100	0	20	2525.8	39948	100	0
		High	5	2668.3	41373	25	0	20	2680.0	41490	100	0
			10	2665.6	41346	50	0	20	2680.0	41490	100	0
			15	2662.9	41319	75	0	20	2680.0	41490	100	0
			20	2660.2	41292	100	0	20	2680.0	41490	100	0

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9.1 Conducted Power

Operating frequency	PCC					SCC					Conducted. Power [dBm]
	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	
Low	5	2499.3	39683	1	24	20	2511.0	39800	1	0	22.88
	10	2501.3	39703	1	49	15	2513.3	39823	1	0	22.96
	10	2501.5	39705	1	49	20	2515.9	39849	1	0	22.90
	15	***2503.5***	***39725***	***1***	***74***	***10***	***2515.5***	***39845***	***1***	***0***	***23.03***
	15	2503.5	39725	1	74	15	2518.5	39875	1	0	22.97
	15	2503.8	39728	1	74	20	2520.9	39899	1	0	22.90
	20	2506.0	39750	1	99	5	2517.7	39867	1	0	22.90
	20	2506.0	39750	1	99	10	2520.4	39894	1	0	22.89
	20	2506.0	39750	1	99	15	2523.1	39921	1	0	22.85
	20	2506.0	39750	1	99	20	2525.8	39948	1	0	22.88
Mid	***5***	***2583.8***	***40528***	***1***	***24***	***20***	***2595.5***	***40645***	***1***	***0***	***23.39***
	10	2585.9	40549	1	49	15	2597.9	40669	1	0	23.07
	10	2583.6	40526	1	49	20	2598.0	40670	1	0	23.04
	15	2588.1	40571	1	74	10	2600.1	40691	1	0	23.05
	15	2585.5	40545	1	74	15	2600.5	40695	1	0	23.05
	15	2583.3	40523	1	74	20	2600.4	40694	1	0	23.02
	20	2590.5	40595	1	99	5	2602.2	40712	1	0	23.07
	20	2588.1	40571	1	99	10	2602.5	40715	1	0	23.02
	20	2585.6	40546	1	99	15	2602.7	40717	1	0	23.02
	20	2583.1	40521	1	99	20	2602.9	40719	1	0	23.02
High	5	2668.3	41373	1	24	20	2680.0	41490	1	0	22.94
	10	2670.5	41395	1	49	15	2682.5	41515	1	0	22.94
	10	2665.6	41346	1	49	20	2680.0	41490	1	0	22.99
	15	2672.7	41417	1	74	10	2684.7	41537	1	0	22.86
	15	2667.5	41365	1	74	15	2682.5	41515	1	0	22.94
	15	2662.9	41319	1	74	20	2680.0	41490	1	0	22.99
	20	2675.0	41440	1	99	5	2686.7	41557	1	0	22.73
	20	2670.1	41391	1	99	10	2684.5	41535	1	0	22.80
	20	2665.1	41341	1	99	15	2682.2	41512	1	0	22.80
	20	***2660.2***	***41292***	***1***	***99***	***20***	***2680.0***	***41490***	***1***	***0***	***23.00***

Note:

Modulation : QPSK(1RB)

Operating frequency	PCC					SCC					Conducted. Power [dBm]
	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	
Low	5	2499.3	39683	25	0	20	2511.0	39800	100	0	21.12
	10	2501.3	39703	50	0	15	2513.3	39823	75	0	21.18
	10	2501.5	39705	50	0	20	2515.9	39849	100	0	21.10
	15	2503.5	39725	75	0	10	2515.5	39845	50	0	21.19
	15	2503.5	39725	75	0	15	2518.5	39875	75	0	21.22
	15	2503.8	39728	75	0	20	2520.9	39899	100	0	21.22
	20	2506.0	39750	100	0	5	2517.7	39867	25	0	21.13
	20	2506.0	39750	100	0	10	2520.4	39894	50	0	21.12
	20	2506.0	39750	100	0	15	2523.1	39921	75	0	21.13
	20	***2506.0***	***39750***	***100***	***0***	***20***	***2525.8***	***39948***	***100***	***0***	***21.23***
Mid	5	2583.8	40528	25	0	20	2595.5	40645	100	0	21.18
	10	2585.9	40549	50	0	15	2597.9	40669	75	0	21.23
	10	2583.6	40526	50	0	20	2598.0	40670	100	0	21.19
	15	2588.1	40571	75	0	10	2600.1	40691	50	0	21.22
	15	2585.5	40545	75	0	15	2600.5	40695	75	0	21.29
	15	2583.3	40523	75	0	20	2600.4	40694	100	0	21.24
	20	2590.5	40595	100	0	5	2602.2	40712	25	0	21.29
	20	2588.1	40571	100	0	10	2602.5	40715	50	0	21.27
	20	2585.6	40546	100	0	15	2602.7	40717	75	0	21.23
	20	***2583.1***	***40521***	***100***	***0***	***20***	***2602.9***	***40719***	***100***	***0***	***21.30***
High	5	2668.3	41373	25	0	20	2680.0	41490	100	0	21.16
	10	2670.5	41395	50	0	15	2682.5	41515	75	0	21.10
	10	2665.6	41346	50	0	20	2680.0	41490	100	0	21.19
	15	2672.7	41417	75	0	10	2684.7	41537	50	0	21.09
	15	2667.5	41365	75	0	15	2682.5	41515	75	0	21.14
	15	2662.9	41319	75	0	20	2680.0	41490	100	0	21.20
	20	2675.0	41440	100	0	5	2686.7	41557	25	0	21.03
	20	2670.1	41391	100	0	10	2684.5	41535	50	0	21.17
	20	2665.1	41341	100	0	15	2682.2	41512	75	0	21.08
	20	***2660.2***	***41292***	***100***	***0***	***20***	***2680.0***	***41490***	***100***	***0***	***21.27***

Note:

Modulation : QPSK(Full RB)

Operating frequency	PCC					SCC					Conducted. Power [dBm]
	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	
Low	15	2503.5	39725	1	74	10	2515.5	39845	1	0	22.18
Mid	5	2583.8	40528	1	24	20	2595.5	40645	1	0	22.12
High	20	2660.2	41292	1	99	20	2680.0	41490	1	0	22.45
Low	20	2506.0	39750	100	0	20	2525.8	39948	100	0	20.37
Mid	20	2583.1	40521	100	0	20	2602.9	40719	100	0	20.52
High	20	2660.2	41292	100	0	20	2680.0	41490	100	0	20.36

Note:

Modulation : 16QAM

Operating frequency	PCC					SCC					Conducted. Power [dBm]
	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	
Low	15	2503.5	39725	1	74	10	2515.5	39845	1	0	20.35
Mid	5	2583.8	40528	1	24	20	2595.5	40645	1	0	20.31
High	20	2660.2	41292	1	99	20	2680.0	41490	1	0	20.55
Low	20	2506.0	39750	100	0	20	2525.8	39948	100	0	20.17
Mid	20	2583.1	40521	100	0	20	2602.9	40719	100	0	20.50
High	20	2660.2	41292	100	0	20	2680.0	41490	100	0	20.34

Note:

Modulation : 64QAM

Operating frequency	PCC					SCC					Conducted. Power [dBm]
	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	Bandwidth [MHz]	Freq. (MHz)	Channel	RB	RB Offset	
Low	15	2503.5	39725	1	74	10	2515.5	39845	1	0	18.60
Mid	5	2583.8	40528	1	24	20	2595.5	40645	1	0	18.67
High	20	2660.2	41292	1	99	20	2680.0	41490	1	0	18.60
Low	20	2506.0	39750	100	0	20	2525.8	39948	100	0	18.27
Mid	20	2583.1	40521	100	0	20	2602.9	40719	100	0	18.43
High	20	2660.2	41292	100	0	20	2680.0	41490	100	0	18.45

Note:

Modulation : 256QAM

9.2 Equivalent Isotropic Radiated Power

	PCC			SCC			Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	E.I.R.P	
	BW [MHz]	Channel	RB/ Offset	BW [MHz]	Channel	RB/ Offset						W	dBm
Low	5	39683	1/24	20	39800	1/0	-29.14	7.72	10.55	2.57	H	0.037	15.70
	10	39703	1/49	15	39823	1/0	-25.82	11.07	10.59	2.57	H	0.081	19.09
	10	39705	1/49	20	39849	1/0	-25.83	11.06	10.59	2.57	H	0.081	19.08
	15	39725	1/74	10	39845	1/0	-25.85	11.04	10.59	2.57	H	0.081	19.06
	15	39725	1/74	15	39875	1/0	-25.81	11.08	10.59	2.57	H	0.081	19.10
	15	39728	1/74	20	39899	1/0	-25.79	11.10	10.59	2.57	H	0.082	19.12
	20	39750	1/99	5	39867	1/0	-28.22	8.67	10.59	2.57	H	0.047	16.69
	20	39750	1/99	10	39894	1/0	-25.22	11.67	10.59	2.57	H	0.093	19.69
	20	39750	1/99	15	39921	1/0	-25.19	11.69	10.64	2.59	H	0.094	19.74
	20	***39750***	***1/99***	***20***	***39948***	***1/0***	***-25.14***	***11.74***	***10.64***	***2.59***	***H***	***0.095***	***19.79***
Mid	5	40528	1/24	20	40645	1/0	-26.75	10.47	10.64	2.71	H	0.069	18.40
	10	40549	1/49	15	40669	1/0	-23.95	13.27	10.64	2.71	H	0.132	21.20
	10	40526	1/49	20	40670	1/0	-24.00	13.22	10.64	2.71	H	0.130	21.15
	15	40571	1/74	10	40691	1/0	-23.70	13.41	10.64	2.68	H	0.137	21.37
	15	40545	1/74	15	40695	1/0	-23.60	13.62	10.64	2.71	H	0.143	21.55
	15	40523	1/74	20	40694	1/0	-24.11	13.11	10.64	2.71	H	0.127	21.04
	20	40595	1/99	5	40712	1/0	-26.75	10.36	10.64	2.68	H	0.068	18.32
	20	40571	1/99	10	40715	1/0	-23.61	13.50	10.64	2.68	H	0.140	21.46
	20	40546	1/99	15	40717	1/0	-23.69	13.42	10.64	2.68	H	0.137	21.38
	20	***40521***	***1/99***	***20***	***40719***	***1/0***	***-23.48***	***13.74***	***10.64***	***2.71***	***H***	***0.147***	***21.67***
High	5	41373	1/24	20	41490	1/0	-27.38	10.04	10.72	2.74	H	0.063	18.02
	10	41395	1/49	15	41515	1/0	-24.21	13.21	10.72	2.74	H	0.131	21.19
	10	41346	1/49	20	41490	1/0	-24.12	13.30	10.72	2.74	H	0.134	21.28
	15	41417	1/74	10	41537	1/0	-24.14	13.29	10.72	2.75	H	0.134	21.26
	15	41365	1/74	15	41515	1/0	-24.11	13.31	10.72	2.74	H	0.134	21.29
	15	41319	1/74	20	41490	1/0	-24.28	13.14	10.71	2.73	H	0.129	21.12
	20	41440	1/99	5	41557	1/0	-27.23	10.20	10.72	2.75	H	0.066	18.17
	20	41391	1/99	10	41535	1/0	-24.15	13.27	10.72	2.74	H	0.133	21.25
	20	41341	1/99	15	41512	1/0	-24.08	13.34	10.72	2.74	H	0.135	21.32
	20	***41292***	***1/99***	***20***	***41490***	***1/0***	***-24.07***	***13.35***	***10.71***	***2.73***	***H***	***0.136***	***21.33***

Note:

1. Modulation : QPSK

2. Limit : < 2 Watts

PCC			SCC			Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	E.I.R.P	
BW [MHz]	Channel	RB/ Offset	BW [MHz]	Channel	RB/ Offset						W	dBm
20	39750	100/0	20	39948	100/0	-25.03	11.85	10.64	2.59	H	0.098	19.90
5	40528	25/0	20	40645	100/0	-27.20	10.02	10.64	2.71	H	0.062	17.95
10	40549	50/0	15	40669	75/0	-23.88	13.34	10.64	2.71	H	0.134	21.27
10	40526	50/0	20	40670	100/0	-23.88	13.34	10.64	2.71	H	0.134	21.27
15	40571	75/0	10	40691	50/0	-23.67	13.44	10.64	2.68	H	0.138	21.40
15	40545	75/0	15	40695	75/0	-23.54	13.68	10.64	2.71	H	0.145	21.61
15	40523	75/0	20	40694	100/0	-24.02	13.20	10.64	2.71	H	0.130	21.13
20	40595	100/0	5	40712	25/0	-27.12	9.99	10.64	2.68	H	0.062	17.95
20	40571	100/0	10	40715	50/0	-23.54	13.57	10.64	2.68	H	0.142	21.53
20	40546	100/0	15	40717	75/0	-23.58	13.53	10.64	2.68	H	0.141	21.49
20	40521	100/0	20	40719	100/0	-23.39	13.83	10.64	2.71	H	0.150	21.76
20	41292	100/0	20	41490	100/0	-23.91	13.51	10.71	2.73	H	0.141	21.49

Note:

1. Modulation : 16QAM

2. Limit : < 2 Watts

PCC			SCC			Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	E.I.R.P	
BW [MHz]	Channel	RB/ Offset	BW [MHz]	Channel	RB/ Offset						W	dBm
20	39750	100/0	20	39948	100/0	-25.15	11.73	10.64	2.59	H	0.095	19.78
5	40528	25/0	20	40645	100/0	-27.23	9.99	10.64	2.71	H	0.062	17.92
10	40549	50/0	15	40669	75/0	-24.01	13.21	10.64	2.71	H	0.130	21.14
10	40526	50/0	20	40670	100/0	-24.05	13.17	10.64	2.71	H	0.129	21.10
15	40571	75/0	10	40691	50/0	-23.75	13.36	10.64	2.68	H	0.135	21.32
15	40545	75/0	15	40695	75/0	-23.65	13.57	10.64	2.71	H	0.141	21.50
15	40523	75/0	20	40694	100/0	-24.13	13.09	10.64	2.71	H	0.126	21.02
20	40595	100/0	5	40712	25/0	-27.17	9.94	10.64	2.68	H	0.062	17.90
20	40571	100/0	10	40715	50/0	-23.65	13.46	10.64	2.68	H	0.139	21.42
20	40546	100/0	15	40717	75/0	-23.71	13.40	10.64	2.68	H	0.137	21.36
20	40521	100/0	20	40719	100/0	-23.66	13.56	10.64	2.71	H	0.141	21.49
20	39750	100/0	20	39948	100/0	-25.15	11.73	10.64	2.59	H	0.095	19.78

Note:

1. Modulation : 64QAM

2. Limit : < 2 Watts

PCC			SCC			Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	E.I.R.P	
BW [MHz]	Channel	RB/ Offset	BW [MHz]	Channel	RB/ Offset						W	dBm
20	39750	100/0	20	39948	100/0	-25.23	11.65	10.64	2.59	H	0.093	19.70
5	40528	25/0	20	40645	100/0	-27.34	9.88	10.64	2.71	H	0.060	17.81
10	40549	50/0	15	40669	75/0	-24.08	13.14	10.64	2.71	H	0.128	21.07
10	40526	50/0	20	40670	100/0	-24.11	13.11	10.64	2.71	H	0.127	21.04
15	40571	75/0	10	40691	50/0	-23.90	13.21	10.64	2.68	H	0.131	21.17
15	40545	75/0	15	40695	75/0	-23.73	13.49	10.64	2.71	H	0.139	21.42
15	40523	75/0	20	40694	100/0	-24.15	13.07	10.64	2.71	H	0.126	21.00
20	40595	100/0	5	40712	25/0	-27.26	9.85	10.64	2.68	H	0.060	17.81
20	40571	100/0	10	40715	50/0	-23.67	13.44	10.64	2.68	H	0.138	21.40
20	40546	100/0	15	40717	75/0	-23.84	13.27	10.64	2.68	H	0.133	21.23
20	40521	100/0	20	40719	100/0	-23.73	13.49	10.64	2.71	H	0.139	21.42
20	39750	100/0	20	39948	100/0	-25.23	11.65	10.64	2.59	H	0.133	19.70

Note:

1. Modulation : 256QAM

2. Limit : < 2 Watts

9.3 Conducted Spurious Emissions

Operating frequency	PCC				SCC				Measurement Maximum Frequency (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)
	BW [MHz]	Ch.	Freq. (MHz)	RB/ Offset	BW [MHz]	Ch.	Freq. (MHz)	RB/ Offset				
Low	15	39725	2503.5	1/74	10	39845	2515.5	1/0	4.0404	31.955	-69.67	-37.71
Mid	5	40528	2583.8	1/24	20	40645	2595.5	1/0	4.0340	31.955	-69.61	-37.66
High	20	41292	2660.2	1/99	20	41490	2680.0	1/0	8.2986	32.570	-69.88	-37.31
Low	15	39725	2503.5	1/0	10	39845	2515.5	1/49	3.7957	31.955	-69.74	-37.79
Mid	5	40528	2583.8	1/0	20	40645	2595.5	1/99	2.7274	31.955	-69.27	-37.31
High	20	41292	2660.2	1/0	20	41490	2680.0	1/99	4.1282	31.955	-72.01	-40.06
Low	20	39750	2506.0	100/0	20	39948	2525.8	100/0	4.0315	31.955	-69.90	-37.94
Mid	20	40521	2583.1	100/0	20	40719	2602.9	100/0	4.0275	31.955	-69.80	-37.85
High	20	41292	2660.2	100/0	20	41490	2680.0	100/0	3.8131	31.955	-69.78	-37.82

Note:

1. Modulation : See Section 9.

2. Duty Cycle factor already applied on the factor.

   - Duty Cycle factor(dB) = 3.979

   - Factor(dB) = Duty Cycle factor + Cable Loss + Ext. Attenuator + Power Splitter

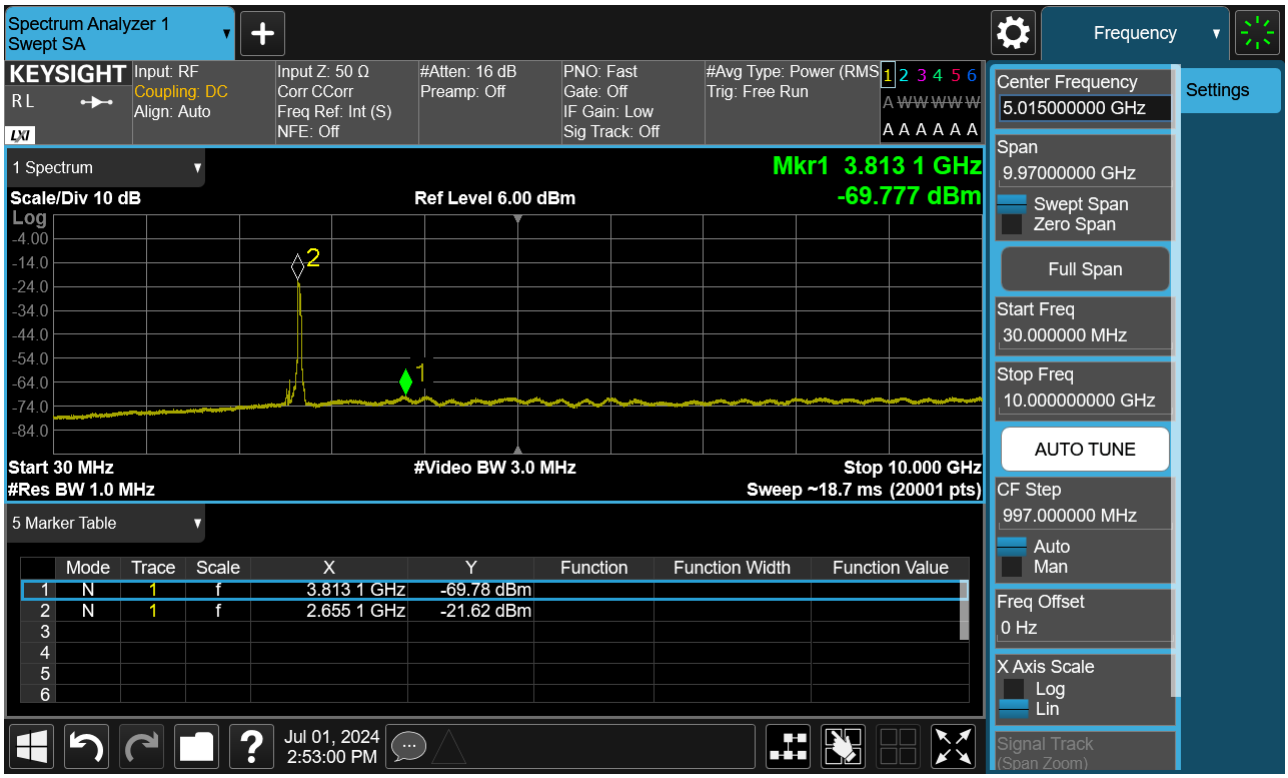
   - Result(dBm) = Measurement Maximum Data (dBm) + Factor

Frequency Range (GHz)	Factor [dB]
0.03 – 1	29.249
1 – 5	31.955
5 – 10	32.570
10 – 15	33.095
15 – 20	33.468
Above 20	34.110

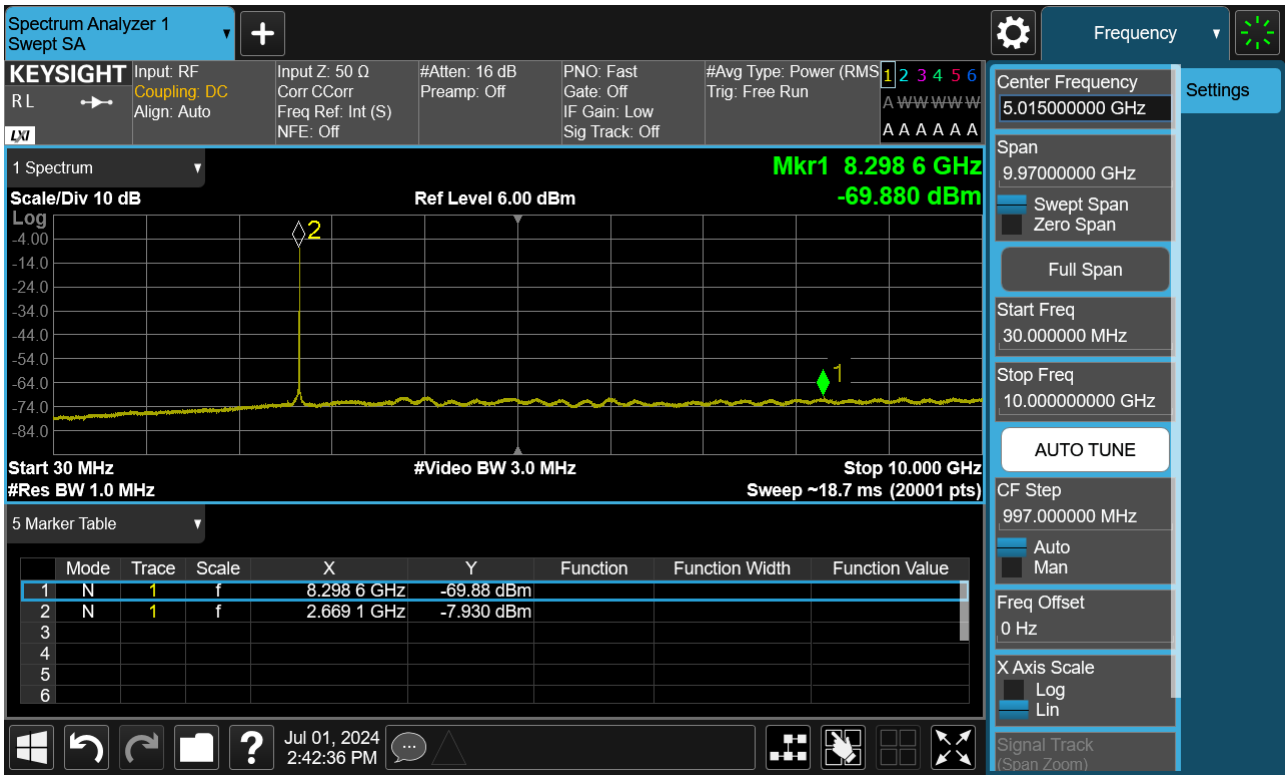
3. Limit : -25.0 dBm

Frequency Range : 30 MHz ~ 10 GHz

PCC 20MHz Ch41292 RB100 Offset0 SCC 20MHz Ch41490 RB100 Offset0

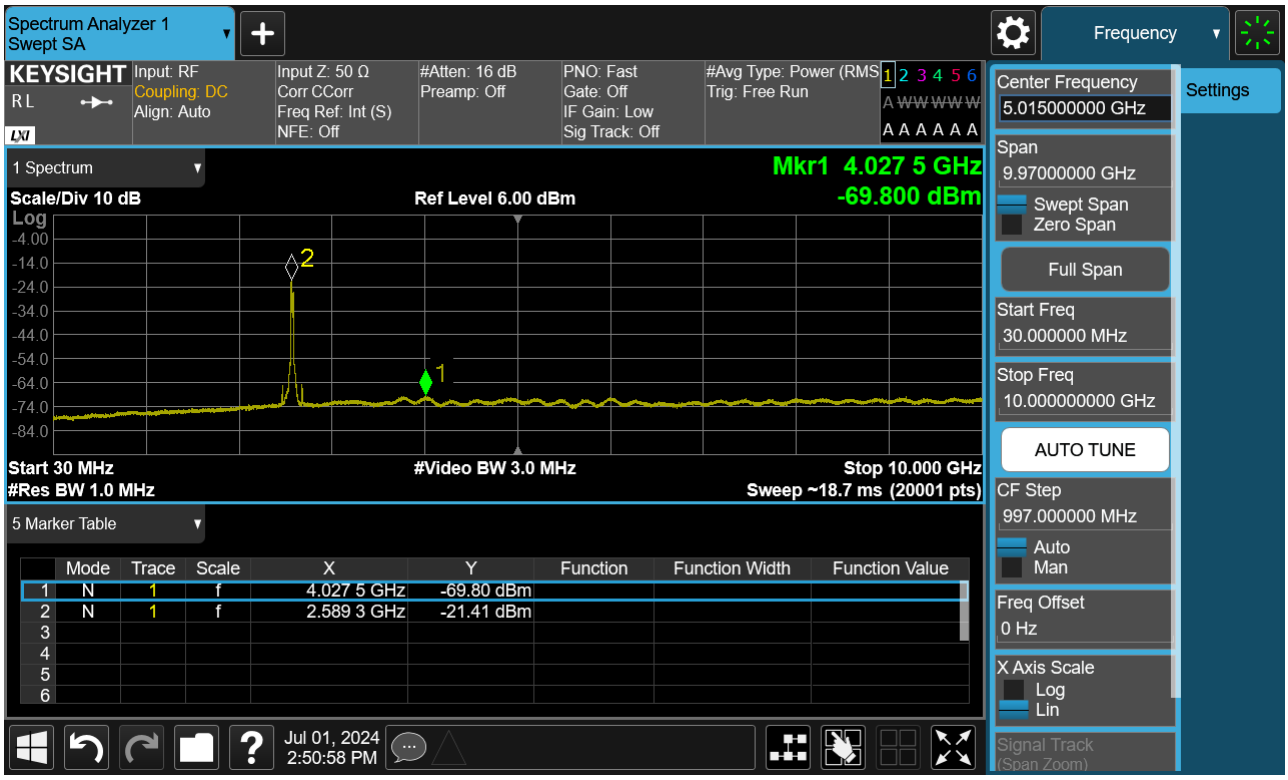


PCC 20MHz Ch41292 RB1 Offset99 SCC 20MHz Ch41490 RB1 Offset0

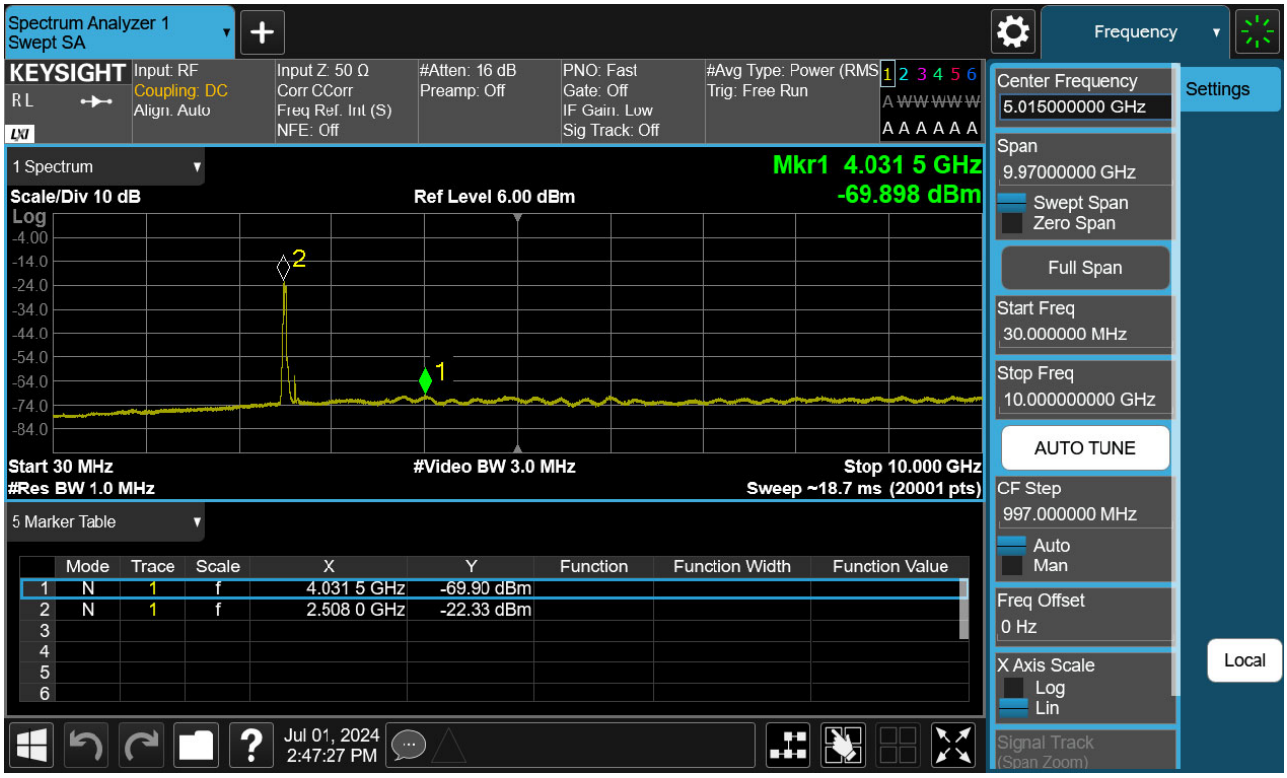


PCC 20MHz Ch41292 RB1 Offset0 SCC 20MHz Ch41490 RB1 Offset99

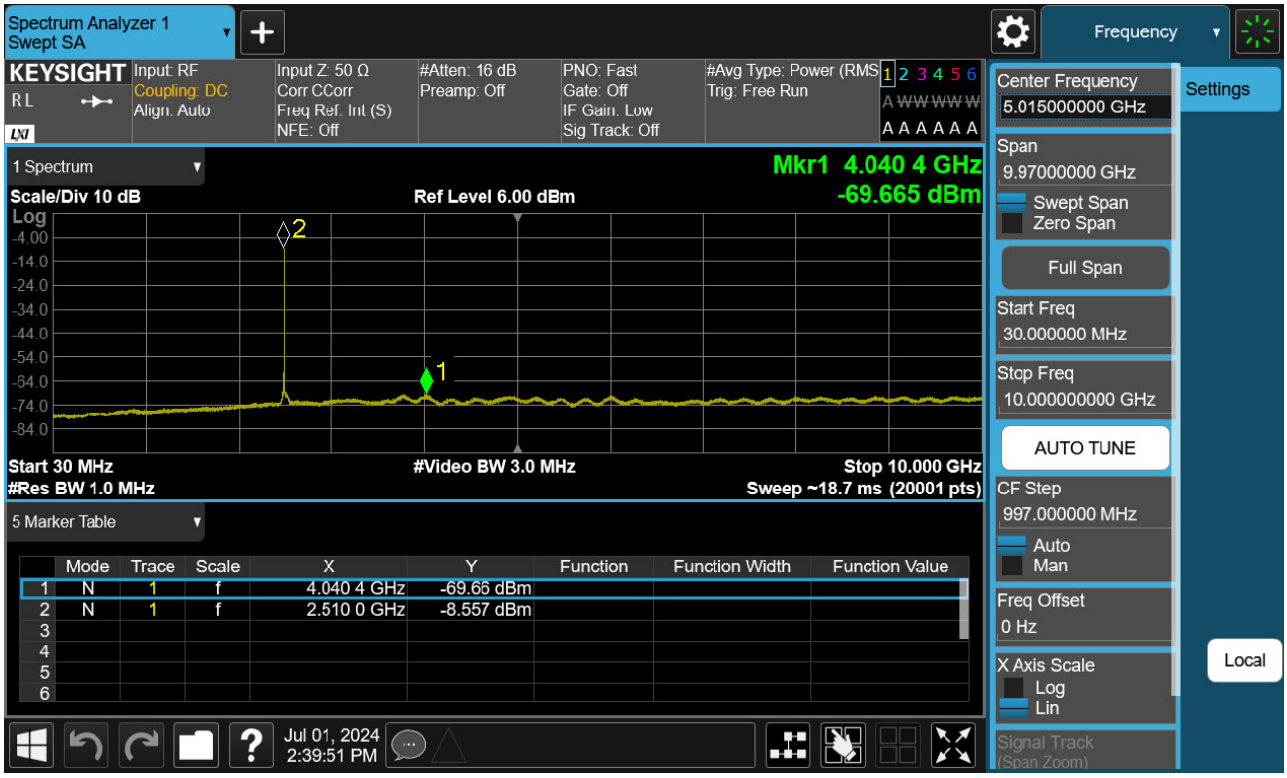
PCC 20MHz Ch40521 RB100 Offset0 SCC 20MHz Ch40719 RB100 Offset0



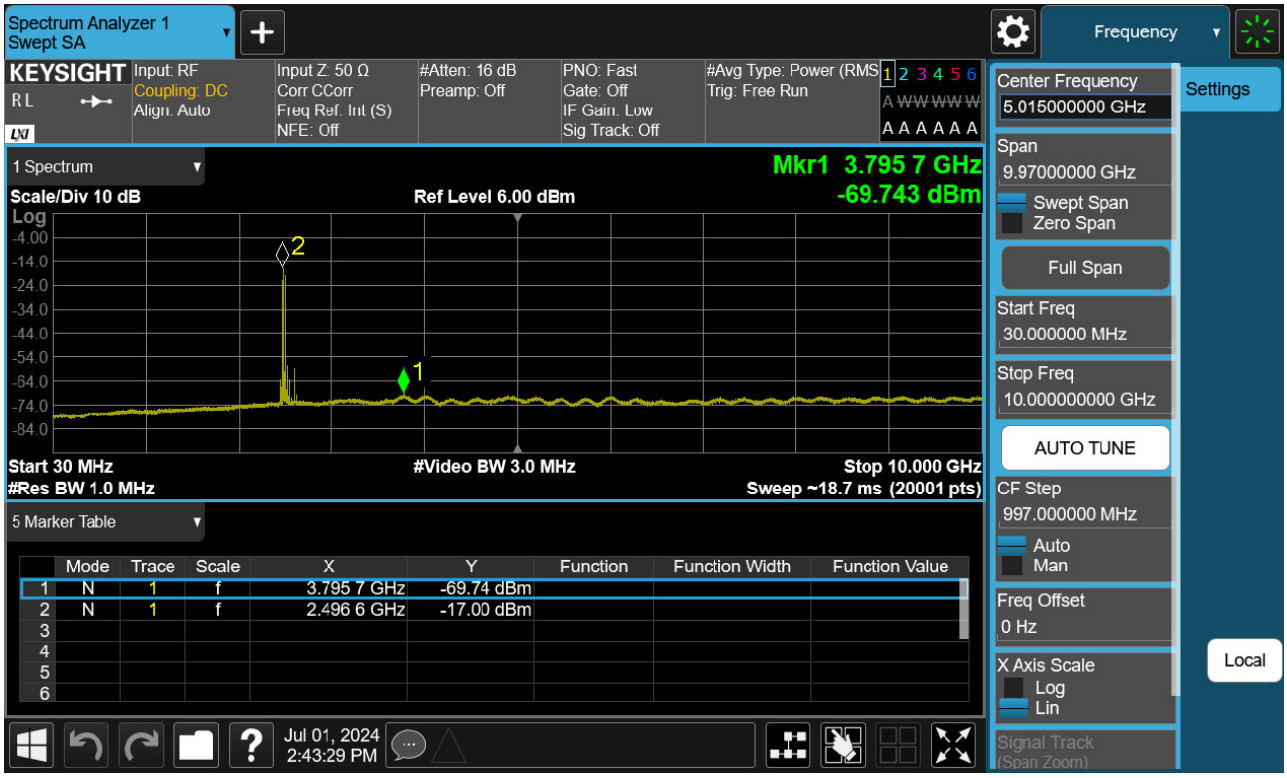
PCC 20MHz Ch39750 RB100 Offset0 SCC 20MHz Ch39948 RB100 Offset0



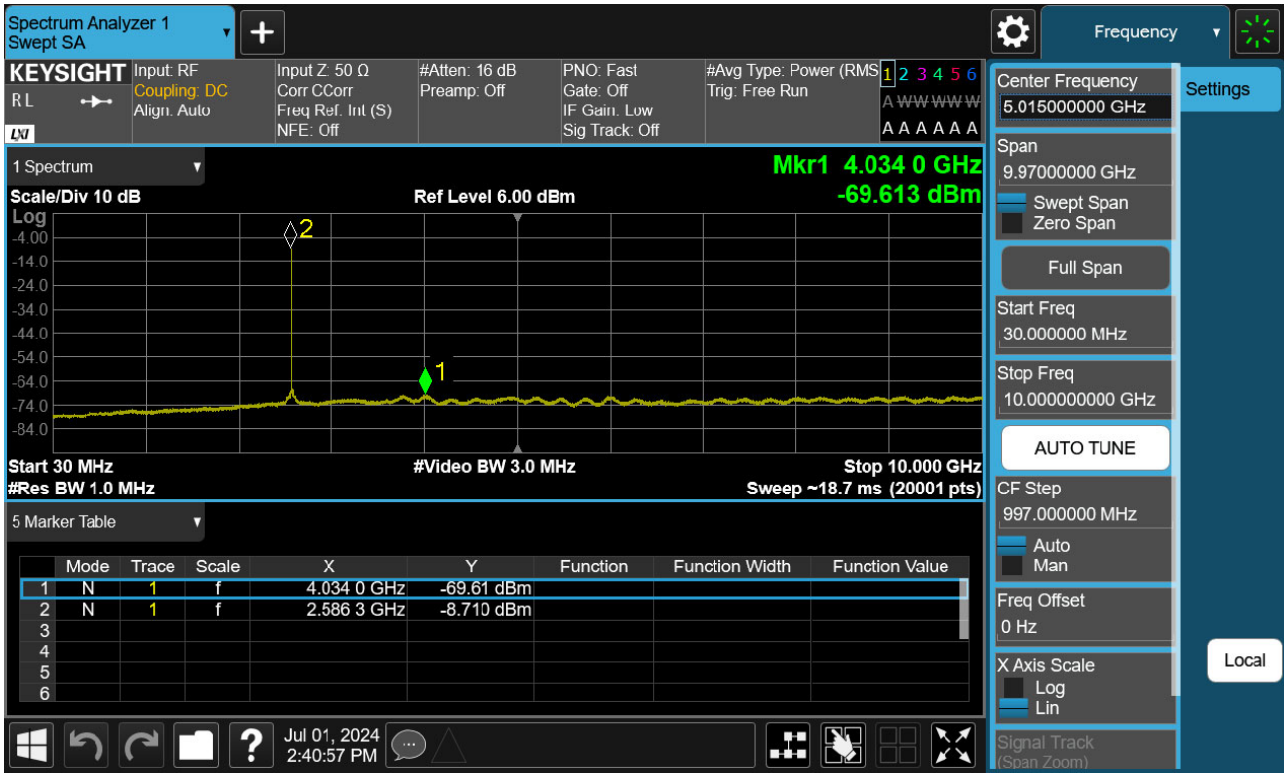
PCC 15MHz Ch39725 RB1 Offset74 SCC 10MHz Ch39845 RB1 Offset0



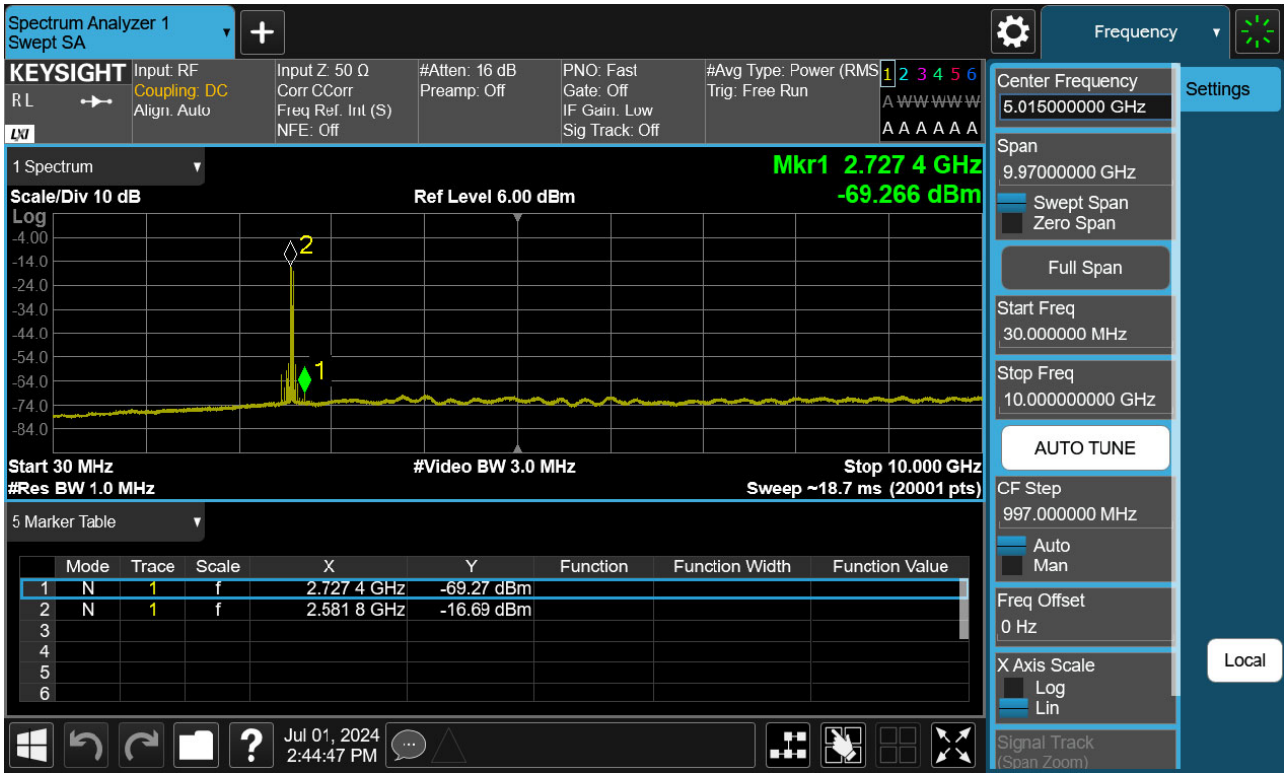
PCC 15MHz Ch39725 RB1 Offset0 SCC 10MHz Ch39845 RB1 Offset49



PCC 5MHz Ch40528 RB1 Offset24 SCC 20MHz Ch40645 RB1 Offset0

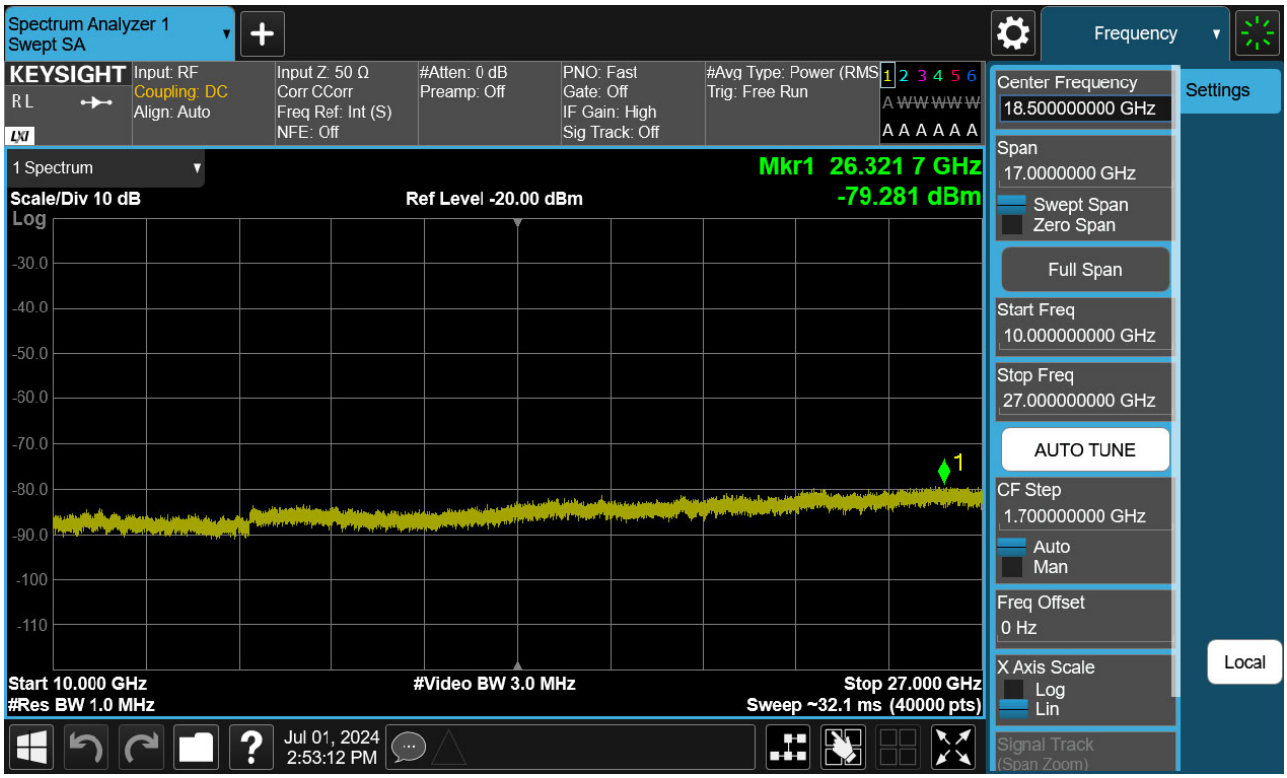


PCC 5MHz Ch40528 RB1 Offset0 SCC 20MHz Ch40645 RB1 Offset99

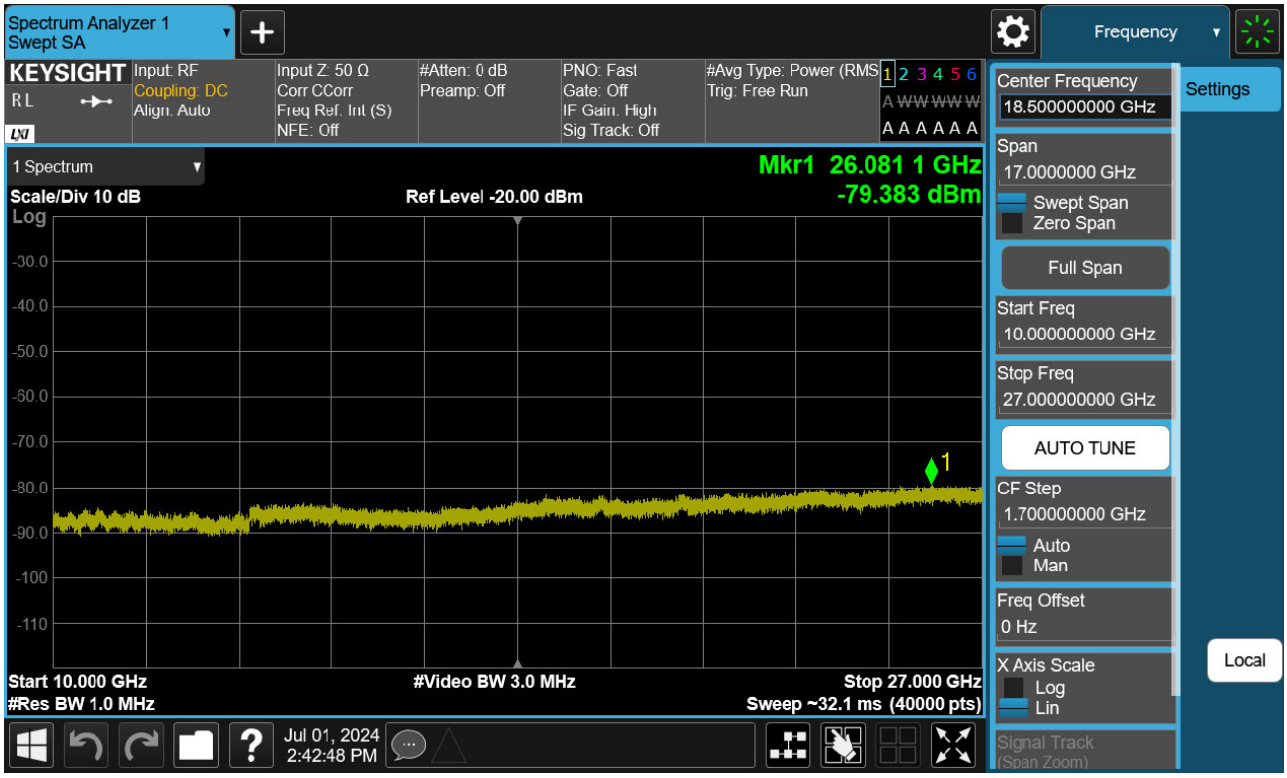


Frequency Range : above 10 GHz

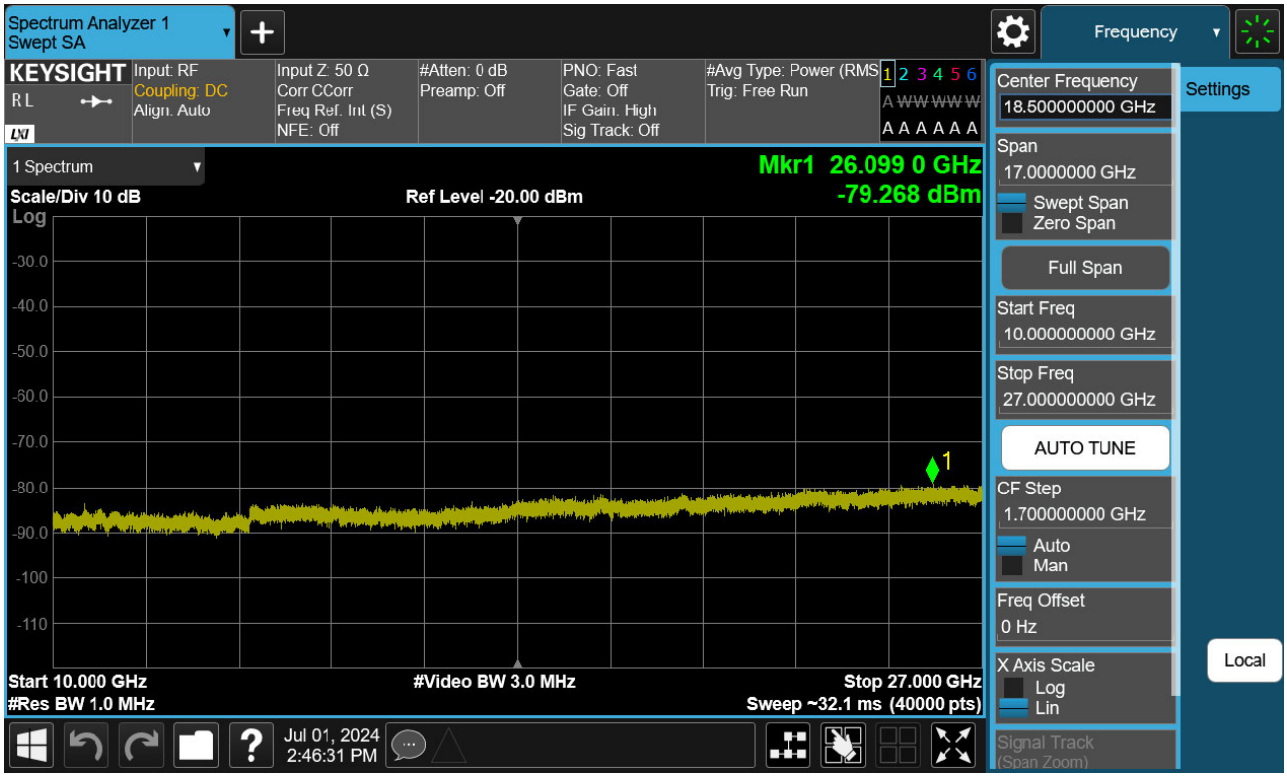
PCC 20MHz Ch41292 RB100 Offset0, SCC 20MHz Ch41490 RB100 Offset0



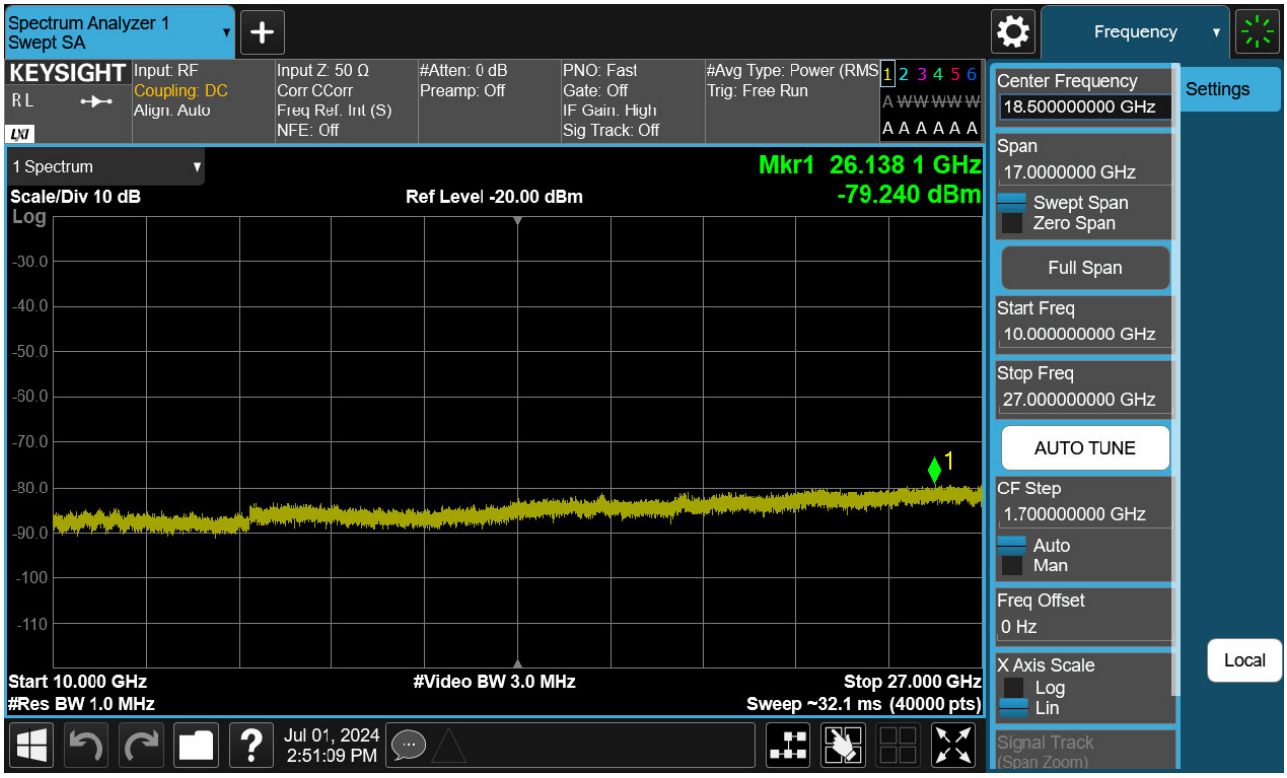
PCC 20MHz Ch41292 RB1 Offset99, SCC 20MHz Ch41490 RB1 Offset0



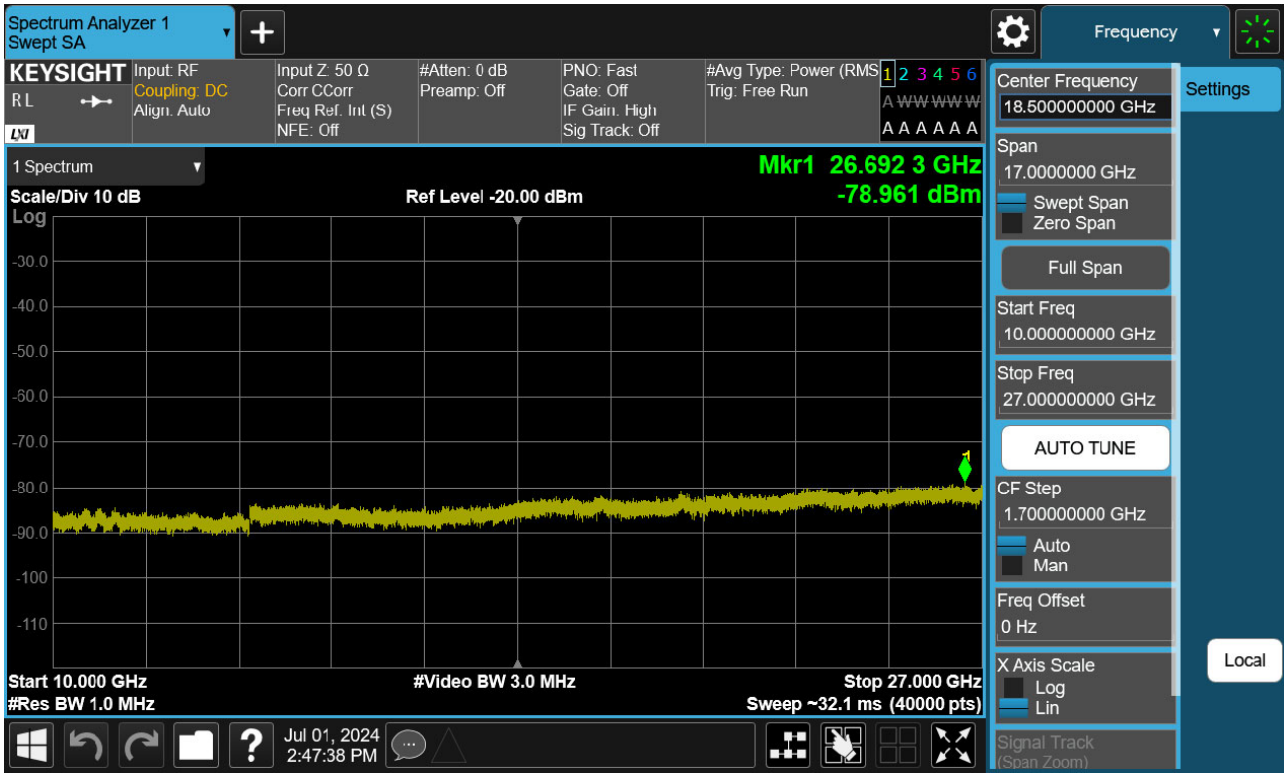
PCC 20MHz Ch41292 RB1 Offset0, SCC 20MHz Ch41490 RB1 Offset99



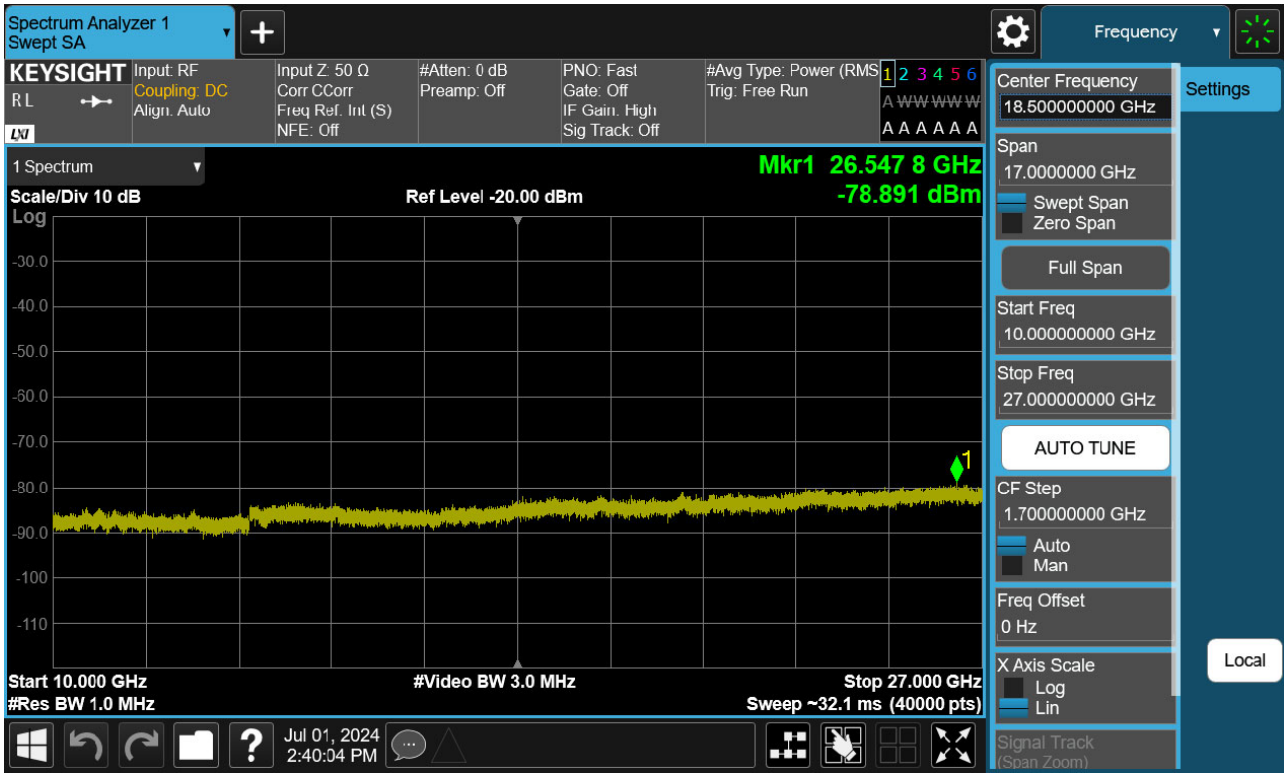
PCC 20MHz Ch40521 RB100 Offset0, SCC 20MHz Ch40719 RB100 Offset0



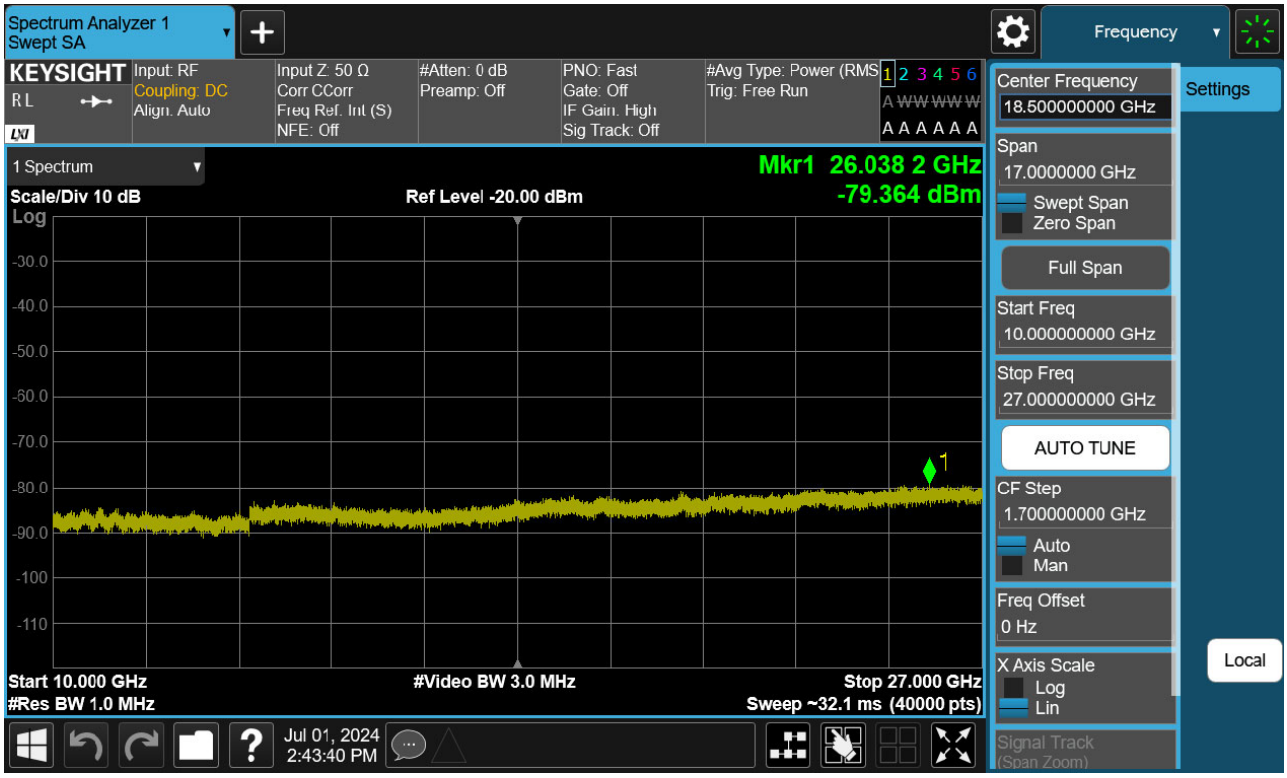
PCC 20MHz Ch39750 RB100 Offset0, SCC 20MHz Ch39948 RB100 Offset0



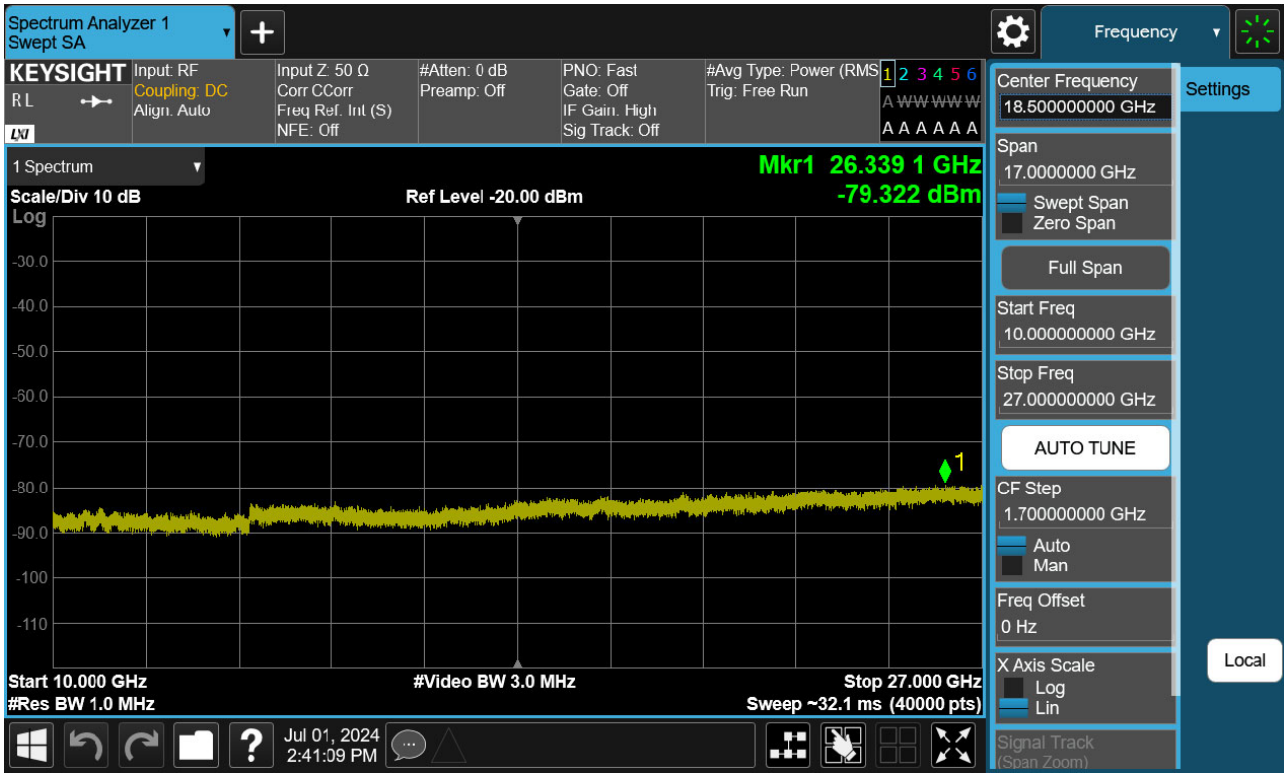
PCC 15MHz Ch39725 RB1 Offset74, SCC 10MHz Ch39845 RB1 Offset0



PCC 15MHz Ch39725 RB1 Offset0, SCC 10MHz Ch39845 RB1 Offset49



PCC 5MHz Ch40528 RB1 Offset24, SCC 20MHz Ch40645 RB1 Offset0



PCC 5MHz Ch40528 RB1 Offset0, SCC 20MHz Ch40645 RB1 Offset99