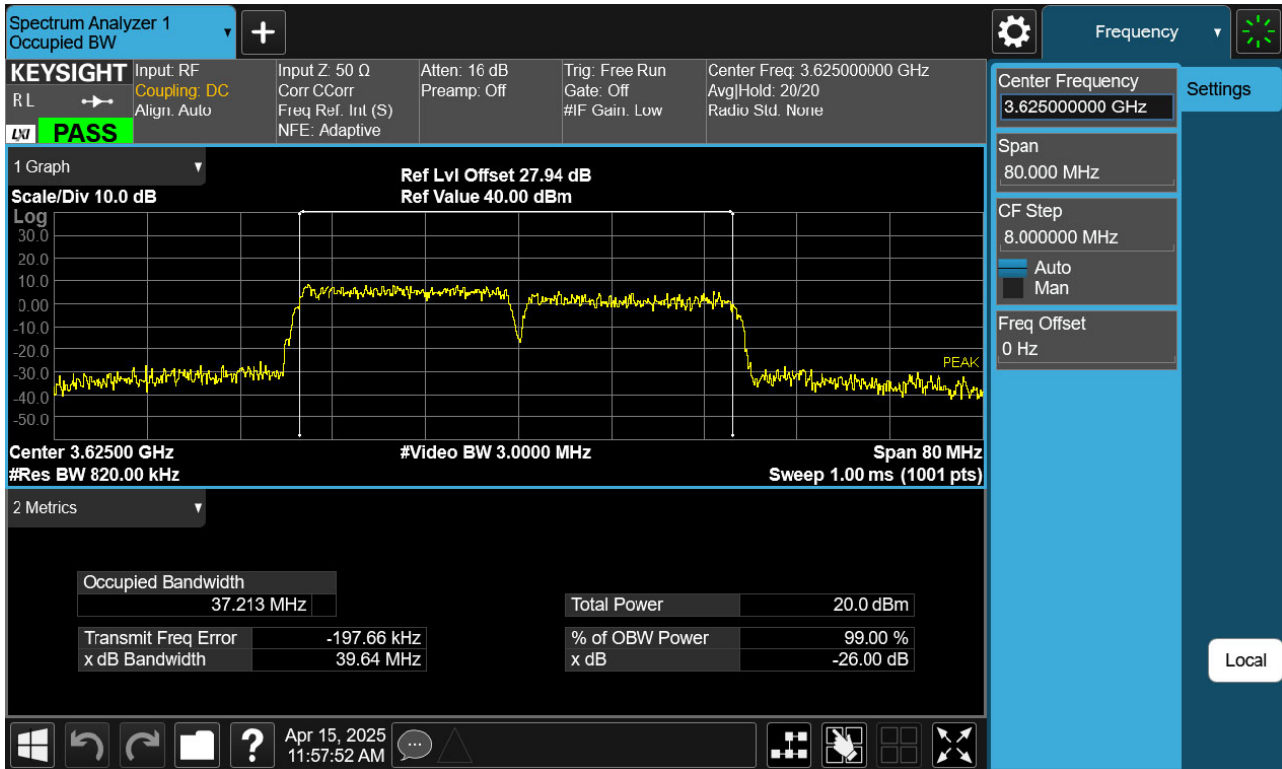
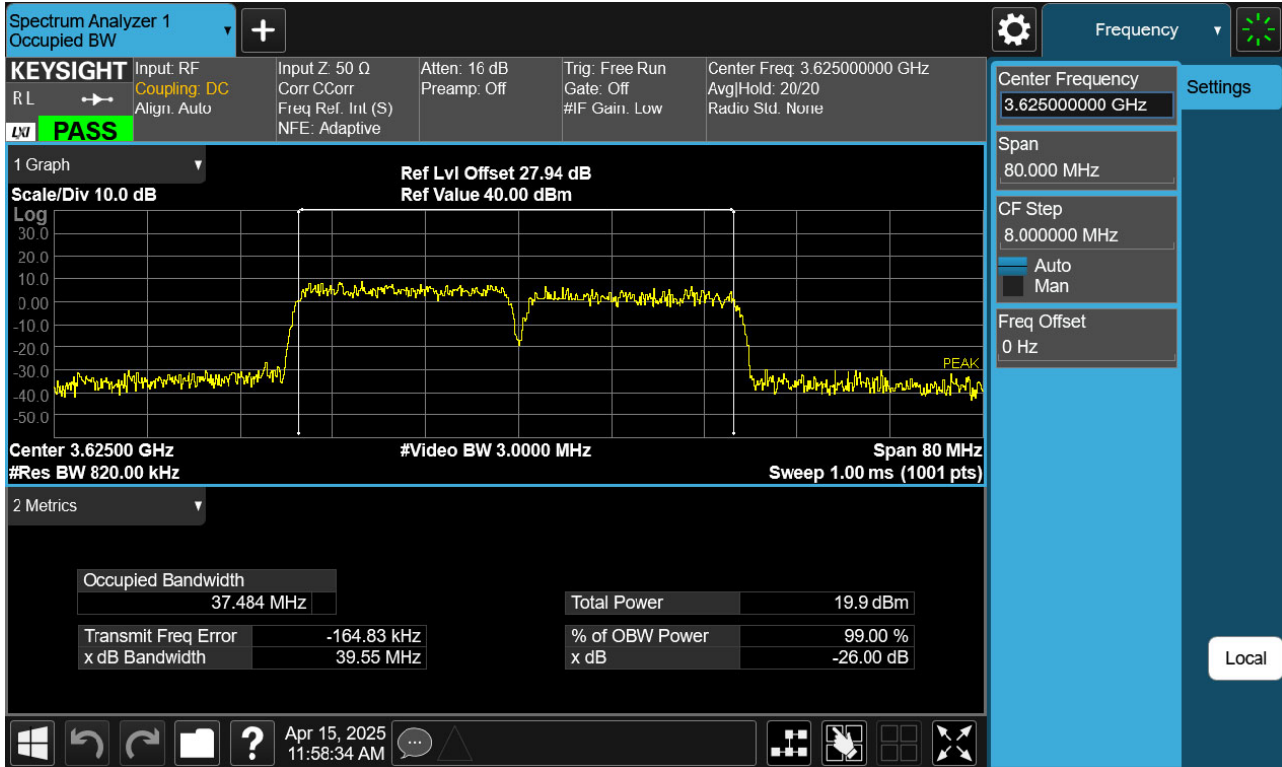


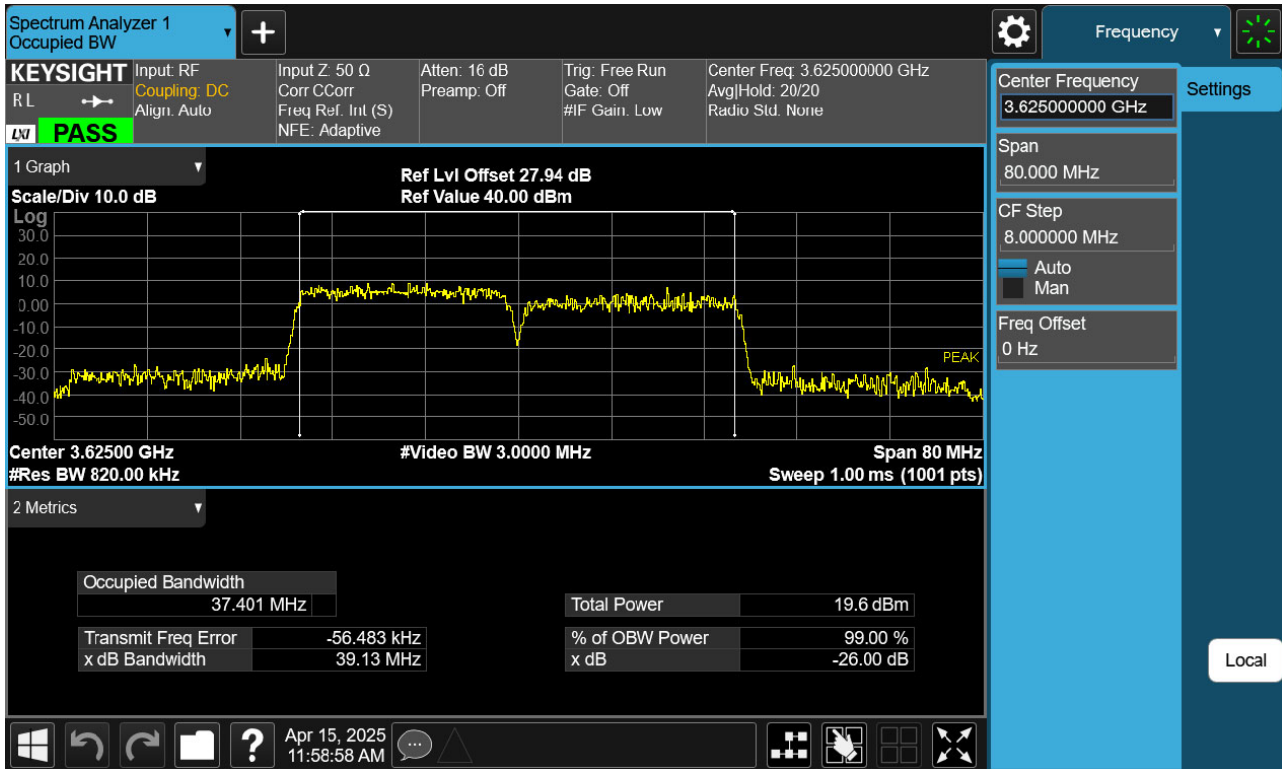
PCC 20 MHz Ch55891 RB100 Offset0, SCC 20 MHz Ch56089 RB100 Offset0_(16QAM)



PCC 20 MHz Ch55891 RB100 Offset0, SCC 20 MHz Ch56089 RB100 Offset0_(64QAM)



PCC 20 MHz Ch55891 RB100 Offset0, SCC 20 MHz Ch56089 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	55898	3615.8	QPSK	25/0	20	56015	3627.5	QPSK	100/0	6.52
10	55896	3615.6	QPSK	50/0	20	56040	3630	QPSK	100/0	6.91
15	55893	3615.3	QPSK	75/0	20	56064	3632.4	QPSK	100/0	6.45
20	55965	3622.5	QPSK	100/0	5	56082	3634.2	QPSK	25/0	6.42
20	55941	3620.1	QPSK	100/0	10	56085	3634.5	QPSK	50/0	6.42
20	55916	3617.6	QPSK	100/0	15	56087	3634.7	QPSK	75/0	6.44
20	55891	3615.1	QPSK	100/0	20	56089	3634.9	QPSK	100/0	7.14

PCC					SCC					Data (dB)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	55898	3615.8	16QAM	25/0	20	56015	3627.5	16QAM	100/0	7.11
10	55896	3615.6	16QAM	50/0	20	56040	3630	16QAM	100/0	7.25
15	55893	3615.3	16QAM	75/0	20	56064	3632.4	16QAM	100/0	7.52
20	55965	3622.5	16QAM	100/0	5	56082	3634.2	16QAM	25/0	7.45
20	55941	3620.1	16QAM	100/0	10	56085	3634.5	16QAM	50/0	7.73
20	55916	3617.6	16QAM	100/0	15	56087	3634.7	16QAM	75/0	7.44
20	55891	3615.1	16QAM	100/0	20	56089	3634.9	16QAM	100/0	8.45

PCC					SCC					Data (dB)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	55898	3615.8	64QAM	25/0	20	56015	3627.5	64QAM	100/0	7.47
10	55896	3615.6	64QAM	50/0	20	56040	3630	64QAM	100/0	7.11
15	55893	3615.3	64QAM	75/0	20	56064	3632.4	64QAM	100/0	7.29
20	55965	3622.5	64QAM	100/0	5	56082	3634.2	64QAM	25/0	7.22
20	55941	3620.1	64QAM	100/0	10	56085	3634.5	64QAM	50/0	7.13
20	55916	3617.6	64QAM	100/0	15	56087	3634.7	64QAM	75/0	6.93
20	55891	3615.1	64QAM	100/0	20	56089	3634.9	64QAM	100/0	7.16

PCC					SCC					Data (dB)
BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	BW [MHz]	Ch	Freq [MHz]	Mod	RB/ Offset	
5	55898	3615.8	256QAM	25/0	20	56015	3627.5	256QAM	100/0	7.71
10	55896	3615.6	256QAM	50/0	20	56040	3630	256QAM	100/0	7.34
15	55893	3615.3	256QAM	75/0	20	56064	3632.4	256QAM	100/0	7.08
20	55965	3622.5	256QAM	100/0	5	56082	3634.2	256QAM	25/0	7.52
20	55941	3620.1	256QAM	100/0	10	56085	3634.5	256QAM	50/0	7.06
20	55916	3617.6	256QAM	100/0	15	56087	3634.7	256QAM	75/0	6.99
20	55891	3615.1	256QAM	100/0	20	56089	3634.9	256QAM	100/0	8.17

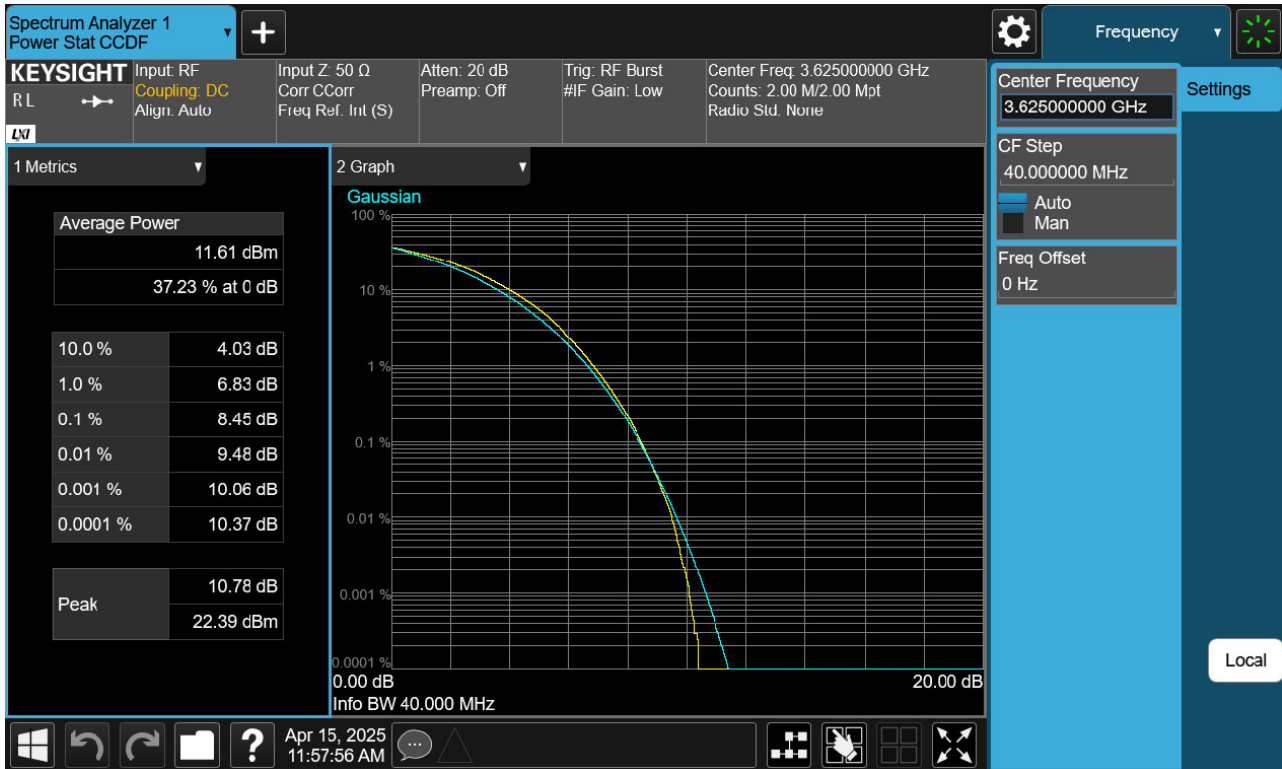
Note:

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

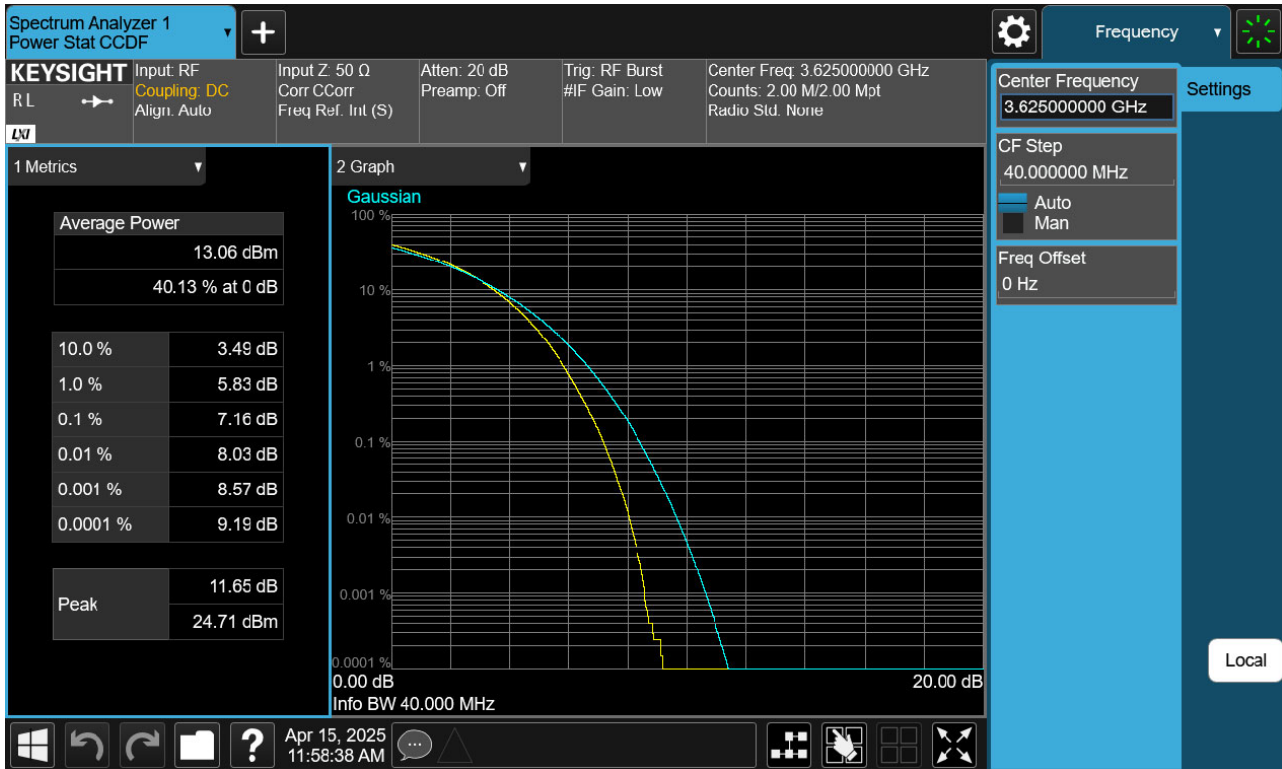
PCC 20 MHz Ch55891 RB100 Offset0, SCC 20 MHz Ch56089 RB100 Offset0_(QPSK)



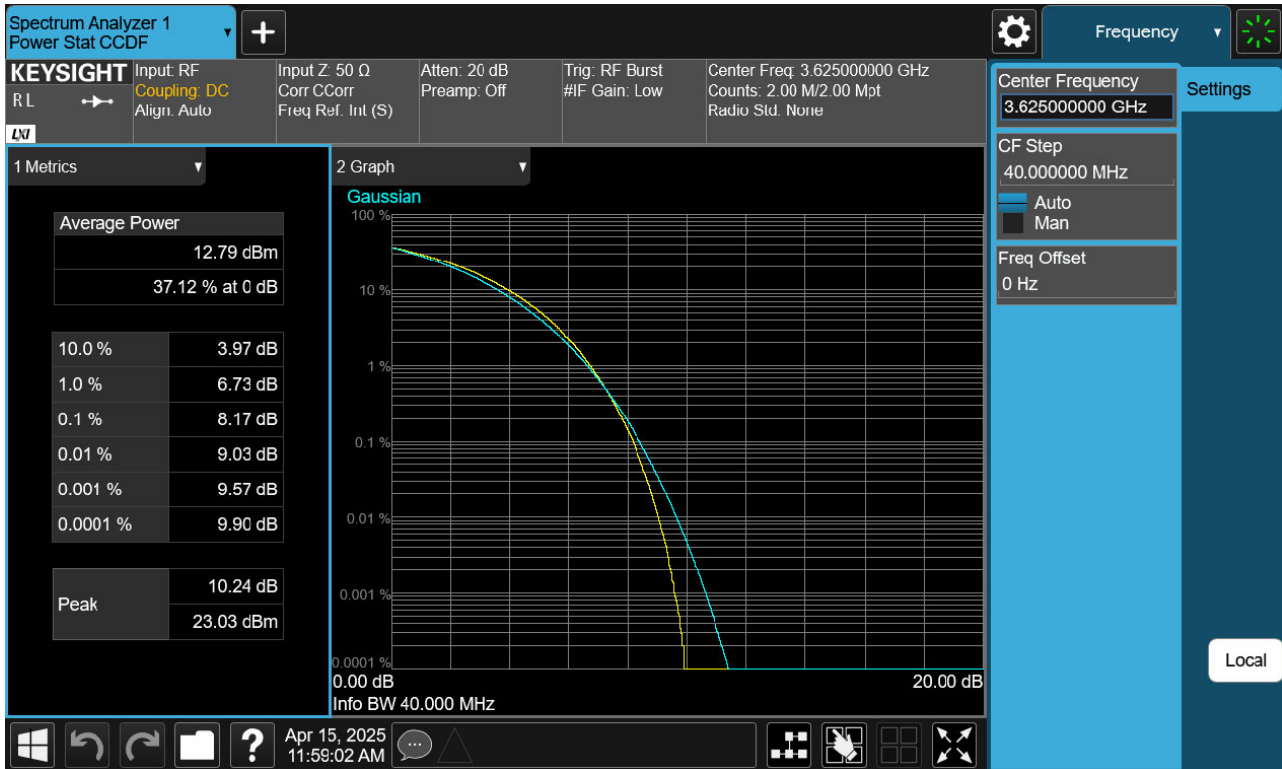
PCC 20 MHz Ch55891 RB100 Offset0, SCC 20 MHz Ch56089 RB100 Offset0_(16QAM)



PCC 20 MHz Ch55891 RB100 Offset0, SCC 20 MHz Ch56089 RB100 Offset0_(64QAM)



PCC 20 MHz Ch55891 RB100 Offset0, SCC 20 MHz Ch56089 RB100 Offset0_(256QAM)



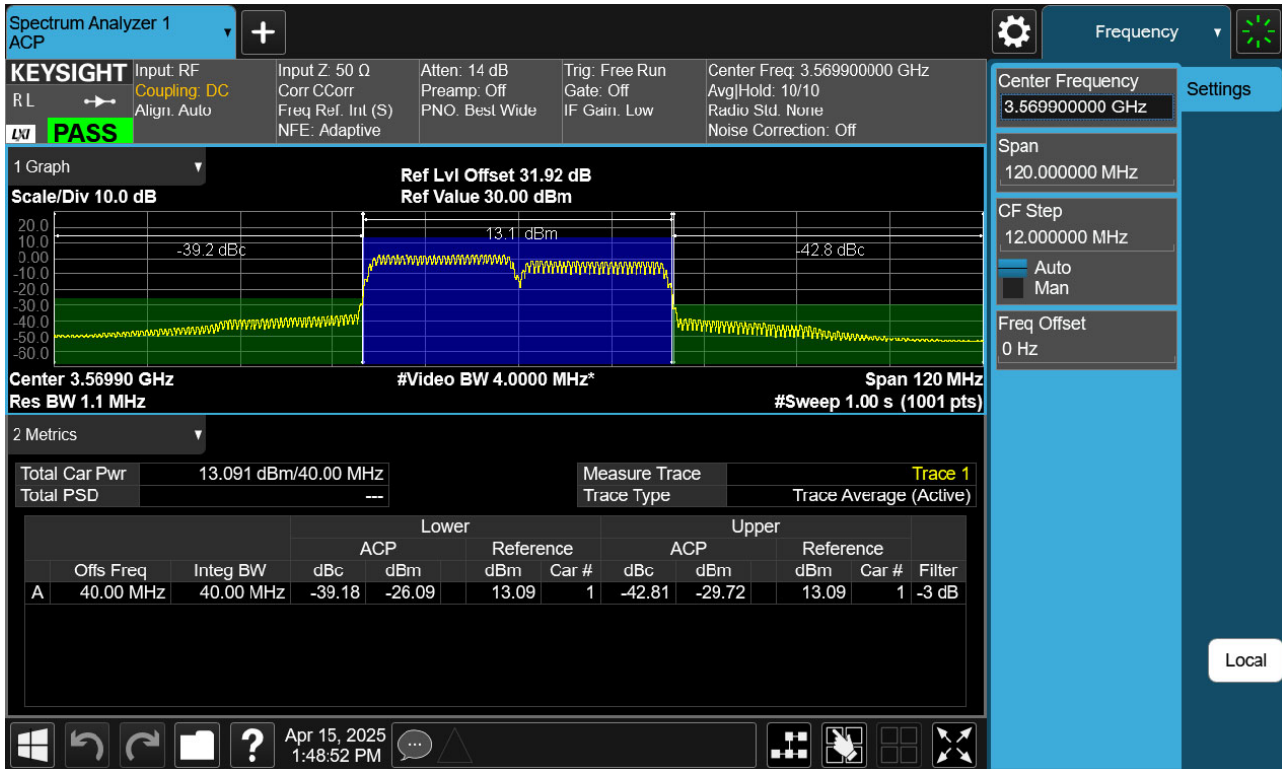
8.9 Adjacent Channel Leakage Ratio(ACLR)

Operating frequency	PCC				SCC				Adjacent Channel Leakage Ratio(dB)	
	BW [MHz]	Ch.	Freq. (MHz)	RB/ Offset	BW [MHz]	Ch.	Freq. (MHz)	RB/ Offset	Lower Side	Upper Side
Low	20	55340	3560.0	1/99	20	55538	3579.8	1/0	39.18	42.81
Mid	20	55891	3615.1	1/99	20	56089	3634.9	1/0	38.56	41.77
High	20	56442	3670.2	1/99	20	56640	3690.0	1/0	39.02	41.55
Limit (dB)									ACLR > 30 dB	ACLR > 30 dB

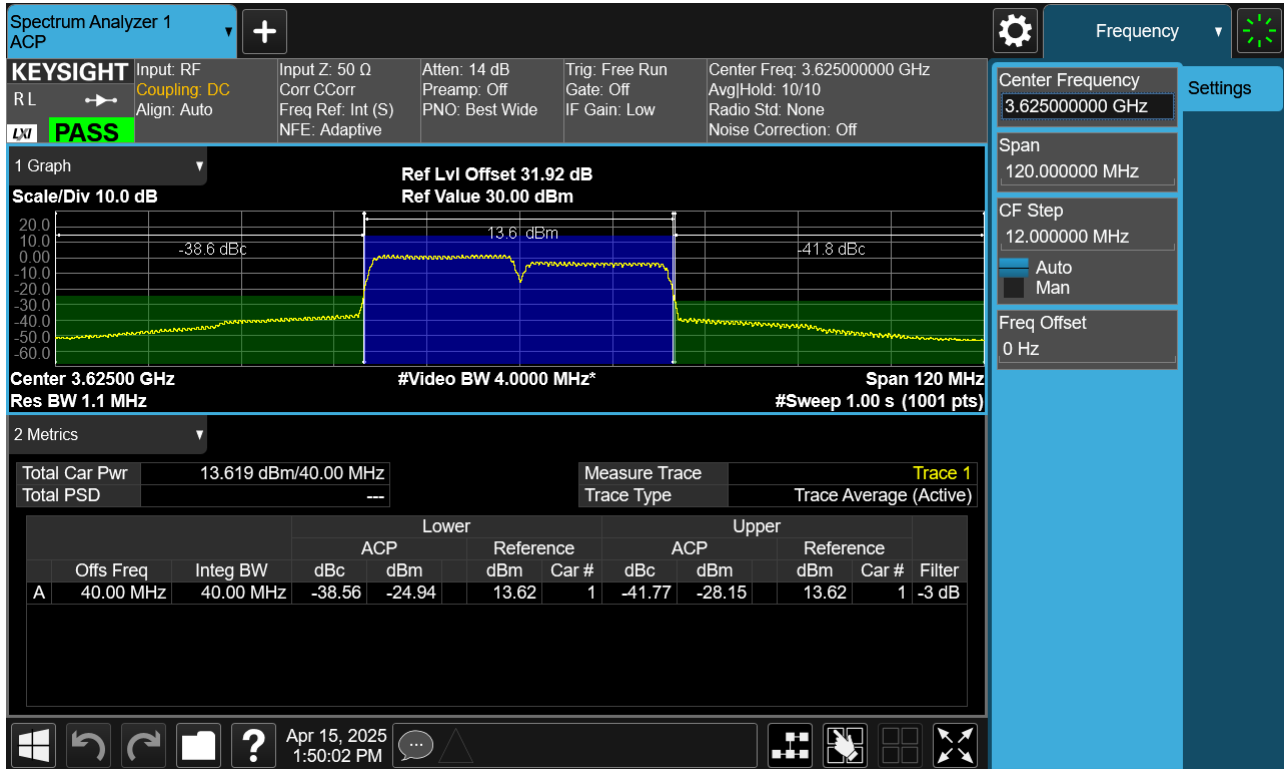
Note:

1. Modulation : 16QAM
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

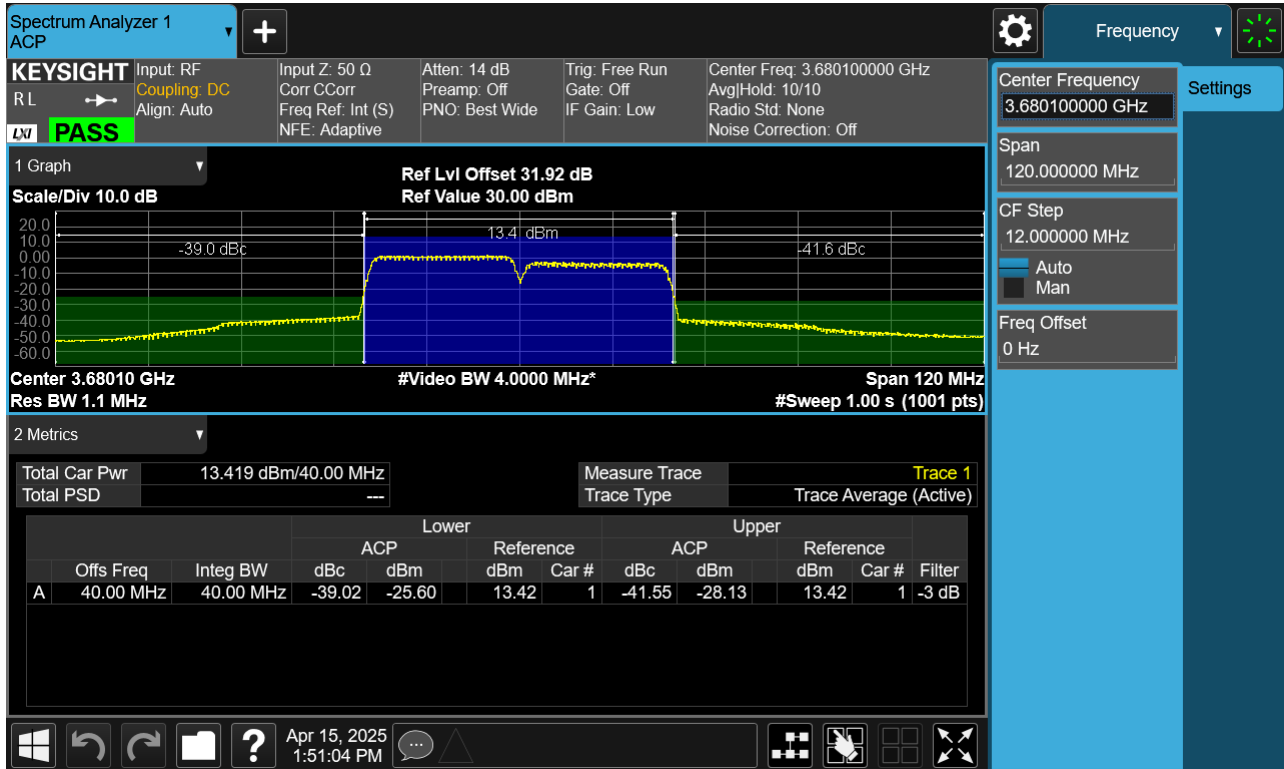
PCC 20 MHz Ch55340 RB100 Offset0, SCC 20 MHz Ch55538 RB100 Offset0



PCC 20MHz Ch55891 RB100 Offset0, SCC 20MHz Ch56089 RB100 Offset0



PCC 20MHz Ch56442 RB100 Offset0, SCC 20MHz Ch56640 RB100 Offset0



9. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2504-FC030-P