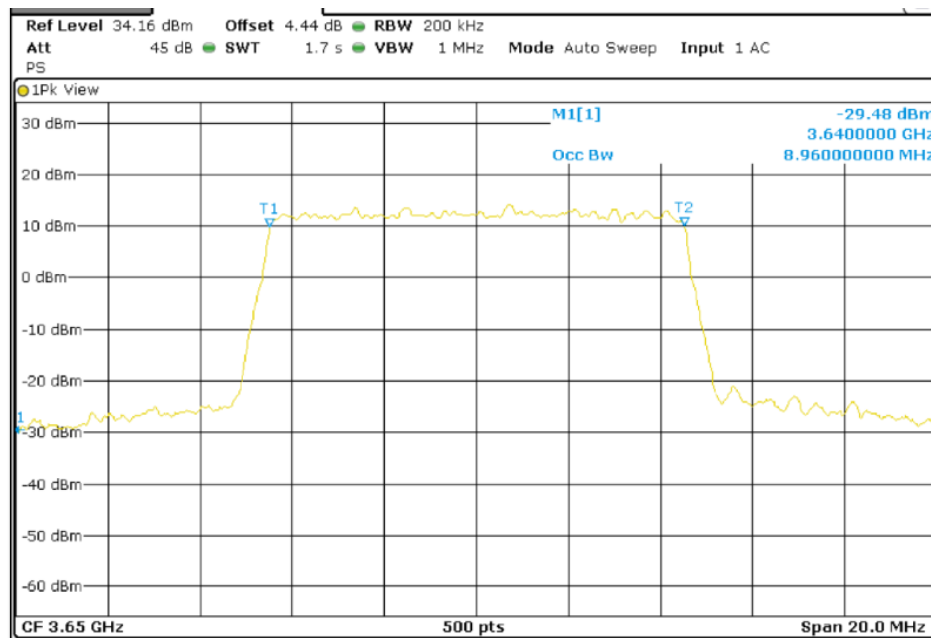
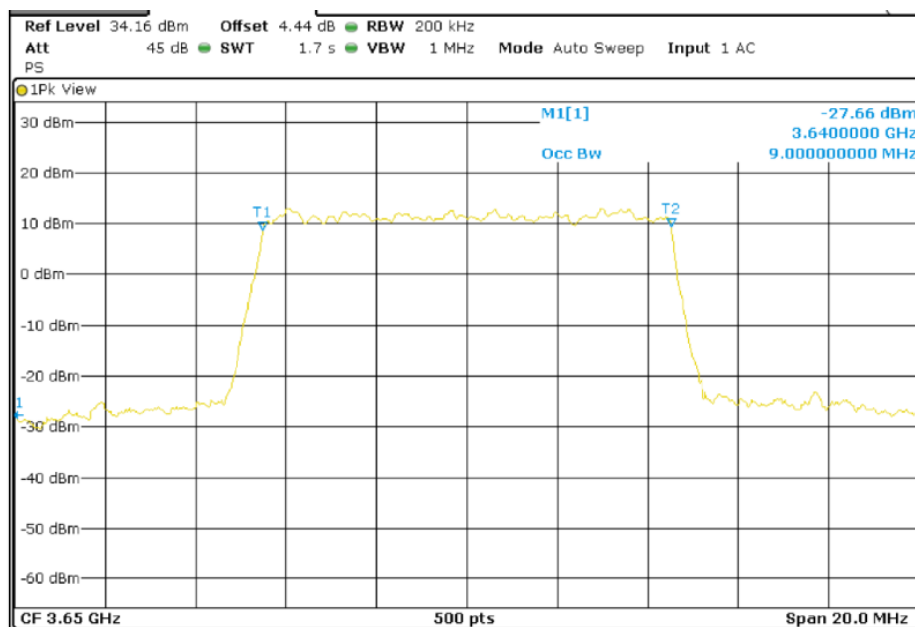


TEST RESULTS (Cont.):

Middle Channel (3650 MHz) QPSK

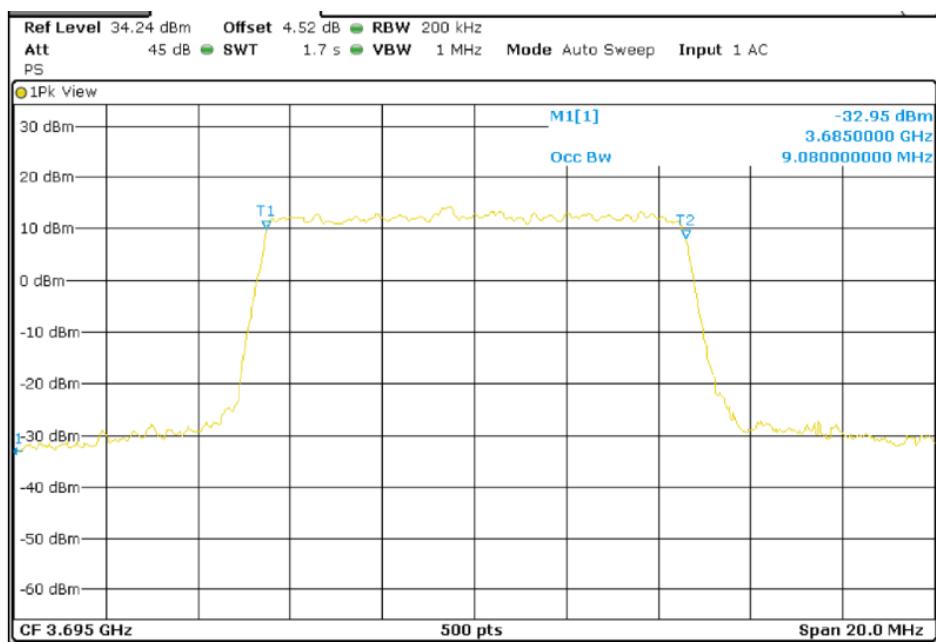


Middle Channel (3650 MHz) 16QAM

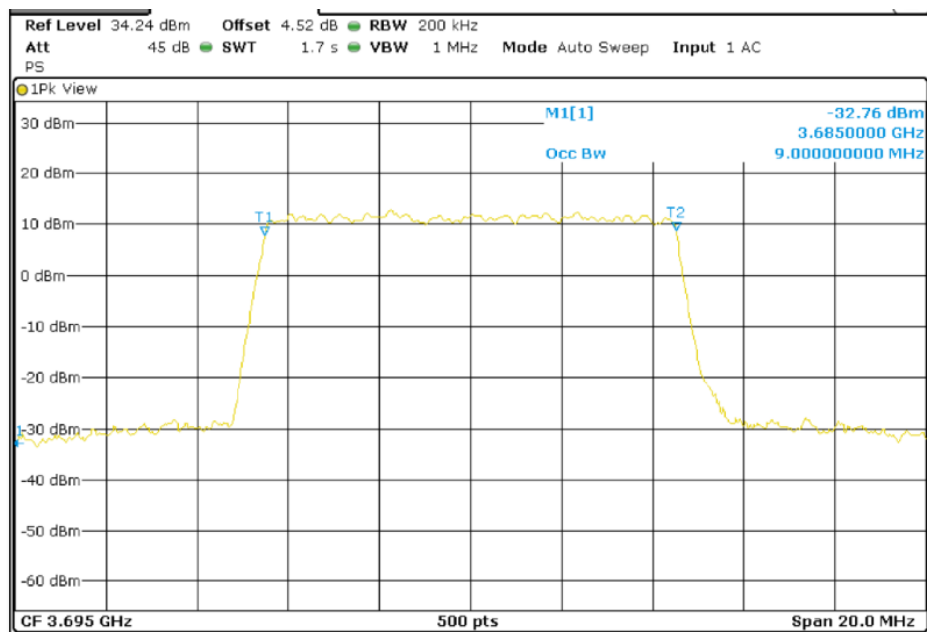


TEST RESULTS (Cont.):

High Channel (3695 MHz) QPSK



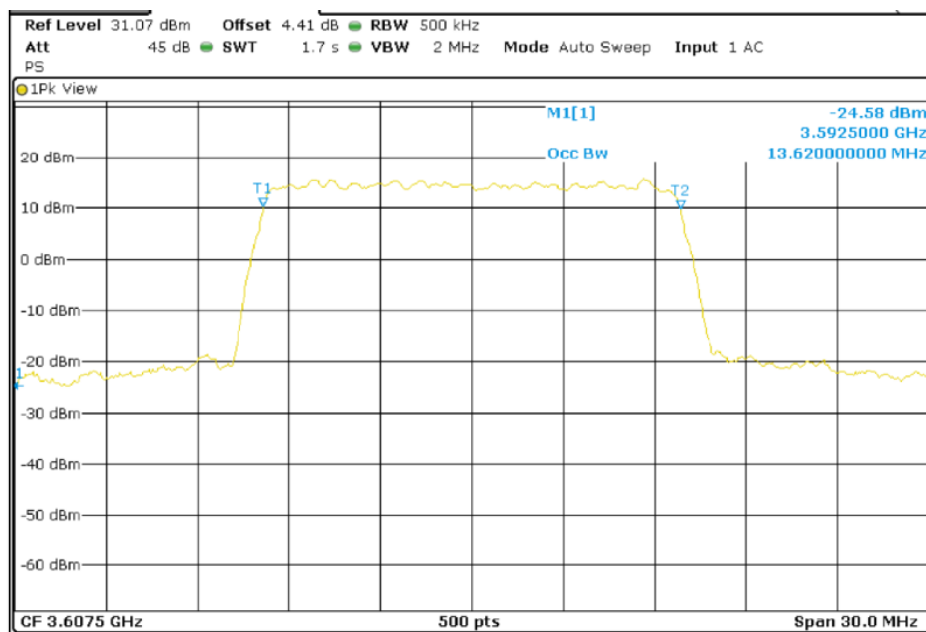
High Channel (3695 MHz) 16QAM



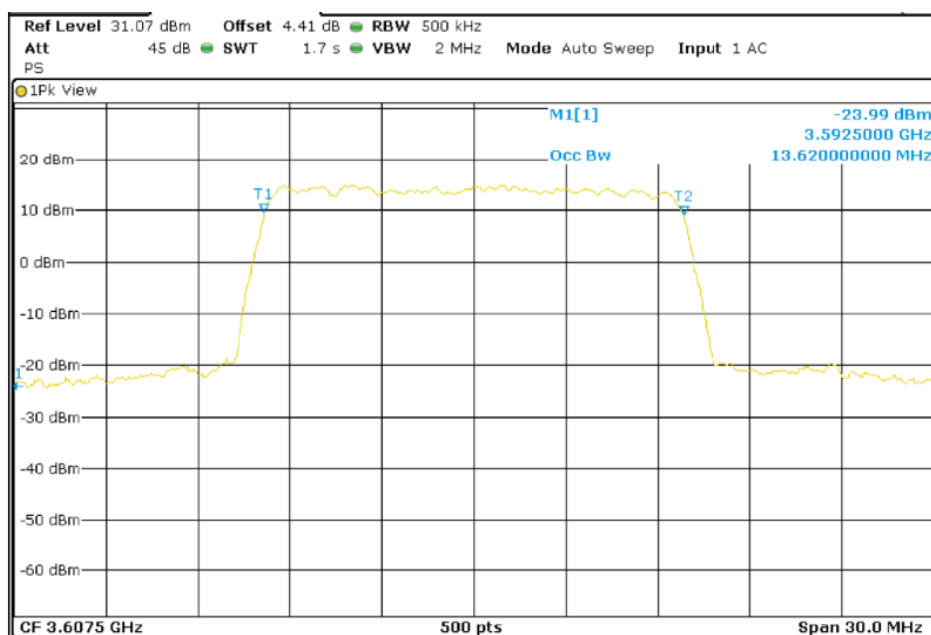
TEST RESULTS (Cont.):

15 MHz BW

Lowest Channel (3607.5 MHz) QPSK

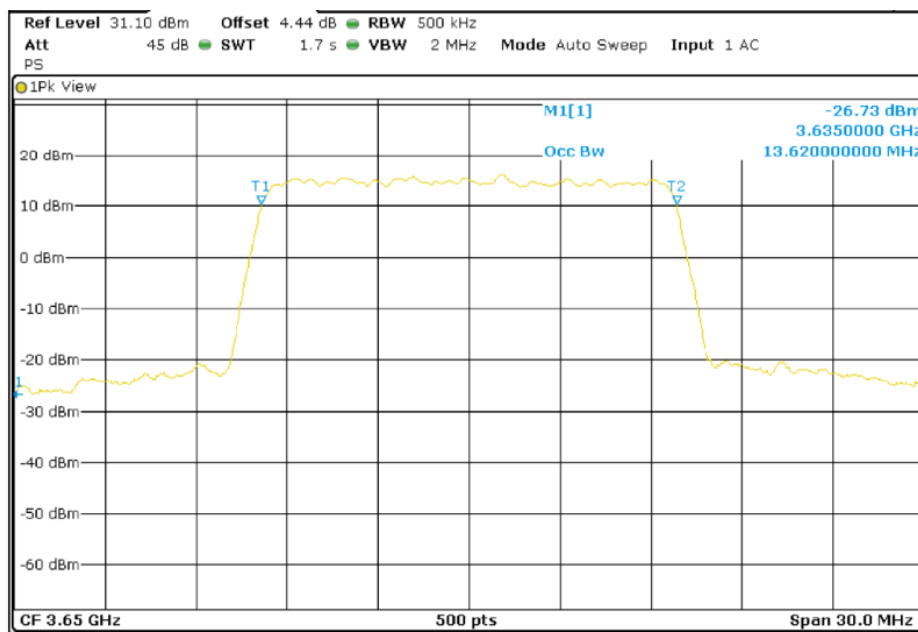


Lowest Channel (3607.5 MHz) 16QAM

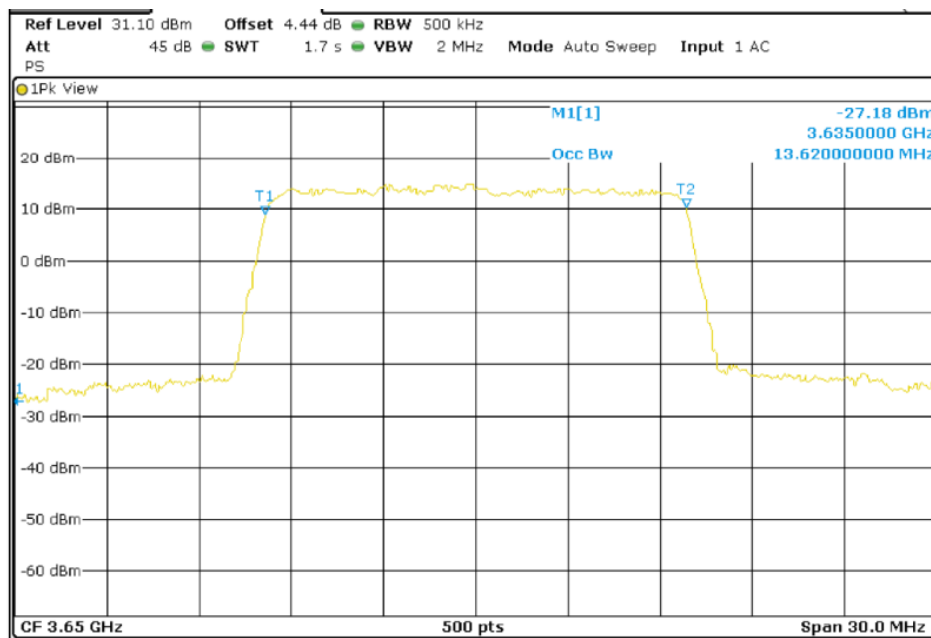


TEST RESULTS (Cont.):

Middle Channel (3650 MHz) QPSK

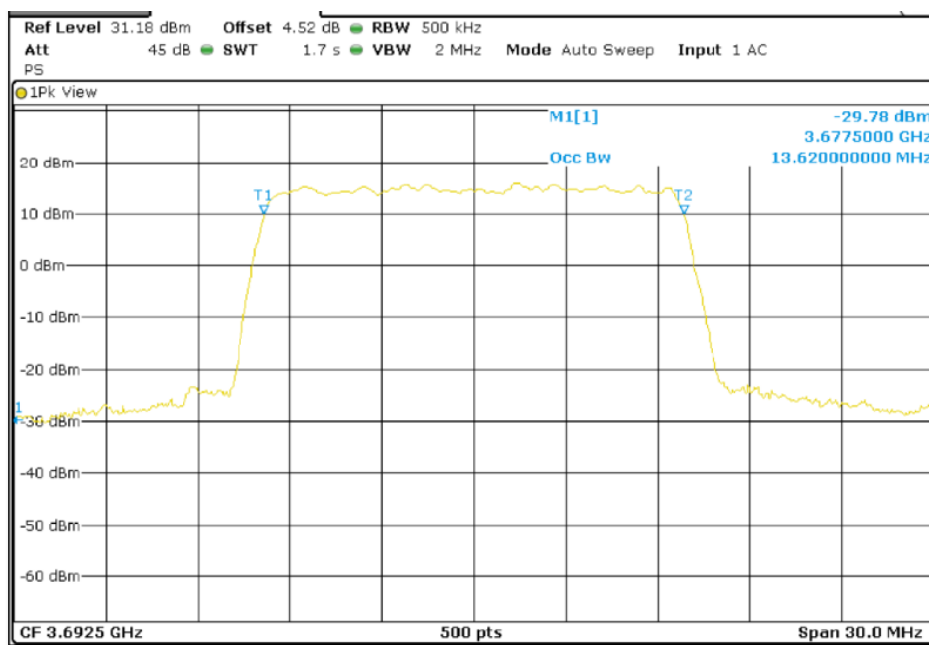


Middle Channel (3650 MHz) 16QAM

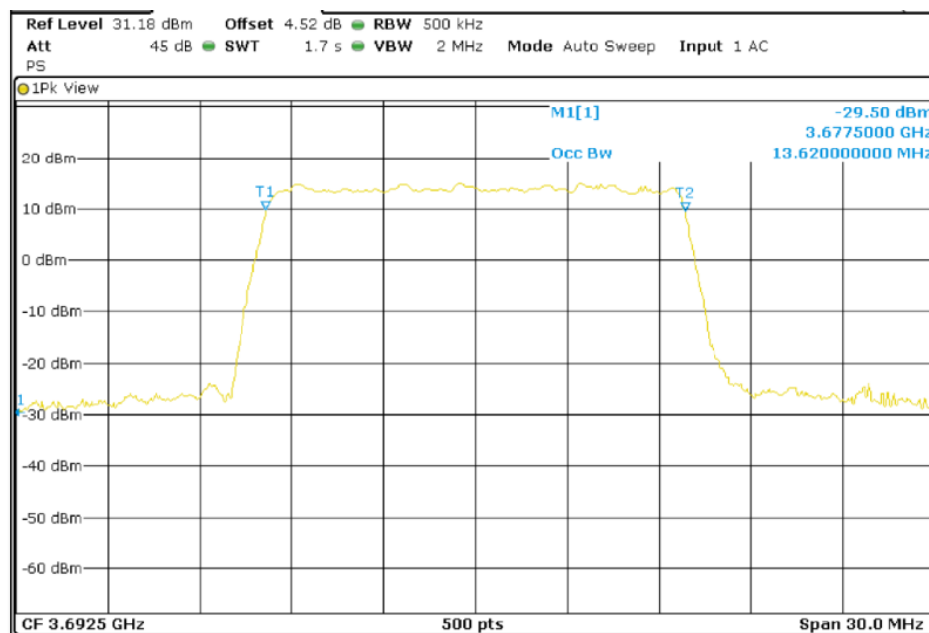


TEST RESULTS (Cont.):

Highest Channel (3692.5 MHz) QPSK



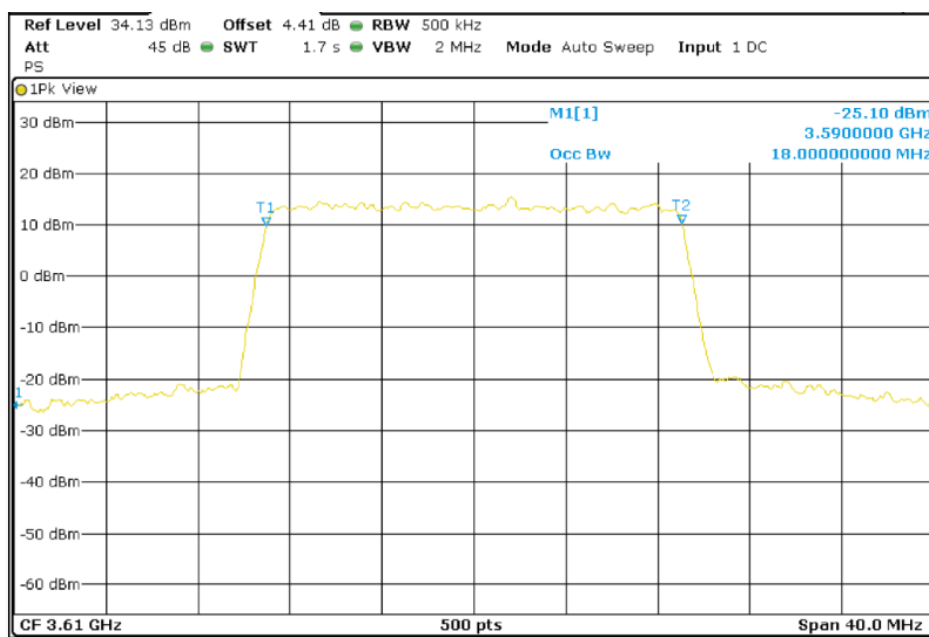
Highest Channel (3692.5 MHz) 16QAM



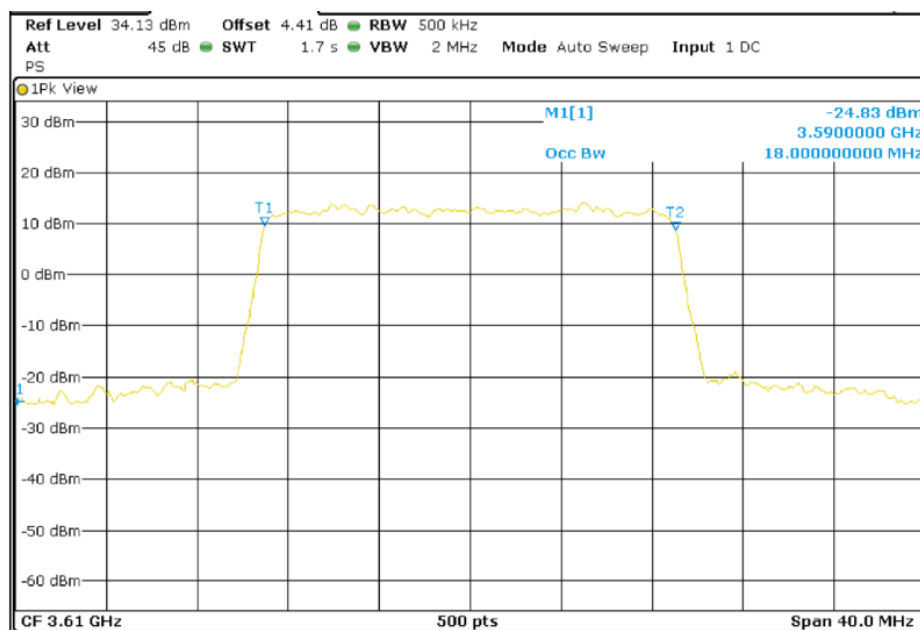
TEST RESULTS (Cont.):

20 MHz BW

Lowest Channel (3610 MHz) QPSK

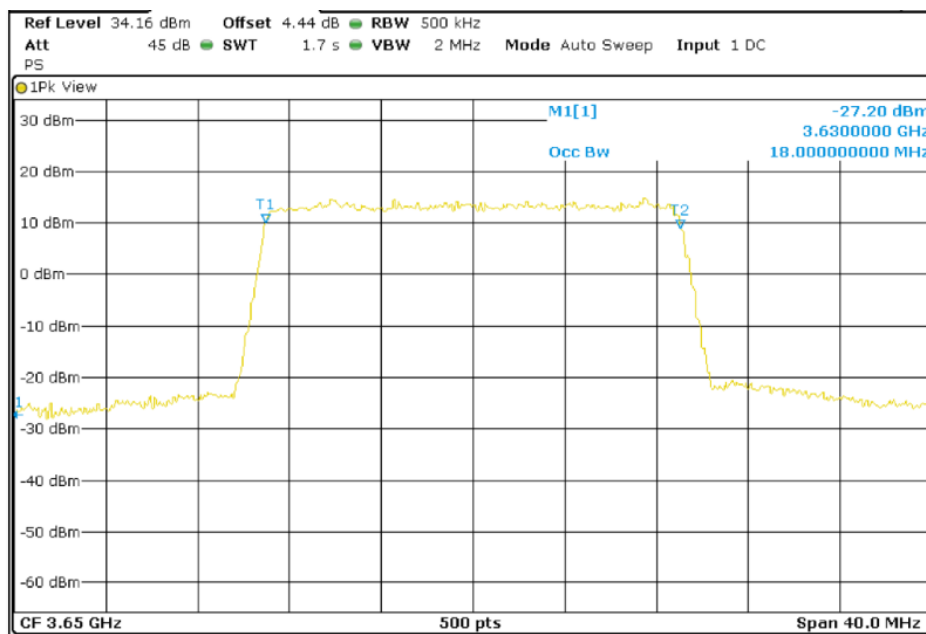


Lowest Channel (3610 MHz) 16QAM

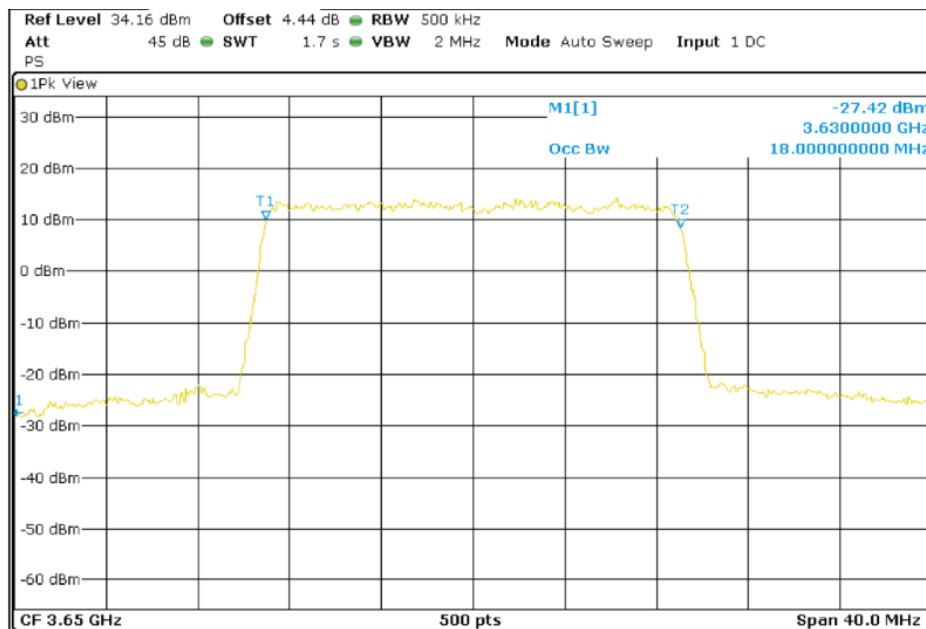


TEST RESULTS (Cont.):

Middle Channel (3650 MHz) QPSK

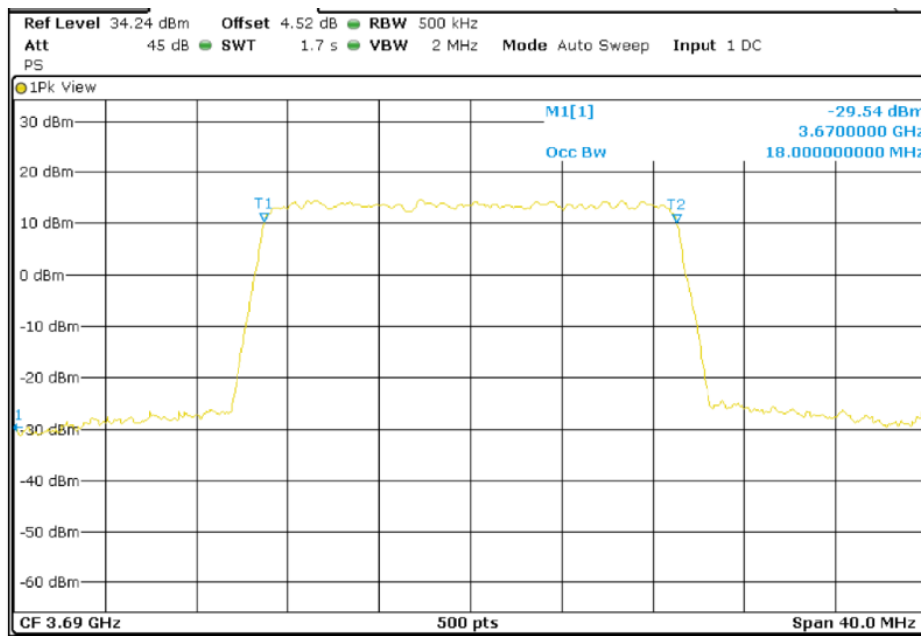


Middle Channel (3650 MHz) 16QAM

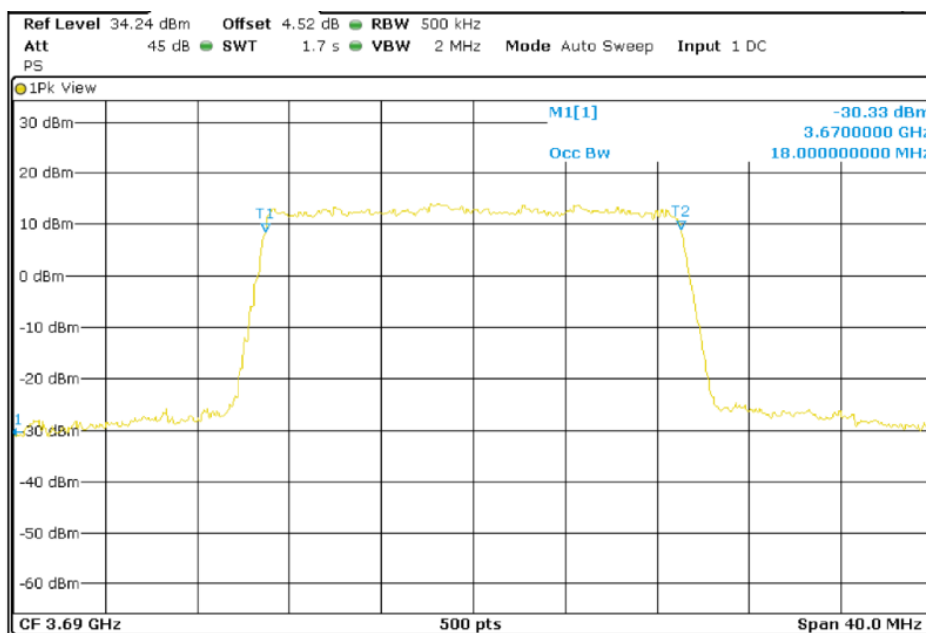


TEST RESULTS (Cont.):

High Channel (3690 MHz) QPSK



High Channel (3690 MHz) 16QAM

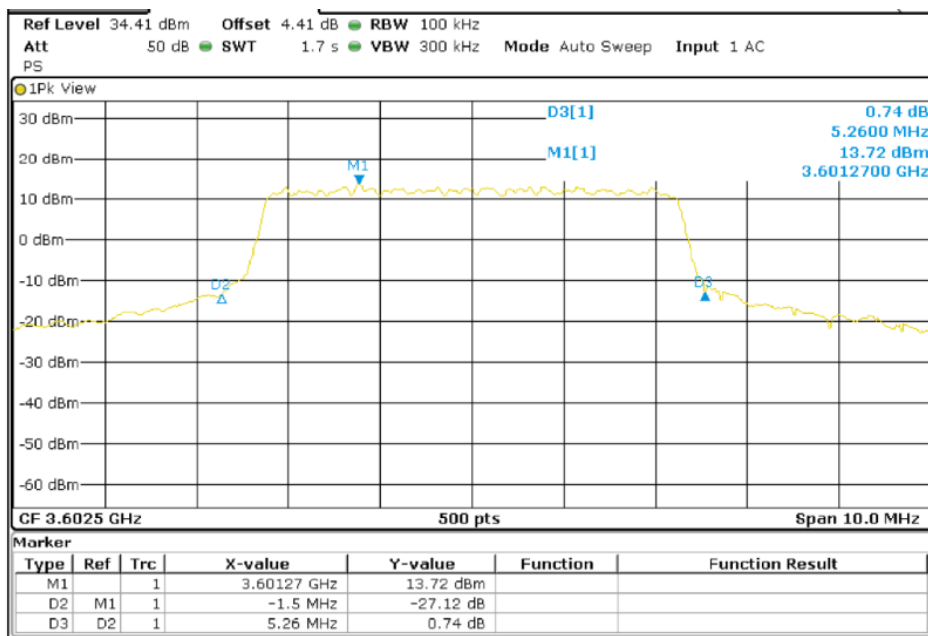


TEST RESULTS (Cont.):

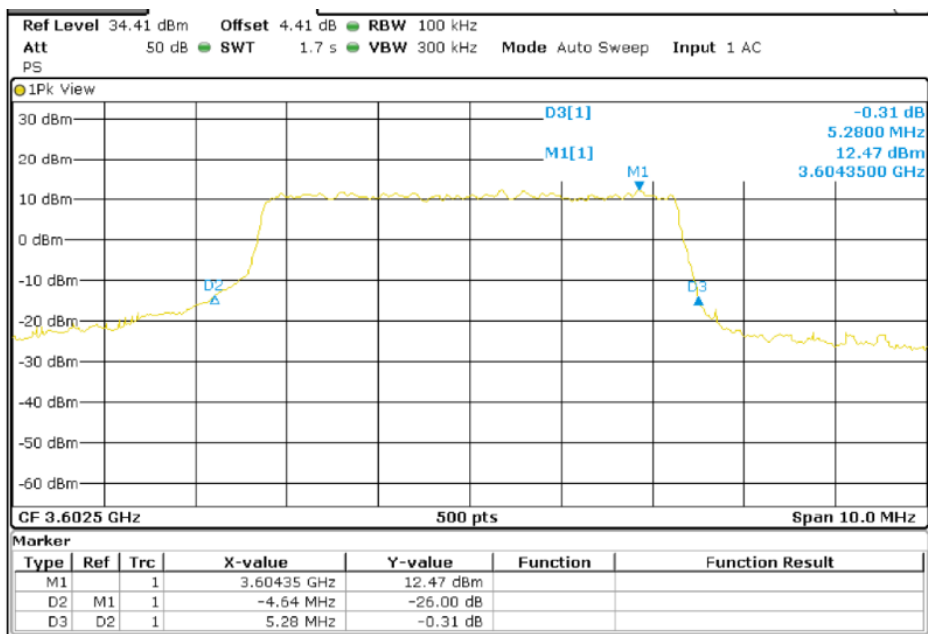
-26dB Bandwidth

5 MHz BW

Lowest Channel (3602.5 MHz) QPSK

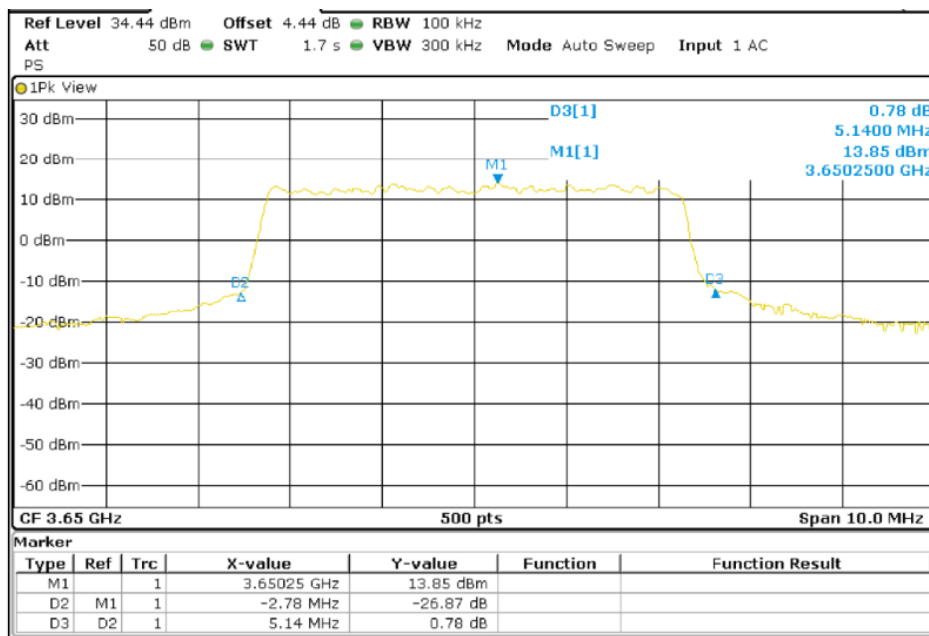


Lowest Channel (3602.5 MHz) 16QAM

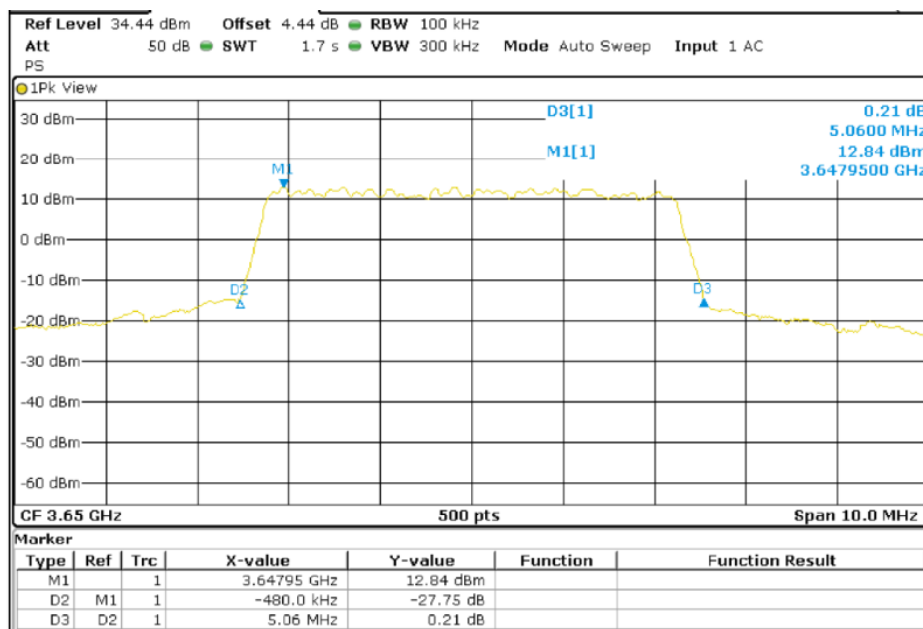


TEST RESULTS (Cont.):

Middle Channel (3650 MHz) QPSK

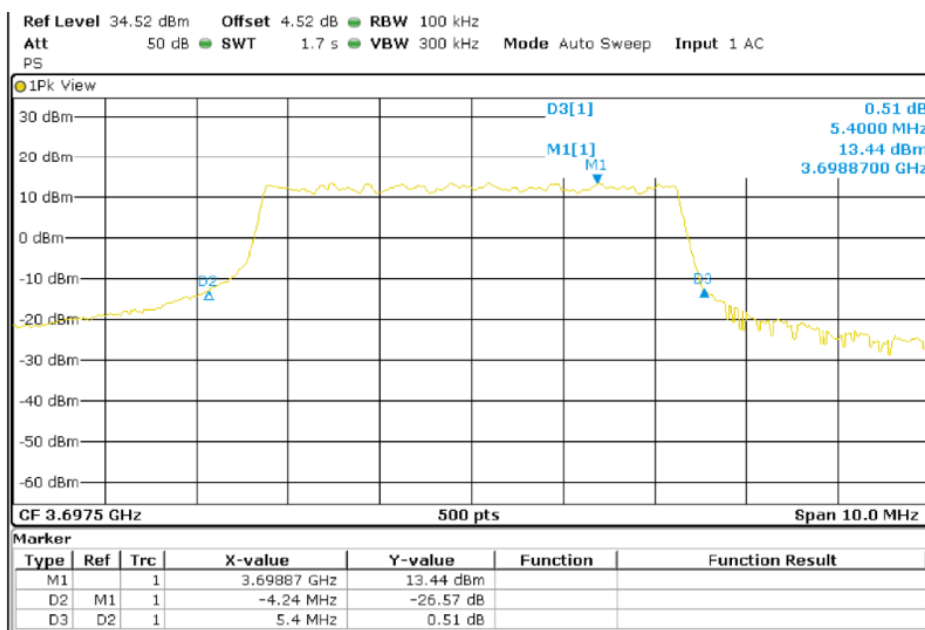


Middle Channel (3650 MHz) 16QAM

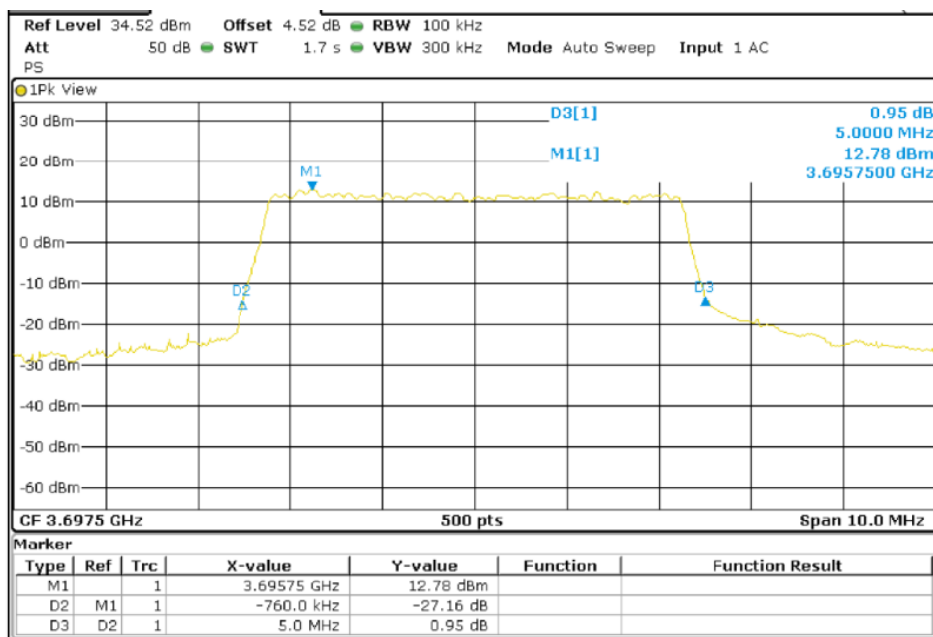


TEST RESULTS (Cont.):

Highest Channel (3697.5 MHz) QPSK



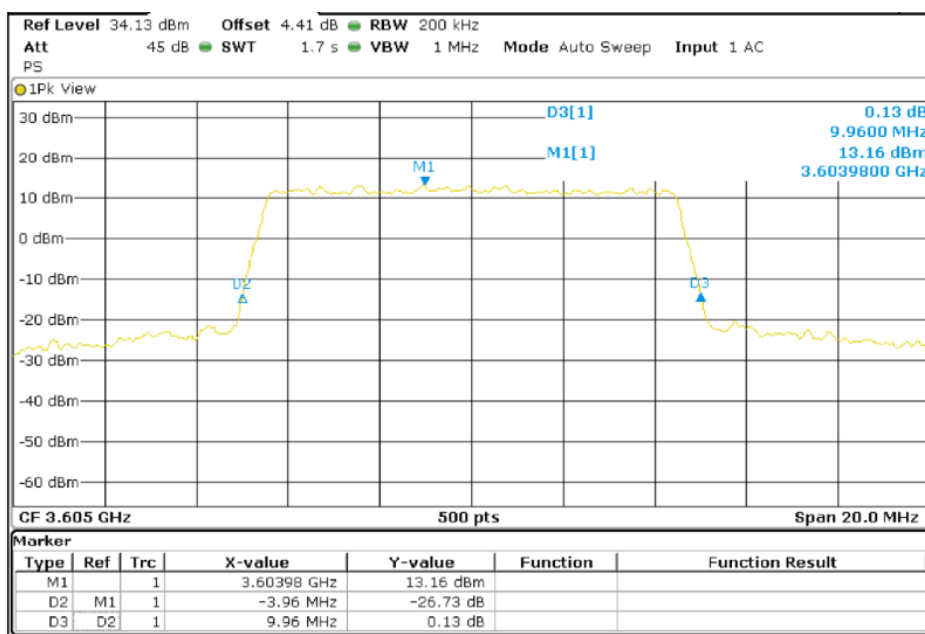
Highest Channel (3697.5 MHz) 16QAM



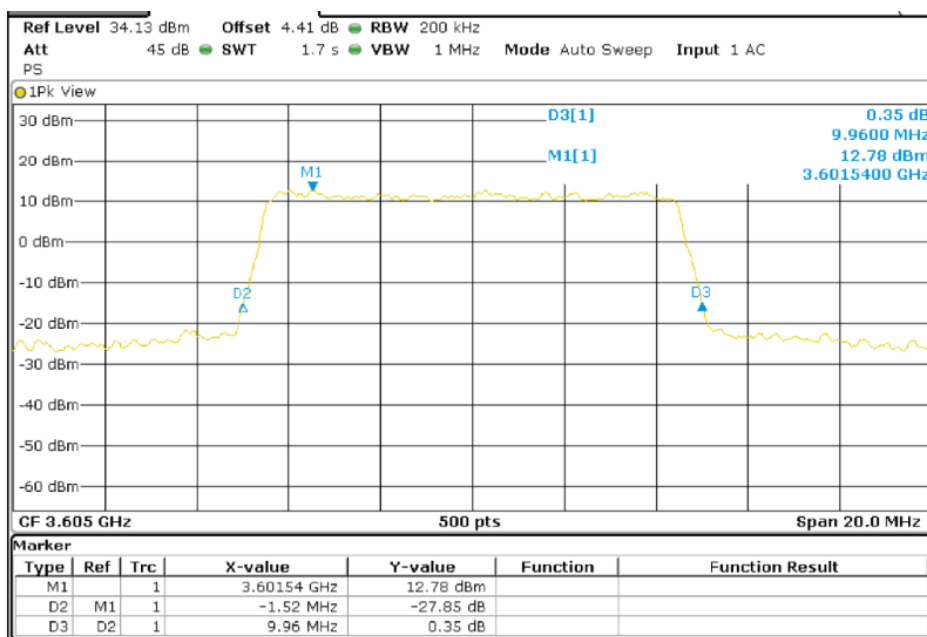
TEST RESULTS (Cont.):

10 MHz BW

Lowest Channel (3605 MHz) QPSK

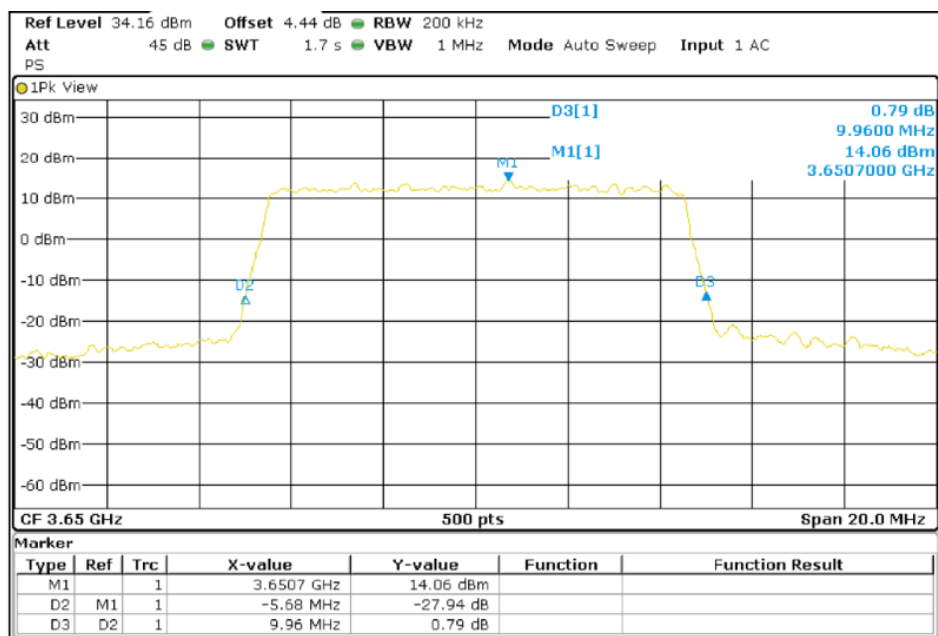


Lowest Channel (3605 MHz) 16QAM

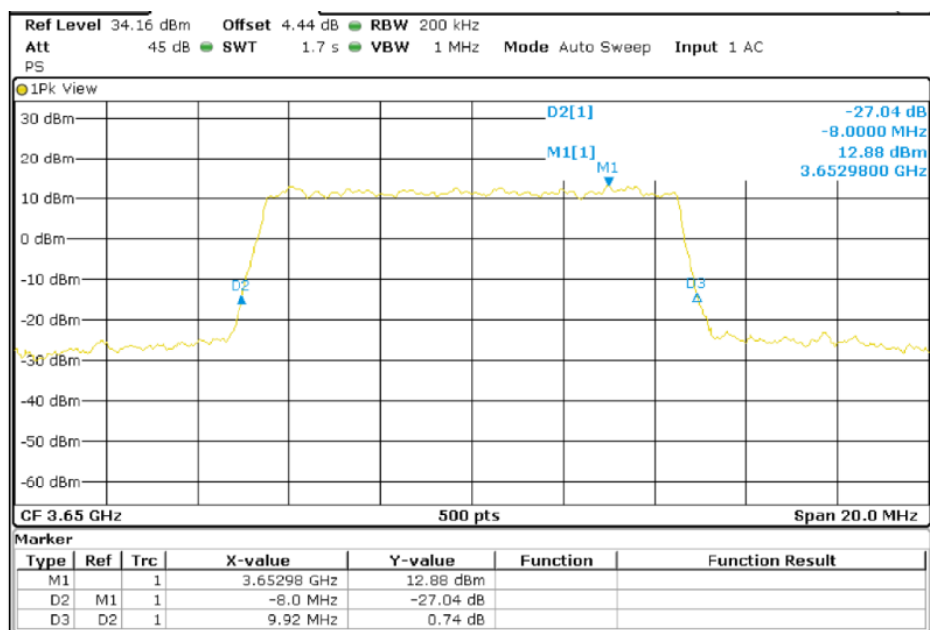


TEST RESULTS (Cont.):

Middle Channel (3650 MHz) QPSK

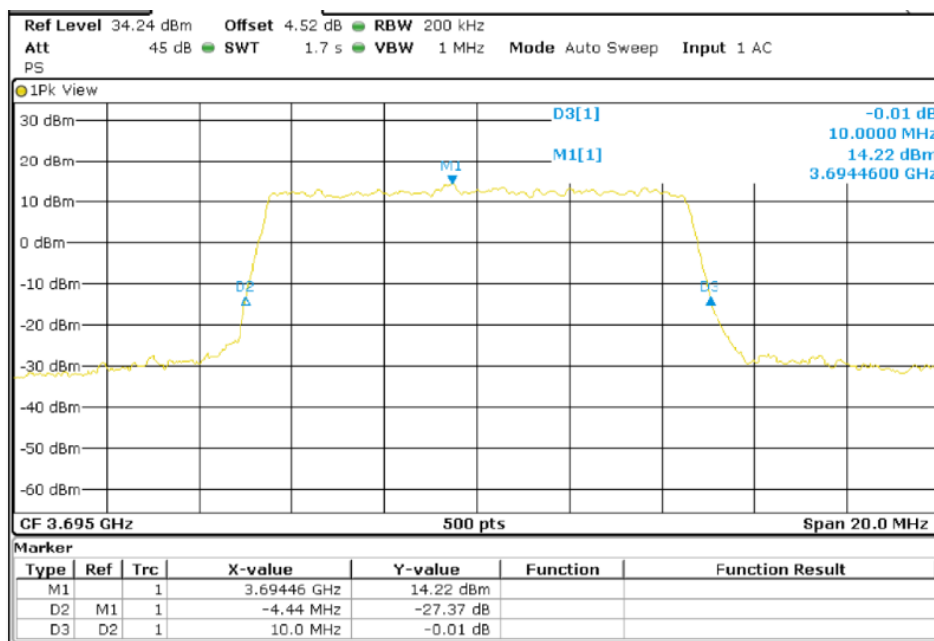


Middle Channel (3650 MHz) 16QAM

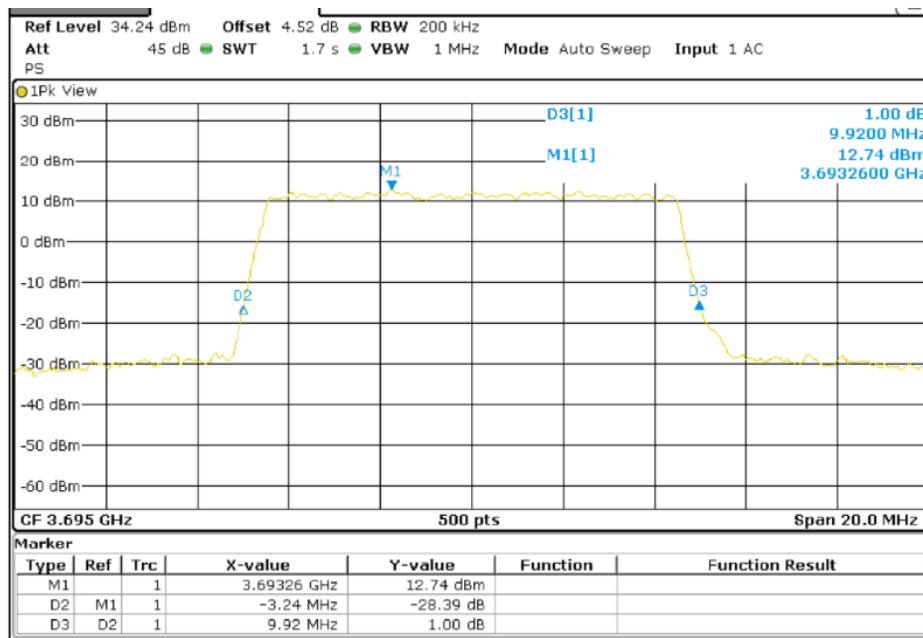


TEST RESULTS (Cont.):

High Channel (3695 MHz) QPSK



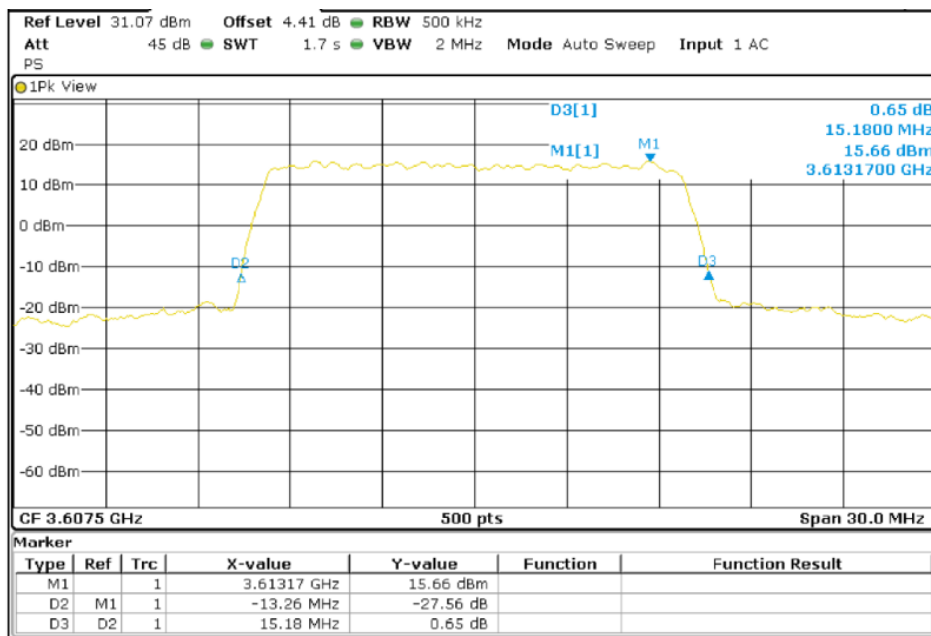
High Channel (3695 MHz) 16QAM



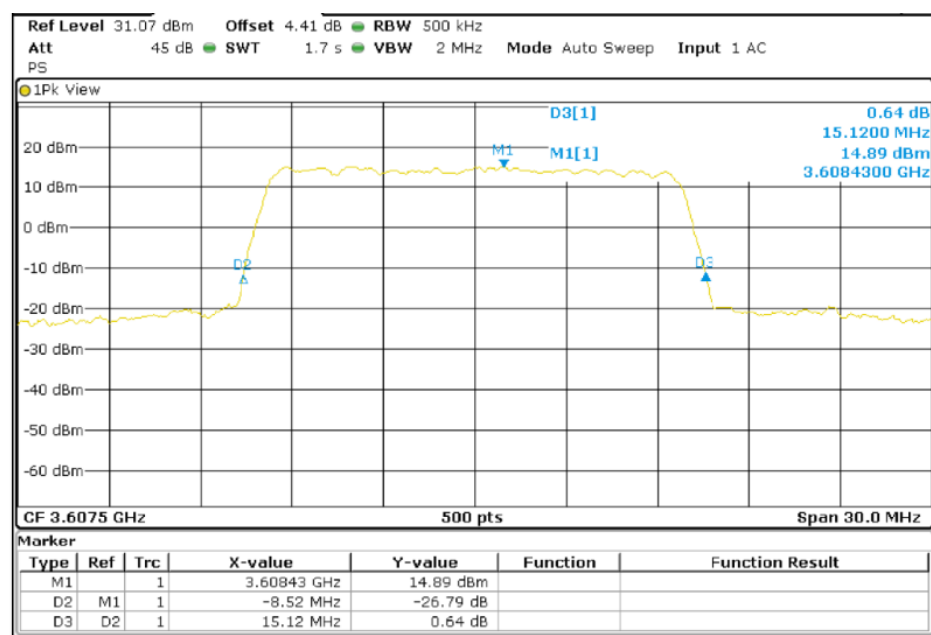
TEST RESULTS (Cont.):

15 MHz BW

Lowest Channel (3607.5 MHz) QPSK

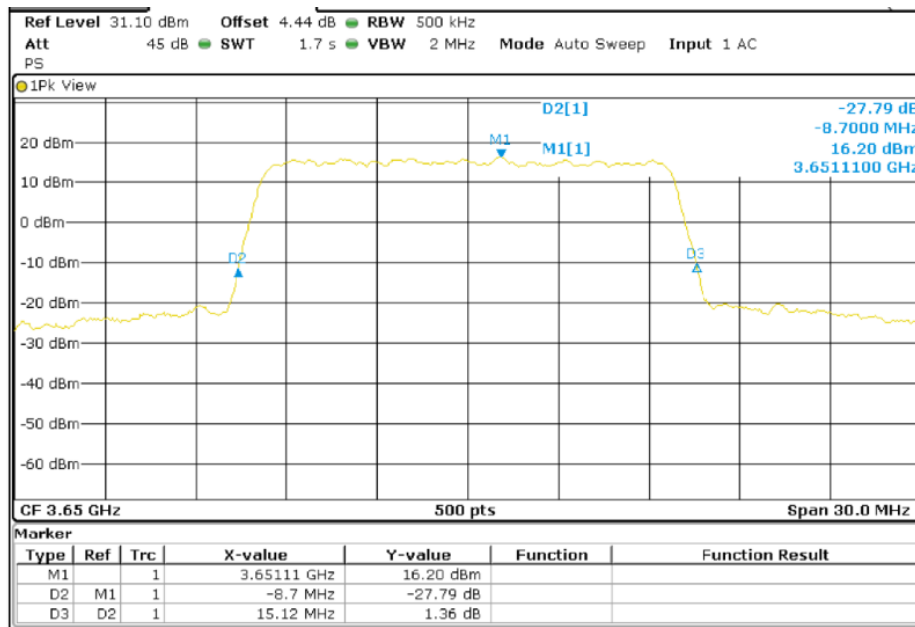


Lowest Channel (3607.5 MHz) 16QAM

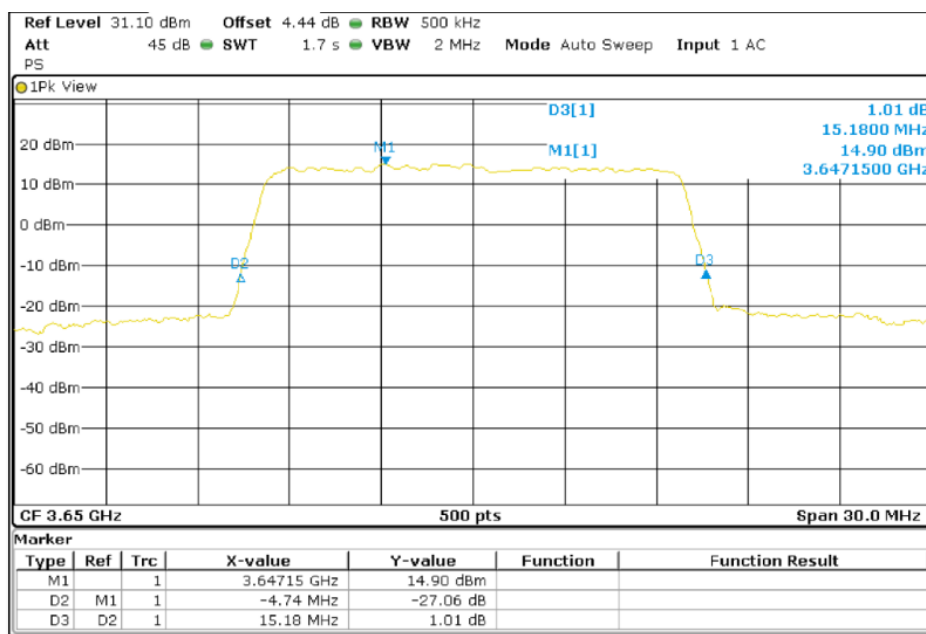


TEST RESULTS (Cont.):

Middle Channel (3650 MHz) QPSK

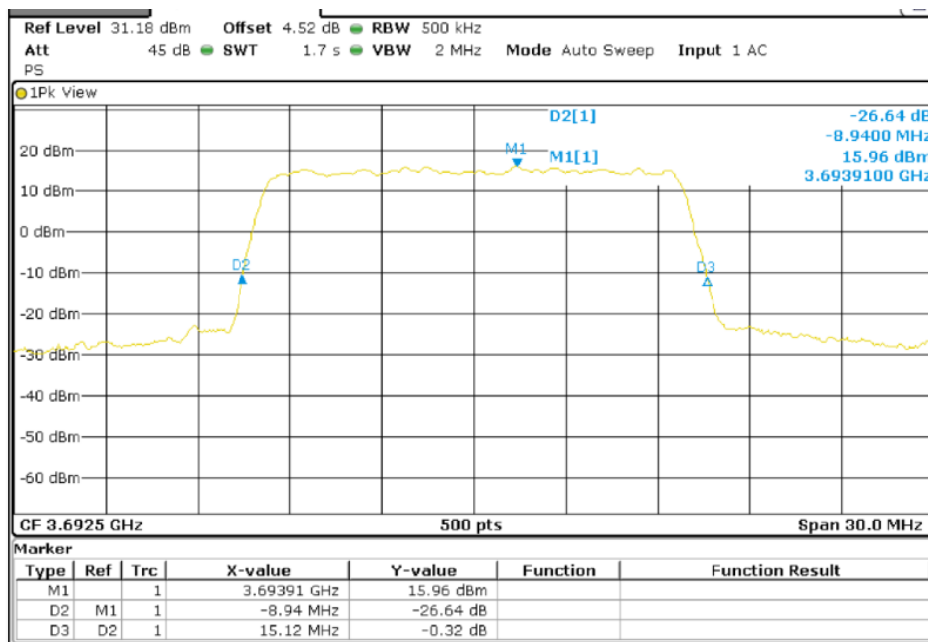


Middle Channel (3650 MHz) 16QAM

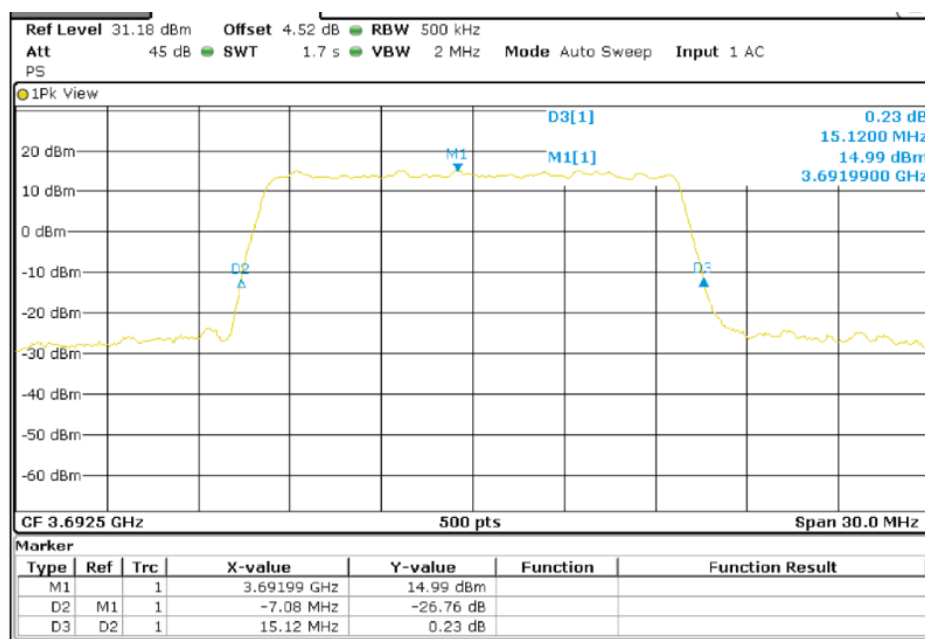


TEST RESULTS (Cont.):

Highest Channel (3692.5 MHz) QPSK



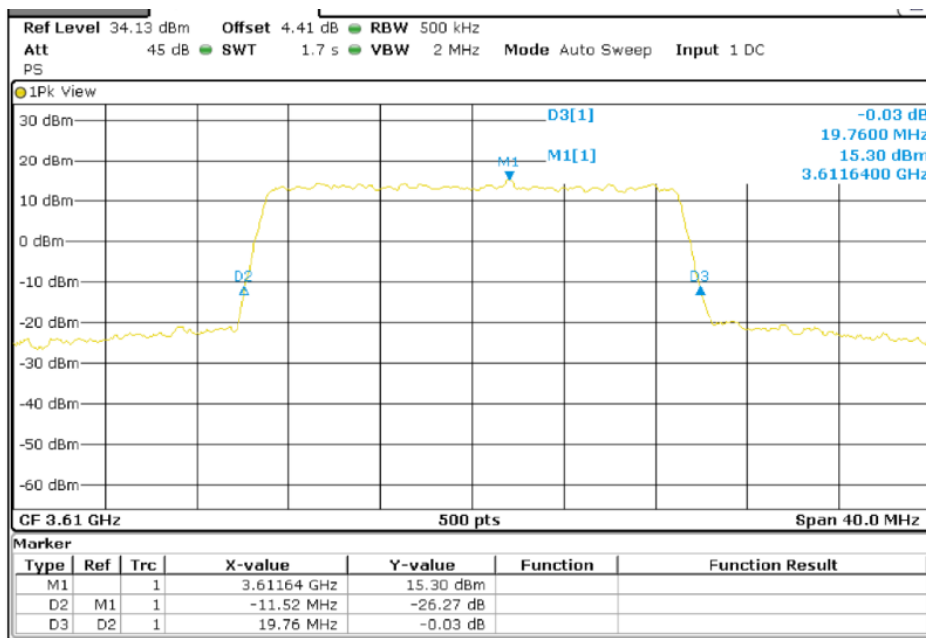
Highest Channel (3692.5 MHz) 16QAM



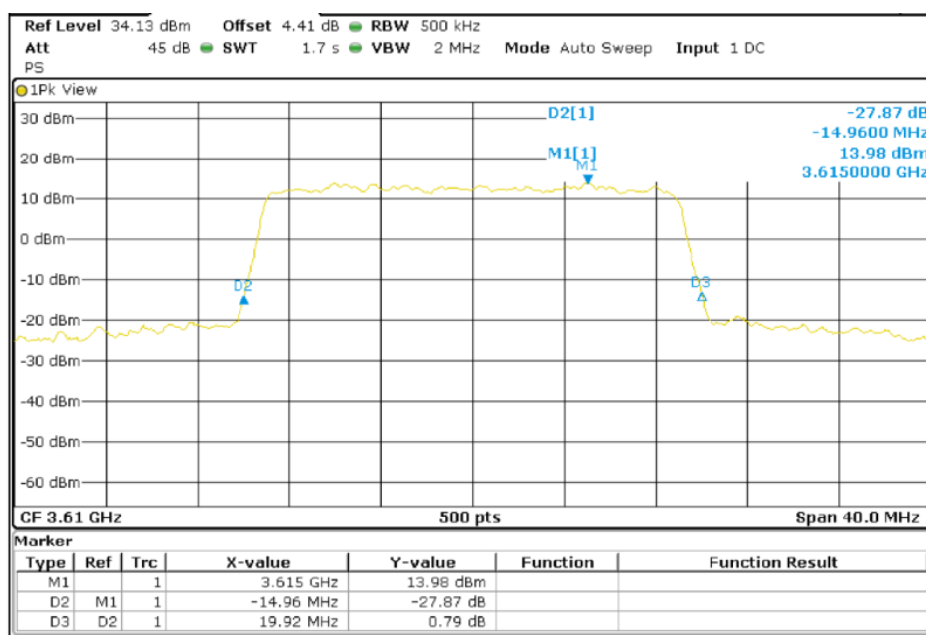
TEST RESULTS (Cont.):

20 MHz BW

Lowest Channel (3610 MHz) QPSK

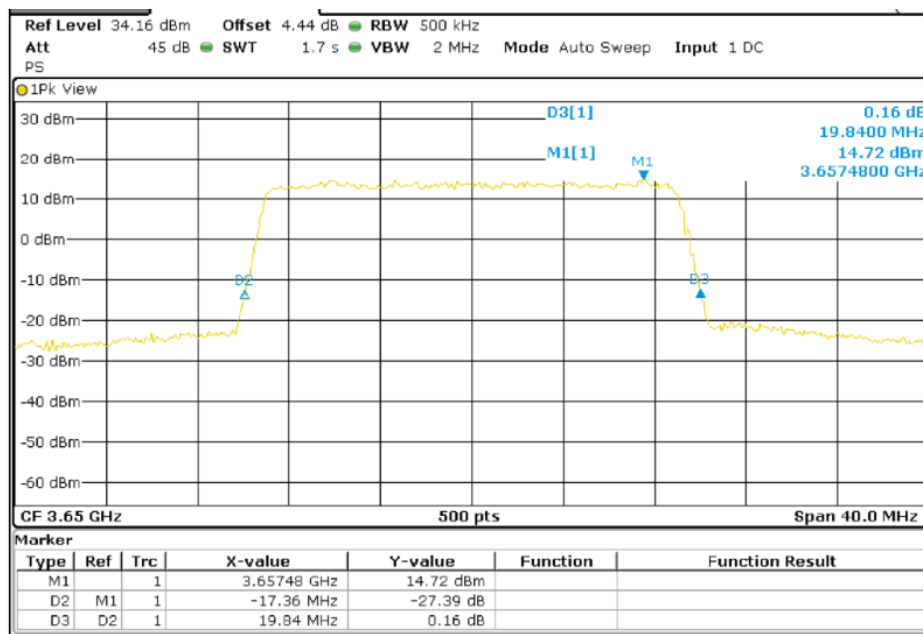


Lowest Channel (3610 MHz) 16QAM

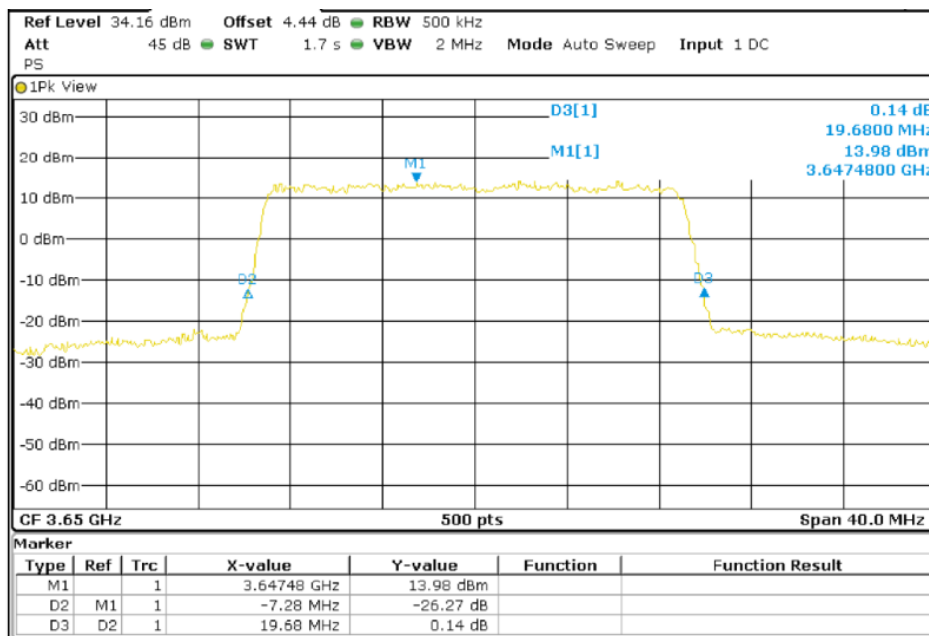


TEST RESULTS (Cont.):

Middle Channel (3650 MHz) QPSK

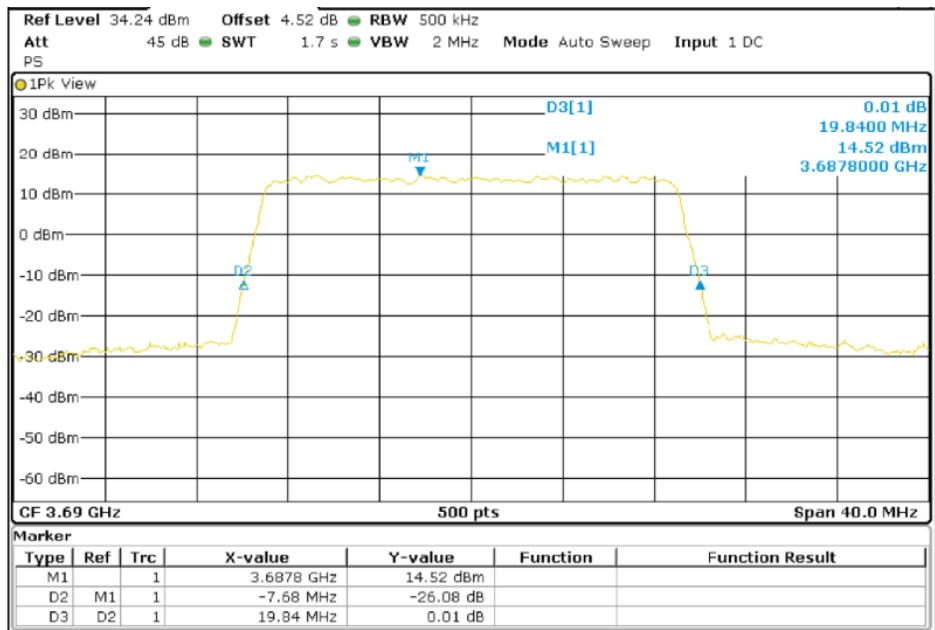


Middle Channel (3650 MHz) 16QAM

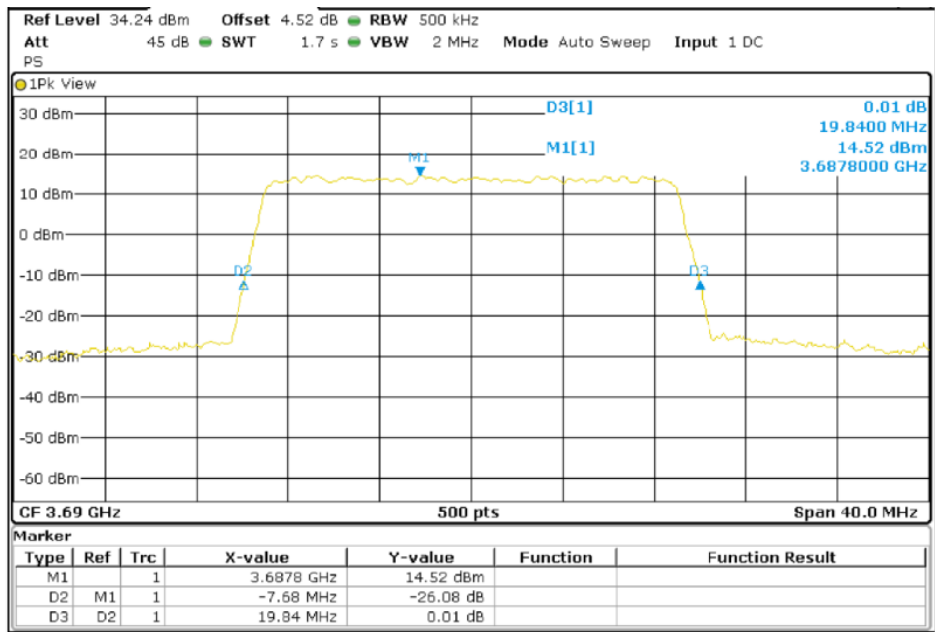


TEST RESULTS (Cont.):

High Channel (3690 MHz) QPSK



High Channel (3690 MHz) 16QAM



TEST A.4: PEAK-TO-AVERAGE POWER RATIO (PAPR)

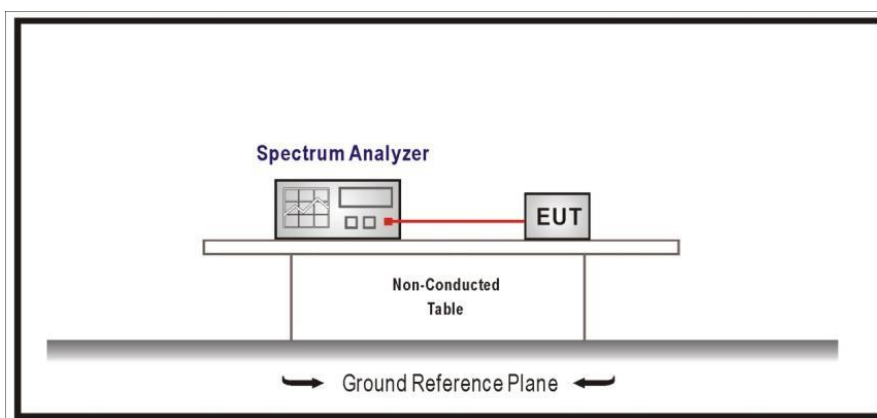
LIMITS:	Product standard:	Part 96.41 Subclause (g)
	Test standard:	ANSI C63.26-2015

LIMITS

In addition to the power limits in Section 96.41, CBSDs need to meet a PAPR limit. For this measurement, the procedure in Section 5.2.6 of ANSI C63.26-2015 is acceptable. CCDF (Complementary Cumulative Distribution Function) measurement was utilized in the spectrum analyzer and the maximum PAPR level with 0.1 % probability values were recorded.

The peak-to-average power ratio (PAPR) of any CBSD transmitter output power must not exceed 13 db.

TEST SETUP



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 (Band 48)
TEST RESULTS:	PASS

5 MHz BW

	Lowest frequency 3552.5 MHz	Middle frequency 3625 MHz	Highest frequency 3697.5 MHz
Peak (dBm)	25.51	25.09	25.09
Mean (dBm)	16.89	16.34	15.75
PAPR at 0.1% probability (dB)	8.55	8.72	9.30
Measurement uncertainty (dB)	<±0.88		

TEST RESULTS (Cont.):

10 MHz BW

	Lowest frequency 3555 MHz	Middle frequency 3625 MHz	Highest frequency 3695 MHz
Peak (dBm)	22.28	22.57	21.85
Mean (dBm)	12.17	12.46	12.03
PAPR at 0.1% probability (dB)	10.06	10.03	9.65
Measurement uncertainty (dB)	<±0.88		

15 MHz BW

	Lowest frequency 3557.5 MHz	Middle frequency 3625 MHz	Highest frequency 3692.5 MHz
Peak (dBm)	23.01	25.27	25.17
Mean (dBm)	12.88	15.32	14.77
PAPR at 0.1% probability (dB)	10.12	9.91	10.29
Measurement uncertainty (dB)	<±0.88		

20 MHz BW

	Lowest frequency 3560 MHz	Middle frequency 3625 MHz	Highest frequency 3690 MHz
Peak (dBm)	22.48	19.07	19.04
Mean (dBm)	11.92	8.54	8.23
PAPR at 0.1% probability (dB)	10.52	9.83	10.14
Measurement uncertainty (dB)	<±0.88		

Verdict: PASS
(See next plots)

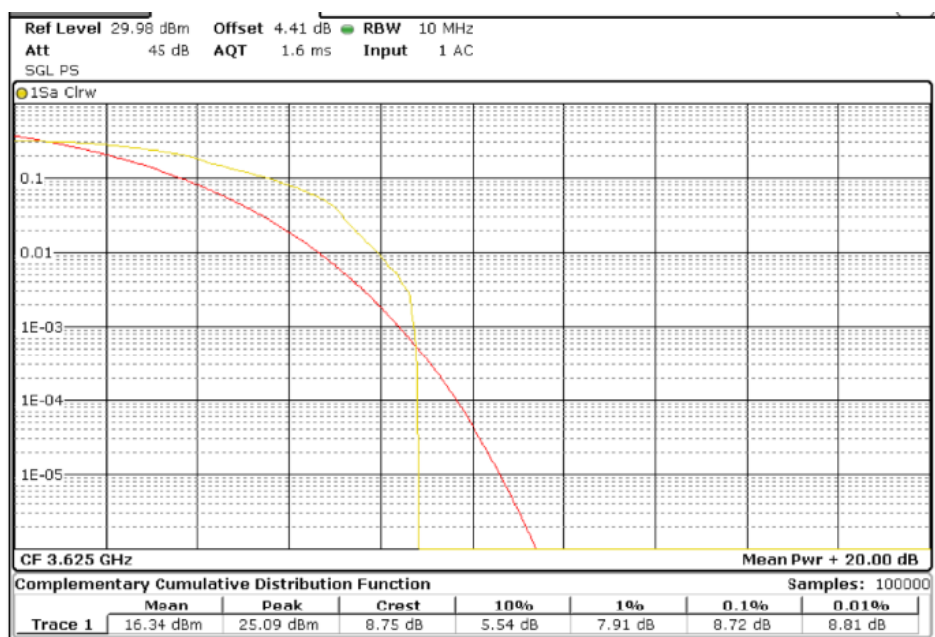
TEST RESULTS (Cont.):

5 MHz BW

Lowest Channel (3552.5 MHz)

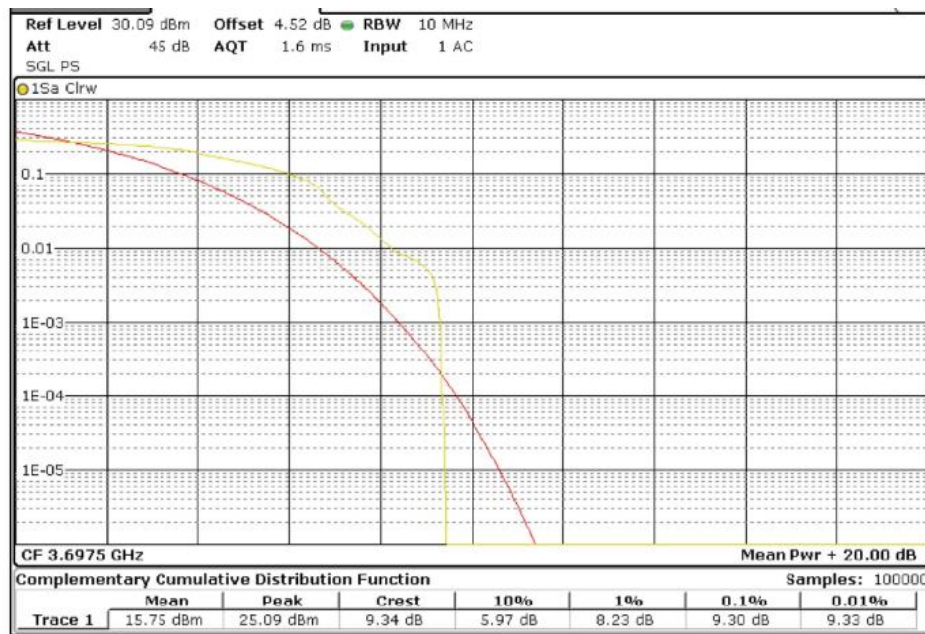


Middle Channel (3625 MHz)



TEST RESULTS (Cont.):

Highest Channel (3697.5 MHz)



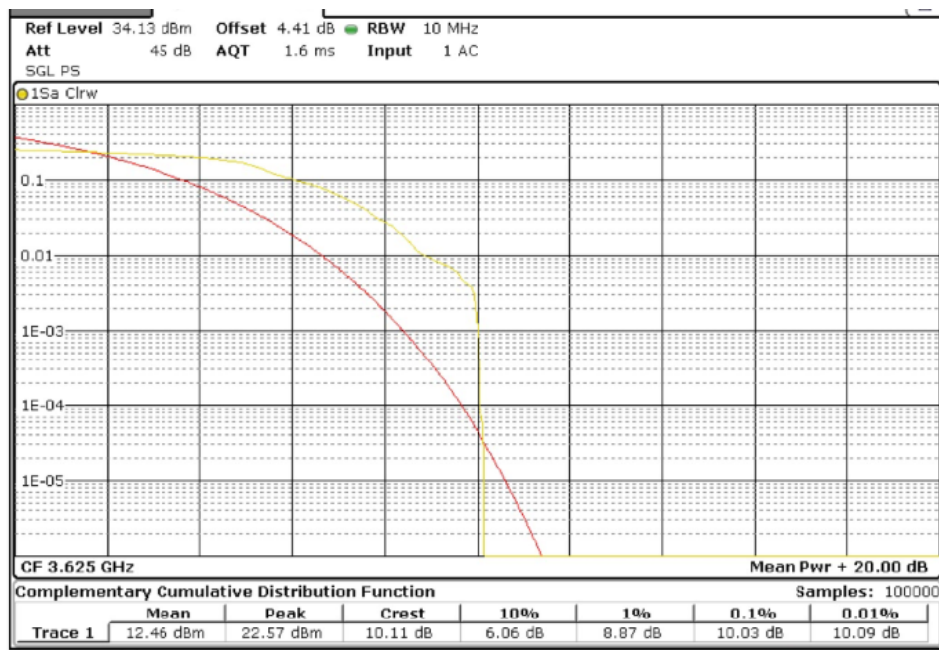
10 MHz BW

Lowest Channel (3555 MHz)



TEST RESULTS (Cont.):

Middle Channel (3625 MHz)



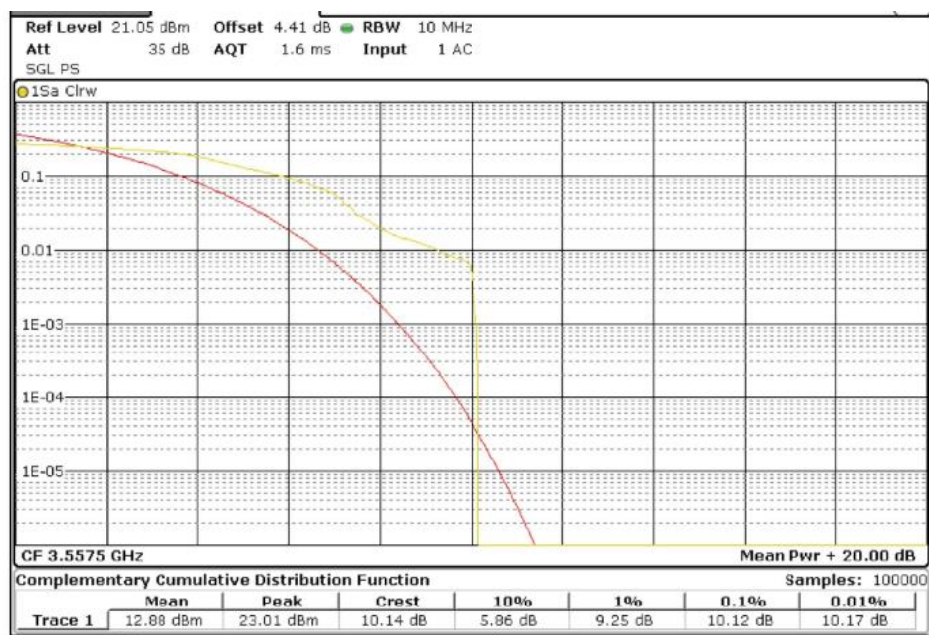
Highest Channel (3695 MHz)



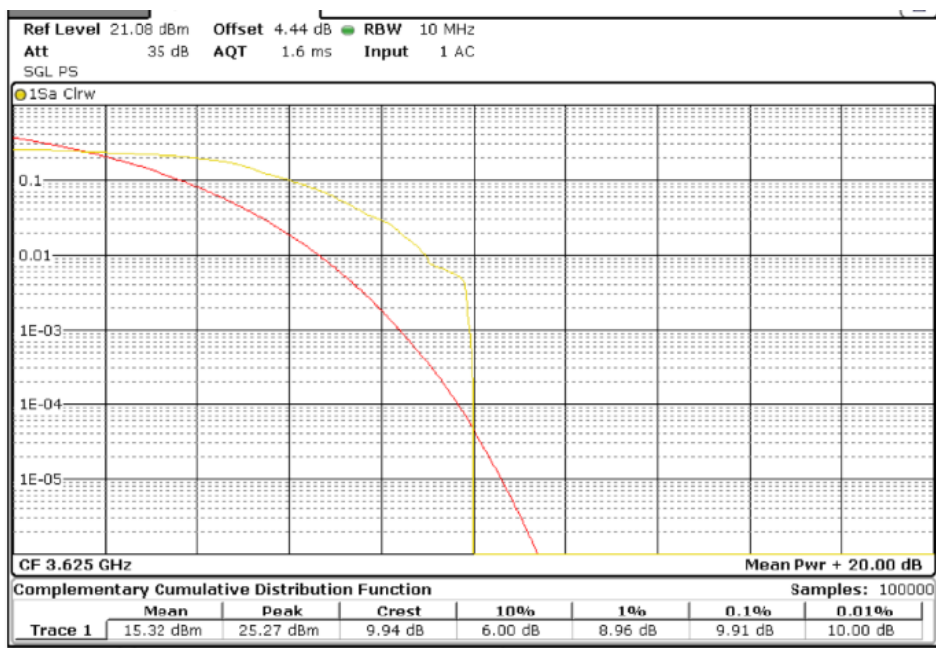
TEST RESULTS (Cont.):

15 MHz BW

Lowest Channel (3557.5 MHz)

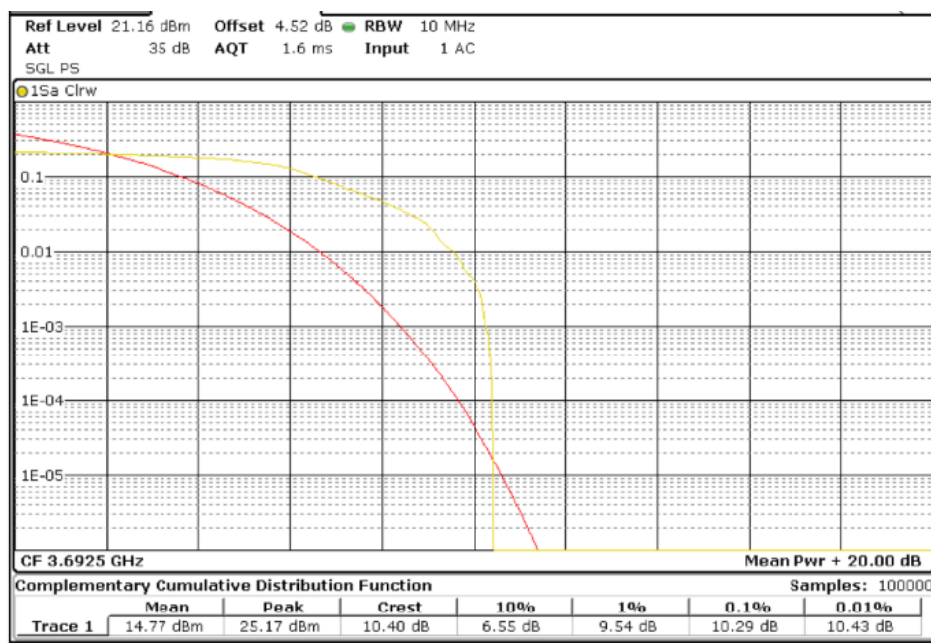


Middle Channel (3625 MHz)



TEST RESULTS (Cont.):

Highest Channel (3692.5 MHz)



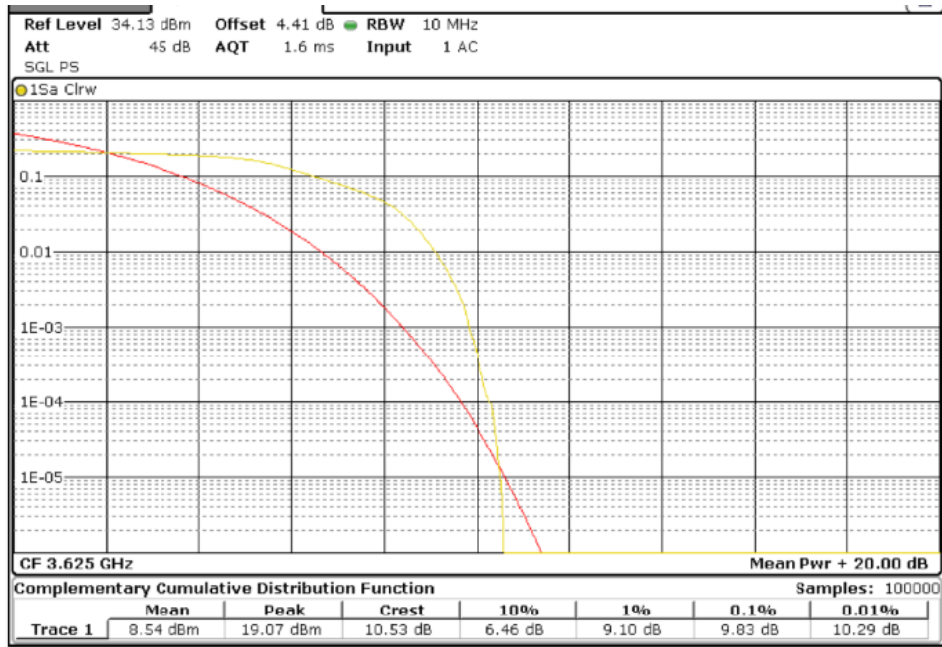
20 MHz BW

Lowest Channel (3560 MHz)



TEST RESULTS (Cont.):

Middle Channel (3625 MHz)



Highest Channel (3690 MHz)



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (Band 42)
TEST RESULTS:	PASS

5 MHz BW

	Lowest frequency 3552.5 MHz	Middle frequency 3575 MHz	Highest frequency 3597.5 MHz
Peak (dBm)	25.51	24.75	24.79
Mean (dBm)	16.89	13.95	14.57
PAPR at 0.1% probability (dB)	8.55	10.75	10.20
Measurement uncertainty (dB)	<±0.88		

10 MHz BW

	Lowest frequency 3555 MHz	Middle frequency 3575 MHz	Highest frequency 3595 MHz
Peak (dBm)	22.28	24.67	24.64
Mean (dBm)	12.17	15.52	15.10
PAPR at 0.1% probability (dB)	10.06	9.04	9.42
Measurement uncertainty (dB)	<±0.88		

15 MHz BW

	Lowest frequency 3557.5 MHz	Middle frequency 3575 MHz	Highest frequency 3592.5 MHz
Peak (dBm)	23.01	24.35	25.00
Mean (dBm)	12.88	13.68	15.05
PAPR at 0.1% probability (dB)	10.12	10.58	9.86
Measurement uncertainty (dB)	<±0.88		

20 MHz BW

	Lowest frequency 3560 MHz	Middle frequency 3575 MHz	Highest frequency 3590 MHz
Peak (dBm)	22.48	24.26	24.67
Mean (dBm)	11.92	13.95	14.15
PAPR at 0.1% probability (dB)	10.52	10.17	10.49
Measurement uncertainty (dB)	<±0.88		

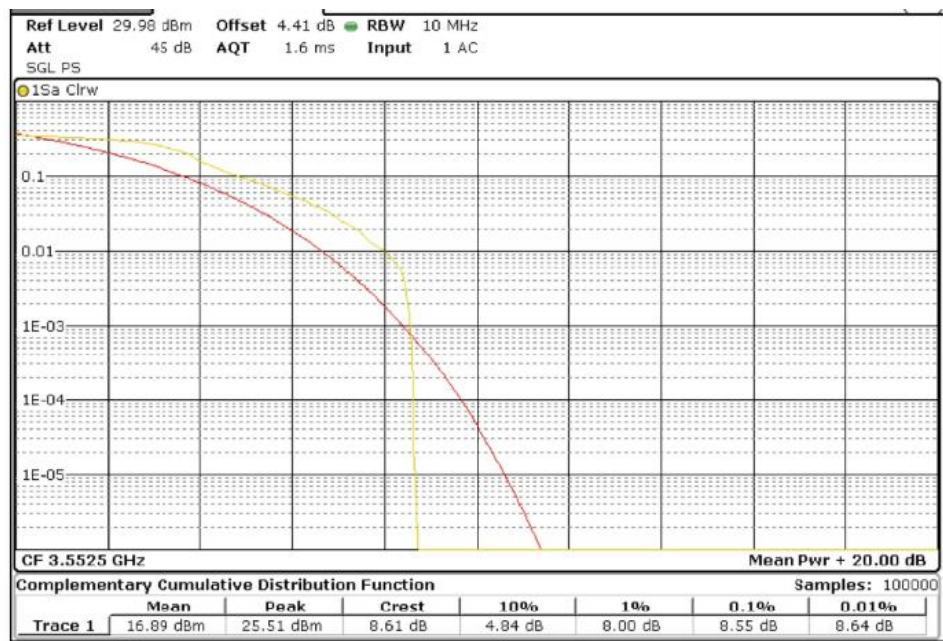
Verdict: PASS

(See next plots)

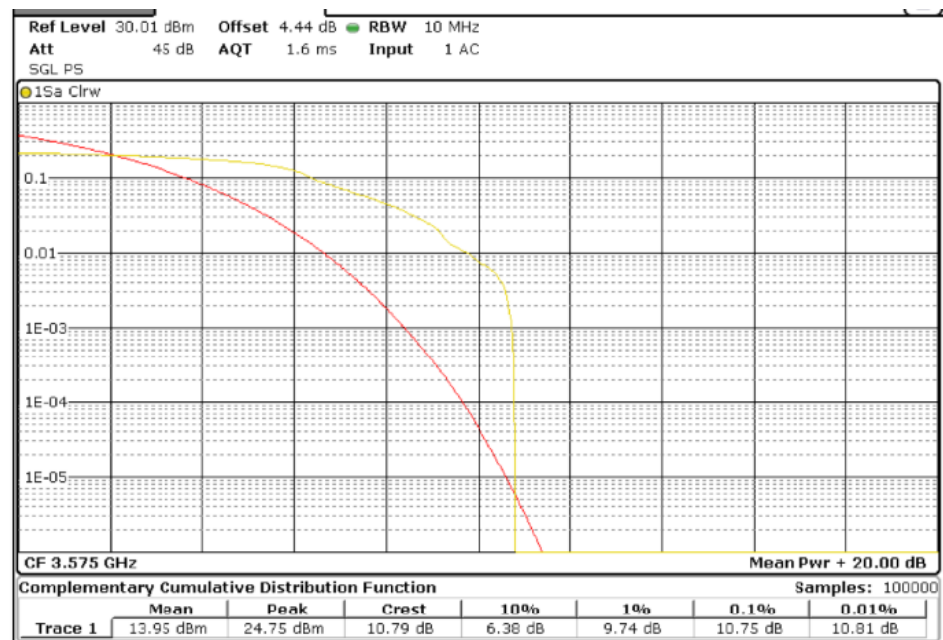
TEST RESULTS (Cont.):

5 MHz BW

Lowest Channel (3552.5 MHz)

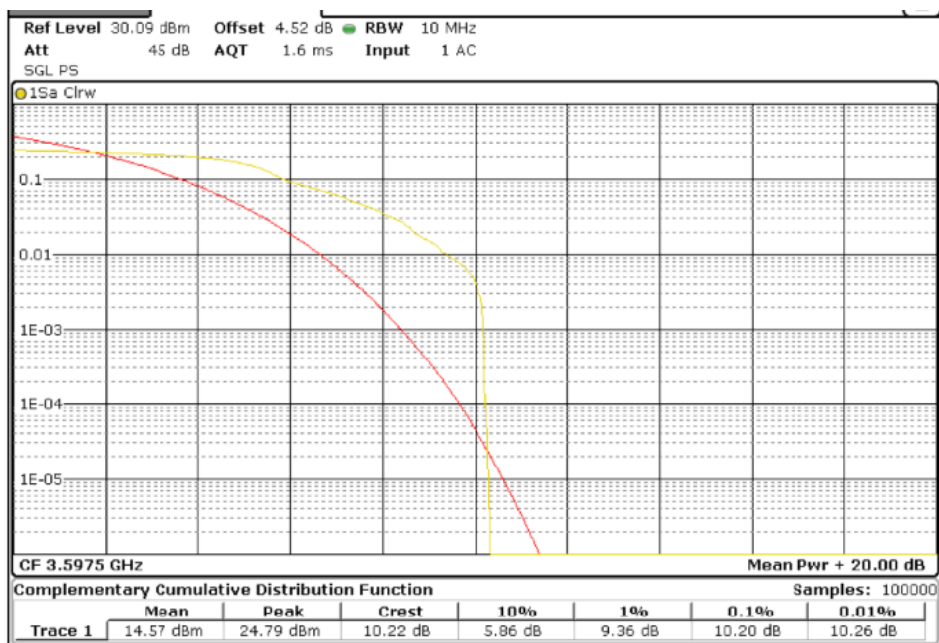


Middle Channel (3575 MHz)



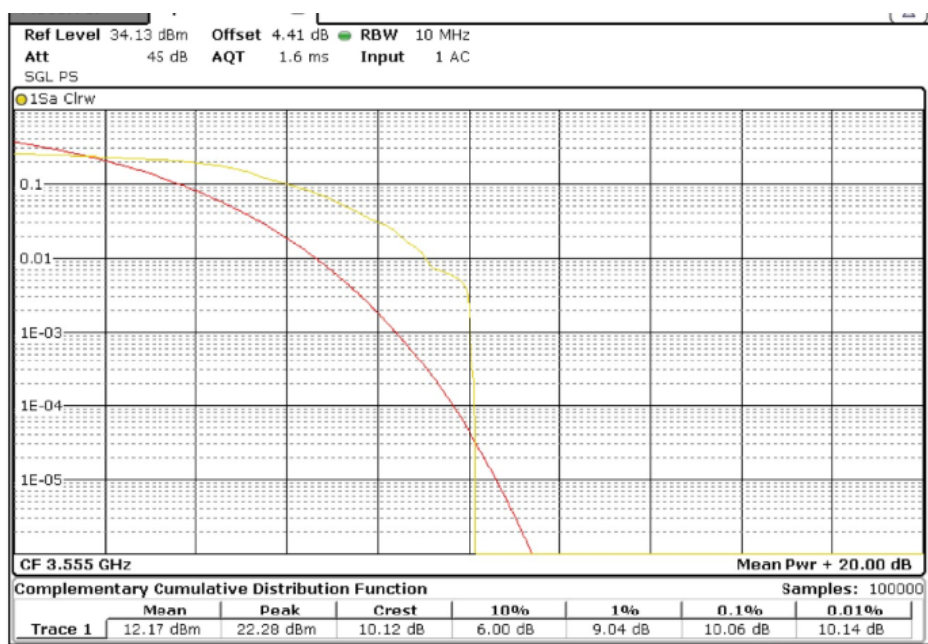
TEST RESULTS (Cont.):

Highest Channel (3597.5 MHz)



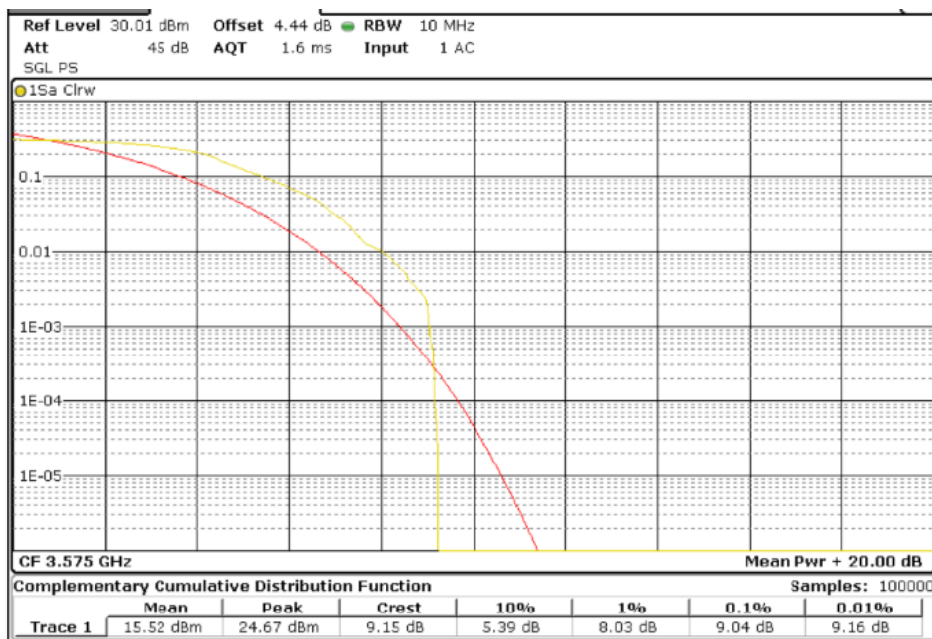
10 MHz BW

Lowest Channel (3555 MHz)

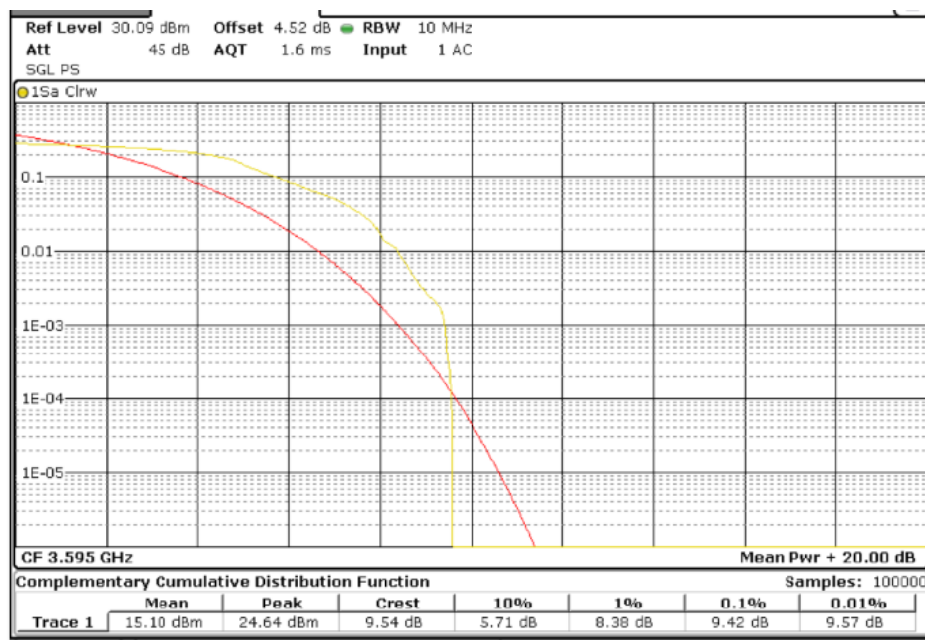


TEST RESULTS (Cont.):

Middle Channel (3575 MHz)



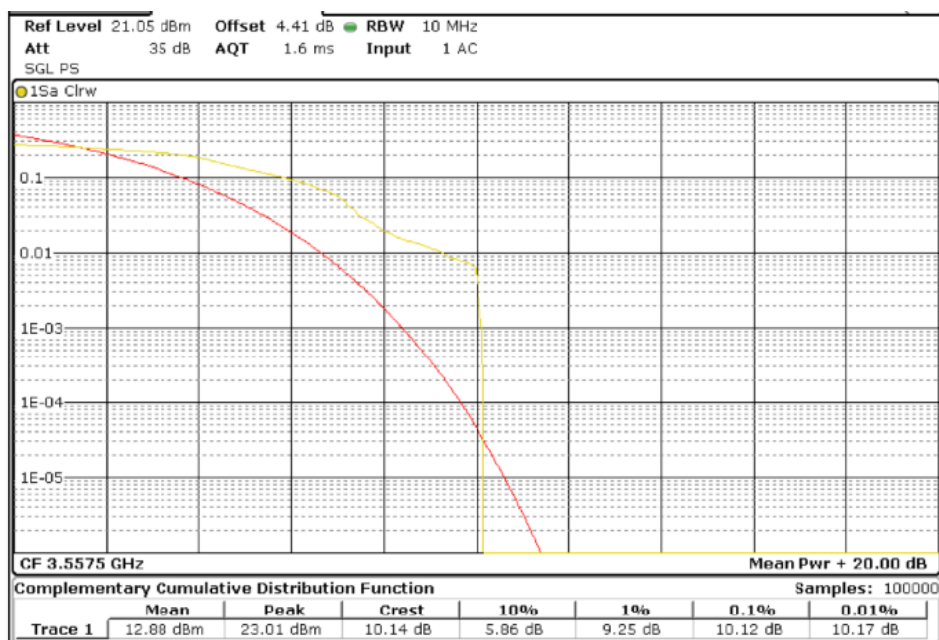
Highest Channel (3595 MHz)



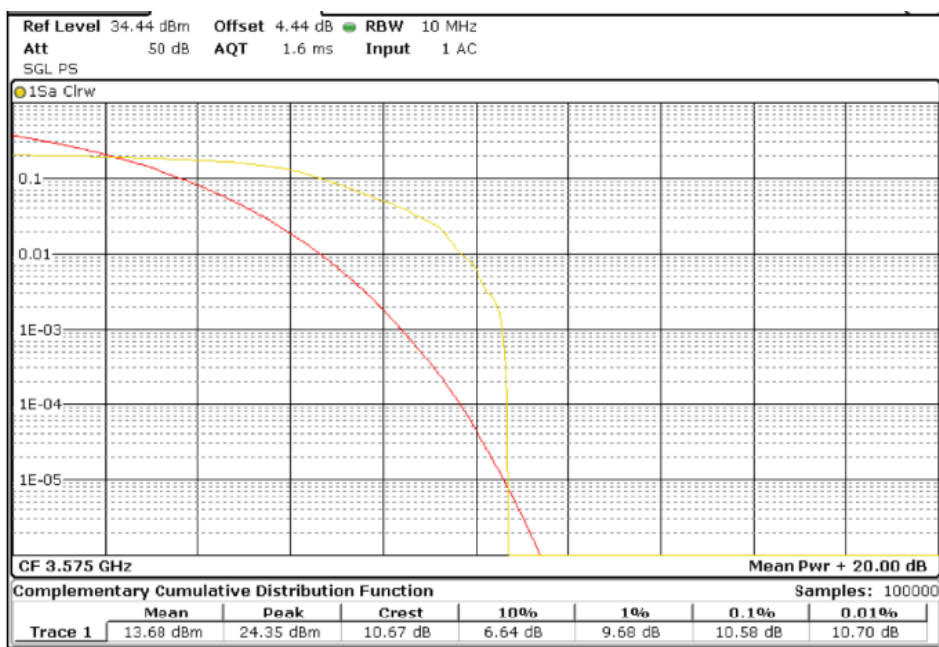
TEST RESULTS (Cont.):

15 MHz BW

Lowest Channel (3557.5 MHz)

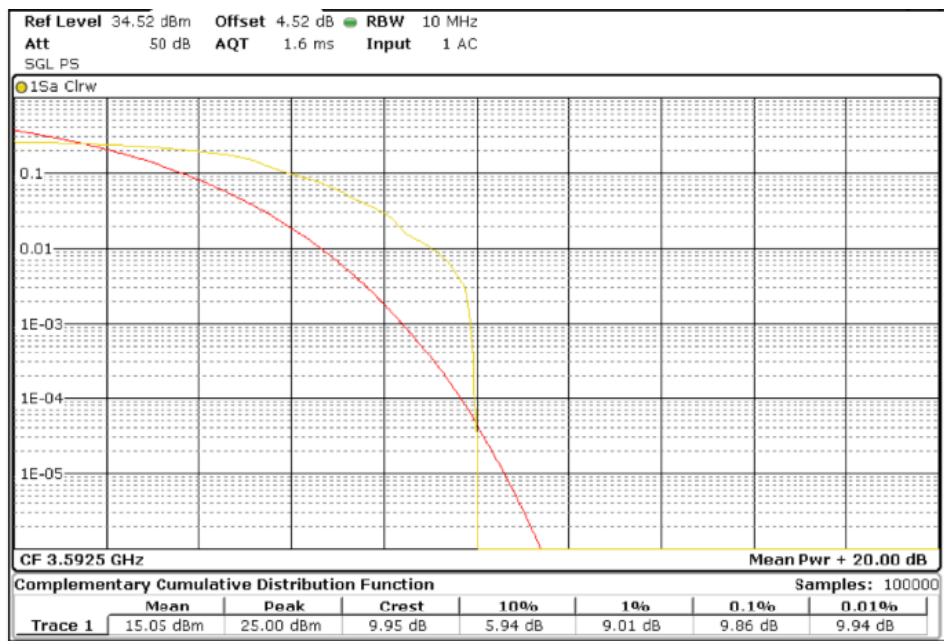


Middle Channel (3575 MHz)



TEST RESULTS (Cont.):

Highest Channel (3592.5 MHz)



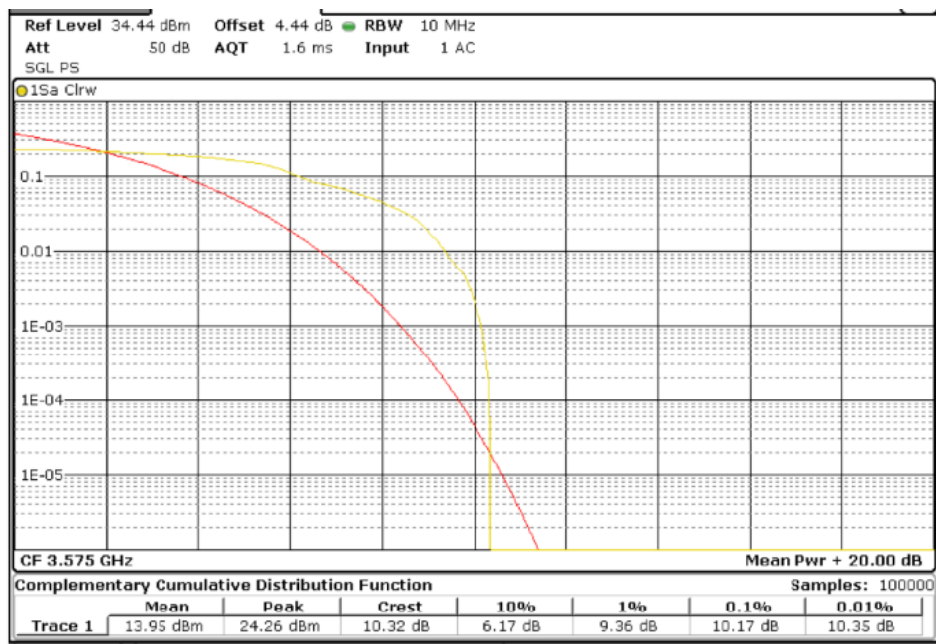
20 MHz BW

Lowest Channel (3560 MHz)

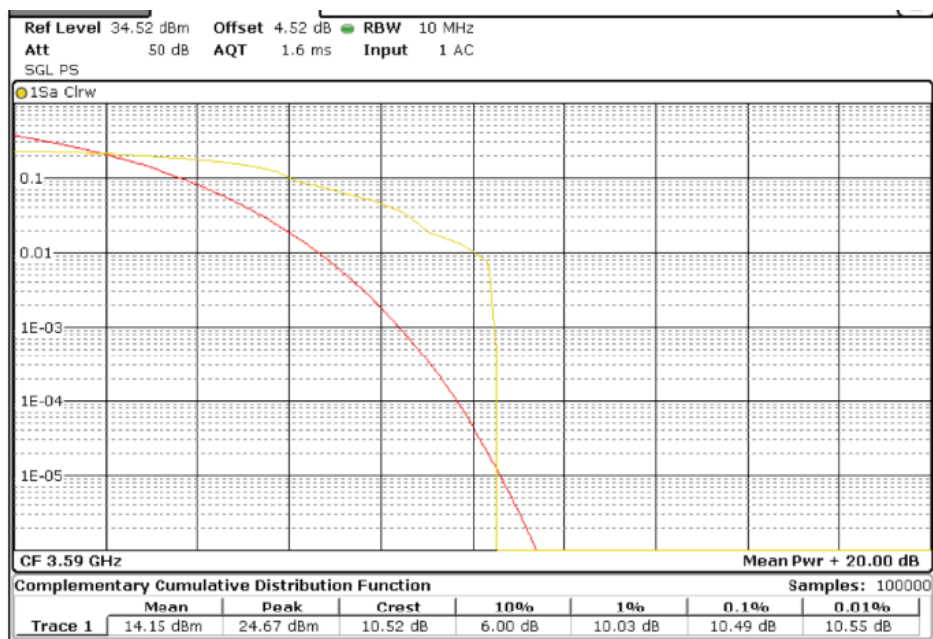


TEST RESULTS (Cont.):

Middle Channel (3575 MHz)



Highest Channel (3590 MHz)



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (Band 43)
TEST RESULTS:	PASS

5 MHz BW

	Lowest frequency 3602.5 MHz	Middle frequency 3650 MHz	Highest frequency 3697.5 MHz
Peak (dBm)	24.87	25.17	25.09
Mean (dBm)	14.62	15.40	15.75
PAPR at 0.1% probability (dB)	10.23	9.74	9.30
Measurement uncertainty (dB)	<±0.88		

10 MHz BW

	Lowest frequency 3605 MHz	Middle frequency 3650 MHz	Highest frequency 3695 MHz
Peak (dBm)	24.40	24.89	21.85
Mean (dBm)	13.94	14.13	12.03
PAPR at 0.1% probability (dB)	10.35	10.67	9.65
Measurement uncertainty (dB)	<±0.88		

15 MHz BW

	Lowest frequency 3607.5 MHz	Middle frequency 3650 MHz	Highest frequency 3692.5 MHz
Peak (dBm)	24.67	24.64	25.17
Mean (dBm)	14.73	13.51	14.77
PAPR at 0.1% probability (dB)	9.88	11.10	10.29
Measurement uncertainty (dB)	<±0.88		

20 MHz BW

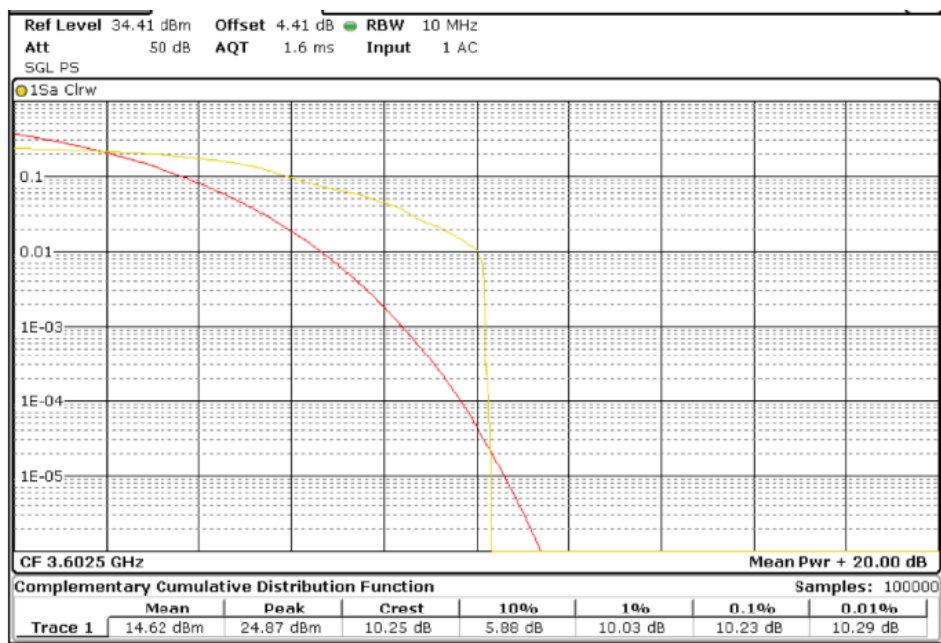
	Lowest frequency 3610 MHz	Middle frequency 3650 MHz	Highest frequency 3690 MHz
Peak (dBm)	24.89	24.90	19.04
Mean (dBm)	14.10	14.90	8.23
PAPR at 0.1% probability (dB)	10.70	9.91	10.14
Measurement uncertainty (dB)	<±0.88		

Verdict: PASS
(See next plots)

TEST RESULTS (Cont.):

5 MHz BW

Lowest Channel (3602.5 MHz)



Middle Channel (3650 MHz)

