APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	18607	1.4	1	0	23.20
QPSK	1850.7	18607	1.4	1	3	22.91
QPSK	1850.7	18607	1.4	1	5	23.00
QPSK	1850.7	18607	1.4	3	0	23.12
QPSK	1850.7	18607	1.4	3	1	23.17
QPSK	1850.7	18607	1.4	3	3	23.05
QPSK	1850.7	18607	1.4	6	0	22.05
QPSK	1880	18900	1.4	1	0	23.08
QPSK	1880	18900	1.4	1	3	23.03
QPSK	1880	18900	1.4	1	5	23.16
QPSK	1880	18900	1.4	3	0	23.07
QPSK	1880	18900	1.4	3	1	23.11
QPSK	1880	18900	1.4	3	3	22.96
QPSK	1880	18900	1.4	6	0	21.94
QPSK	1909.3	19193	1.4	1	0	23.18
QPSK	1909.3	19193	1.4	1	3	23.09
QPSK	1909.3	19193	1.4	1	5	23.07
QPSK	1909.3	19193	1.4	3	0	22.88
QPSK	1909.3	19193	1.4	3	1	22.92
QPSK	1909.3	19193	1.4	3	3	22.81
QPSK	1909.3	19193	1.4	6	0	21.75

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1850.7	18607	1.4	1	0	22.29
16QAM	1850.7	18607	1.4	1	3	22.59
16QAM	1850.7	18607	1.4	1	5	22.68
16QAM	1850.7	18607	1.4	3	0	22.37
16QAM	1850.7	18607	1.4	3	1	22.18
16QAM	1850.7	18607	1.4	3	3	22.32
16QAM	1850.7	18607	1.4	6	0	21.17
16QAM	1880	18900	1.4	1	0	21.68
16QAM	1880	18900	1.4	1	3	22.27
16QAM	1880	18900	1.4	1	5	22.30
16QAM	1880	18900	1.4	3	0	22.09
16QAM	1880	18900	1.4	3	1	22.02
16QAM	1880	18900	1.4	3	3	22.15
16QAM	1880	18900	1.4	6	0	20.62
16QAM	1909.3	19193	1.4	1	0	22.16
16QAM	1909.3	19193	1.4	1	3	22.20
16QAM	1909.3	19193	1.4	1	5	22.35
16QAM	1909.3	19193	1.4	3	0	22.28
16QAM	1909.3	19193	1.4	3	1	22.09
16QAM	1909.3	19193	1.4	3	3	21.91
16QAM	1909.3	19193	1.4	6	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.41
QPSK	1851.5	18615	3	1	8	23.33
QPSK	1851.5	18615	3	1	14	23.33
QPSK	1851.5	18615	3	8	0	22.14
QPSK	1851.5	18615	3	8	4	22.22
QPSK	1851.5	18615	3	8	7	21.96
QPSK	1851.5	18615	3	15	0	22.05
QPSK	1880	18900	3	1	0	23.15
QPSK	1880	18900	3	1	8	23.06
QPSK	1880	18900	3	1	14	23.02
QPSK	1880	18900	3	8	0	21.96
QPSK	1880	18900	3	8	4	21.95
QPSK	1880	18900	3	8	7	22.04
QPSK	1880	18900	3	15	0	21.86
QPSK	1908.5	19185	3	1	0	22.91
QPSK	1908.5	19185	3	1	8	22.87
QPSK	1908.5	19185	3	1	14	22.83
QPSK	1908.5	19185	3	8	0	21.88
QPSK	1908.5	19185	3	8	4	21.86
QPSK	1908.5	19185	3	8	7	21.79
QPSK	1908.5	19185	3	15	0	21.90

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1851.5	18615	3	1	0	22.97
16QAM	1851.5	18615	3	1	8	22.43
16QAM	1851.5	18615	3	1	14	22.21
16QAM	1851.5	18615	3	8	0	21.30
16QAM	1851.5	18615	3	8	4	21.34
16QAM	1851.5	18615	3	8	7	21.11
16QAM	1851.5	18615	3	15	0	21.27
16QAM	1880	18900	3	1	0	21.83
16QAM	1880	18900	3	1	8	21.94
16QAM	1880	18900	3	1	14	22.01
16QAM	1880	18900	3	8	0	21.11
16QAM	1880	18900	3	8	4	21.02
16QAM	1880	18900	3	8	7	21.16
16QAM	1880	18900	3	15	0	21.09
16QAM	1908.5	19185	3	1	0	22.49
16QAM	1908.5	19185	3	1	8	22.36
16QAM	1908.5	19185	3	1	14	22.25
16QAM	1908.5	19185	3	8	0	21.11
16QAM	1908.5	19185	3	8	4	21.05
16QAM	1908.5	19185	3	8	7	21.10
16QAM	1908.5	19185	3	15	0	20.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.11
QPSK	1852.5	18625	5	1	12	23.06
QPSK	1852.5	18625	5	1	24	23.10
QPSK	1852.5	18625	5	12	0	22.22
QPSK	1852.5	18625	5	12	7	21.88
QPSK	1852.5	18625	5	12	13	21.94
QPSK	1852.5	18625	5	25	0	21.98
QPSK	1880	18900	5	1	0	22.87
QPSK	1880	18900	5	1	12	23.06
QPSK	1880	18900	5	1	24	23.03
QPSK	1880	18900	5	12	0	22.10
QPSK	1880	18900	5	12	7	21.90
QPSK	1880	18900	5	12	13	22.00
QPSK	1880	18900	5	25	0	21.79
QPSK	1907.5	19175	5	1	0	23.09
QPSK	1907.5	19175	5	1	12	23.24
QPSK	1907.5	19175	5	1	24	23.05
QPSK	1907.5	19175	5	12	0	21.95
QPSK	1907.5	19175	5	12	7	21.88
QPSK	1907.5	19175	5	12	13	21.79
QPSK	1907.5	19175	5	25	0	21.83

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1852.5	18625	5	1	0	22.22
16QAM	1852.5	18625	5	1	12	22.27
16QAM	1852.5	18625	5	1	24	22.11
16QAM	1852.5	18625	5	12	0	21.00
16QAM	1852.5	18625	5	12	7	21.17
16QAM	1852.5	18625	5	12	13	21.18
16QAM	1852.5	18625	5	25	0	21.31
16QAM	1880	18900	5	1	0	22.85
16QAM	1880	18900	5	1	12	22.42
16QAM	1880	18900	5	1	24	22.29
16QAM	1880	18900	5	12	0	21.19
16QAM	1880	18900	5	12	7	21.20
16QAM	1880	18900	5	12	13	21.05
16QAM	1880	18900	5	25	0	21.04
16QAM	1907.5	19175	5	1	0	22.51
16QAM	1907.5	19175	5	1	12	22.87
16QAM	1907.5	19175	5	1	24	22.25
16QAM	1907.5	19175	5	12	0	21.07
16QAM	1907.5	19175	5	12	7	21.03
16QAM	1907.5	19175	5	12	13	21.06
16QAM	1907.5	19175	5	25	0	21.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	23.43
QPSK	1855	18650	10	1	25	23.29
QPSK	1855	18650	10	1	49	23.32
QPSK	1855	18650	10	25	0	22.21
QPSK	1855	18650	10	25	12	22.09
QPSK	1855	18650	10	25	25	22.34
QPSK	1855	18650	10	50	0	22.17
QPSK	1880	18900	10	1	0	23.31
QPSK	1880	18900	10	1	25	23.16
QPSK	1880	18900	10	1	49	23.18
QPSK	1880	18900	10	25	0	21.98
QPSK	1880	18900	10	25	12	22.00
QPSK	1880	18900	10	25	25	21.93
QPSK	1880	18900	10	50	0	21.87
QPSK	1905	19150	10	1	0	22.76
QPSK	1905	19150	10	1	25	22.84
QPSK	1905	19150	10	1	49	22.91
QPSK	1905	19150	10	25	0	21.81
QPSK	1905	19150	10	25	12	21.93
QPSK	1905	19150	10	25	25	21.91
QPSK	1905	19150	10	50	0	21.80

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1855	18650	10	1	0	22.76
16QAM	1855	18650	10	1	25	22.48
16QAM	1855	18650	10	1	49	22.21
16QAM	1855	18650	10	25	0	21.40
16QAM	1855	18650	10	25	12	21.26
16QAM	1855	18650	10	25	25	21.49
16QAM	1855	18650	10	50	0	21.14
16QAM	1880	18900	10	1	0	22.52
16QAM	1880	18900	10	1	25	22.11
16QAM	1880	18900	10	1	49	22.28
16QAM	1880	18900	10	25	0	21.33
16QAM	1880	18900	10	25	12	21.25
16QAM	1880	18900	10	25	25	21.28
16QAM	1880	18900	10	50	0	21.04
16QAM	1905	19150	10	1	0	22.98
16QAM	1905	19150	10	1	25	22.22
16QAM	1905	19150	10	1	49	22.16
16QAM	1905	19150	10	25	0	20.88
16QAM	1905	19150	10	25	12	20.88
16QAM	1905	19150	10	25	25	21.00
16QAM	1905	19150	10	50	0	20.89

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.21
QPSK	1857.5	18675	15	1	37	23.03
QPSK	1857.5	18675	15	1	74	23.13
QPSK	1857.5	18675	15	36	0	21.97
QPSK	1857.5	18675	15	36	29	22.28
QPSK	1857.5	18675	15	36	30	21.95
QPSK	1857.5	18675	15	75	0	21.89
QPSK	1880	18900	15	1	0	23.09
QPSK	1880	18900	15	1	37	23.05
QPSK	1880	18900	15	1	74	22.89
QPSK	1880	18900	15	36	0	21.88
QPSK	1880	18900	15	36	29	22.02
QPSK	1880	18900	15	36	30	21.94
QPSK	1880	18900	15	75	0	22.04
QPSK	1902.5	19125	15	1	0	22.90
QPSK	1902.5	19125	15	1	37	22.80
QPSK	1902.5	19125	15	1	74	22.98
QPSK	1902.5	19125	15	36	0	21.76
QPSK	1902.5	19125	15	36	29	21.93
QPSK	1902.5	19125	15	36	30	21.91
QPSK	1902.5	19125	15	75	0	21.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1857.5	18675	15	1	0	22.63
16QAM	1857.5	18675	15	1	37	22.38
16QAM	1857.5	18675	15	1	74	22.86
16QAM	1857.5	18675	15	36	0	21.28
16QAM	1857.5	18675	15	36	29	21.33
16QAM	1857.5	18675	15	36	30	21.22
16QAM	1857.5	18675	15	75	0	21.14
16QAM	1880	18900	15	1	0	22.47
16QAM	1880	18900	15	1	37	22.48
16QAM	1880	18900	15	1	74	22.58
16QAM	1880	18900	15	36	0	21.05
16QAM	1880	18900	15	36	29	20.94
16QAM	1880	18900	15	36	30	20.99
16QAM	1880	18900	15	75	0	21.15
16QAM	1902.5	19125	15	1	0	22.46
16QAM	1902.5	19125	15	1	37	22.78
16QAM	1902.5	19125	15	1	74	22.24
16QAM	1902.5	19125	15	36	0	20.90
16QAM	1902.5	19125	15	36	29	20.91
16QAM	1902.5	19125	15	36	30	20.86
16QAM	1902.5	19125	15	75	0	21.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	23.19
QPSK	1860	18700	20	1	49	22.97
QPSK	1860	18700	20	1	99	23.00
QPSK	1860	18700	20	50	0	21.95
QPSK	1860	18700	20	50	24	21.95
QPSK	1860	18700	20	50	50	22.16
QPSK	1860	18700	20	100	0	22.14
QPSK	1880	18900	20	1	0	22.95
QPSK	1880	18900	20	1	49	23.10
QPSK	1880	18900	20	1	99	23.13
QPSK	1880	18900	20	50	0	22.13
QPSK	1880	18900	20	50	24	22.03
QPSK	1880	18900	20	50	50	21.90
QPSK	1880	18900	20	100	0	22.16
QPSK	1900	19100	20	1	0	22.89
QPSK	1900	19100	20	1	49	22.92
QPSK	1900	19100	20	1	99	22.93
QPSK	1900	19100	20	50	0	22.06
QPSK	1900	19100	20	50	24	21.98
QPSK	1900	19100	20	50	50	21.87
QPSK	1900	19100	20	100	0	21.81

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1860	18700	20	1	0	22.51
16QAM	1860	18700	20	1	49	22.11
16QAM	1860	18700	20	1	99	22.45
16QAM	1860	18700	20	50	0	21.19
16QAM	1860	18700	20	50	24	21.06
16QAM	1860	18700	20	50	50	21.07
16QAM	1860	18700	20	100	0	21.18
16QAM	1880	18900	20	1	0	21.65
16QAM	1880	18900	20	1	49	22.04
16QAM	1880	18900	20	1	99	21.70
16QAM	1880	18900	20	50	0	21.09
16QAM	1880	18900	20	50	24	21.18
16QAM	1880	18900	20	50	50	21.10
16QAM	1880	18900	20	100	0	20.94
16QAM	1900	19100	20	1	0	22.47
16QAM	1900	19100	20	1	49	22.64
16QAM	1900	19100	20	1	99	22.69
16QAM	1900	19100	20	50	0	20.93
16QAM	1900	19100	20	50	24	21.02
16QAM	1900	19100	20	50	50	20.88
16QAM	1900	19100	20	100	0	21.10

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
2	QPSK	1850.7	18607	1.4	6	0	1.079	Fig.1
2	QPSK	1880	18900	1.4	6	0	1.074	Fig.2
2	QPSK	1909.3	19193	1.4	6	0	1.076	Fig.3
2	QPSK	1851.5	18615	3	15	0	2.677	Fig.4
2	QPSK	1880	18900	3	15	0	2.669	Fig.5
2	QPSK	1908.5	19185	3	15	0	2.669	Fig.6
2	QPSK	1852.5	18625	5	25	0	4.452	Fig.7
2	QPSK	1880	18900	5	25	0	4.456	Fig.8
2	QPSK	1907.5	19175	5	25	0	4.478	Fig.9
2	QPSK	1855	18650	10	50	0	8.923	Fig.10
2	QPSK	1880	18900	10	50	0	8.908	Fig.11
2	QPSK	1905	19150	10	50	0	8.917	Fig.12
2	QPSK	1857.5	18675	15	75	0	13.342	Fig.13
2	QPSK	1880	18900	15	75	0	13.380	Fig.14
2	QPSK	1902.5	19125	15	75	0	13.380	Fig.15
2	QPSK	1860	18700	20	100	0	17.806	Fig.16
2	QPSK	1880	18900	20	100	0	17.848	Fig.17
2	QPSK	1900	19100	20	100	0	17.816	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
2	16QAM	1850.7	18607	1.4	6	0	1.074	Fig.19
2	16QAM	1880	18900	1.4	6	0	1.078	Fig.20
2	16QAM	1909.3	19193	1.4	6	0	1.077	Fig.21
2	16QAM	1851.5	18615	3	15	0	2.678	Fig.22
2	16QAM	1880	18900	3	15	0	2.679	Fig.23
2	16QAM	1908.5	19185	3	15	0	2.678	Fig.24
2	16QAM	1852.5	18625	5	25	0	4.471	Fig.25
2	16QAM	1880	18900	5	25	0	4.463	Fig.26
2	16QAM	1907.5	19175	5	25	0	4.464	Fig.27
2	16QAM	1855	18650	10	50	0	8.911	Fig.28
2	16QAM	1880	18900	10	50	0	8.915	Fig.29
2	16QAM	1905	19150	10	50	0	8.903	Fig.30
2	16QAM	1857.5	18675	15	75	0	13.364	Fig.31
2	16QAM	1880	18900	15	75	0	13.354	Fig.32
2	16QAM	1902.5	19125	15	75	0	13.348	Fig.33
2	16QAM	1860	18700	20	100	0	17.829	Fig.34
2	16QAM	1880	18900	20	100	0	17.829	Fig.35
2	16QAM	1900	19100	20	100	0	17.840	Fig.36

Test Mode: QPSK

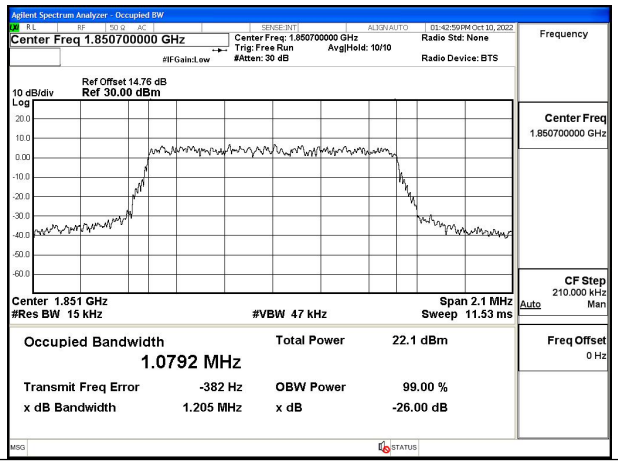


Fig.1

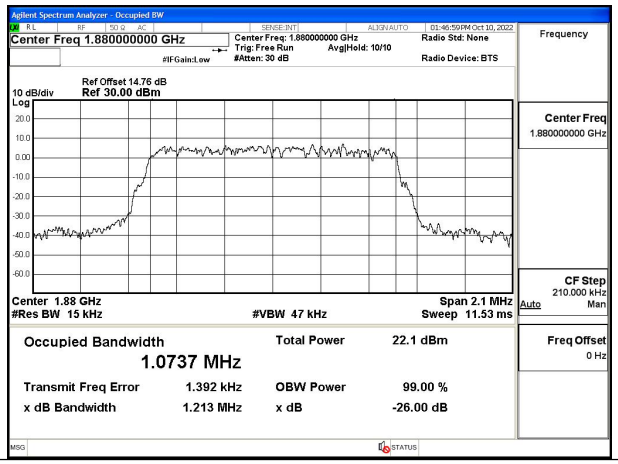


Fig.2

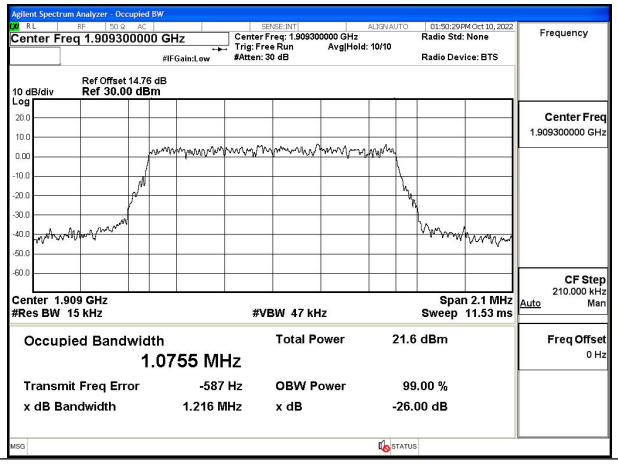


Fig.3

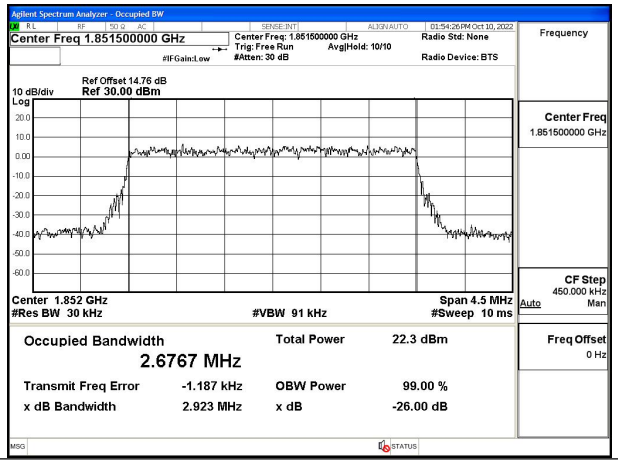


Fig.4

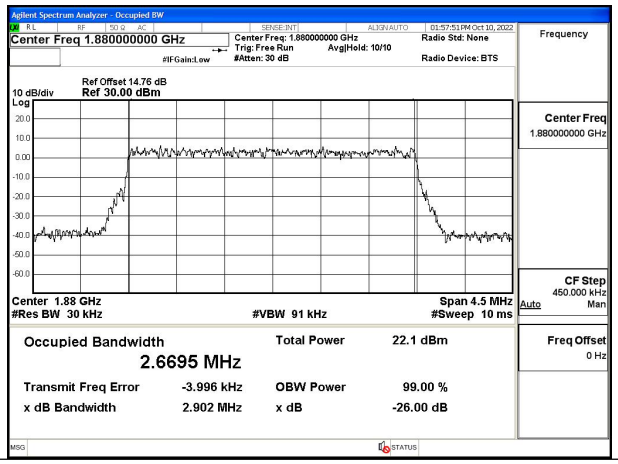


Fig.5

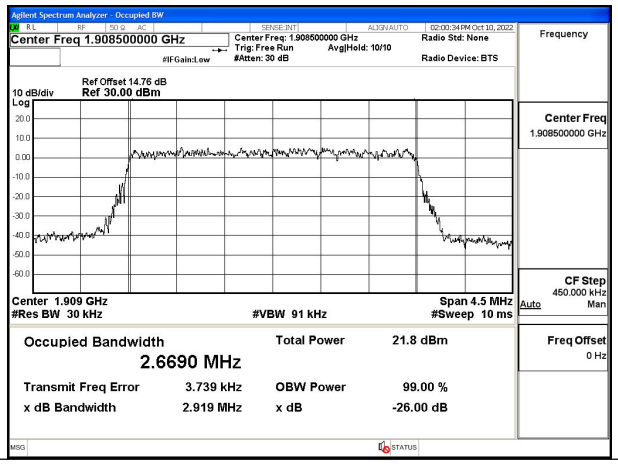


Fig.6

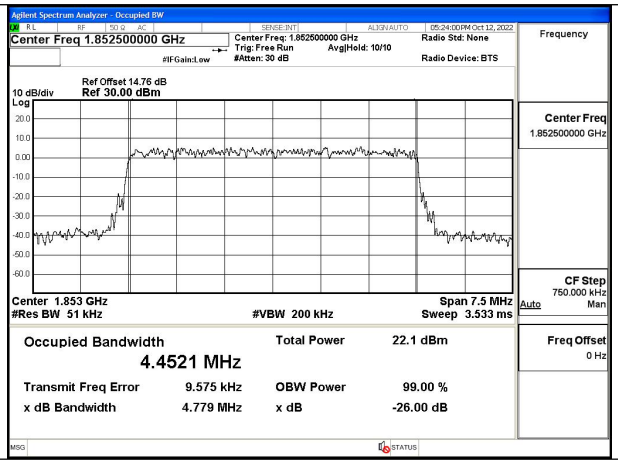
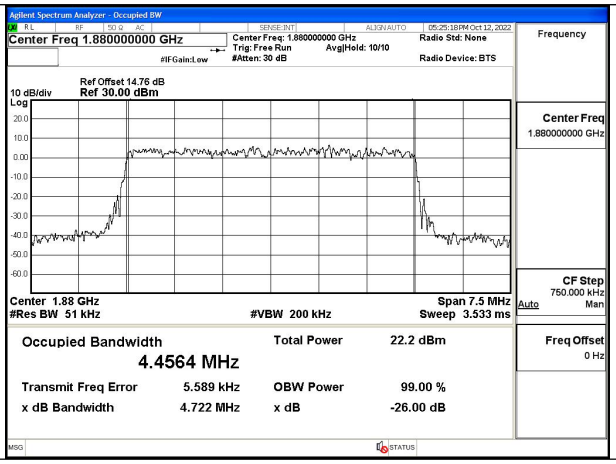


Fig.7



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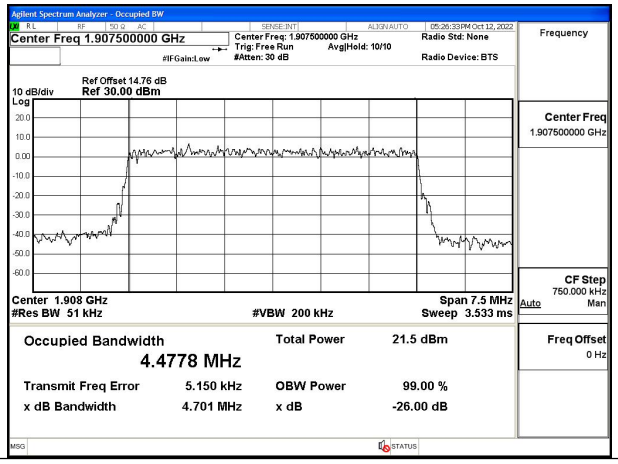

Fig.9

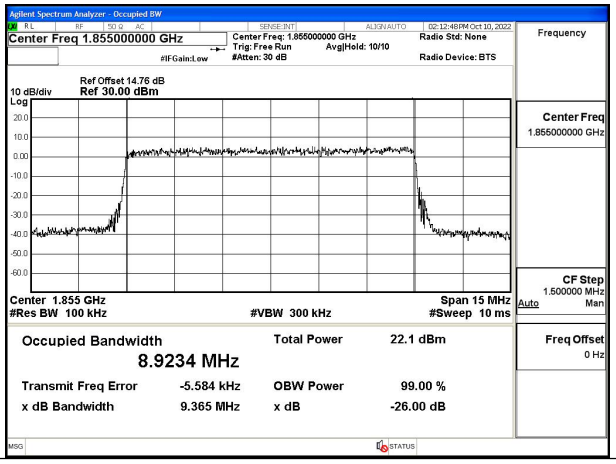

Fig.10

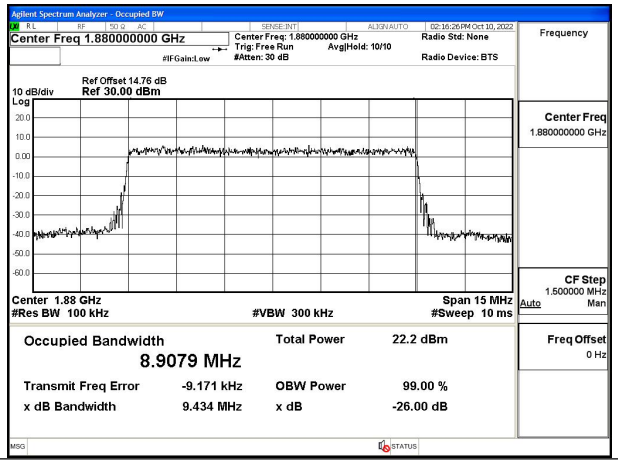

Fig.11

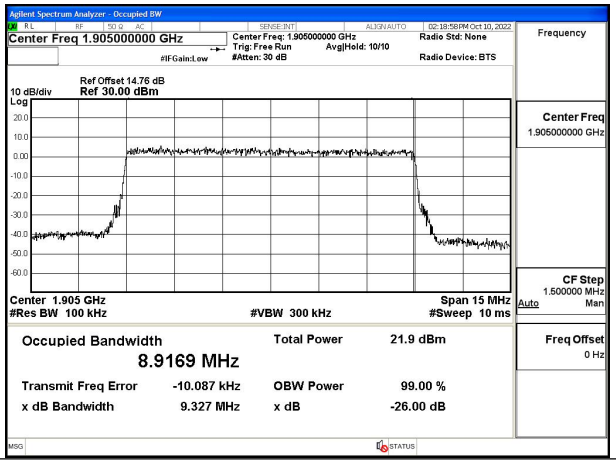

Fig.12

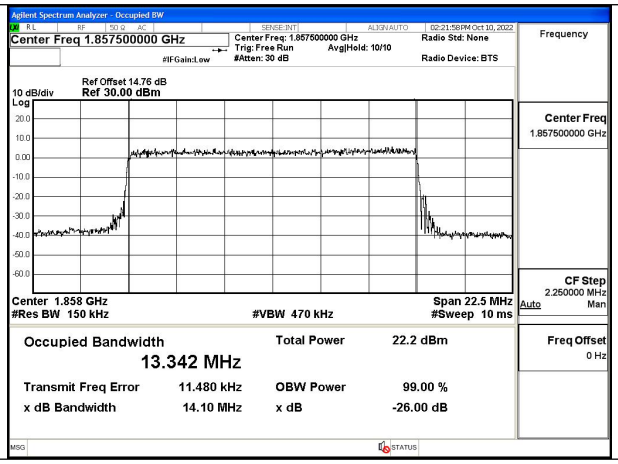

Fig.13

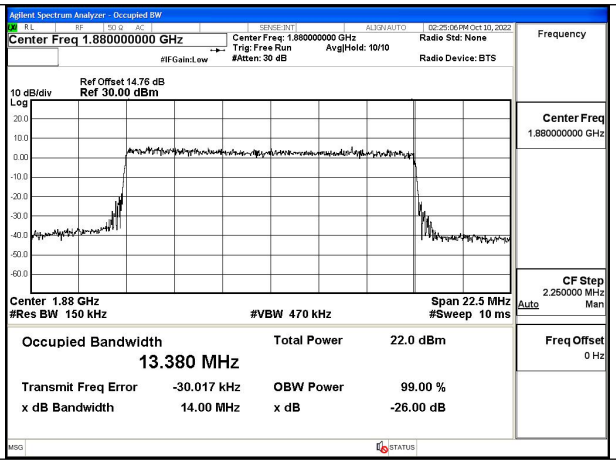

Fig.14

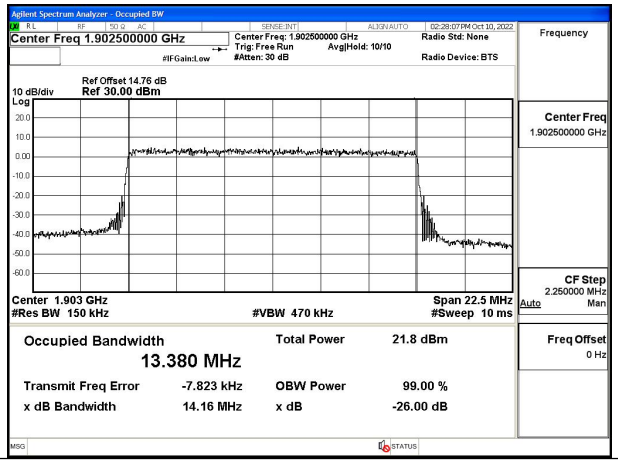

Fig.15

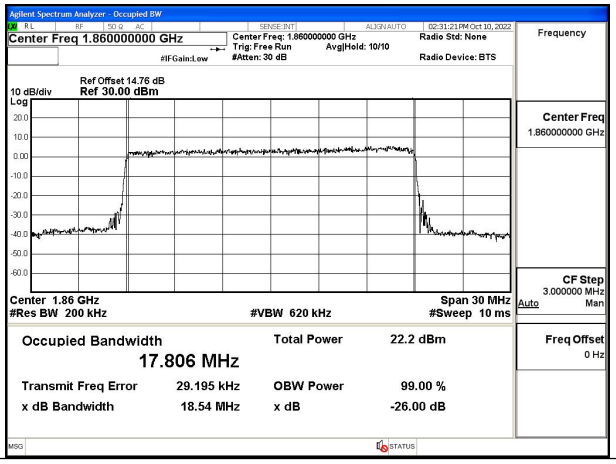

Fig.16

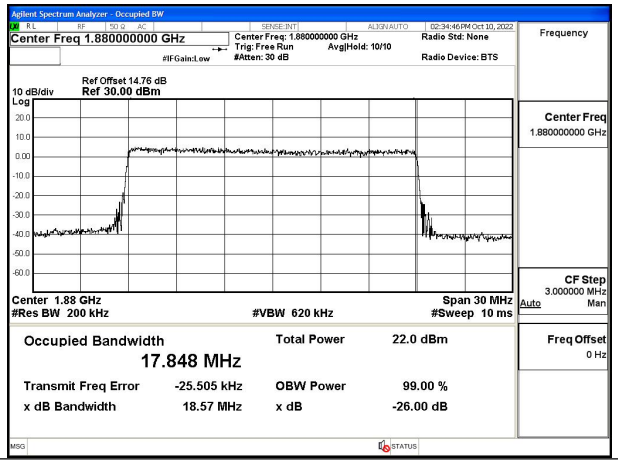

Fig.17

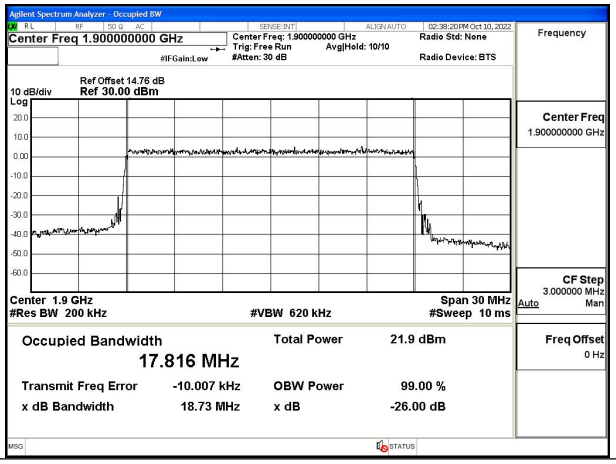

Fig.18

Test Mode: 16QAM

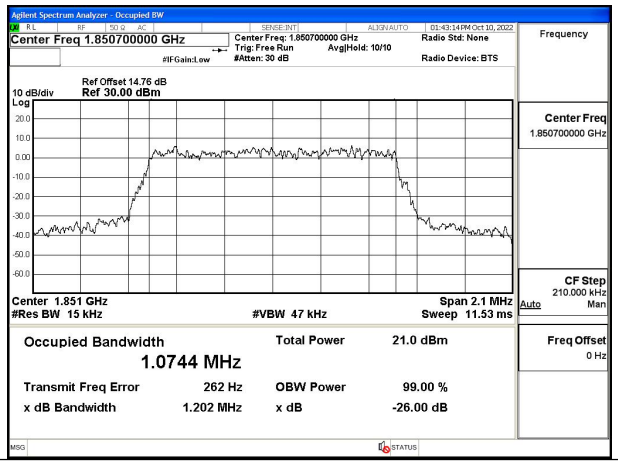

Fig.19

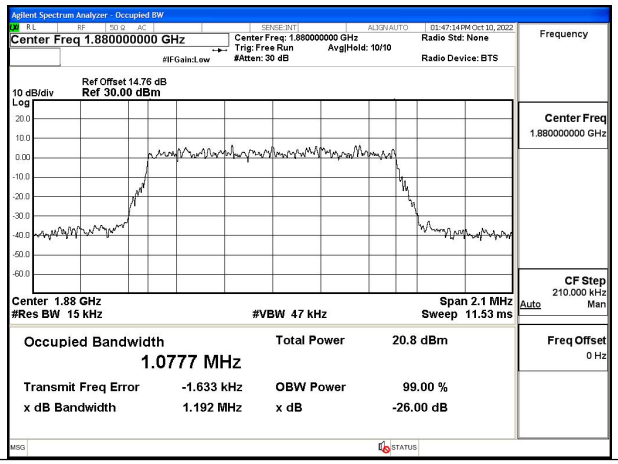

Fig.20

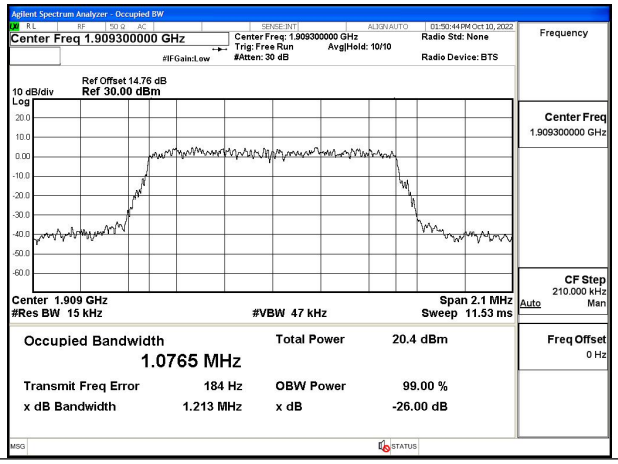

Fig.21

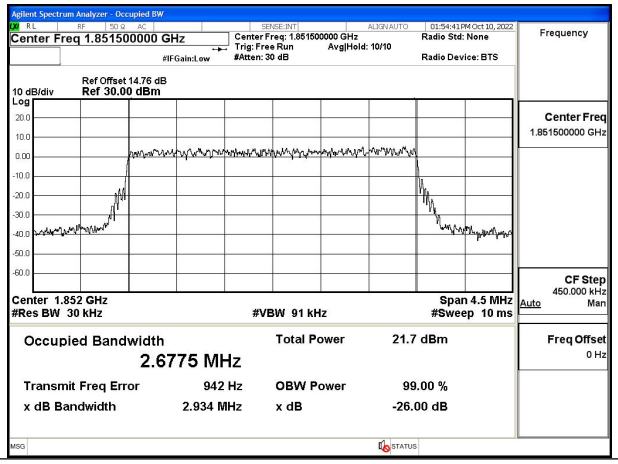

Fig.22

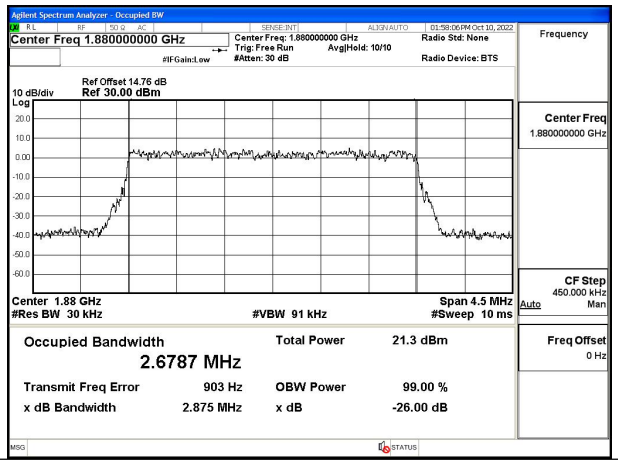

Fig.23

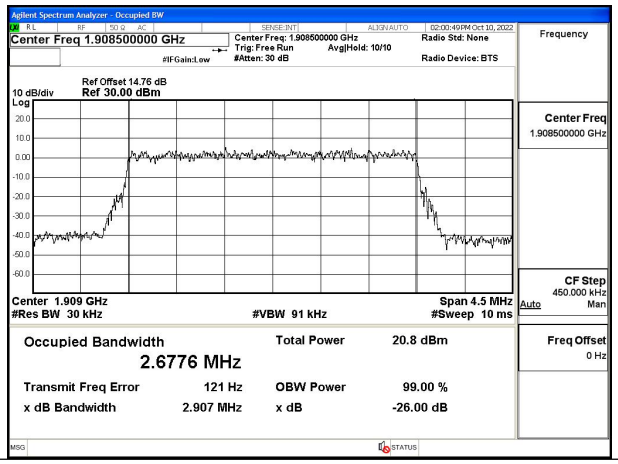

Fig.24

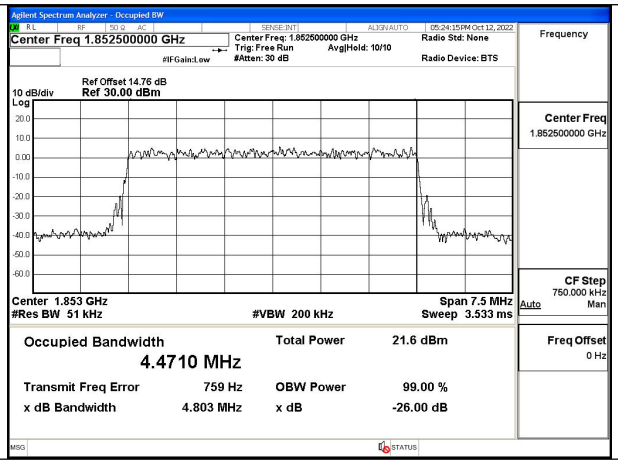

Fig.25

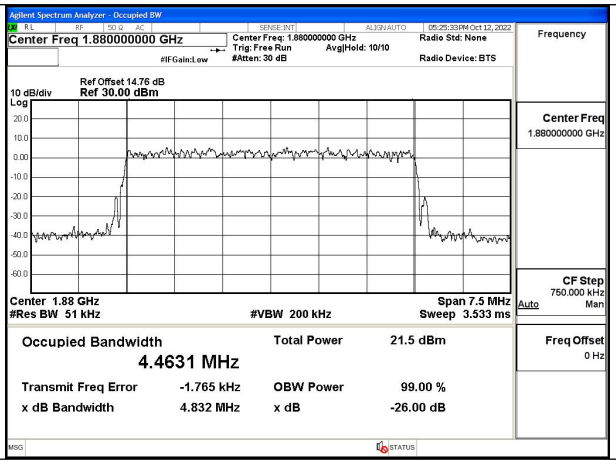

Fig.26

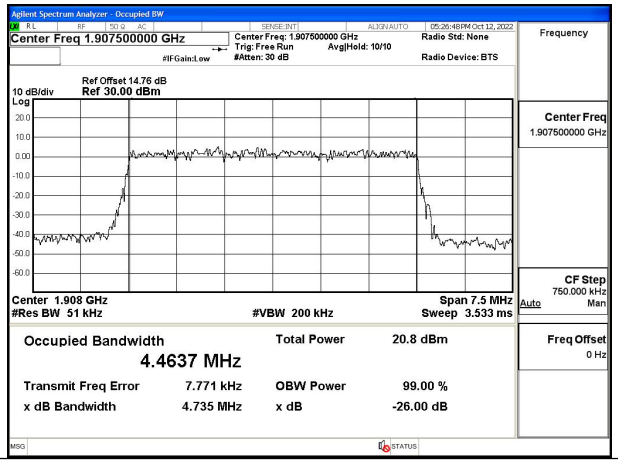

Fig.27

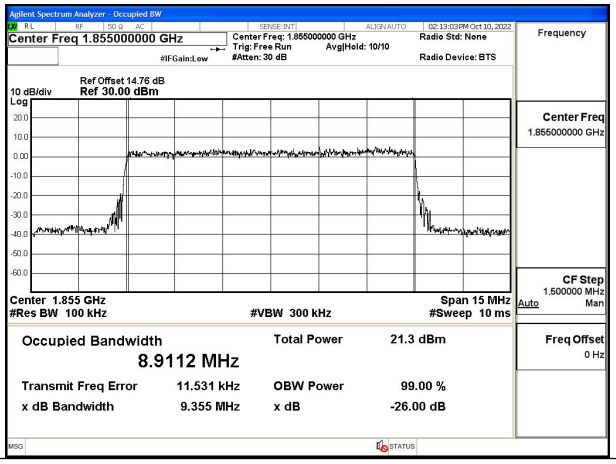

Fig.28

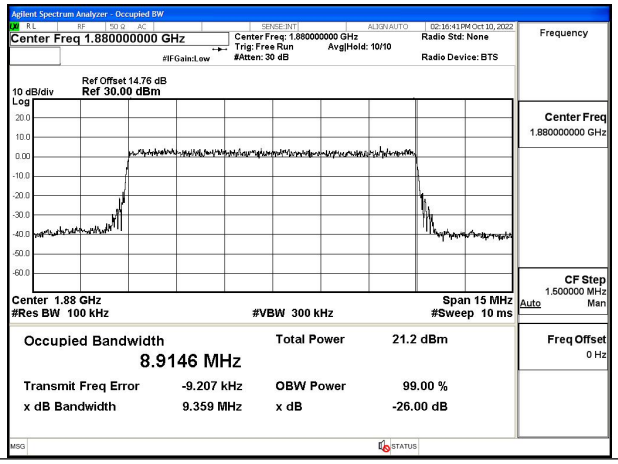

Fig.29

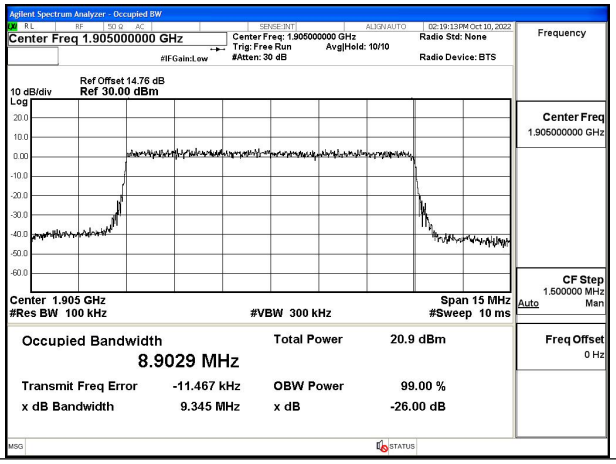

Fig.30

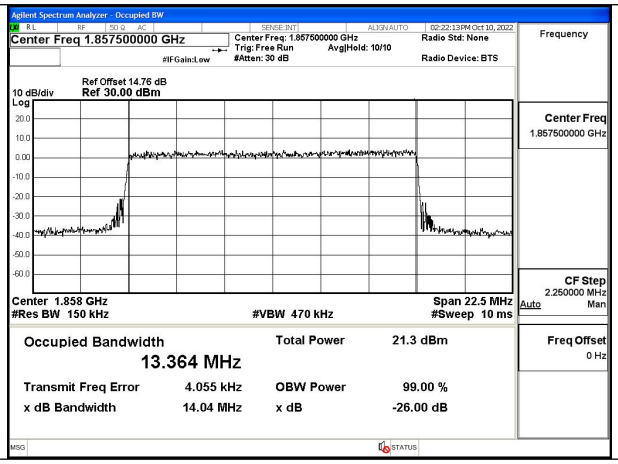

Fig.31

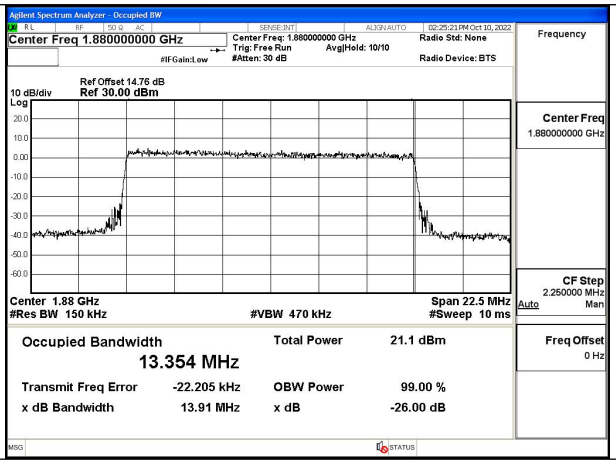

Fig.32

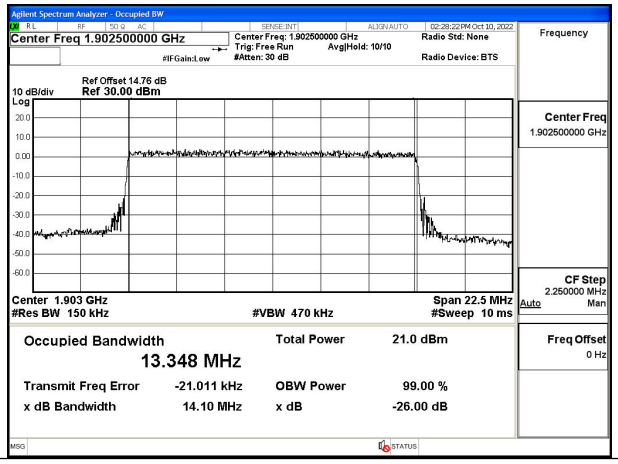

Fig.33

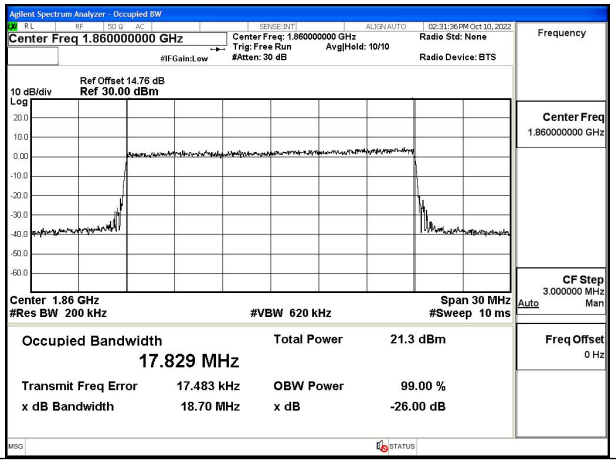

Fig.34

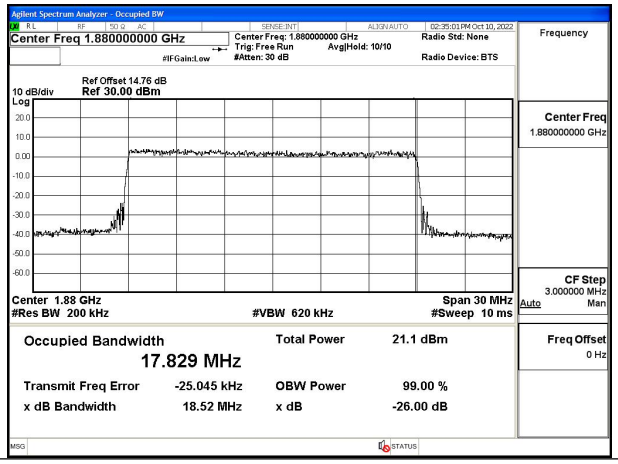

Fig.35

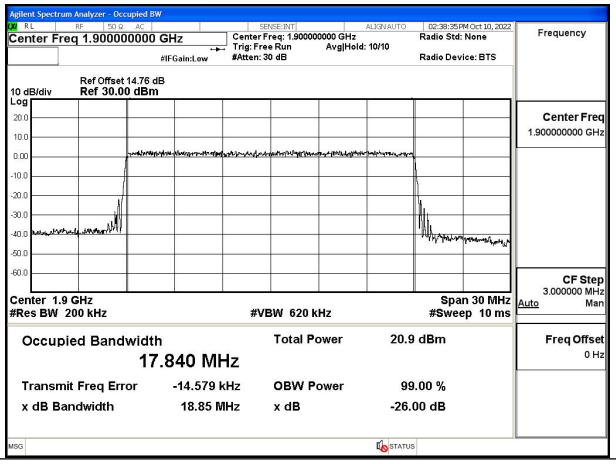

Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
2	QPSK	1850.7	18607	1.4	6	0	1.205	Fig.1
2	QPSK	1880	18900	1.4	6	0	1.213	Fig.2
2	QPSK	1909.3	19193	1.4	6	0	1.216	Fig.3
2	QPSK	1851.5	18615	3	15	0	2.923	Fig.4
2	QPSK	1880	18900	3	15	0	2.902	Fig.5
2	QPSK	1908.5	19185	3	15	0	2.919	Fig.6
2	QPSK	1852.5	18625	5	25	0	4.779	Fig.7
2	QPSK	1880	18900	5	25	0	4.722	Fig.8
2	QPSK	1907.5	19175	5	25	0	4.701	Fig.9
2	QPSK	1855	18650	10	50	0	9.365	Fig.10
2	QPSK	1880	18900	10	50	0	9.434	Fig.11
2	QPSK	1905	19150	10	50	0	9.327	Fig.12
2	QPSK	1857.5	18675	15	75	0	14.102	Fig.13
2	QPSK	1880	18900	15	75	0	14.004	Fig.14
2	QPSK	1902.5	19125	15	75	0	14.162	Fig.15
2	QPSK	1860	18700	20	100	0	18.541	Fig.16
2	QPSK	1880	18900	20	100	0	18.575	Fig.17
2	QPSK	1900	19100	20	100	0	18.729	Fig.18

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
2	16QAM	1850.7	18607	1.4	6	0	1.202	Fig.19
2	16QAM	1880	18900	1.4	6	0	1.192	Fig.20
2	16QAM	1909.3	19193	1.4	6	0	1.213	Fig.21
2	16QAM	1851.5	18615	3	15	0	2.934	Fig.22
2	16QAM	1880	18900	3	15	0	2.875	Fig.23
2	16QAM	1908.5	19185	3	15	0	2.907	Fig.24
2	16QAM	1852.5	18625	5	25	0	4.803	Fig.25
2	16QAM	1880	18900	5	25	0	4.832	Fig.26
2	16QAM	1907.5	19175	5	25	0	4.735	Fig.27
2	16QAM	1855	18650	10	50	0	9.355	Fig.28
2	16QAM	1880	18900	10	50	0	9.359	Fig.29
2	16QAM	1905	19150	10	50	0	9.345	Fig.30
2	16QAM	1857.5	18675	15	75	0	14.042	Fig.31
2	16QAM	1880	18900	15	75	0	13.910	Fig.32
2	16QAM	1902.5	19125	15	75	0	14.095	Fig.33
2	16QAM	1860	18700	20	100	0	18.703	Fig.34
2	16QAM	1880	18900	20	100	0	18.517	Fig.35
2	16QAM	1900	19100	20	100	0	18.852	Fig.36

Test Mode: QPSK

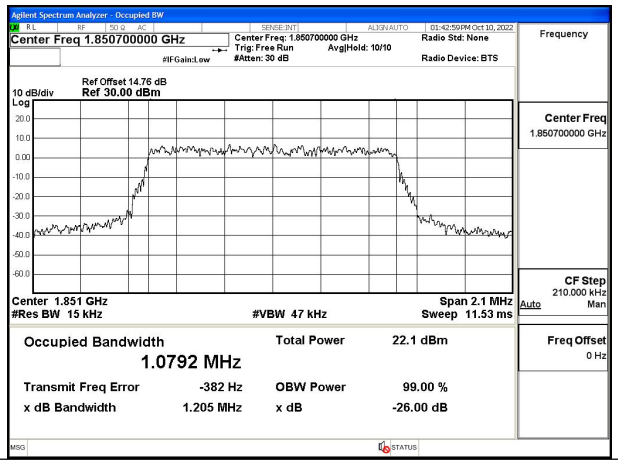

Fig.1

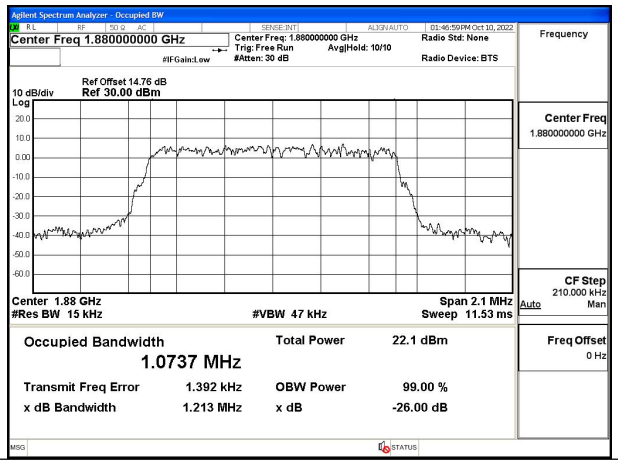

Fig.2

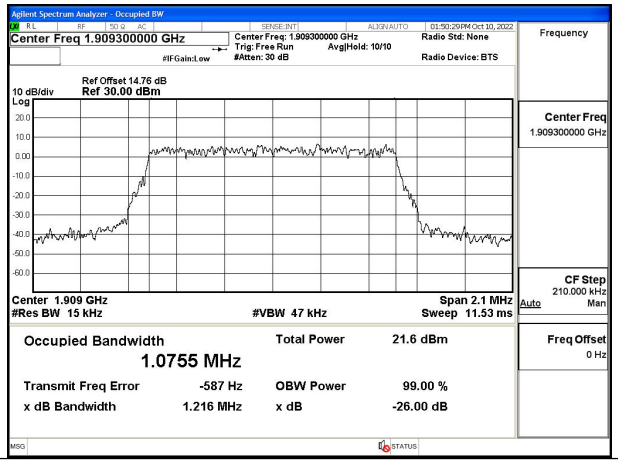

Fig.3

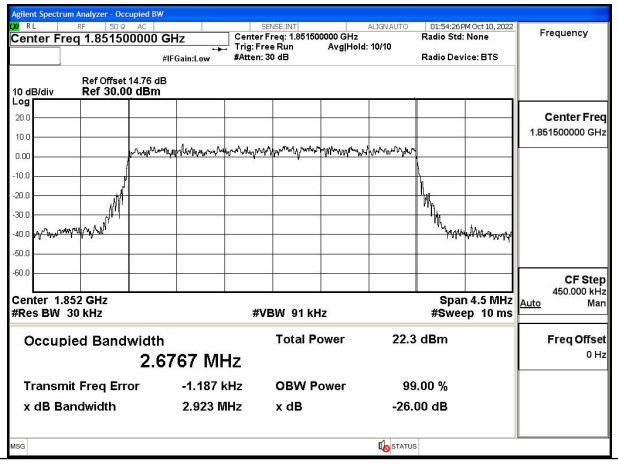

Fig.4

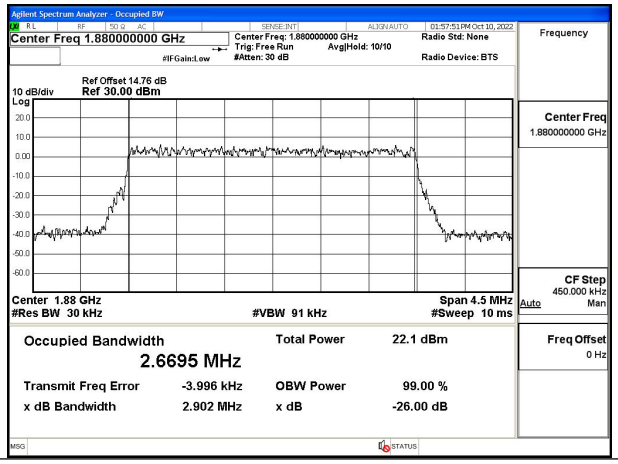

Fig.5

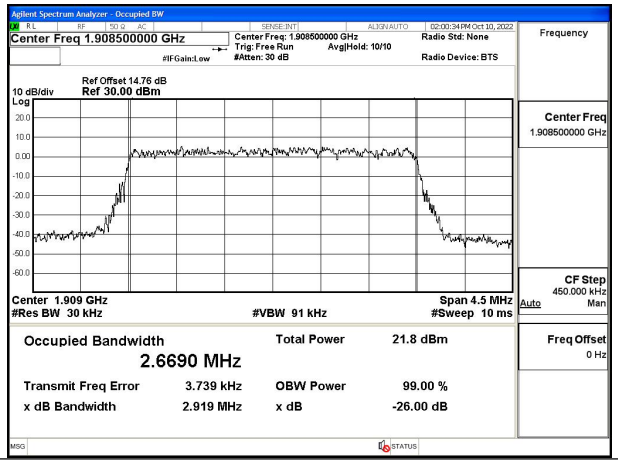

Fig.6