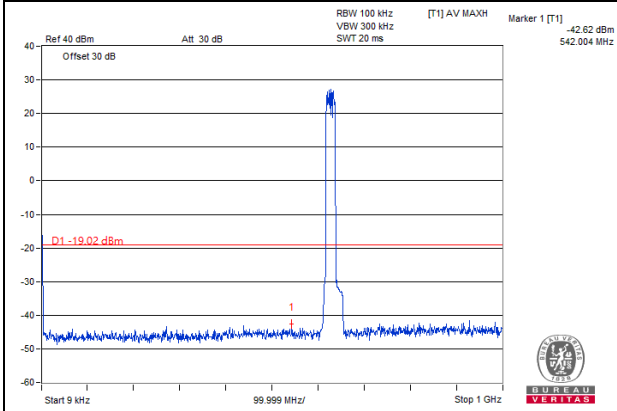


20MHz-ANT3

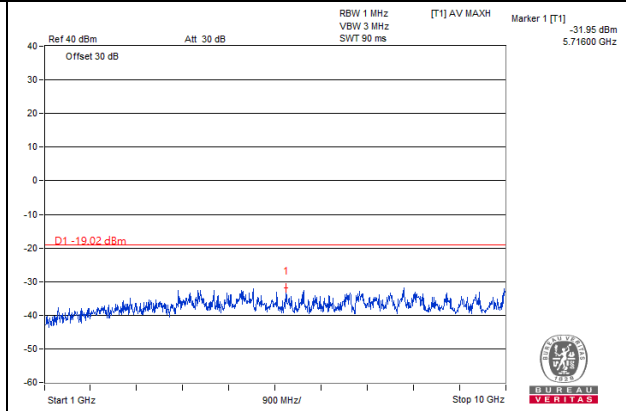
QPSK

Ch 125400 (627.0MHz)

Frequency Range : 9kHz~1GHz

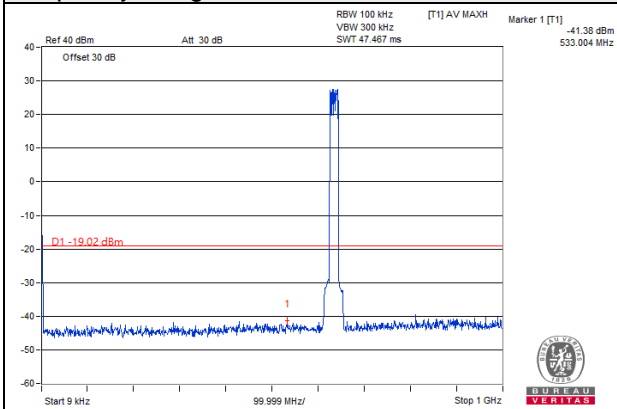


Frequency Range : 1GHz~10GHz

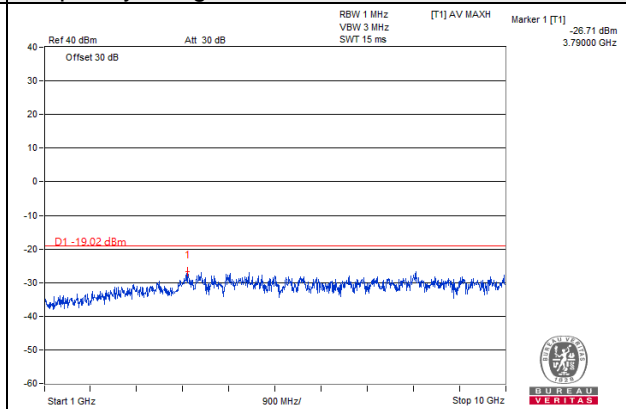


Ch 126900 (634.5MHz)

Frequency Range : 9kHz~1GHz

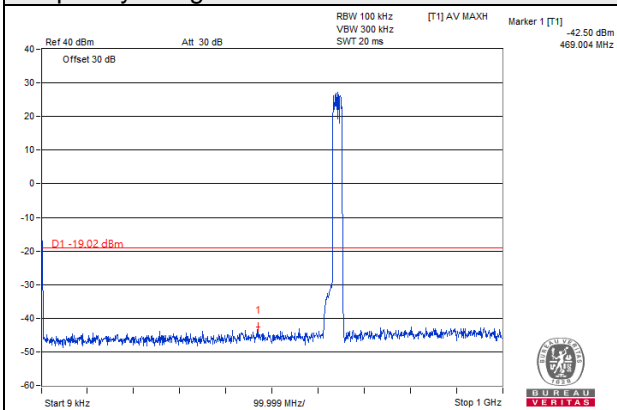


Frequency Range : 1GHz~10GHz

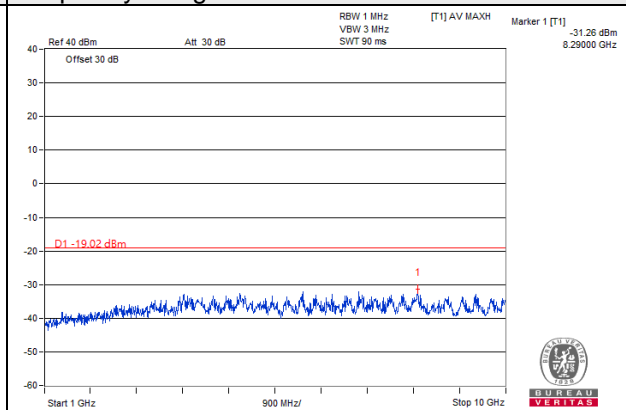


Ch 128400 (642.0MHz)

Frequency Range : 9kHz~1GHz

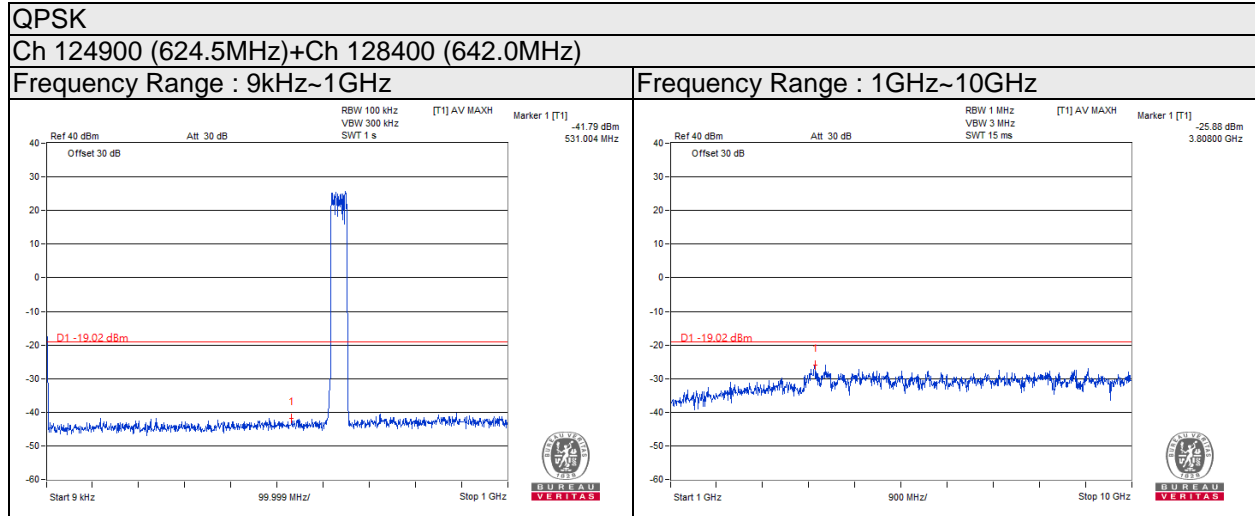


Frequency Range : 1GHz~10GHz



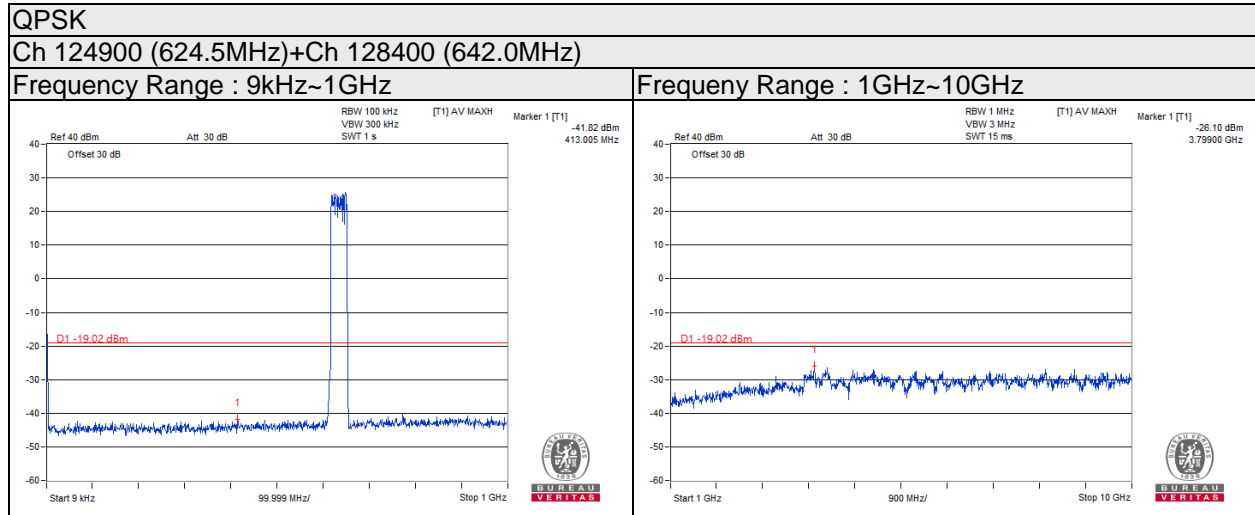
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

CA Contiguous
15MHz+20MHz-ANT0



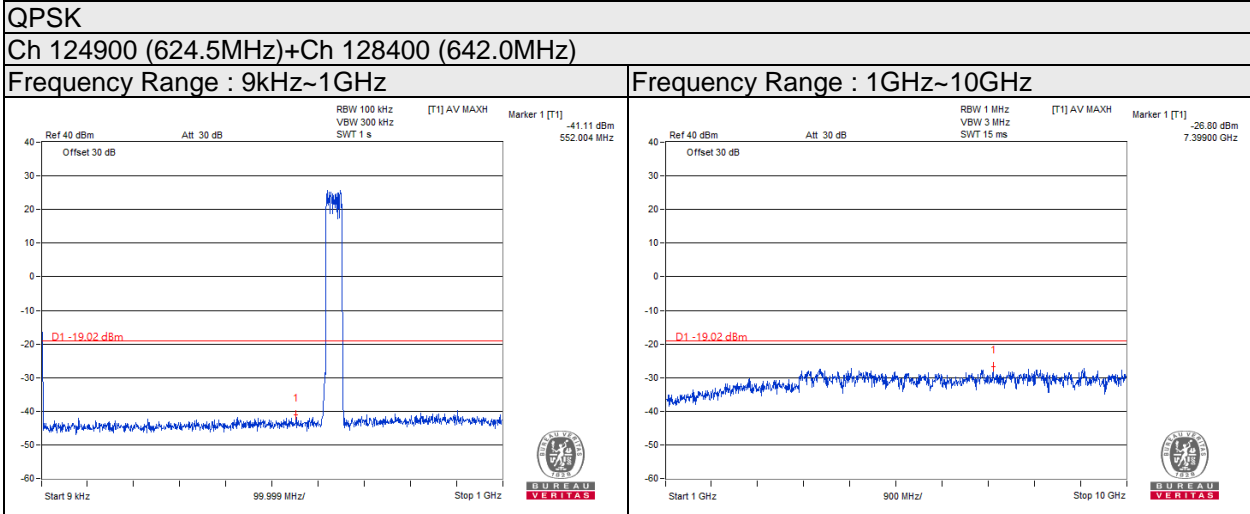
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

15MHz+20MHz-ANT1



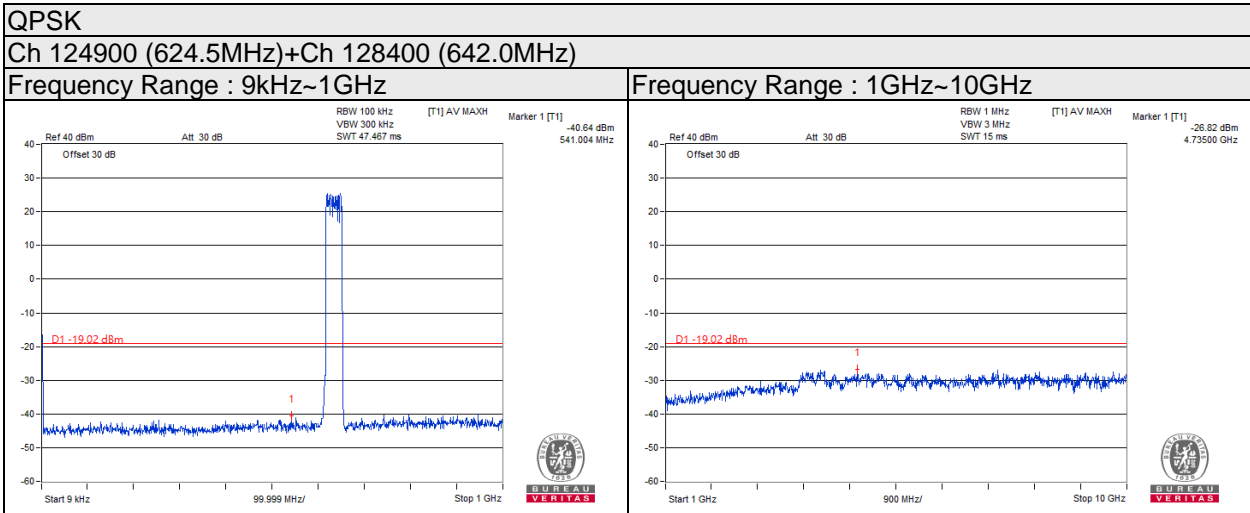
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

15MHz+20MHz-ANT2



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

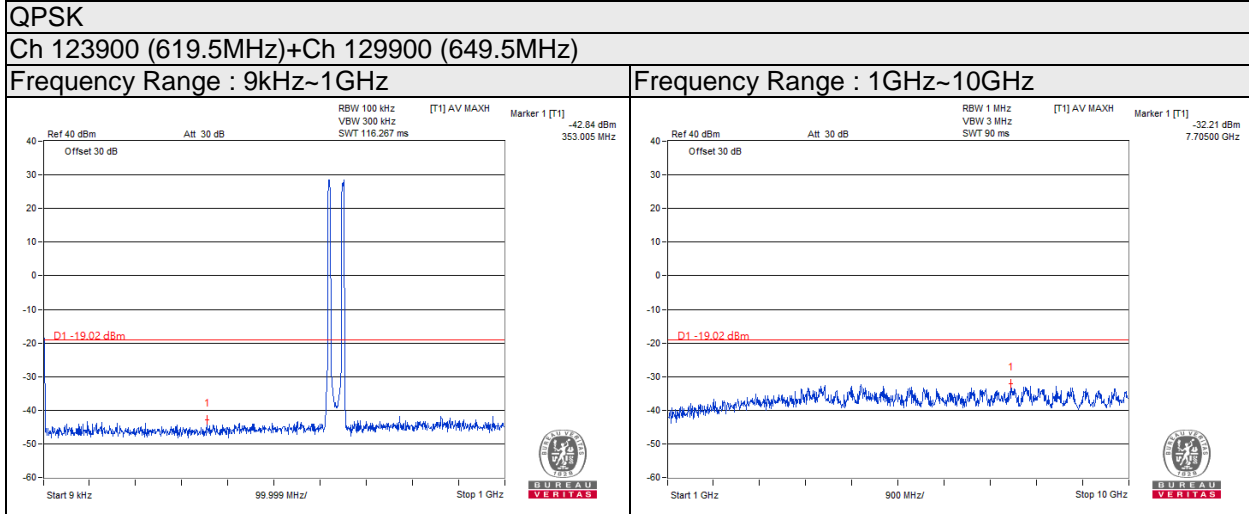
15MHz+20MHz-ANT3



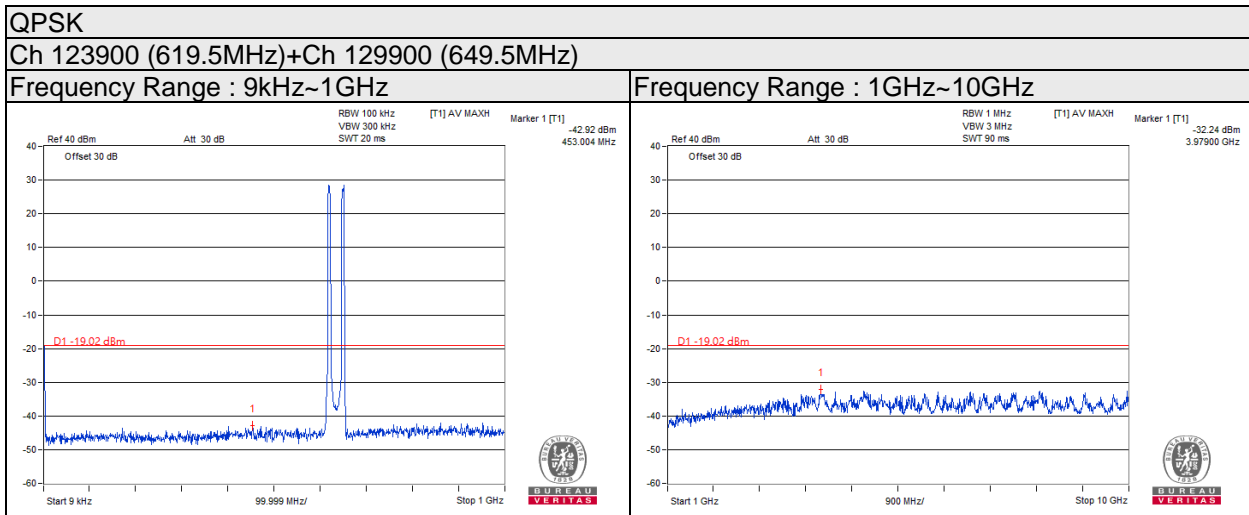
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

CA-NC Non-Contiguous

5MHz+5MHz-ANT0

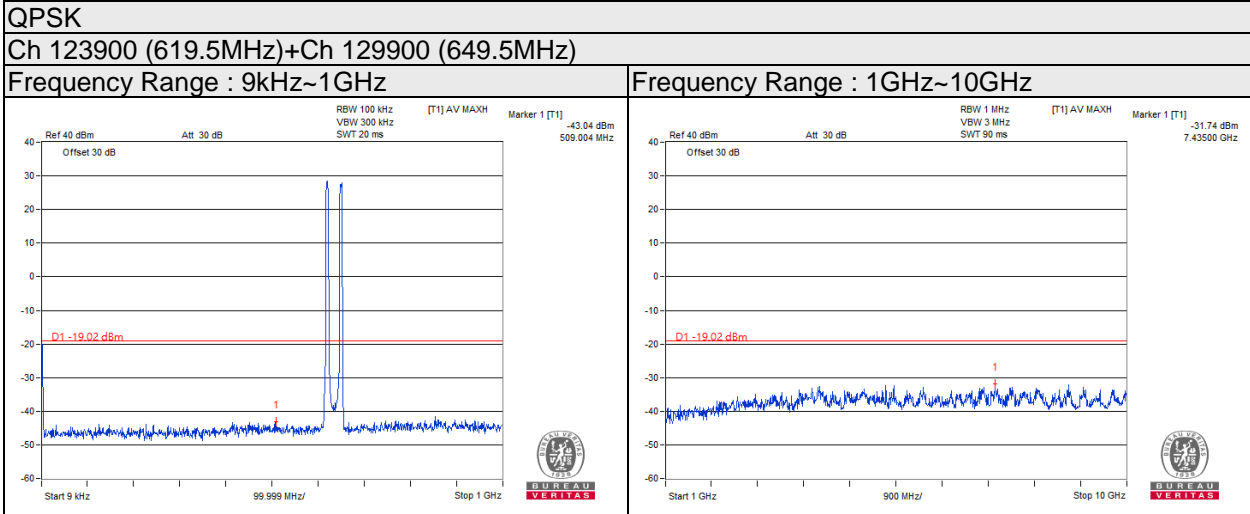


5MHz+5MHz-ANT1

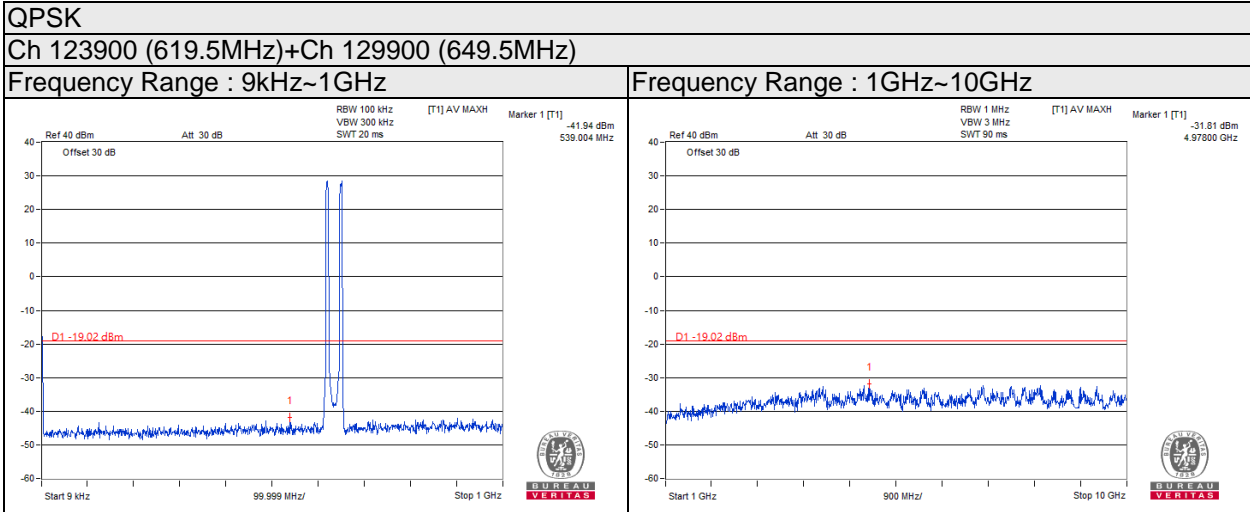


Note: The signal at 9 kHz is IF signal from spectrum analyzer.

5MHz+5MHz -ANT2



5MHz+5MHz -ANT3



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

According to FCC 27.53(g) for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

4.8.2 Test Procedure

- a. The field strength was measured with Spectrum Analyzer.
- b. Measurement in the semi-anechoic chamber, EUT placed on the 0.8m/1.5m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor.
- c. Perform a field strength measurement and then mathematically convert the measured field strength level to EIRP level.
- d. Follow ANSI C63.26 section 5.2.7 (d)

$$E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$$

$$\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8; \text{ where D is the measurement distance (in the far field region) in m.}$$

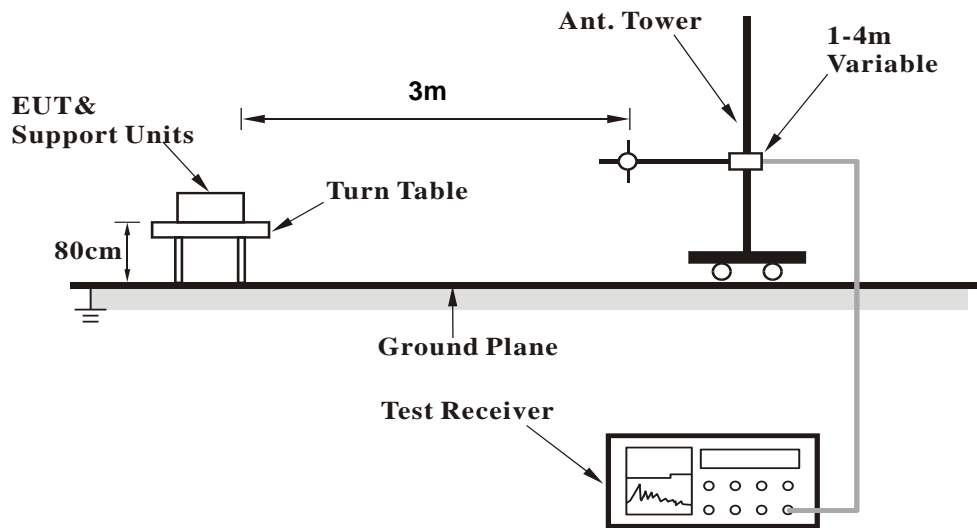
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.8.3 Deviation from Test Standard

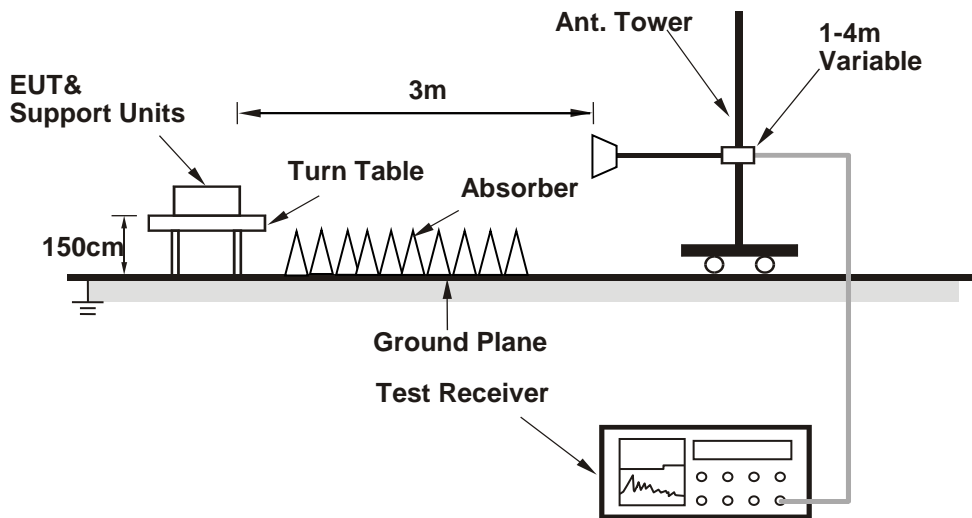
No deviation.

4.8.4 Test Setup

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.8.5 Test Results

Band n29
Single Carrier

Below 1GHz

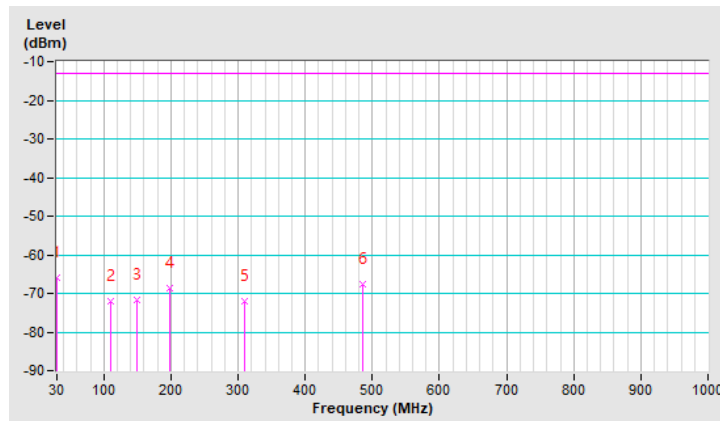
5MHz

Test Frequency	Ch 143900 (719.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.74	-66.02	-13.00	-53.02	2.00 H	19	38.62	-104.64
2	109.57	-72.19	-13.00	-59.19	1.50 H	63	34.11	-106.30
3	149.45	-71.73	-13.00	-58.73	2.00 H	257	31.59	-103.32
4	197.32	-68.53	-13.00	-55.53	1.50 H	39	37.88	-106.41
5	310.38	-71.91	-13.00	-58.91	1.50 H	275	30.59	-102.50
6	485.63	-67.66	-13.00	-54.66	1.50 H	224	30.75	-98.41

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

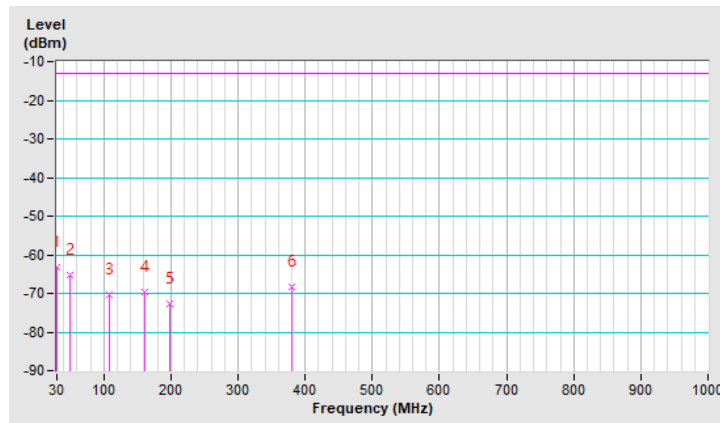


Test Frequency	Ch 143900 (719.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.87	-63.08	-13.00	-50.08	1.00 V	124	41.60	-104.68
2	48.72	-65.28	-13.00	-52.28	1.00 V	241	38.18	-103.46
3	107.47	-70.34	-13.00	-57.34	1.50 V	356	36.18	-106.52
4	161.60	-69.71	-13.00	-56.71	1.00 V	42	33.94	-103.65
5	198.57	-72.85	-13.00	-59.85	1.00 V	279	33.60	-106.45
6	380.15	-68.41	-13.00	-55.41	1.00 V	298	32.77	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

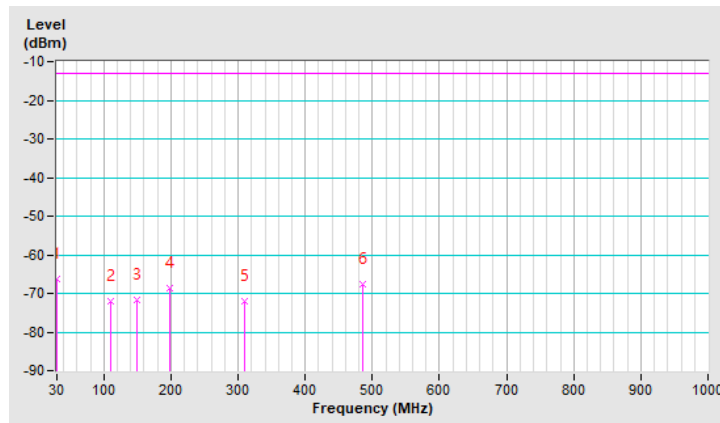


Test Frequency	Ch 144500 (722.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.81	-66.12	-13.00	-53.12	2.00 H	24	38.54	-104.66
2	109.50	-72.11	-13.00	-59.11	1.50 H	51	34.20	-106.31
3	149.37	-71.63	-13.00	-58.63	2.00 H	265	31.70	-103.33
4	197.42	-68.66	-13.00	-55.66	1.50 H	42	37.75	-106.41
5	310.48	-71.98	-13.00	-58.98	1.50 H	289	30.52	-102.50
6	485.71	-67.75	-13.00	-54.75	1.50 H	189	30.66	-98.41

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

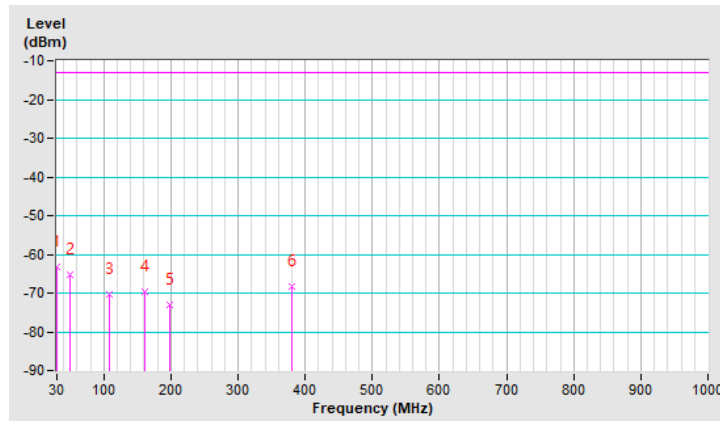


Test Frequency	Ch 144500 (722.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.81	-63.16	-13.00	-50.16	1.00 V	106	41.50	-104.66
2	48.63	-65.35	-13.00	-52.35	1.00 V	224	38.10	-103.45
3	107.39	-70.40	-13.00	-57.40	1.50 V	346	36.13	-106.53
4	161.55	-69.75	-13.00	-56.75	1.00 V	38	33.89	-103.64
5	198.52	-72.93	-13.00	-59.93	1.00 V	264	33.52	-106.45
6	380.09	-68.47	-13.00	-55.47	1.00 V	276	32.71	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

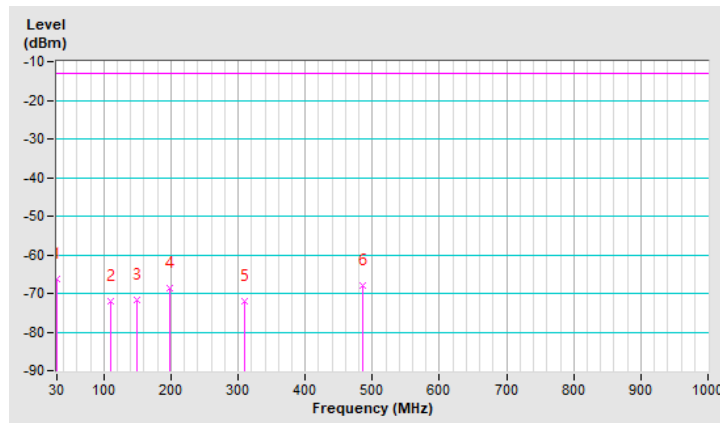


Test Frequency	Ch 145100 (725.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.87	-66.21	-13.00	-53.21	2.00 H	37	38.47	-104.68
2	109.57	-72.18	-13.00	-59.18	1.50 H	58	34.12	-106.30
3	149.46	-71.72	-13.00	-58.72	2.00 H	246	31.60	-103.32
4	197.53	-68.76	-13.00	-55.76	1.50 H	24	37.65	-106.41
5	310.55	-72.05	-13.00	-59.05	1.50 H	331	30.44	-102.49
6	485.78	-67.84	-13.00	-54.84	1.50 H	163	30.57	-98.41

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

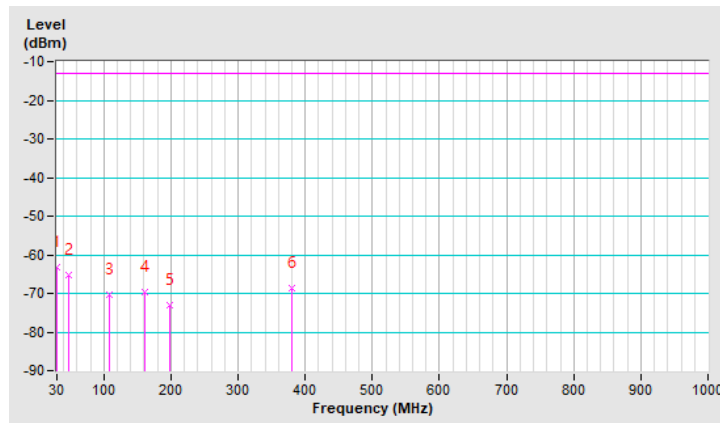


Test Frequency	Ch 145100 (725.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.74	-63.22	-13.00	-50.22	1.00 V	93	41.42	-104.64
2	48.57	-65.42	-13.00	-52.42	1.00 V	211	38.02	-103.44
3	107.33	-70.47	-13.00	-57.47	1.50 V	352	36.07	-106.54
4	161.49	-69.80	-13.00	-56.80	1.00 V	43	33.84	-103.64
5	198.46	-72.99	-13.00	-59.99	1.00 V	247	33.45	-106.44
6	380.03	-68.51	-13.00	-55.51	1.00 V	253	32.67	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$



10MHz

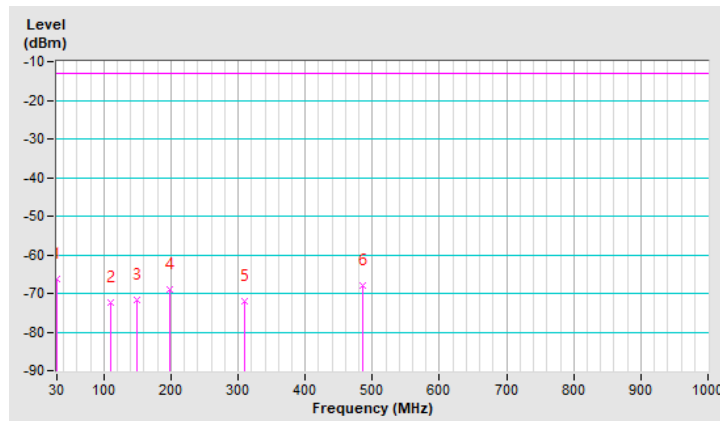
Test Frequency	Ch 144400 (722 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.93	-66.28	-13.00	-53.28	2.00 H	26	38.42	-104.70
2	109.63	-72.25	-13.00	-59.25	1.50 H	47	34.05	-106.30
3	149.53	-71.79	-13.00	-58.79	2.00 H	225	31.52	-103.31
4	197.62	-68.83	-13.00	-55.83	1.50 H	35	37.58	-106.41
5	310.63	-72.12	-13.00	-59.12	1.50 H	299	30.37	-102.49
6	485.84	-67.91	-13.00	-54.91	1.50 H	155	30.50	-98.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

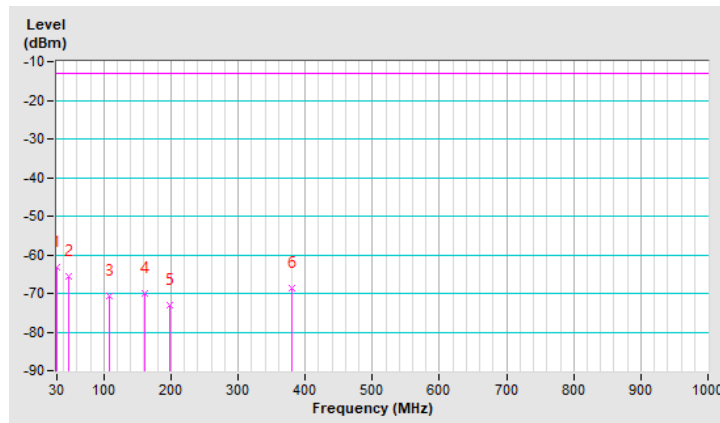


Test Frequency	Ch 144400 (722 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.64	-63.28	-13.00	-50.28	1.00 V	78	41.32	-104.60
2	48.51	-65.49	-13.00	-52.49	1.00 V	186	37.95	-103.44
3	107.26	-70.54	-13.00	-57.54	1.50 V	347	36.02	-106.56
4	161.41	-69.86	-13.00	-56.86	1.00 V	56	33.77	-103.63
5	198.39	-73.06	-13.00	-60.06	1.00 V	234	33.38	-106.44
6	379.96	-68.57	-13.00	-55.57	1.00 V	265	32.61	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

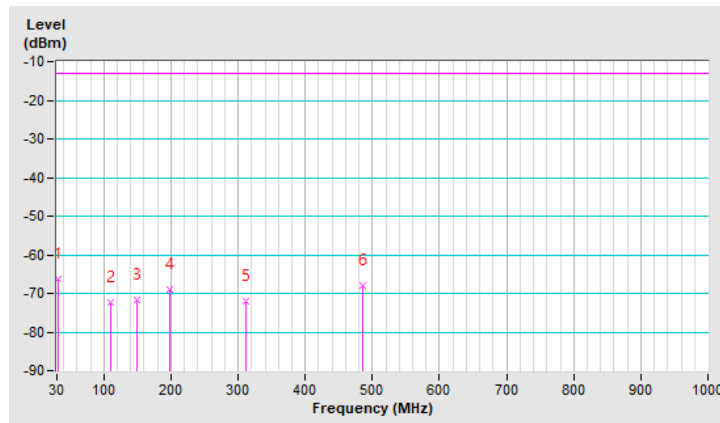


Test Frequency	Ch 144500 (722.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.00	-66.33	-13.00	-53.33	2.00 H	32	38.40	-104.73
2	109.72	-72.33	-13.00	-59.33	1.50 H	63	33.96	-106.29
3	149.58	-71.85	-13.00	-58.85	2.00 H	197	31.45	-103.30
4	197.67	-68.88	-13.00	-55.88	1.50 H	29	37.53	-106.41
5	310.69	-72.17	-13.00	-59.17	1.50 H	313	30.32	-102.49
6	485.91	-67.95	-13.00	-54.95	1.50 H	142	30.46	-98.41

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

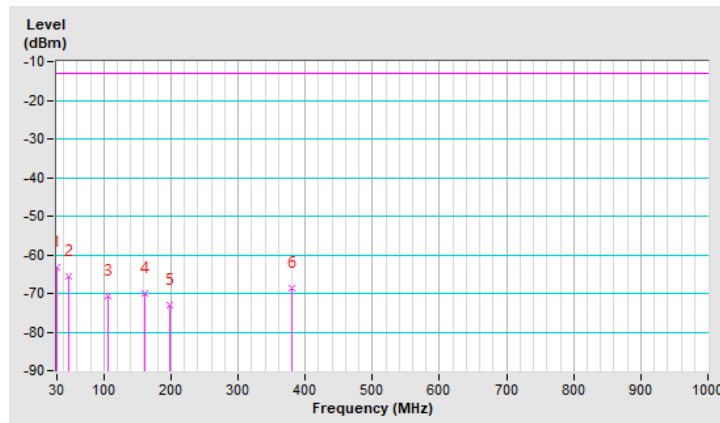


Test Frequency	Ch 144500 (722.5 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.58	-63.34	-13.00	-50.34	1.00 V	68	41.24	-104.58
2	48.45	-65.55	-13.00	-52.55	1.00 V	197	37.88	-103.43
3	107.18	-70.61	-13.00	-57.61	1.50 V	335	35.96	-106.57
4	161.34	-69.92	-13.00	-56.92	1.00 V	49	33.71	-103.63
5	198.31	-73.13	-13.00	-60.13	1.00 V	224	33.31	-106.44
6	379.89	-68.62	-13.00	-55.62	1.00 V	249	32.56	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

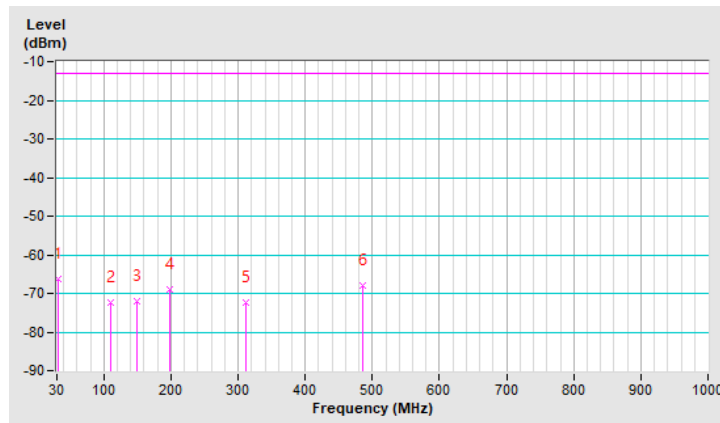


Test Frequency	Ch 144600 (723 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.05	-66.42	-13.00	-53.42	2.00 H	41	38.32	-104.74
2	109.76	-72.39	-13.00	-59.39	1.50 H	75	33.90	-106.29
3	149.63	-71.92	-13.00	-58.92	2.00 H	221	31.38	-103.30
4	197.73	-68.93	-13.00	-55.93	1.50 H	35	37.48	-106.41
5	310.76	-72.24	-13.00	-59.24	1.50 H	299	30.25	-102.49
6	485.98	-68.02	-13.00	-55.02	1.50 H	135	30.39	-98.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

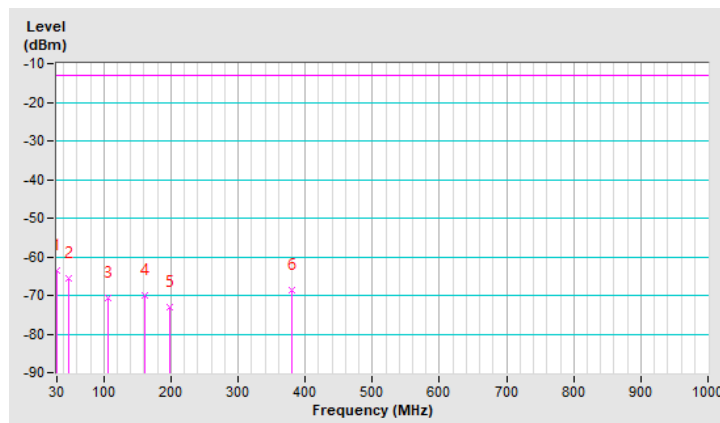


Test Frequency	Ch 144600 (723 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.51	-63.41	-13.00	-50.41	1.00 V	57	41.14	-104.55
2	48.38	-65.61	-13.00	-52.61	1.00 V	178	37.81	-103.42
3	107.12	-70.67	-13.00	-57.67	1.50 V	314	35.92	-106.59
4	161.24	-70.02	-13.00	-57.02	1.00 V	29	33.60	-103.62
5	198.24	-73.21	-13.00	-60.21	1.00 V	234	33.22	-106.43
6	379.82	-68.68	-13.00	-55.68	1.00 V	277	32.50	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$



CA-NC Non-Contiguous

5MHz+5MHz

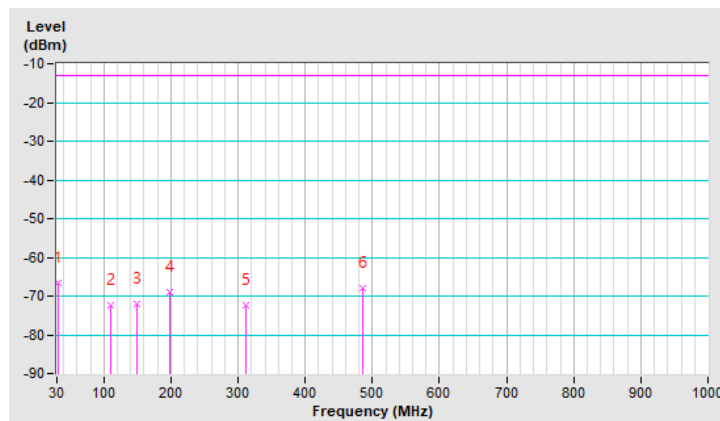
Test Frequency	Ch 143900 (719.5MHz)+ Ch 145100 (725.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.12	-66.51	-13.00	-53.51	2.00 H	36	38.23	-104.74
2	109.83	-72.45	-13.00	-59.45	1.50 H	63	33.83	-106.28
3	149.69	-71.97	-13.00	-58.97	2.00 H	197	31.32	-103.29
4	197.79	-69.03	-13.00	-56.03	1.50 H	29	37.39	-106.42
5	310.83	-72.31	-13.00	-59.31	1.50 H	287	30.17	-102.48
6	486.03	-68.10	-13.00	-55.10	1.50 H	126	30.31	-98.41

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

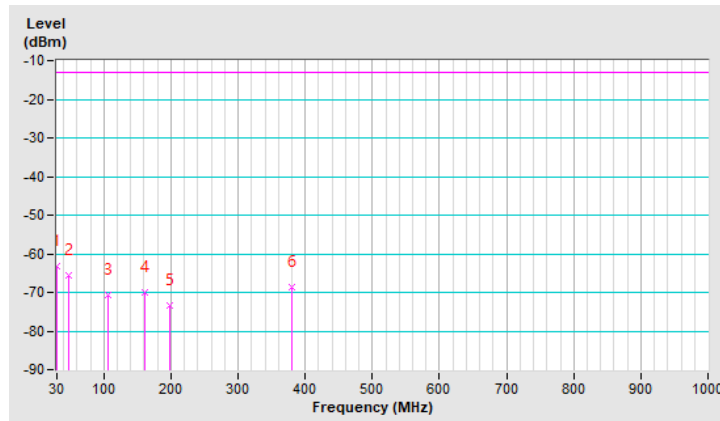


Test Frequency	Ch 143900 (719.5MHz)+ Ch 145100 (725.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
MH	30.57	-63.34	-13.00	-50.34	1.00 V	43	41.24	-104.58
2	48.45	-65.68	-13.00	-52.68	1.00 V	154	37.75	-103.43
3	107.02	-70.78	-13.00	-57.78	1.50 V	297	35.83	-106.61
4	161.17	-70.07	-13.00	-57.07	1.00 V	46	33.55	-103.62
5	198.19	-73.26	-13.00	-60.26	1.00 V	245	33.17	-106.43
6	379.75	-68.75	-13.00	-55.75	1.00 V	311	32.43	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$



Above 1GHz
Single Carrier
5MHz

Test Frequency	Ch 143900 (719.5 MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1439.00	-64.83	-13.00	-51.83	1.50 H	127	34.18	-99.01
2	1798.75	-61.18	-13.00	-48.18	1.50 H	232	37.71	-98.89
3	2158.50	-62.87	-13.00	-49.87	2.00 H	34	33.09	-95.96
4	2518.25	-64.27	-13.00	-51.27	1.50 H	14	31.92	-96.19

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1439.00	-63.57	-13.00	-50.57	1.50 V	124	35.44	-99.01
2	1798.75	-63.17	-13.00	-50.17	1.50 V	359	35.72	-98.89
3	2158.50	-63.49	-13.00	-50.49	1.50 V	274	32.47	-95.96
4	2518.25	-62.73	-13.00	-49.73	1.50 V	76	33.46	-96.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

Test Frequency	Ch 144500 (722.5 MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1445.00	-63.06	-13.00	-50.06	1.50 H	114	35.96	-99.02
2	1806.25	-63.12	-13.00	-50.12	1.50 H	263	35.75	-98.87
3	2167.50	-64.10	-13.00	-51.10	1.50 H	53	31.77	-95.87
4	2528.75	-64.04	-13.00	-51.04	2.00 H	57	32.14	-96.18

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1445.00	-64.42	-13.00	-51.42	1.50 V	188	34.60	-99.02
2	1806.25	-63.85	-13.00	-50.85	1.50 V	279	35.02	-98.87
3	2167.50	-62.38	-13.00	-49.38	1.50 V	129	33.49	-95.87
4	2528.75	-62.59	-13.00	-49.59	1.50 V	49	33.59	-96.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

Test Frequency	Ch 145100 (725.5 MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1451.00	-63.70	-13.00	-50.70	1.50 H	63	35.34	-99.04
2	1813.75	-63.76	-13.00	-50.76	1.50 H	287	35.09	-98.85
3	2176.50	-63.10	-13.00	-50.10	1.50 H	227	32.70	-95.80
4	2539.25	-63.01	-13.00	-50.01	2.00 H	15	33.16	-96.17

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1451.00	-63.37	-13.00	-50.37	1.50 V	147	35.67	-99.04
2	1813.75	-62.16	-13.00	-49.16	1.50 V	33	36.69	-98.85
3	2176.50	-62.57	-13.00	-49.57	1.50 V	78	33.23	-95.80
4	2539.25	-64.03	-13.00	-51.03	1.50 V	149	32.14	-96.17

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

10MHz

Test Frequency	Ch 144400 (722 MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1444.00	-64.17	-13.00	-51.17	1.50 H	17	34.86	-99.03
2	1805.00	-63.57	-13.00	-50.57	2.00 H	241	35.30	-98.87
3	2166.00	-62.51	-13.00	-49.51	1.50 H	234	33.38	-95.89
4	2527.00	-62.95	-13.00	-49.95	1.50 H	71	33.24	-96.19

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1444.00	-62.95	-13.00	-49.95	1.50 V	138	36.08	-99.03
2	1805.00	-61.66	-13.00	-48.66	1.50 V	274	37.21	-98.87
3	2166.00	-62.59	-13.00	-49.59	1.50 V	79	33.30	-95.89
4	2527.00	-63.97	-13.00	-50.97	1.50 V	77	32.22	-96.19

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

Test Frequency	Ch 144500 (722.5 MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1445.00	-64.39	-13.00	-51.39	1.50 H	124	34.63	-99.02
2	1806.25	-61.03	-13.00	-48.03	2.00 H	251	37.84	-98.87
3	2167.50	-62.96	-13.00	-49.96	1.50 H	47	32.91	-95.87
4	2528.75	-64.56	-13.00	-51.56	1.50 H	18	31.62	-96.18

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1445.00	-63.31	-13.00	-50.31	1.50 V	124	35.71	-99.02
2	1806.25	-63.44	-13.00	-50.44	1.50 V	347	35.43	-98.87
3	2167.50	-63.74	-13.00	-50.74	1.50 V	293	32.13	-95.87
4	2528.75	-63.11	-13.00	-50.11	1.50 V	187	33.07	-96.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

Test Frequency	Ch 144600 (723MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1446.00	-63.12	-13.00	-50.12	1.50 H	254	35.90	-99.02
2	1807.50	-63.53	-13.00	-50.53	2.00 H	231	35.34	-98.87
3	2169.00	-63.61	-13.00	-50.61	1.50 H	303	32.24	-95.85
4	2530.50	-63.86	-13.00	-50.86	1.50 H	47	32.33	-96.19

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1446.00	-64.65	-13.00	-51.65	1.50 V	121	34.37	-99.02
2	1807.50	-64.17	-13.00	-51.17	1.50 V	288	34.70	-98.87
3	2169.00	-62.11	-13.00	-49.11	1.50 V	126	33.74	-95.85
4	2530.50	-62.96	-13.00	-49.96	1.50 V	72	33.23	-96.19

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

CA-NC Non-Contiguous

5MHz+5MHz

Test Frequency	Ch 143900 (719.5MHz)+ Ch 145100 (725.5MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1445.00	-63.95	-13.00	-50.95	1.50 H	120	35.07	-99.02
2	1806.25	-62.88	-13.00	-49.88	2.00 H	274	35.99	-98.87
3	2167.50	-63.22	-13.00	-50.22	1.50 H	269	32.65	-95.87
4	2528.75	-63.12	-13.00	-50.12	1.50 H	141	33.06	-96.18

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1445.00	-62.95	-13.00	-49.95	1.50 V	247	36.07	-99.02
2	1806.25	-61.72	-13.00	-48.72	1.50 V	354	37.15	-98.87
3	2167.50	-63.17	-13.00	-50.17	1.50 V	289	32.70	-95.87
4	2528.75	-63.92	-13.00	-50.92	1.50 V	79	32.26	-96.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

**Band n71
Single Carrier**

Below 1GHz

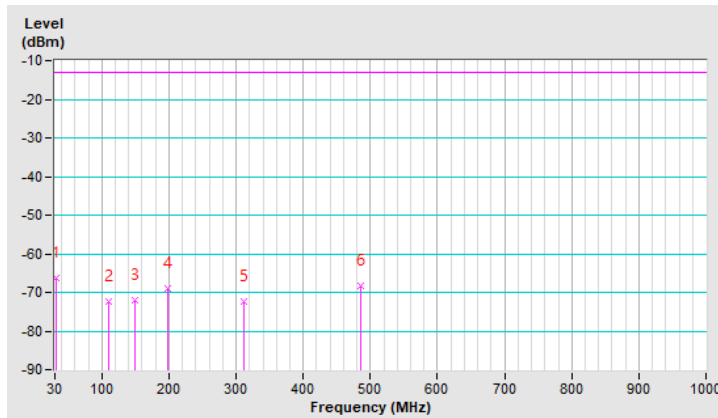
5MHz

Test Frequency	Ch 123900 (619.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.98	-66.43	-13.00	-53.43	2.00 H	28	38.29	-104.72
2	109.89	-72.51	-13.00	-59.51	1.50 H	68	33.77	-106.28
3	149.63	-71.88	-13.00	-58.88	2.00 H	205	31.42	-103.30
4	197.71	-68.96	-13.00	-55.96	1.50 H	34	37.45	-106.41
5	310.75	-72.23	-13.00	-59.23	1.50 H	295	30.26	-102.49
6	486.10	-68.16	-13.00	-55.16	1.50 H	133	30.24	-98.40

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

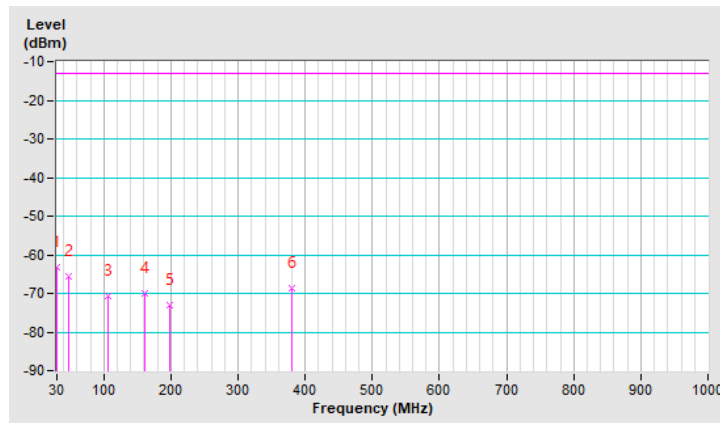


Test Frequency	Ch 123900 (619.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.65	-63.26	-13.00	-50.26	1.00 V	57	41.34	-104.60
2	48.51	-65.61	-13.00	-52.61	1.00 V	141	37.83	-103.44
3	107.07	-70.72	-13.00	-57.72	1.50 V	302	35.88	-106.60
4	161.22	-70.03	-13.00	-57.03	1.00 V	57	33.59	-103.62
5	198.24	-73.20	-13.00	-60.20	1.00 V	252	33.23	-106.43
6	379.81	-68.71	-13.00	-55.71	1.00 V	297	32.47	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

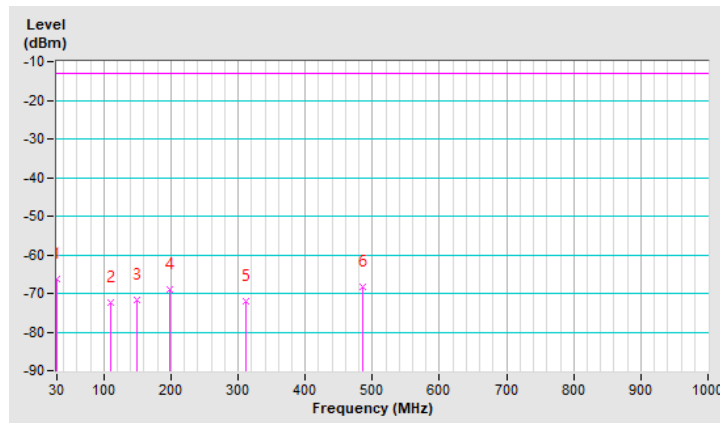


Test Frequency	Ch 126900 (634.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.92	-66.34	-13.00	-53.34	2.00 H	36	38.36	-104.70
2	109.81	-72.45	-13.00	-59.45	1.50 H	53	33.83	-106.28
3	149.55	-71.78	-13.00	-58.78	2.00 H	234	31.53	-103.31
4	197.64	-68.89	-13.00	-55.89	1.50 H	27	37.52	-106.41
5	310.69	-72.16	-13.00	-59.16	1.50 H	311	30.33	-102.49
6	486.15	-68.22	-13.00	-55.22	1.50 H	142	30.18	-98.40

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

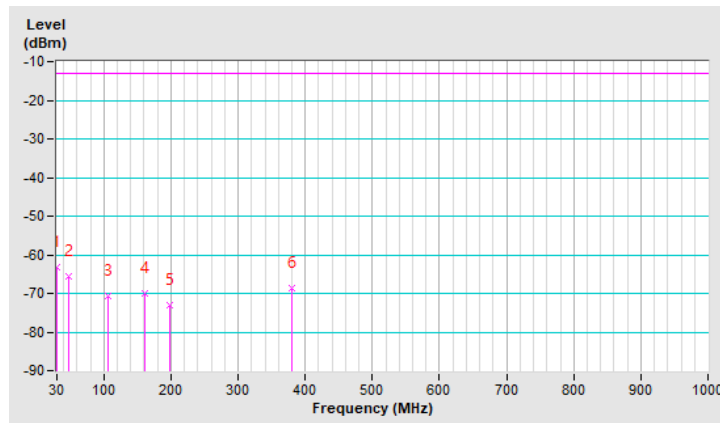


Test Frequency	Ch 126900 (634.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.69	-63.20	-13.00	-50.20	1.00 V	47	41.42	-104.62
2	48.57	-65.57	-13.00	-52.57	1.00 V	149	37.87	-103.44
3	107.12	-70.67	-13.00	-57.67	1.50 V	317	35.92	-106.59
4	161.27	-69.95	-13.00	-56.95	1.00 V	49	33.68	-103.63
5	198.30	-73.13	-13.00	-60.13	1.00 V	268	33.31	-106.44
6	379.86	-68.66	-13.00	-55.66	1.00 V	305	32.52	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

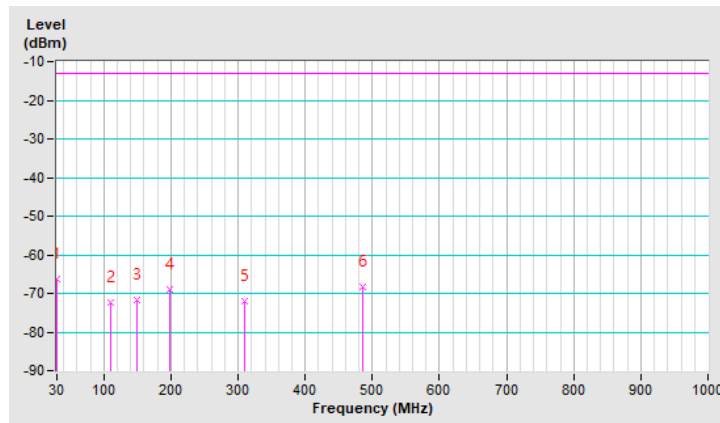


Test Frequency	Ch 129900 (649.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.86	-66.26	-13.00	-53.26	2.00 H	17	38.42	-104.68
2	109.75	-72.38	-13.00	-59.38	1.50 H	66	33.91	-106.29
3	149.48	-71.72	-13.00	-58.72	2.00 H	235	31.60	-103.32
4	197.57	-68.96	-13.00	-55.96	1.50 H	48	37.45	-106.41
5	310.62	-72.08	-13.00	-59.08	1.50 H	326	30.41	-102.49
6	486.22	-68.28	-13.00	-55.28	1.50 H	129	30.12	-98.40

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

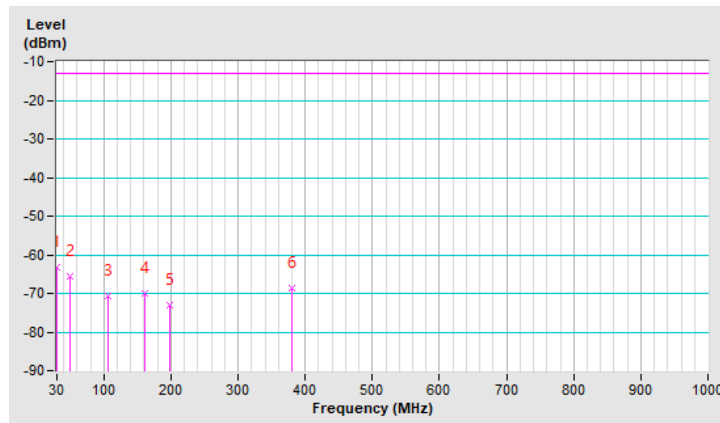


Test Frequency	Ch 129900 (649.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.74	-63.14	-13.00	-50.14	1.00 V	58	41.50	-104.64
2	48.62	-65.52	-13.00	-52.52	1.00 V	133	37.93	-103.45
3	107.16	-70.59	-13.00	-57.59	1.50 V	342	35.99	-106.58
4	161.33	-69.89	-13.00	-56.89	1.00 V	34	33.74	-103.63
5	198.36	-73.06	-13.00	-60.06	1.00 V	277	33.38	-106.44
6	379.91	-68.61	-13.00	-55.61	1.00 V	324	32.57	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$



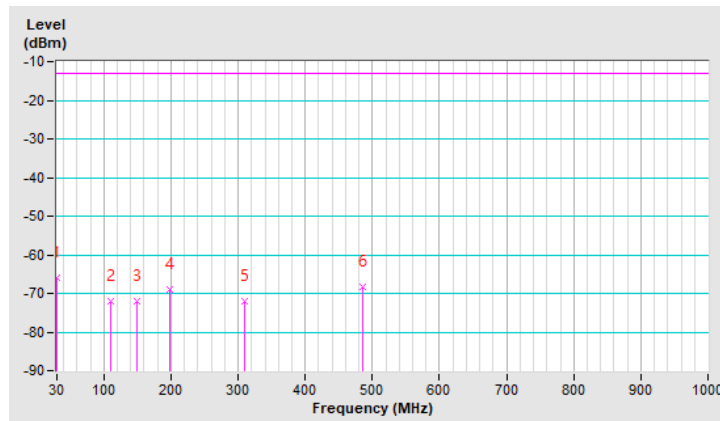
20MHz

Test Frequency	Ch 125400 (627MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.72	-66.03	-13.00	-53.03	2.00 H	55	38.60	-104.63
2	109.65	-72.10	-13.00	-59.10	1.50 H	34	34.19	-106.29
3	149.44	-72.02	-13.00	-59.02	2.00 H	265	31.30	-103.32
4	197.43	-69.02	-13.00	-56.02	1.50 H	126	37.39	-106.41
5	310.58	-72.16	-13.00	-59.16	1.50 H	289	30.33	-102.49
6	486.29	-68.47	-13.00	-55.47	1.50 H	134	29.93	-98.40

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

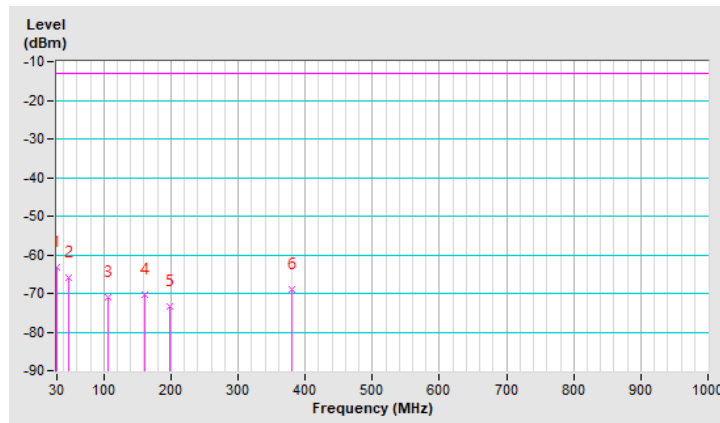


Test Frequency	Ch 125400 (627MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.91	-63.09	-13.00	-50.09	1.00 V	103	41.61	-104.70
2	48.34	-65.79	-13.00	-52.79	1.00 V	143	37.63	-103.42
3	106.86	-70.88	-13.00	-57.88	1.50 V	338	35.76	-106.64
4	160.95	-70.18	-13.00	-57.18	1.00 V	78	33.42	-103.60
5	198.07	-73.38	-13.00	-60.38	1.00 V	206	33.04	-106.42
6	379.61	-68.91	-13.00	-55.91	1.00 V	314	32.27	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

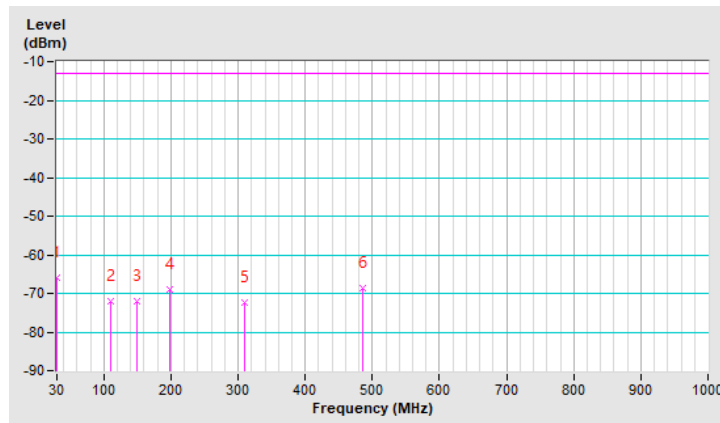


Test Frequency	Ch 126900 (634.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.67	-66.09	-13.00	-53.09	2.00 H	64	38.52	-104.61
2	109.58	-72.16	-13.00	-59.16	1.50 H	29	34.14	-106.30
3	149.38	-72.08	-13.00	-59.08	2.00 H	282	31.25	-103.33
4	197.37	-69.09	-13.00	-56.09	1.50 H	114	37.32	-106.41
5	310.52	-72.24	-13.00	-59.24	1.50 H	303	30.26	-102.50
6	486.22	-68.53	-13.00	-55.53	1.50 H	98	29.87	-98.40

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

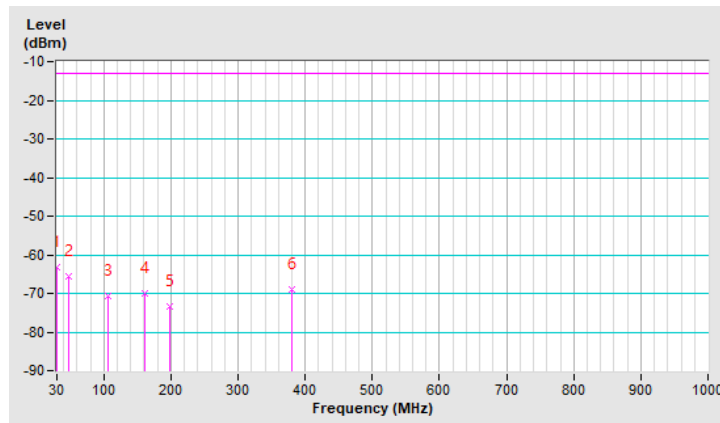


Test Frequency	Ch 126900 (634.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.87	-63.17	-13.00	-50.17	1.00 V	89	41.51	-104.68
2	48.40	-65.71	-13.00	-52.71	1.00 V	152	37.71	-103.42
3	106.91	-70.80	-13.00	-57.80	1.50 V	349	35.83	-106.63
4	161.01	-70.12	-13.00	-57.12	1.00 V	83	33.49	-103.61
5	198.13	-73.32	-13.00	-60.32	1.00 V	211	33.11	-106.43
6	379.67	-68.86	-13.00	-55.86	1.00 V	322	32.32	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

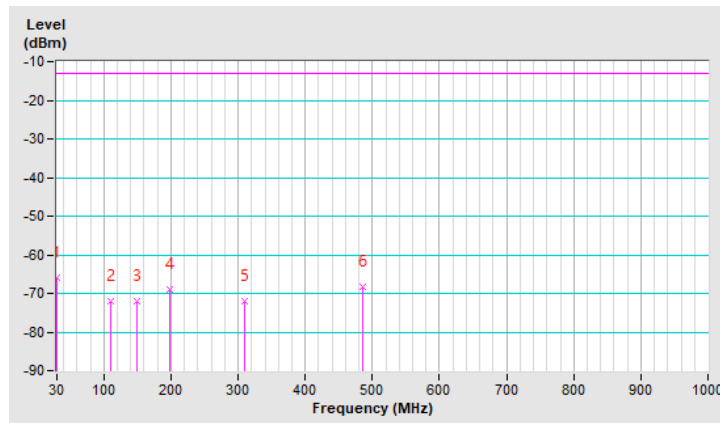


Test Frequency	Ch 129900 (642 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.74	-65.98	-13.00	-52.98	2.00 H	77	38.66	-104.64
2	109.66	-72.07	-13.00	-59.07	1.50 H	35	34.22	-106.29
3	149.46	-71.99	-13.00	-58.99	2.00 H	267	31.33	-103.32
4	197.45	-69.01	-13.00	-56.01	1.50 H	132	37.40	-106.41
5	310.62	-72.18	-13.00	-59.18	1.50 H	296	30.31	-102.49
6	486.32	-68.45	-13.00	-55.45	1.50 H	111	29.95	-98.40

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

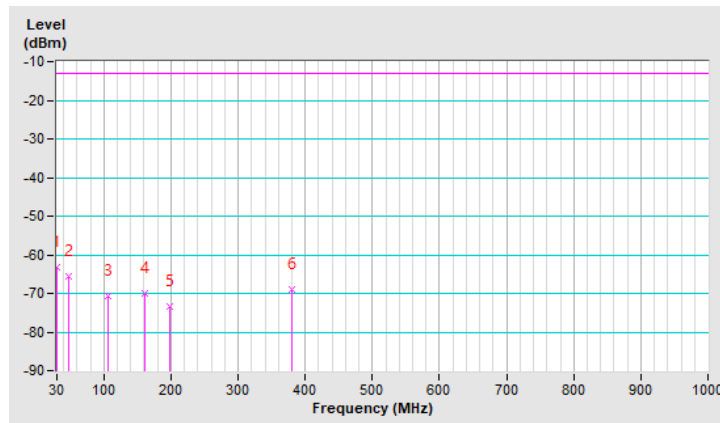


Test Frequency	Ch 129900 (642 MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.92	-63.23	-13.00	-50.23	1.00 V	133	41.47	-104.70
2	48.46	-65.67	-13.00	-52.67	1.00 V	123	37.76	-103.43
3	106.97	-70.74	-13.00	-57.74	1.50 V	357	35.88	-106.62
4	161.07	-70.04	-13.00	-57.04	1.00 V	75	33.57	-103.61
5	198.18	-73.26	-13.00	-60.26	1.00 V	206	33.17	-106.43
6	379.74	-68.82	-13.00	-55.82	1.00 V	298	32.36	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$



CA Contiguous

15MHz+20MHz

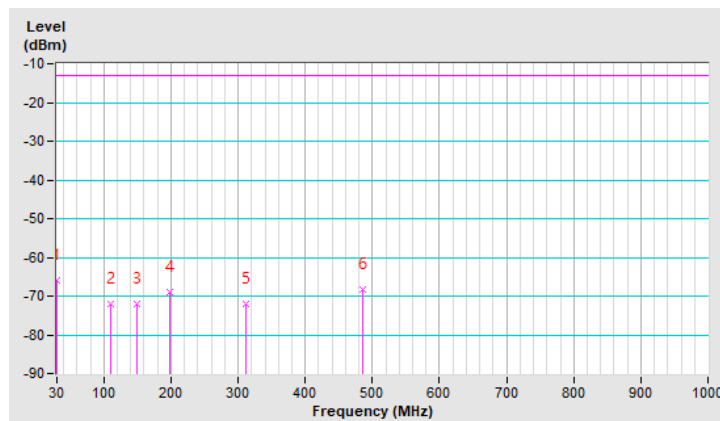
Test Frequency	Ch 124900 (624.5MHz)+ Ch 128400 (642.0MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.81	-65.89	-13.00	-52.89	2.00 H	92	38.77	-104.66
2	109.73	-71.99	-13.00	-58.99	1.50 H	51	34.30	-106.29
3	149.54	-71.92	-13.00	-58.92	2.00 H	242	31.39	-103.31
4	197.52	-68.93	-13.00	-55.93	1.50 H	163	37.48	-106.41
5	310.71	-72.11	-13.00	-59.11	1.50 H	342	30.38	-102.49
6	486.41	-68.38	-13.00	-55.38	1.50 H	125	30.02	-98.40

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

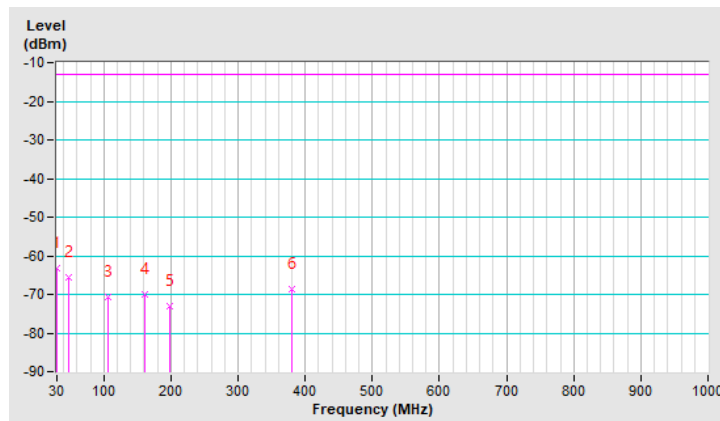


Test Frequency	Ch 124900 (624.5MHz)+ Ch 128400 (642.0MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.84	-63.17	-13.00	-50.17	1.00 V	142	41.50	-104.67
2	48.52	-65.61	-13.00	-52.61	1.00 V	134	37.83	-103.44
3	107.01	-70.68	-13.00	-57.68	1.50 V	320	35.93	-106.61
4	161.11	-69.99	-13.00	-56.99	1.00 V	29	33.63	-103.62
5	198.24	-73.19	-13.00	-60.19	1.00 V	228	33.24	-106.43
6	379.79	-68.77	-13.00	-55.77	1.00 V	306	32.41	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$



CA-NC Non-Contiguous

5MHz+5MHz

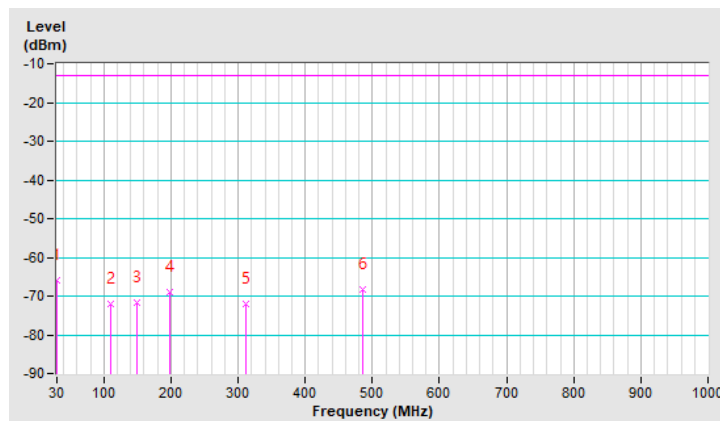
Test Frequency	Ch 123900 (619.5MHz)+ Ch 129900 (649.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.73	-65.95	-13.00	-52.95	2.00 H	76	38.68	-104.63
2	109.79	-71.91	-13.00	-58.91	1.50 H	43	34.37	-106.28
3	149.62	-71.86	-13.00	-58.86	2.00 H	253	31.44	-103.30
4	197.59	-68.87	-13.00	-55.87	1.50 H	152	37.54	-106.41
5	310.82	-72.03	-13.00	-59.03	1.50 H	323	30.45	-102.48
6	486.49	-68.30	-13.00	-55.30	1.50 H	139	30.09	-98.39

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

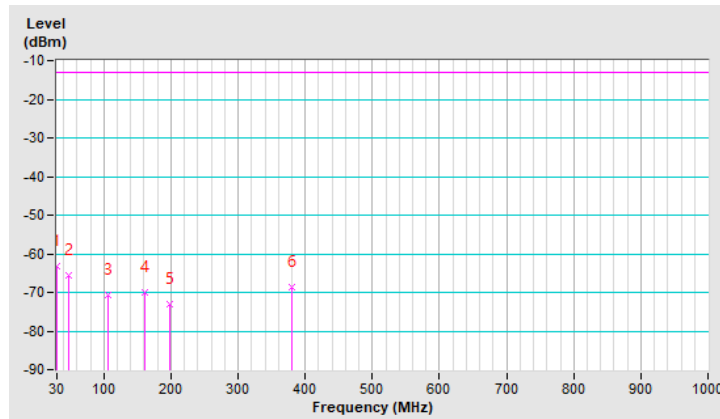


Test Frequency	Ch 123900 (619.5MHz)+ Ch 129900 (649.5MHz)	Frequency Range	Below 1000 MHz
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.77	-63.11	-13.00	-50.11	1.00 V	157	41.54	-104.65
2	48.45	-65.55	-13.00	-52.55	1.00 V	126	37.88	-103.43
3	106.96	-70.63	-13.00	-57.63	1.50 V	296	35.99	-106.62
4	161.04	-69.92	-13.00	-56.92	1.00 V	31	33.69	-103.61
5	198.20	-73.14	-13.00	-60.14	1.00 V	245	33.29	-106.43
6	379.73	-68.72	-13.00	-55.72	1.00 V	334	32.46	-101.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$



Above 1GHz
Single Carrier
5MHz

Test Frequency	Ch 123900 (619.5MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1239.00	-64.92	-13.00	-51.92	2.00 H	124	34.70	-99.62
2	1548.75	-60.81	-13.00	-47.81	1.50 H	257	38.51	-99.32
3	1858.50	-62.58	-13.00	-49.58	1.50 H	267	36.11	-98.69
4	2168.25	-63.93	-13.00	-50.93	1.50 H	227	31.93	-95.86
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1239.00	-63.18	-13.00	-50.18	1.50 V	102	36.44	-99.62
2	1548.75	-63.46	-13.00	-50.46	1.50 V	224	35.86	-99.32
3	1858.50	-63.65	-13.00	-50.65	1.50 V	264	35.04	-98.69
4	2168.25	-62.88	-13.00	-49.88	1.50 V	47	32.98	-95.86

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

Test Frequency	Ch 126900 (634.5MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1269.00	-62.88	-13.00	-49.88	1.50 H	247	36.54	-99.42
2	1586.25	-63.32	-13.00	-50.32	2.00 H	316	36.06	-99.38
3	1903.50	-63.81	-13.00	-50.81	1.50 H	274	34.51	-98.32
4	2220.75	-64.01	-13.00	-51.01	1.50 H	89	31.53	-95.54

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1269.00	-64.35	-13.00	-51.35	1.50 V	12	35.07	-99.42
2	1586.25	-64.16	-13.00	-51.16	1.50 V	257	35.22	-99.38
3	1903.50	-61.89	-13.00	-48.89	1.50 V	296	36.43	-98.32
4	2220.75	-62.88	-13.00	-49.88	1.50 V	78	32.66	-95.54

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

Test Frequency	Ch 129900 (649.5MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1299.00	-63.77	-13.00	-50.77	1.50 H	266	35.56	-99.33
2	1623.75	-62.85	-13.00	-49.85	1.50 H	338	36.50	-99.35
3	1948.50	-62.84	-13.00	-49.84	1.50 H	201	35.41	-98.25
4	2273.25	-63.72	-13.00	-50.72	2.00 H	47	31.98	-95.70

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1299.00	-62.54	-13.00	-49.54	1.50 V	129	36.79	-99.33
2	1623.75	-62.29	-13.00	-49.29	1.50 V	99	37.06	-99.35
3	1948.50	-62.75	-13.00	-49.75	1.50 V	263	35.50	-98.25
4	2273.25	-63.75	-13.00	-50.75	1.50 V	313	31.95	-95.70

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

20MHz

Test Frequency	Ch 125400 (627MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1254.00	-64.39	-13.00	-51.39	1.50 H	114	35.07	-99.46
2	1567.50	-61.35	-13.00	-48.35	1.50 H	79	38.00	-99.35
3	1881.00	-63.51	-13.00	-50.51	1.50 H	246	34.97	-98.48
4	2194.50	-63.87	-13.00	-50.87	2.00 H	49	31.76	-95.63

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1254.00	-62.62	-13.00	-49.62	1.50 V	133	36.84	-99.46
2	1567.50	-63.40	-13.00	-50.40	1.50 V	282	35.95	-99.35
3	1881.00	-64.06	-13.00	-51.06	1.50 V	79	34.42	-98.48
4	2194.50	-62.87	-13.00	-49.87	1.50 V	296	32.76	-95.63

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

Test Frequency	Ch 126900 (634.5MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1269.00	-64.61	-13.00	-51.61	1.50 H	77	34.81	-99.42
2	1586.25	-61.76	-13.00	-48.76	1.50 H	68	37.62	-99.38
3	1903.50	-62.73	-13.00	-49.73	1.50 H	35	35.59	-98.32
4	2220.75	-63.62	-13.00	-50.62	2.00 H	114	31.92	-95.54

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	1269.00	-63.22	-13.00	-50.22	1.50 V	189	36.20	-99.42
2	1586.25	-63.34	-13.00	-50.34	1.50 V	144	36.04	-99.38
3	1903.50	-63.27	-13.00	-50.27	1.50 V	61	35.05	-98.32
4	2220.75	-62.24	-13.00	-49.24	1.50 V	201	33.30	-95.54

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

Test Frequency	Ch 129900 (642 MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1284.00	-64.87	-13.00	-51.87	1.50 H	233	34.51	-99.38
2	1605.00	-61.13	-13.00	-48.13	1.50 H	335	38.26	-99.39
3	1926.00	-62.92	-13.00	-49.92	2.00 H	297	35.36	-98.28
4	2247.00	-64.29	-13.00	-51.29	1.50 H	68	31.19	-95.48

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1284.00	-64.12	-13.00	-51.12	1.50 V	13	35.26	-99.38
2	1605.00	-63.27	-13.00	-50.27	1.50 V	187	36.12	-99.39
3	1926.00	-63.05	-13.00	-50.05	1.50 V	264	35.23	-98.28
4	2247.00	-62.14	-13.00	-49.14	1.50 V	142	33.34	-95.48

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$

CA Contiguous

15MHz+20MHz

Test Frequency	Ch 124900 (624.5MHz)+ Ch 128400 (642.0MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1266.50	-64.62	-13.00	-51.62	1.50 H	277	34.81	-99.43
2	1583.12	-61.67	-13.00	-48.67	2.00 H	69	37.71	-99.38
3	1899.75	-63.05	-13.00	-50.05	1.50 H	293	35.27	-98.32
4	2216.37	-63.75	-13.00	-50.75	1.50 H	42	31.79	-95.54

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1266.50	-62.75	-13.00	-49.75	1.50 V	157	36.68	-99.43
2	1583.12	-63.38	-13.00	-50.38	1.50 V	223	36.00	-99.38
3	1899.75	-63.37	-13.00	-50.37	1.50 V	59	34.95	-98.32
4	2216.37	-62.83	-13.00	-49.83	1.50 V	77	32.71	-95.54

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

CA-NC Non-Contiguous

5MHz+5MHz

Test Frequency	Ch 123900 (619.5MHz)+ Ch 129900 (649.5MHz)	Frequency Range	1 GHz ~ 10 GHz
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Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1269.00	-64.02	-13.00	-51.02	1.50 H	121	35.40	-99.42
2	1586.25	-61.88	-13.00	-48.88	2.00 H	68	37.50	-99.38
3	1903.50	-62.57	-13.00	-49.57	1.50 H	306	35.75	-98.32
4	2220.75	-63.44	-13.00	-50.44	1.50 H	73	32.10	-95.54

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1269.00	-62.41	-13.00	-49.41	1.50 V	104	37.01	-99.42
2	1586.25	-63.21	-13.00	-50.21	1.50 V	68	36.17	-99.38
3	1903.50	-62.91	-13.00	-49.91	1.50 V	277	35.41	-98.32
4	2220.75	-62.34	-13.00	-49.34	1.50 V	344	33.20	-95.54

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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